US Army Corps of Engineers ®
ENGINEERING AND SUPPORT CENTER
HUNTSVILLE, AL

CHILD DEVELOPMENT CENTER (CDC)
STANDARD DESIGN, SMALL
0 - 5 YEARS OLD

CENTER OF STANDARDIZATION

CATEGORY CODE: 74017

CONTRACT NUMBER : N/A

SOLICITATION NUMBER : N/A

PUBLISHED: SEPTEMBER 2021

US Army Corps of Engineers ®
HUNTSVILLE CENTER

MARK	DESCRIPTION	DATE	APPR

U.S. ARMY CORPS OF ENGINEERS
ENGINEERING AND SUPPORT CENTER
475 QUALITY CIRCLE
HUNTSVILLE, AL 35806

DESIGN BY: Designer
DRAWN BY: Author
SBMT BY: Approver
PLOT SCALE: SIZE: D 22" x 34"
CKD BY: Checker
PLOT DATE: 9/28/2021 9:56:46 AM
FILE NAME:
DATE: SEPTEMBER 2021
SOLICITATION NO.: N/A
CONTRACT NO.: N/A
CATEGORY CODE:

CHILD DEVELOPMENT CENTER (CDC)
STANDARD DESIGN, SMALL
0 - 5 YEARS OLD

COVER SHEET

PLATE REFERENCE NUMBER
A-000
SHEET OF 120

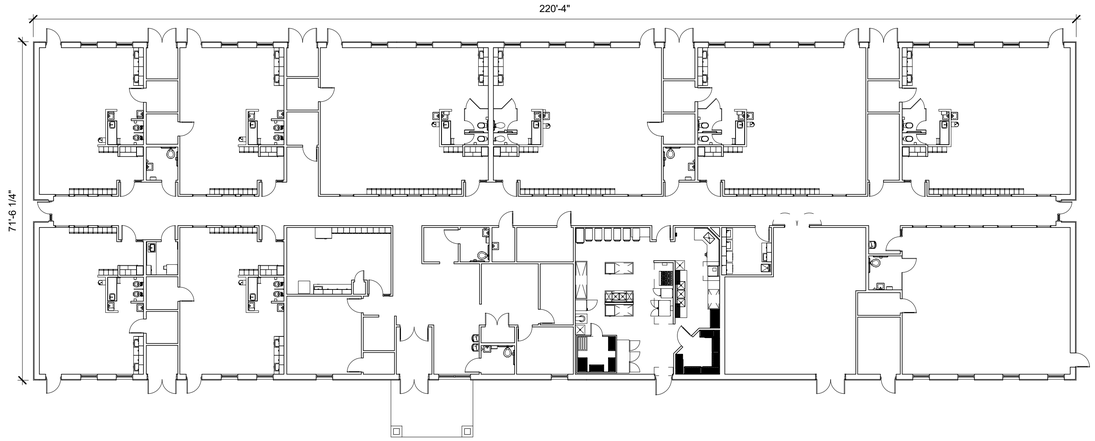
GENERAL NOTES:

- **REFERENCE THE ARMY STANDARD FOR CHILD DEVELOPMENT CENTERS (CDC) DATED MARCH 2008 FOR MANDATORY DESIGN INFORMATION.**
- **REFERENCE STANDARD DESIGN CRITERIA FOR CDC, ROOM BY ROOM DESCRIPTIONS FOR ADDITIONAL DESIGN INFORMATION.**

ENERGY CONSERVATION NOTES:

1. BUILDING THERMAL ENVELOPE SHALL MEET MINIMUM REQUIREMENT BASED ON THE CLIMATE ZONE.
2. RECOMMENDED MINIMUM THERMAL RESISTANCE (R-VALUE) FOR EXTERIOR WALLS IN CDC 0-5 ZONE 1, 2 USE R-18 OR BETTER; FOR ZONE 3-6 USE R-VALUE 20.5 OR BETTER; ZONE 7 R-20.5-28.6; ZONE 8 R-20.5-30.5.
3. A CONTINUOUS AIR BARRIER SHALL BE PROVIDED THROUGHOUT THE BUILDING THERMAL ENVELOPE.
4. THE AIR BARRIER SHALL BE PERMITTED TO BE LOCATED ON THE INSIDE OR OUTSIDE OF THE BUILDING ENVELOPE.
5. AIR BARRIERS ARE NOT REQUIRED IN BUILDINGS LOCATED IN CLIMATE ZONES 1, 2, AND 3.
6. THE AIR BARRIER SHALL BE CONTINUOUS FOR ASSEMBLIES THAT ARE THE THERMAL ENVELOPE OF THE BUILDING AND ACROSS THE JOINTS AND ASSEMBLIES.
7. AIR BARRIER JOINTS AND SEAMS SHALL BE SEALED, INCLUDING SEALING TRANSITIONS IN PLACES AND CHANGES IN MATERIALS.
8. BREAKS OR JOINTS IN THE AIR BARRIER SHALL BE SEALED.
9. SOLAR HOT WATER AND SOLAR COLLECTORS SHALL BE INCORPORATED AS AN OPTION TO THE DESIGN.

CDC 0-5 SMALL BIM DESIGN			
DESCRIPTION	TOTAL GROSS AREA (FT2)	HALF AREA	ADJUSTED GROSS AREA (FT2)
EXTERIOR ALCOVE-EAST	14	Y	7
EXTERIOR ALCOVE-WEST	14	Y	7
CANOPY	208	Y	104
FIRST FLOOR	15,732	N	15,732
OVERALL FACILITY SQUARE FOOTAGE SHOWN			15,850
STANDARD DESIGN MAXIMUM			15,850
DIFFERENCE			0



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

N
PLAN NORTH

16 12 8 4 0 16 32
SCALE: 1/16"=1'-0"

US Army Corps of Engineers ®
HUNTSVILLE CENTER

SYMBOL	DESCRIPTION	DATE	BY

U.S. ARMY CORPS OF ENGINEERS
ENGINEERING AND SUPPORT CENTER
475 QUALITY CIRCLE
HUNTSVILLE, AL 35806

DESIGN BY: MLS
DRAWN BY: EBS
CKD BY: MLS
SBMT BY:
PLOT SCALE AS NOTED
SIZE: D 22" x 34"
PLOT DATE: 9/28/2021 9:56:55 AM
FILE NAME:

