

# Arthur Kill Correctional Facility



Arthur Kill Correctional Facility P-35

Looking South

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**Utility Services  
Building Systems  
Maintenance Requirements**

**Prepared By:  
Facilities Planning & Development  
Technical Services Group**

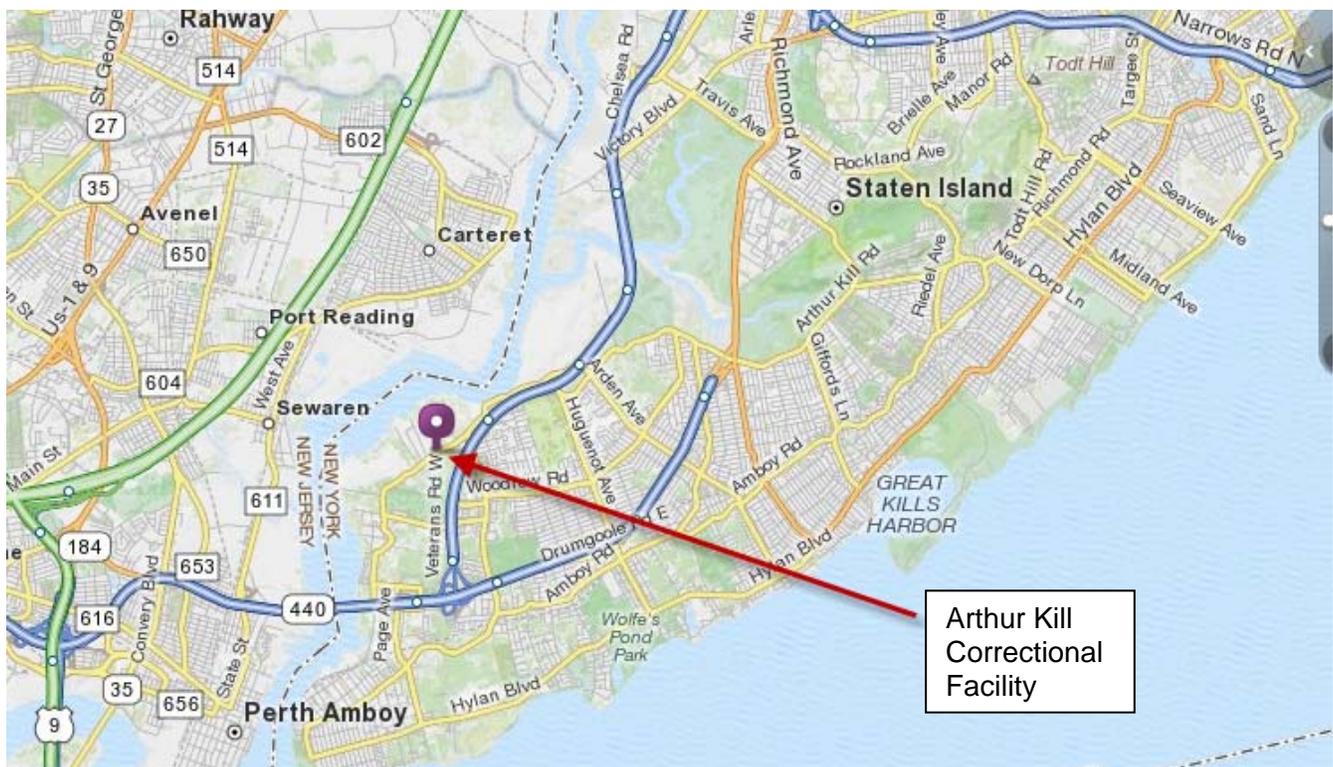
Arthur Kill Correctional Facility  
2911 Arthur Kill Road  
Staten Island, New York 10309-1101  
Richmond County, New York

Water and Sanitary Sewer services:  
Provided by NYCDEP  
60 Bay Street-6floor  
Staten Island, New York 10301  
(718) 595-7000

Electric Power:  
Provided by  
Con-Edison

Driving Directions from Albany:  
(Approximate 190 miles)

Thruway (I-87) South to Exit 15, Route 17S to Route 80E, to route 95S (NJ Turnpike,) to Route 278E, across the Goethals Bridge to Route 440 West Shore Highway South, to Bloomingdale road exit, turn left on Arthur Kill Road (facility is on the right.)



## **Narrative**

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The Arthur Kill Correctional Facility opened in 1969 for the incarceration and treatment of heroin addicts. The facility was to be a temporary field camp operated by the Narcotic Addition Control Commission (NACC.) In 1976, operation was transferred to the Department of Correctional Services, and the facility was reclassified a correctional facility. The current capacity is 991 beds.