DATE: SEPTEMBER 2021
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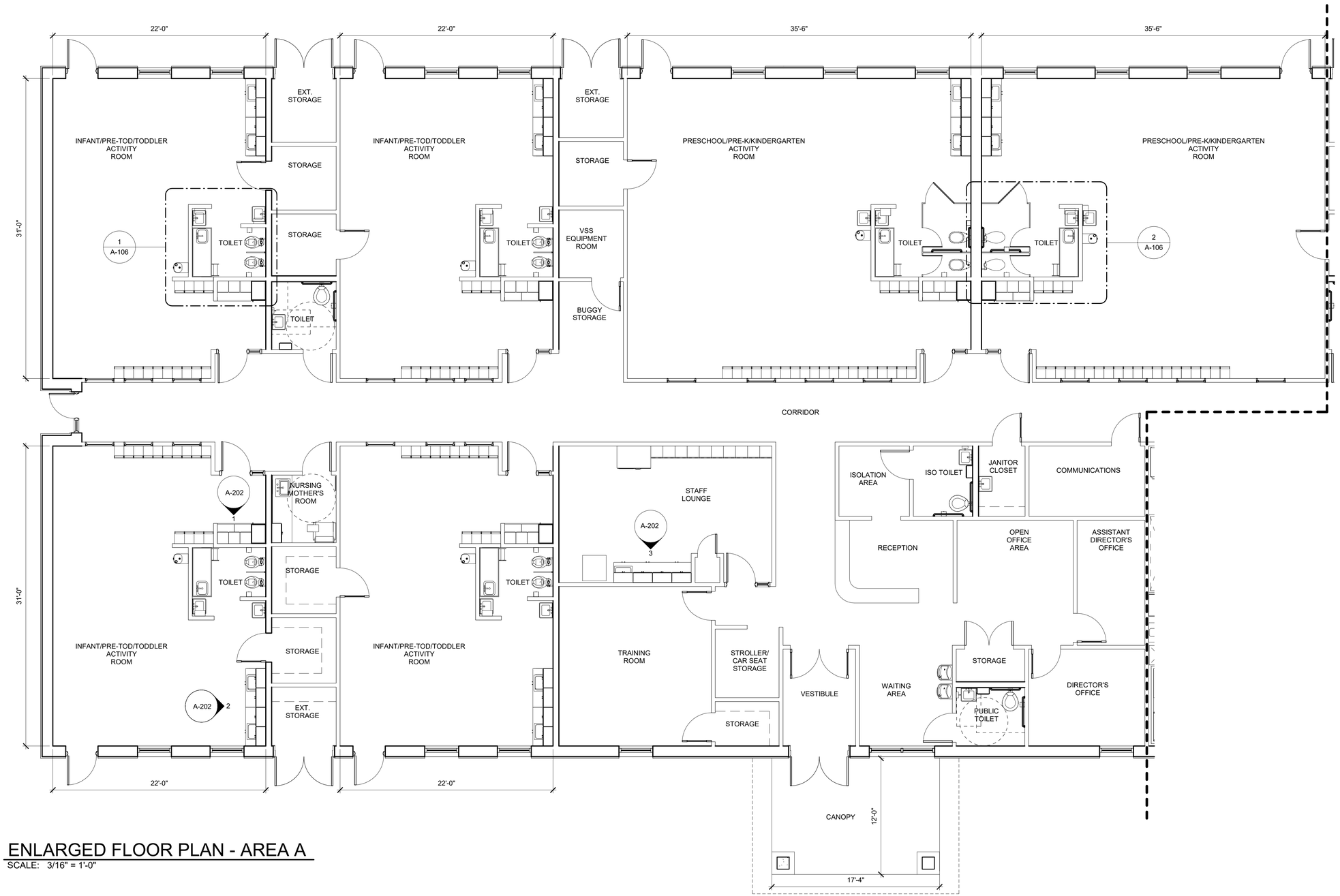
CATEGORY CODE:

CHILD DEVELOPMENT CENTER (CDC)
STANDARD DESIGN: SMALL
0 - 5 YEARS OLD

OVERALL FLOOR PLAN

PLATE REFERENCE NUMBER
A-101
SHEET 9 OF 120

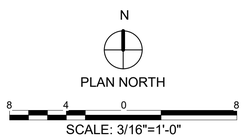


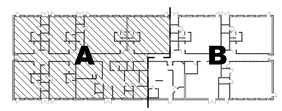
ENLARGED FLOOR PLAN - AREA A

SCALE: 3/16" = 1'-0"

GENERAL NOTES:

1. ALL INTERIOR WALL DIMENSIONS ARE FROM INSIDE OF WALL FINISH TO INSIDE OF WALL FINISH UNLESS NOTED OTHERWISE.
2. ALL ADULT/STAFF TOILET DOORS SHALL HAVE KEYED LOCK, REQUIRING A KEY TO UNLOCK THEM.
3. SHELVING CONFIGURATION TYPICAL.





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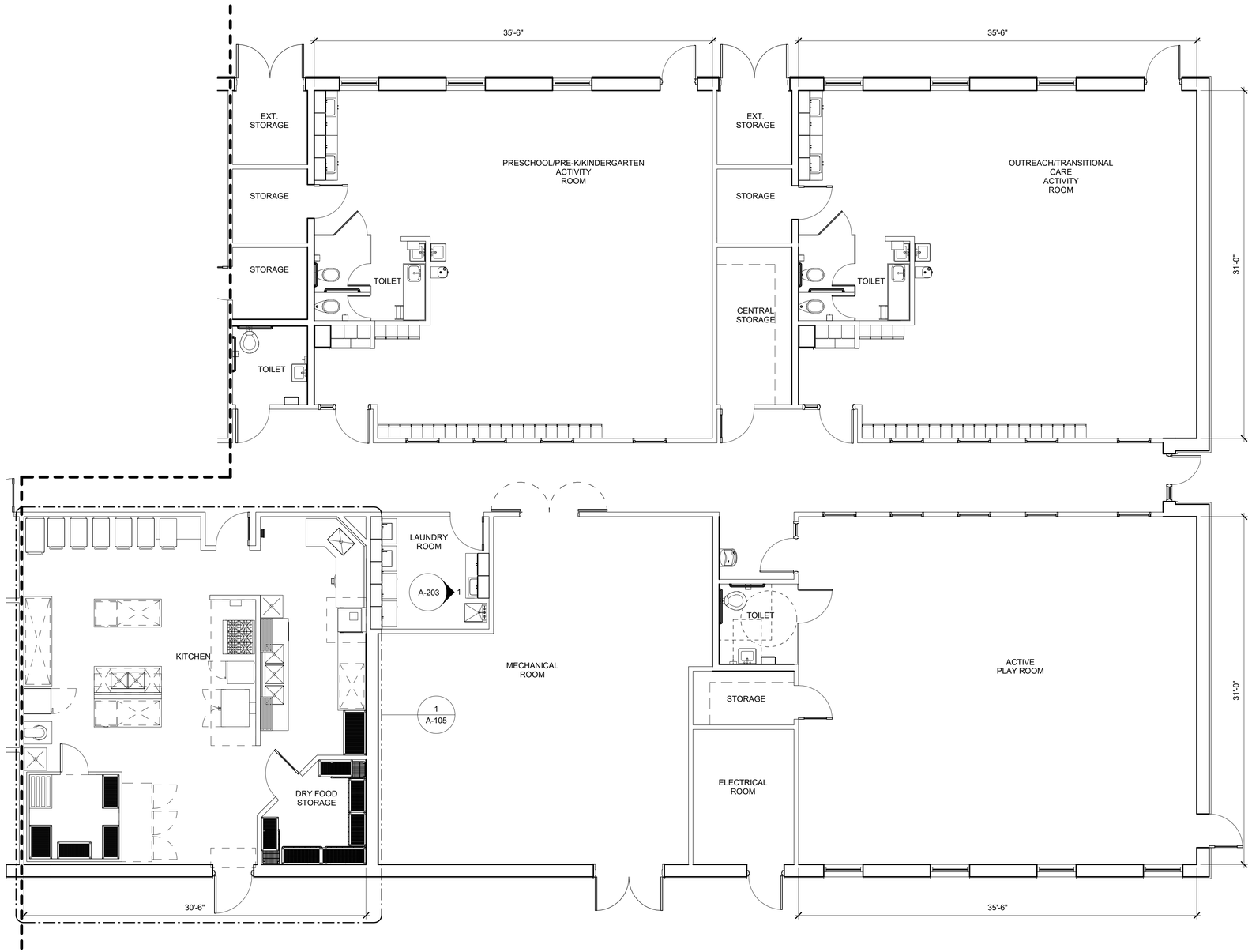
ENGINEERING AND SUPPORT CENTER
475 QUALITY CIRCLE
HUNTSVILLE, AL 35806

DESIGN BY: MLS	DATE: SEPTEMBER 2021
DRAWN BY: EBS	CKD BY: MLS
SBMT BY:	PLOT DATE: 9/28/2021 9:07:51 AM
	PLOT SCALE As Indicated
	SIZE: D 22" x 34"
	SOLICITATION NO.: N/A
	CONTRACT NO.: N/A
	CATEGORY CODE:
	FILE NAME:

CHILD DEVELOPMENT CENTER (CDC)
STANDARD DESIGN, SMALL
0 - 5 YEARS OLD

ENLARGED FLOOR PLAN - AREA A

PLATE REFERENCE NUMBER
A-103
SHEET 11 OF 120



ENLARGED FLOOR PLAN - AREA B

SCALE: 3/16" = 1'-0"

GENERAL NOTES:

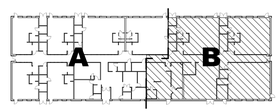
1. ALL INTERIOR WALL DIMENSIONS ARE FROM INSIDE OF WALL FINISH TO INSIDE OF WALL FINISH UNLESS NOTED OTHERWISE.
2. ALL ADULT/STAFF TOILET DOORS SHALL HAVE KEYED LOCK, REQUIRING A KEY TO UNLOCK THEM.

N

PLAN NORTH

8 4 0 8

SCALE: 3/16"=1'-0"



US Army Corps of Engineers ®
HUNTSVILLE CENTER

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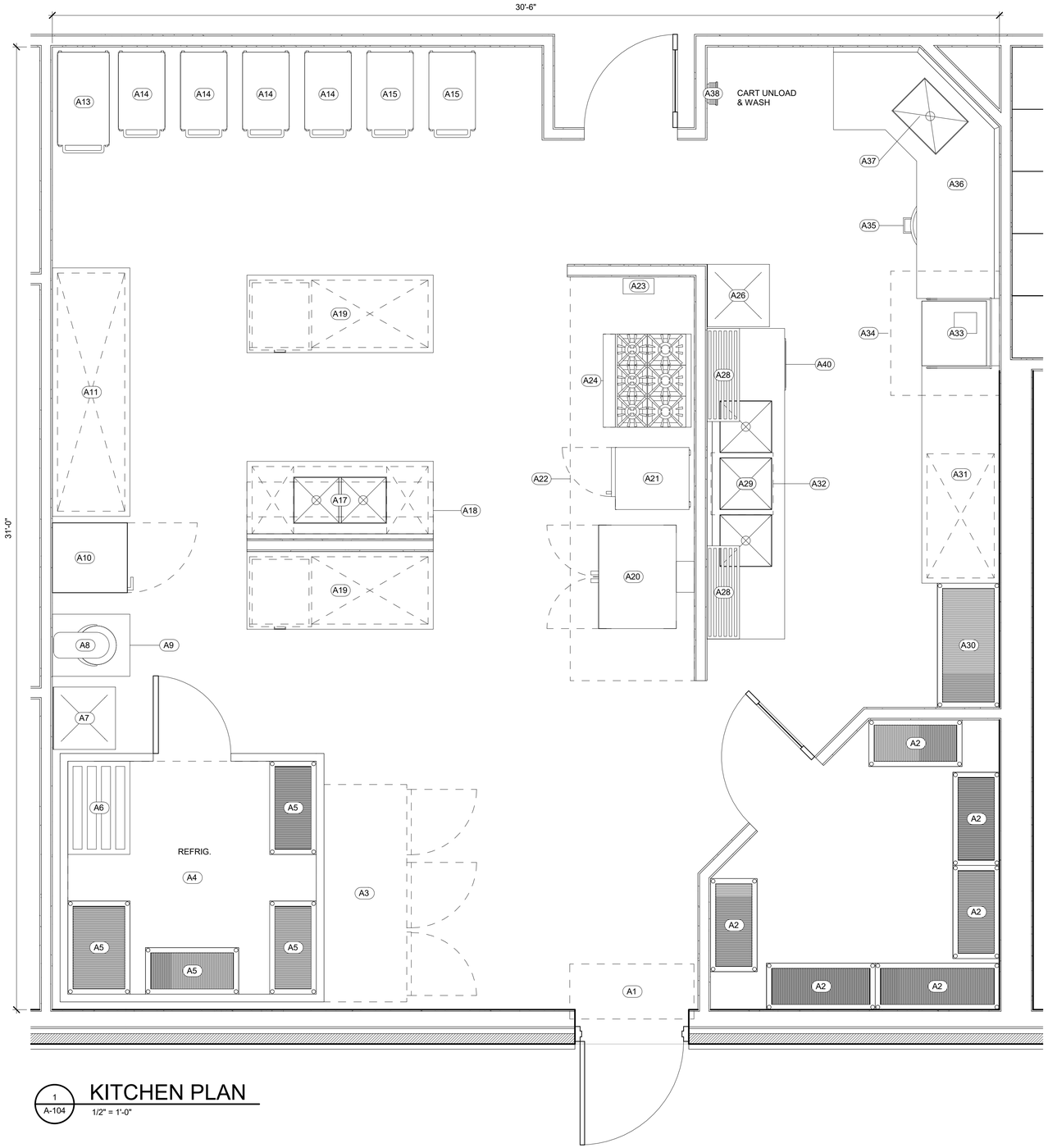
U.S. ARMY CORPS OF ENGINEERS
ENGINEERING AND SUPPORT CENTER
475 QUALITY CIRCLE
HUNTSVILLE, AL 35806