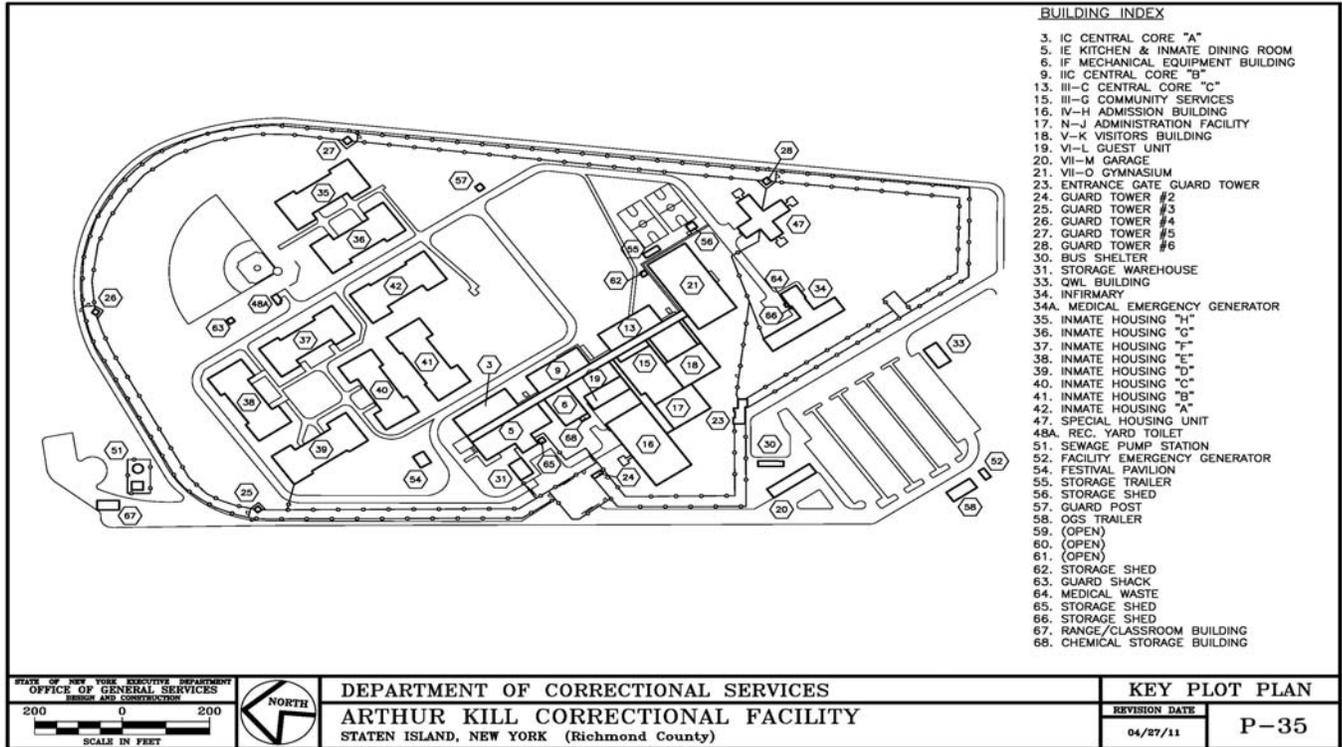
The original facility was erected quickly without fanfare on what had been a junkyard alongside the Arthur Kill, and two large natural gas tanks. Almost hidden by trees on the then-sparsely populated southern tip of Staten Island, the prefabricated structures had a planned life expectancy of ten years.

Some of the original prefabricated structures remain while others have been replaced with prototypical buildings similar to those at "cookie cutter" facilities. There are 43 buildings on the property, including eight prototypical barracks-style housing units. Arthur Kill also features a prototypical nine bed medical unit and a prototypical 32-cell special housing unit.