DESIGN BY: MLS
DRAWN BY: EM2
SBMT BY:
PLOT SCALE: As shown
SIZE: D 22" x 34"
DATE: SEPTEMBER 2021
SOLICITATION NO.: N/A
CKD BY: MLS
PLOT DATE: 9/28/2021 9:07:09 AM
CONTRACT NO.: N/A
CATEGORY CODE:
FILE NAME:

CHILD DEVELOPMENT CENTER (CDC)
STANDARD DESIGN, SMALL
0 - 5 YEARS OLD

ENLARGED FLOOR PLAN - AREA B

PLATE REFERENCE NUMBER
A-104
SHEET 12 OF 120



1 / A-104 KITCHEN PLAN

1/2" = 1'-0"

GENERAL NOTES:

1. ALL INTERIOR WALL DIMENSIONS ARE FROM INSIDE OF WALL FINISH TO INSIDE OF WALL FINISH UNLESS NOTED OTHERWISE.

SMALL KITCHEN EQUIPMENT LIST

Item No.	Qty.	Description	Dimensions	Notes
A1	1	Air Curtain, Unheated		CFCI
A2	4	Shelving, Chrome Wire	18" x 36"	CFCI
A2	1	Shelving, Chrome Wire	18" x 42"	CFCI
A2	1	Shelving, Chrome Wire	18" x 48"	CFCI
A3	1	Freezer, 3 Section, Reach-in		CFCI
A4	1	Walk-in Refrigerator	8'-0"W x 7'-6"D x 8'-6"H	CFCI
A5	3	Shelving, Epoxy Wire	18" x 36"	CFCI
A5	1	Shelving, Epoxy Wire	24" x 36"	CFCI
A6	1	Dunnage Rack, Single Tier Milk Crate		CFCI
A7	1	Hand Sink, Food Prep		CFCI
A8	1	Mixer, 20QT		GFGI
A9	1	Stand, Mixer		
A10	1	Refrigerator, 1 Section, Reach-in		GFGI
A11	1	Table, Work w/Under Shelf	30"W x 96"L x 36"H	CFCI
A13	1	Cart, 4 Shelf, Preschool		GFGI
A14	4	Cart, 3 Shelf, Toddler		GFGI
A15	2	Cart, 3 Shelf, Infant		GFGI
A17	1	Table, Work w/Double Sink, Under Shelf	30"W x 72"L x 36"H	CFCI
A18	1	Elevated Shelf w/Utensil Rack	22"W x 72"L x 7'-6"H	CFCI
A19	2	Table, Work w/Drawers Under Shelf	30"D x 72"L x 36"H	CFCI
A20	1	Oven, Single, Convection		CFCI
A21	1	Steamer, Electric, 1 Compartment, 3 Pan		CFCI
A22	1	Vent Hood, Type I, Face Discharge	13'-0"L x 4'-0"D x 2'-0"H	CFCI
A23	1	Fire Suppression System		CFCI
A24	1	Range, 6 Burner, STD Oven		CFCI
A26	1	Hand Sink, Ware Washing		CFCI
A28	2	Wall Shelf, SS Wire		CFCI
A29	1	Sink, 3 Compartment	10'-0"L x 2'-6"W x 2'-10"H	CFCI
A30	1	Rack, Aluminum, Pot & Pan		CFCI
A31	1	Dish Table, Clean	30"D x 84"L x 34"H	CFCI
A32	1	Booster Heater, Electric		CFCI
A33	1	Dish Machine, Tall, Single Rack		CFCI
A34	1	Condensate Hood, Type II	48"W x 42"D x 24"H	CFCI
A35	1	Undercounter Waste Barrel		GFGI
A36	1	Dish Table, Soiled, Corner	40" & 50" x 30"D x 34"H	CFCI
A37	1	Disposal, 1.5HP, Pre-rinse Spray		CFCI
A38	1	Hose Reel, Wall Mount		CFCI
A40	1	Ice Maker, Undercounter, SS		GFGI

2 1 0 2 4

SCALE: 1/2"=1'-0"

US Army Corps of Engineers ®
HUNTSVILLE CENTER

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U.S. ARMY CORPS OF ENGINEERS
ENGINEERING AND SUPPORT CENTER
475 QUALITY CIRCLE
HUNTSVILLE, AL 35806