There are approximately 78 acres of land within the perimeter security, and 82 acres outside the perimeter security. The perimeter security is comprised of a double row of fencing topped with coiled blades of razor ribbon

**Existing Buildings**

Facility Plot Plan:



**Buildings Scheduled to Close**

*Building # 3: Central Core A*  
*Building #5 Main Kitchen and Dining Room*  
*Building # 6: Boiler Room*  
*Building #9: Central Core B*  
*Building # 13: Central Core C*  
*Building # 15 Community Services:*  
*Building # 16: Admission Building*  
*Building #17: Administration Building*  
*Building # 18 Visitors Building:*  
*Building #19: Guest Unit*  
*Building #20: Garage*  
*Building #21: Gym*  
*Building # 23: Entrance Gate Guard Tower*  
*Building # 24: Guard Tower #2*  
*Building # 25: Guard Tower #3*  
*Building # 26 Guard Tower #4:*  
*Building # 27: Guard Tower #5*  
*Building # 28: Guard Tower #6*  
*Building # 30: Bus Stop Shelter*  
*Building # 31: Storage Warehouse*  
*Building # 33: Q.W.L.*  
*Building # 34: Infirmary*  
*Building #34A:Housing Unit H*  
*Building #35: Housing Unit G*  
*Building #36: Housing Unit F*

*Building #38: Housing Unit E*  
*Building #39: Housing Unit D*  
*Building #40: Housing Unit C*  
*Building #41: Housing Unit B*  
*Building #42: Housing Unit A*  
*Building #47: Special Housing Unit (SHU)*  
*Building #48A: Recreation Yard Toilet*  
*Building #51: Sewage Lift Station*  
*Building #52: Main Generator Enclosure*  
*Building #53: Greenhouse*  
*Building #54: Festival Pavilion*  
*Building #55: Storage Trailer*  
*Building #56: Storage Shed*  
*Building #57: Guard Post*  
*Building #58: OGS Trailer*  
*Building #59: Hallway #1*  
*Building #60: Hallway #2*  
*Building #61: Connecting Hallway*  
*Building #62: Storage Shed*  
*Building #63: Guard Shack*  
*Building #64: Medical Waste*  
*Building #65: Storage Shed*  
*Building #66: Storage Shed*  
*Building #67: Range Classroom Building*  
*Building #68: Chemical Storage*

## **Site Utility Services and Systems**

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### **Water Distribution System**

The Arthur Kill Correctional Facility is served by a buried cast iron water main that enters the facility and is distributed to the other buildings in the main compound. The system includes all fire hydrants in the compound which provides fire protection to all buildings.

### **Sanitary Sewer System**

The Arthur Kill Correctional Facility is served by underground sanitary sewer piping and manholes located throughout the compound. Also included are several grease traps. Sewage is collected in an equalization tank located on facility grounds, and is pumped to a NYSDEC permitted wastewater treatment facility via a 2 ½ inch forced main. After adequate treatment, the effluent from the wastewater treatment plant is discharged to drying/filter beds.

### **Storm Water System**

The Arthur Kill Correctional Facility is served by underground storm sewer piping, manholes and area drainage catch basins located throughout the compound. Arthur Kill Correctional Facility falls under the regulatory requirements of the DEC Municipal Separate Storm Sewer System (MS4,) for storm water management (General Permit #GP02-10-002, MS4 ID #NYR-20A-502.) Storm water manholes and catch basins must be visually inspected semiannually to ensure that they are not clogged or otherwise in disrepair. If these structures are filled with sediment, debris, or have any structural defect affecting their function, they should be cleaned and repaired as necessary. A formal annual inspection of the facility's outfalls and storm water management systems must be completed in association with an annual report to be filed with DEC. DOCCS' environmental consultant is responsible for conducting these inspections at all DOCCS' MS4 facilities, and will continue to be tasked with this assignment at Arthur Kill Correctional Facility.

A storm water construction permit remains open for the recent firing range construction project at the Facility (DEC Permit #NYR-10M260.)

### **Electrical Distribution**

Electric service for the Arthur Kill Correctional facility is provided by Con Edison. Power is distributed throughout the site through an underground conduits and duct banks. The power is distributed at 4800 volts, three phase. The main disconnect switchgear is located outside the secured perimeter and is located at the south west corner of the facility parking area. The secondary voltage of the majority of the main buildings is 208 volts, which is converted by a pad mount transformer and distributed to the various areas.

### **Petroleum Bulk Storage**

The facility has ten petroleum bulk storage tanks that are registered with the Department of Environmental Conservation. Six of these tanks are above ground tanks. The underground tanks consist of two 25,000 gallon #2 fuel oil tanks, a 1,000 and 2,000 gallon gasoline and diesel vehicle fueling tank, and an 1,000 and 8,000 gallon generator diesel tank. Monitoring of the tanks need to be continued with documented weekly and monthly visual inspections, required tightness testing needs to be conducted and inventory monitoring requirements remain in effect. If this is the method selected, all products still should be removed to reduce the possibility of a future spill.