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SBMT BY:
CKD BY: MLS
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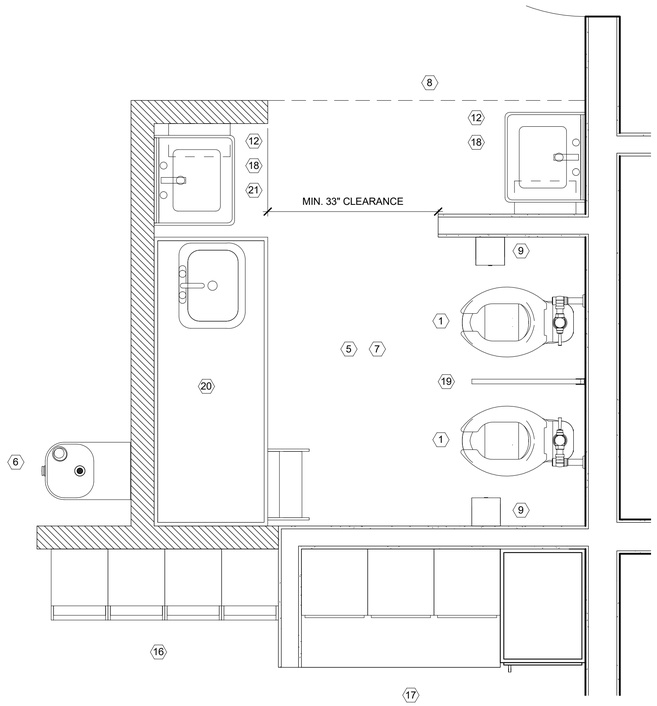
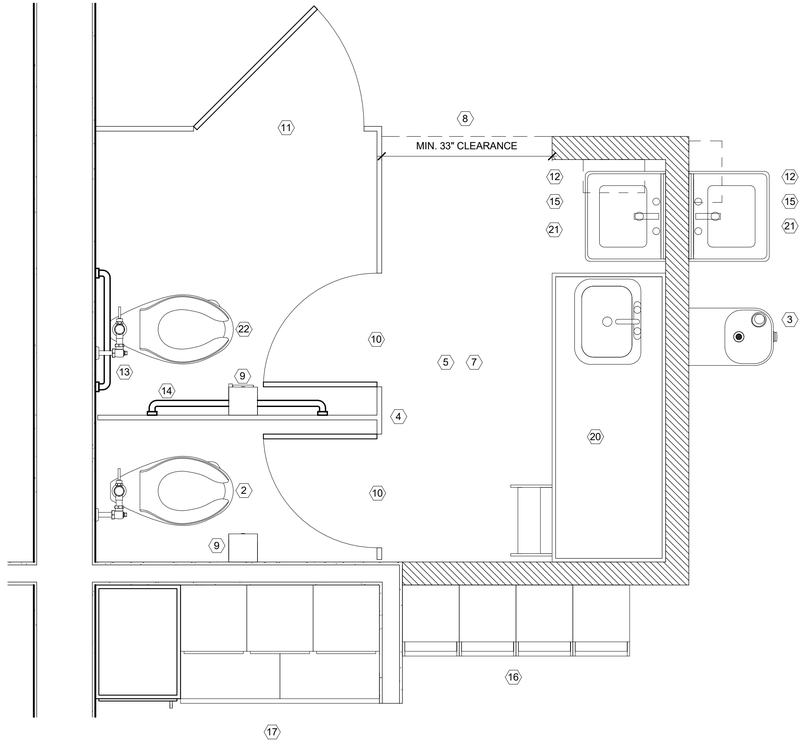
CHILD DEVELOPMENT CENTER (CDC)
STANDARD DESIGN: SMALL
0 - 5 YEARS OLD

ENLARGED KITCHEN PLAN

PLATE REFERENCE NUMBER
A-105
SHEET 13 OF 120



1 A-103 **TODDLER TOILET**
3/4" = 1'-0"



2 A-103 **PRESCHOOL TOILET**
3/4" = 1'-0"

NOTE: SEE STANDARD DESIGN CRITERIA FOR CDC, ROOM BY ROOM DESCRIPTIONS FOR DETAILED INFORMATION.

LOW STUD WALL 4'-2" TALL.

FULL HEIGHT WALL.

2 1 0 2 4
SCALE: 1/2"=1'-0"

KEY NOTES

1. INFANT WATER CLOSET MOUNT RIM 10" - 11" AFF.
2. PRESCHOOL WATER CLOSET MOUNT RIM 13" - 14" AFF.
3. NON-REFRIGERATED DRINKING FOUNTAIN, MOUNT RIM 20" AFF.
4. TOP OF TOILET PARTITIONS SHALL BE NO HIGHER THAN 48" TALL WITH 12" CLEAR OPENING AT BOTTOM. STALL DOORS TO BE PROVIDED.
5. CERAMIC TILE FLOOR FINISH ON CURED MORTAR BED.
6. NON-REFRIGERATED DRINKING FOUNTAIN, MOUNT RIM 17" AFF.
7. PROVIDE FLOOR DRAIN.
8. EXTENT OF CERAMIC TILE FLOOR FIN.
9. ROLL TISSUE HOLDER. MOUNT CENTER 13" AFF.
10. STANDARD 24" PARTITION DOOR.
11. HANDICAPPED PARTITION DOOR WITH A MIN. CLEARANCE OF 32"
12. 18" X 30" MIRROR-MOUNT BOTTOM 3" FROM RIM.
13. 24" LONG STAINLESS STEEL GRAB BAR MOUNT CENTER 20" AFF.
14. 36" LONG STAINLESS STEEL GRAB BAR MOUNT CENTER 20" AFF.
15. CHILD LAVATORY MOUNT RIM 20" AFF.
16. STORAGE CUBBIES
17. SIGN-IN DESK
18. CHILD LAVATORY MOUNT RIM 17" AFF.
19. TOP OF TOILET PARTITIONS SHALL BE NO HIGHER THAN 42" TALL WITH 12" CLEAR OPENING AT BOTTOM. NO DOORS TO BE PROVIDED.
20. DIAPER CHANGING STATION WITH SINK, HOT AND COLD WATER. (PRE-FABRICATED UNIT)
21. COMBINATION PAPER TOWEL DISPENSER/DISPOSAL. MOUNT 40" AFF.
22. ABA CHILD WATER CLOSET MOUNT SEAT 12" AFF.

US Army Corps of Engineers ®
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ENGINEERING AND SUPPORT CENTER
475 QUALITY CIRCLE
HUNTSVILLE, AL 35806

DESIGN BY: MLS
DRAWN BY: EMZ
SBMT BY:
CKD BY: MLS
PLOT DATE: 9/28/2021 5:27:01 PM
PLOT SCALE: 24" x 36"
SIZE: D 22" x 34"
FILE NAME:

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SOLICITATION NO.: N/A
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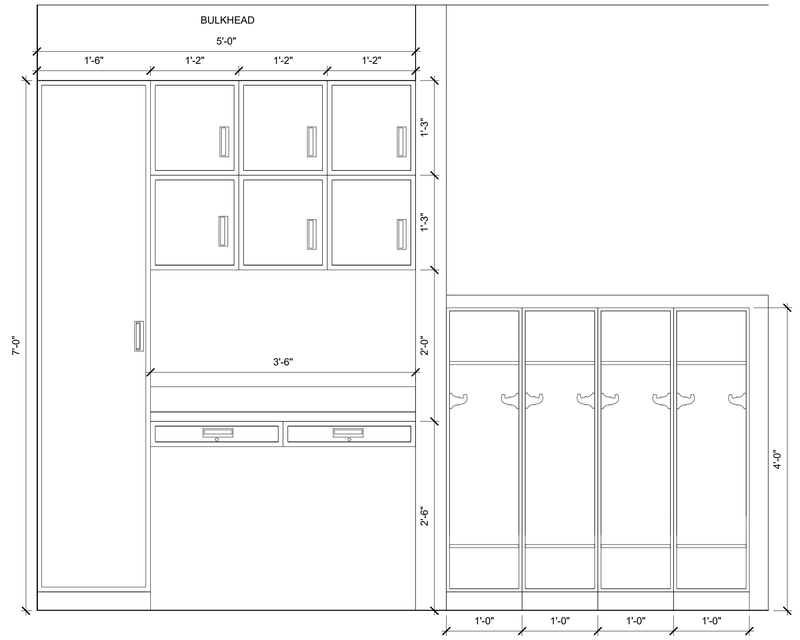
CHILD DEVELOPMENT CENTER (CDC)
STANDARD DESIGN - SMALL
0 - 5 YEARS OLD

ENLARGED TOILET PLANS

PLATE REFERENCE NUMBER
A-106
SHEET 14 OF 120



1 A-103

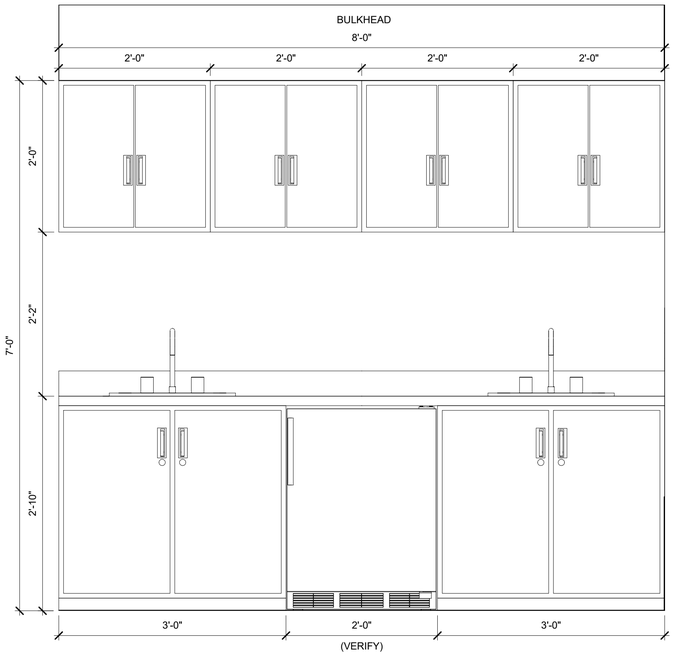
SIGN-IN DESK/CUBBIES (TYP.)

1" = 1'-0"

NOTE: SEE STANDARD DESIGN CRITERIA FOR CDC, ROOM BY ROOM DESCRIPTIONS FOR DETAILED INFORMATION.

1 1/2 0 1 2

SCALE: 1"=1'-0"



2 A-103

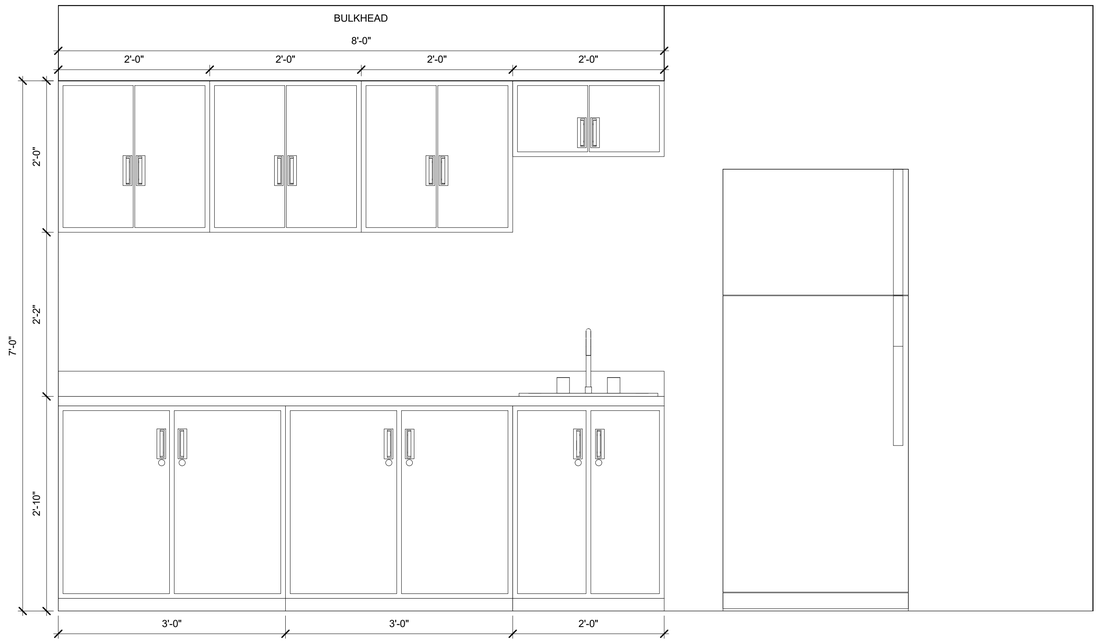
FOOD PREP/ARTS & CRAFTS CABINETS (TYP.)

1" = 1'-0"

NOTE: SEE STANDARD DESIGN CRITERIA FOR CDC, ROOM BY ROOM DESCRIPTIONS FOR DETAILED INFORMATION.

1 1/2 0 1 2

SCALE: 1"=1'-0"



3 A-103

STAFF LOUNGE

1" = 1'-0"

NOTE: SEE STANDARD DESIGN CRITERIA FOR CDC, ROOM BY ROOM DESCRIPTIONS FOR DETAILED INFORMATION.