### **Sanitary Sewer Discharge**

Arthur Kill Correctional Facility discharges its sanitary sewage to the city of New York Publically Owned Treatment Works (POTW) for treatment. Coordination with the POTW should commence to ensure that any associated permitting is terminated with the closure of the facility.

### **Air Permitting**

Arthur Kill Correctional Facility operates under a DEC Air State Facility Permit (#2-6405-00235/02001.) An ongoing project at the facility is underway to install three new replacement powerhouse boilers. The facility also operates one 1500kw emergency generator. In addition to these large emissions points, the facility operates exempt and trivial activity sources of emissions including small combustion sources, storage tanks, exempt generators and maintenance and vocational activities. This emission source is registered with the DEC and certain regulatory requirements are mandated. Depending on what fate is determined for the new facility boilers, air permit modifications may be required to be coordinated with DEC. This modification may result in the alteration or elimination of the Air State Facility Permit, and certain requirements associated with such.

Air compliance recordkeeping may be required depending on operational procedures in the facility's closed condition. Consult the facility's *Air Compliance Operations Procedures Manual* (January 2011,) for details on the air permitting requirements.

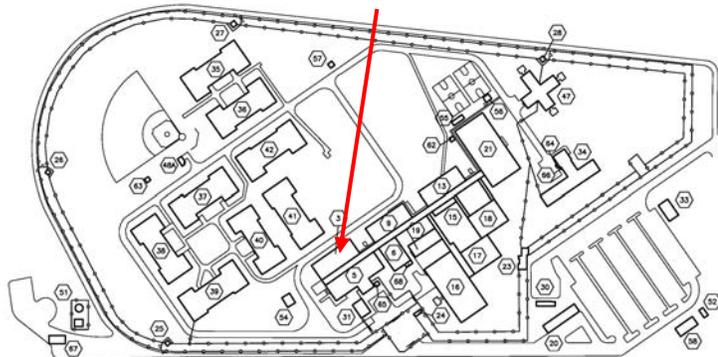
### **Range Remediation**

Arthur Kill Correctional Facility has a decommissioned firing range and an active firing range with a state of the art lead trap system. The decommissioned firing range had been slated for lead remediation. Based on determinations from existing OGS studies and potential Phase I and Phase II site assessments, DOCCS will need to determine how to advance with this remediation as part of the overall closure activities.

## Individual Building

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### Arthur Kill Correctional Facility # 3 – IC Central Core A



**Size:** 25,649 gross square feet, two floors, and no basement

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**Uses:**

**Heating:** Hot water is provided from site wide underground distribution system. Fin tube radiation/cabinet unit heaters/air handler

**DHW:** Domestic heat exchanger off facility loop

**Water:** Underground site distribution

**Sanitary:** Facility site

**Electrical:** Facility site distribution with emergency generator backup

**Ventilation:** Mechanical exhaust and make-up air handler

**Refrigeration:** Air conditioned space from chillers

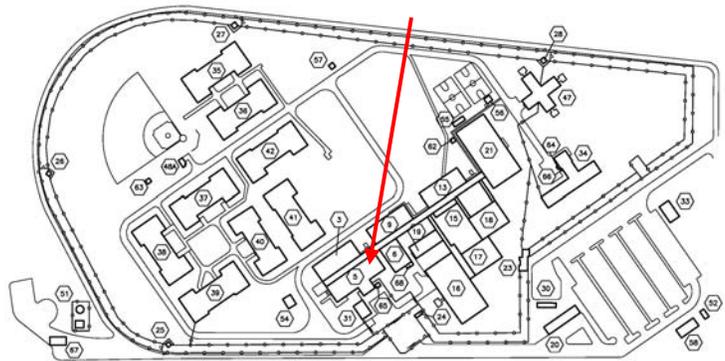
**Emergency Systems:** Central site wide alarm system/ Standpipe system

**Phone/Data Systems:** Facility Phone

**Miscellaneous:**

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**Arthur Kill Correctional Building #5 – IE Kitchen, Inmate Dining Room**



**Size:** 11,845 gross square feet, two floors, and no basement

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**Uses:** Mess hall, kitchen

**Heating:** Hot water is provided from site wide underground distribution system. Fin tube radiation/cabinet unit heaters/air handler