1 1/2 0 1 2

SCALE: 1"=1'-0"

US Army Corps of Engineers ®
HUNTSVILLE CENTER

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ENGINEERING AND SUPPORT CENTER
475 QUALITY CIRCLE
HUNTSVILLE, AL 35806

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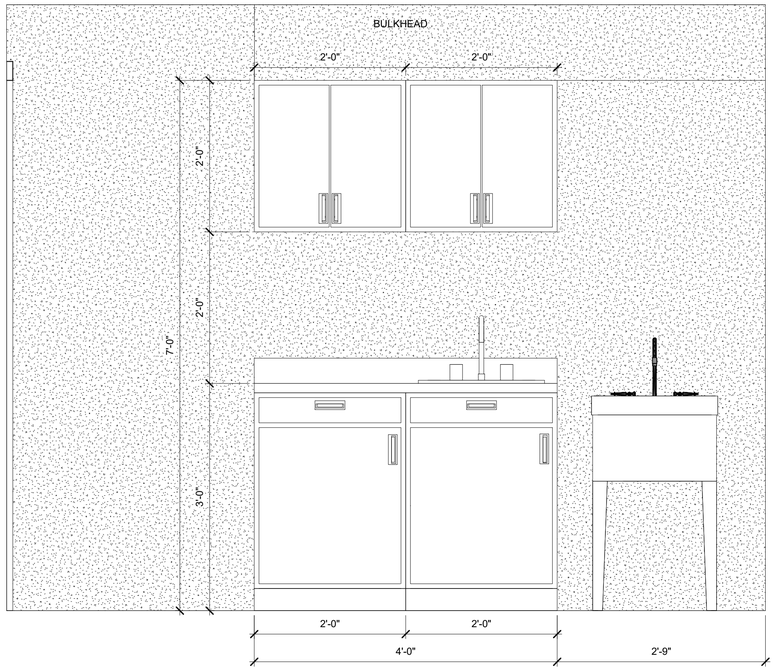
CHILD DEVELOPMENT CENTER (CDC)
STANDARD DESIGN - SMALL
0 - 5 YEARS OLD

INTERIOR ELEVATIONS

PLATE REFERENCE NUMBER
A-202
SHEET 18 OF 120



NOTE: SEE STANDARD DESIGN CRITERIA FOR CDC, ROOM BY ROOM DESCRIPTIONS FOR DETAILED INFORMATION.

2 1 0 2 4

SCALE: 1/2"=1'-0"

1
A-104

LAUNDRY

1" = 1'-0"

US Army Corps of Engineers ®
HUNTSVILLE CENTER

DESCRIPTION	DATE	BY
SYMBOL		

DESIGN BY: MLS
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SBMT BY:
CKD BY: MLS
PLOT DATE: 9/28/2021 12:27:14 PM
PLOT SCALE: 1" = 1'-0"
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CONTRACT NO.: N/A
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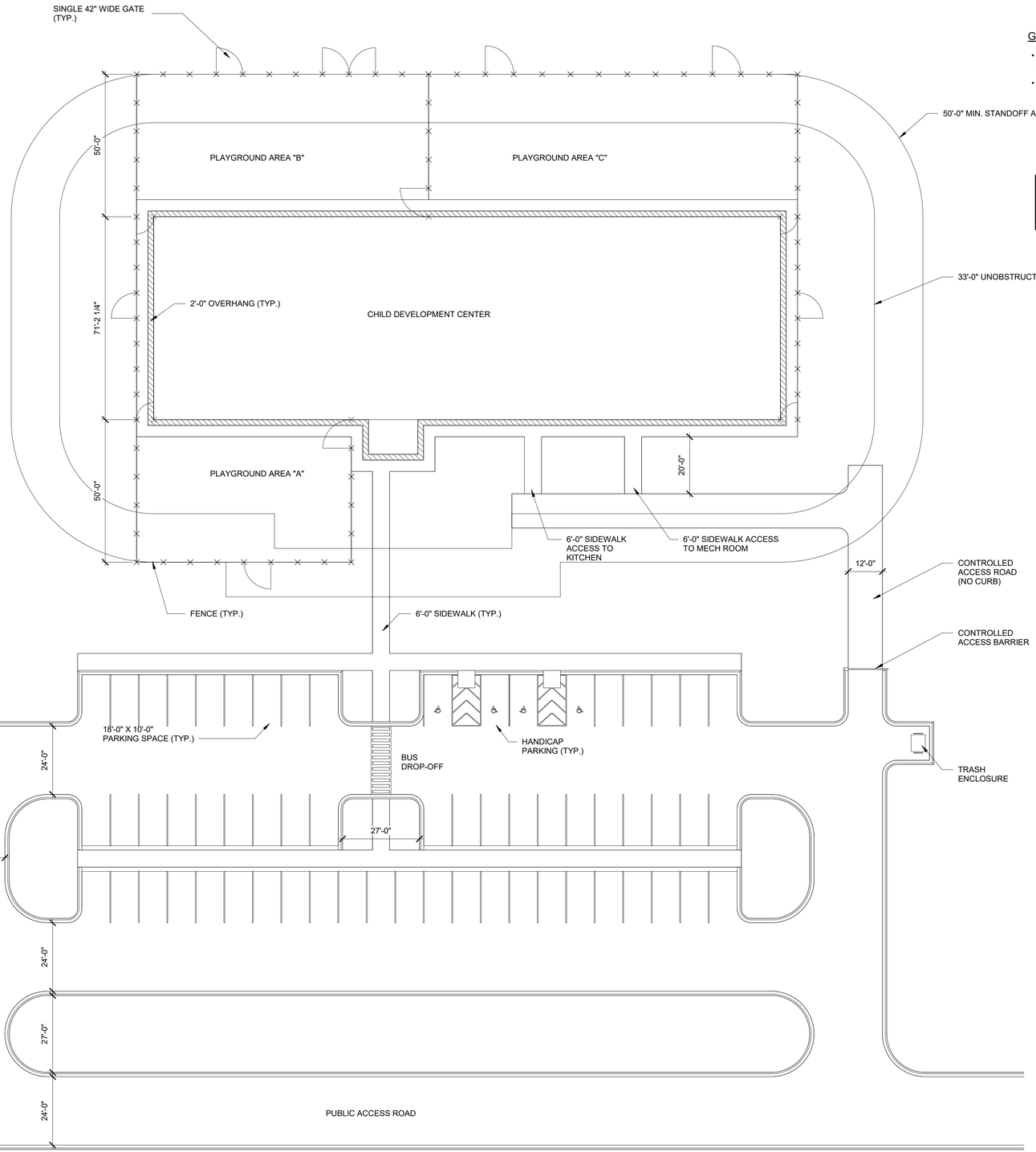
U.S. ARMY CORPS OF ENGINEERS
ENGINEERING AND SUPPORT CENTER
4735 QUALITY CIRCLE
HUNTSVILLE, AL 35806

CHILD DEVELOPMENT CENTER (CDC)
STANDARD DESIGN, SMALL
0 - 5 YEARS OLD

INTERIOR ELEVATIONS

PLATE REFERENCE NUMBER
A-203
SHEET 19 OF 120



GENERAL NOTES:

- REFERENCE STANDARD DESIGN CRITERIA FOR CDC, ROOM BY ROOM DESCRIPTIONS FOR ADDITIONAL SITE & PARKING INFORMATION.
- 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	59	61
HANDICAP PARKING	3	4

N

PLAN NORTH

32 24 16 8 0 32 64

SCALE: 1/32"=1'-0"

OVERALL SITE PLAN

SCALE: 3/64" = 1'-0"

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CHILD DEVELOPMENT CENTER (CDC)
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0 - 5 YEARS OLD

OVERALL SITE PLAN

PLATE REFERENCE NUMBER
C-101
SHEET OF 120

GENERAL NOTES:

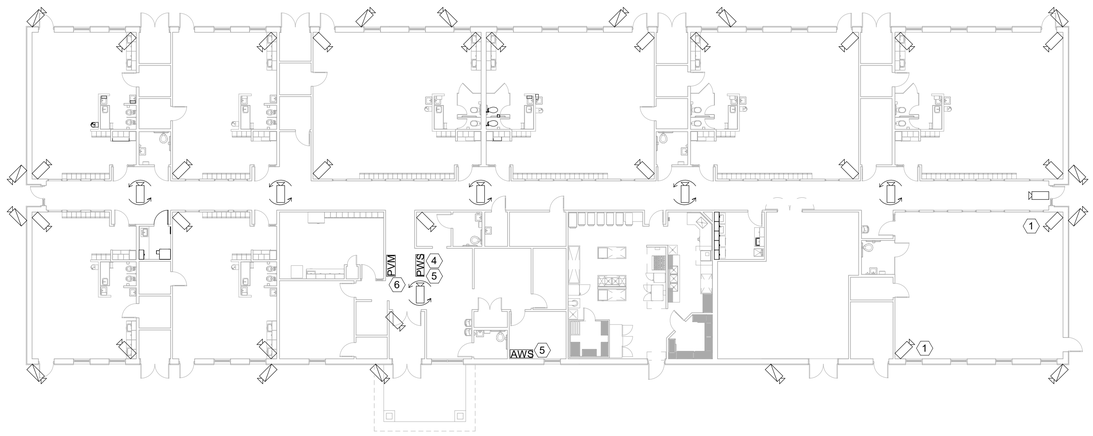
- REFERENCE STANDARD DESIGN CRITERIA FOR CDC, ROOM BY ROOM DESCRIPTIONS FOR ADDITIONAL SECURITY & MONITORING INFORMATION.
- ASSUMPTIONS (FOR CAMERA PLACEMENT ON DRAWINGS):
  1. ALL CEILINGS ARE EIGHT (8) FEET SUSPENDED TILES UNLESS OTHERWISE NOTED.
  2. ALL FURNITURE AND LANDSCAPE PLACEMENT WILL NOT BLOCK CAMERA VIEWS.
  3. BUILDINGS WILL HAVE "OVERHANGS/SOFFITS" TO ACCOMMODATE EXTERIOR CAMERAS.
  4. EXTERIOR CAMERAS ARE PLACED BASED ON EXPECTED LOCATION OF PLAYGROUNDS.
- ALL INTERIOR CAMERS SHALL HAVE A LENS SIZE OF 2.9-8.2MM UNLESS OTHERWISE NOTED.
- ALL EXTERIOR CAMERS SHALL HAVE A LENS SIZE OF 2.9-8.2MM UNLESS OTHERWISE NOTED.

KEY NOTES:

1. EXTERIOR CAMERAS ARE TO BE INSTALLED IN ACTIVE PLAY ROOMS. CAMERAS SHALL HAVE A LENS SIZE OF 2.9-8.2MM UNLESS OTHERWISE NOTED.
2. CCTV RACK MOUNT POWER SUPPLIES.
3. SURVEILLANCE EQUIPMENT RACK (SER) LOCATION.
4. PVM WORKSTATION.
5. RJ-45 LAN JACK LOCATION.
6. PARENTAL VIEWING MONITOR (PVM) LOCATION.

PLAN SYMBOL KEY:

- INTERIOR FIXED CAMERA (NOT TO SCALE)
- INTERIOR 360 DEGREE CAMERA (NOT TO SCALE)
- EXTERIOR FIXED CAMERA (NOT TO SCALE)
- SER SURVEILLANCE EQUIPMENT RACK
- PVM PARENTAL VIEWING MONITOR
- PWS PVM WORKSTATION
- AWS ADMINISTRATORS WORKSTATION



SECURITY & MONITORING PLAN

SCALE: 1/16" = 1'-0"

N

PLAN NORTH

16 12 8 4 0 16 32

SCALE: 1/16"=1'-0"

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CKD BY: Checker
SBMT BY: Approver
PLOT DATE: 9/28/2021 9:07:40 AM
PLOT SCALE: 1/16" = 1'-0"
SIZE: D 22" x 34"
FILE NAME:
DATE: SEPTEMBER 2021
SOLICITATION NO.: N/A
CONTRACT NO.: N/A
CATEGORY CODE:

U.S. ARMY CORPS OF ENGINEERS
ENGINEERING AND SUPPORT CENTER
475 QUALITY CIRCLE
HUNTSVILLE, AL 35806

CHILD DEVELOPMENT CENTER (CDC)
STANDARD DESIGN, SMALL
0 - 5 YEARS OLD

SECURITY & MONITORING PLAN

PLATE REFERENCE NUMBER
X-101
SHEET OF 120