**DHW:** Domestic heat exchanger off facility loop

**Water:** Underground site distribution

**Sanitary:** Facility site

**Electrical:** Facility site distribution with emergency generator backup

**Ventilation:** Mechanical exhaust and make-up air handler

**Refrigeration:** Coolers, freezers, portable refrigeration units

**Emergency Systems:** Central site wide alarm system/ standpipe system

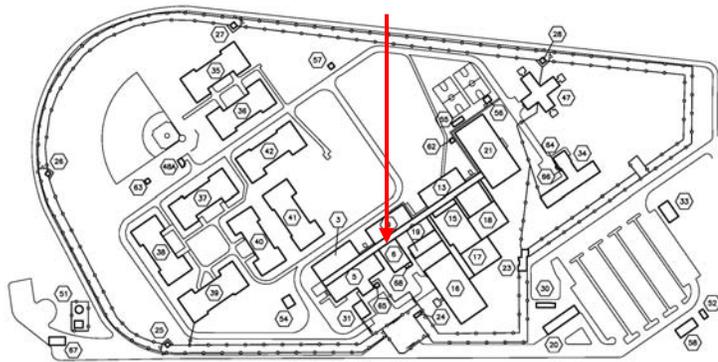
**Phone/Data Systems:** Facility phone

**Miscellaneous:** Cooking equipment, stove, griddles, and ovens

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**Arthur Kill Correctional Building #6 – IF Mechanical Equipment**

***Photo not up to date***

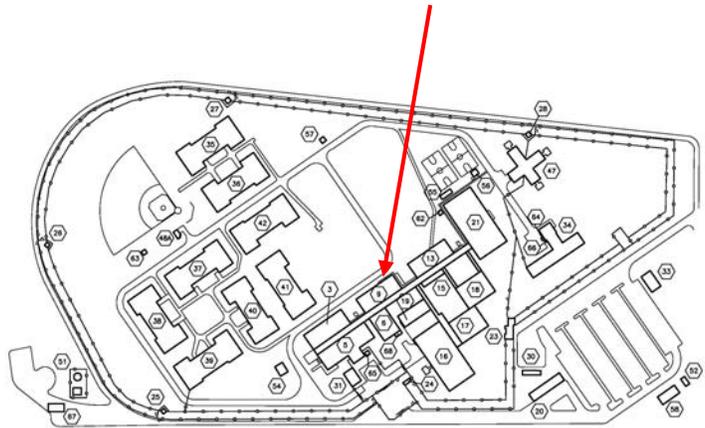


**Size:** 5,441 gross square feet, one floor, and no basement

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- Uses:** Boiler/chiller for facility heating and cooling  
**Heating:** Steam heating originates from this building  
**DHW:** Domestic heat exchanger off facility loop  
**Water:** Underground site distribution  
**Sanitary:** Facility site  
**Electrical:** Facility site distribution with emergency generator backup  
**Ventilation:** Mechanical exhaust and make-up air handler  
**Refrigeration:**  
**Emergency Systems:** Central site wide alarm system/ standpipe system  
**Phone/Data Systems:** Facility Phone  
**Miscellaneous:**
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**Arthur Kill Correctional Building #9 – IIC Central Core “B”**



**Size:** 27,974 gross square feet, two floors, and no basement

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**Uses:** Maintenance area/storehouse

**Heating:** Hot water is provided from site wide distribution system. Fin tube radiation/cabinet unit heaters/air handler

**DHW:** Domestic heat exchanger off facility loop

**Water:** Underground site distribution

**Sanitary:** Facility site

**Electrical:** Facility site distribution with emergency generator backup

**Ventilation:** Mechanical exhaust and make-up air handler

**Refrigeration:**

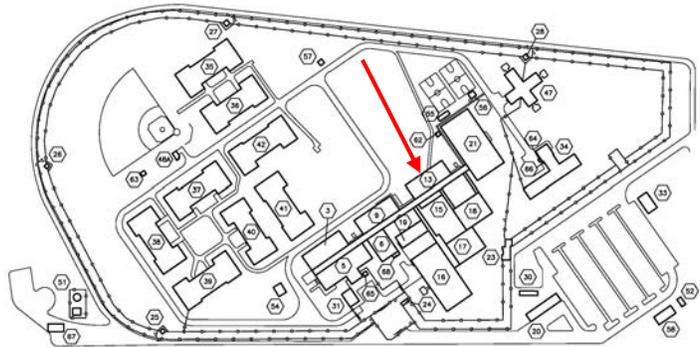
**Emergency Systems:** Central site wide alarm system/standpipe system

**Phone/Data Systems:** Facility phone

**Miscellaneous:**

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**Arthur Kill Correctional Building # 13 – III Central Core “C”**



**Size:** 24,974 gross square feet, two floors, and no basement (built on slab)

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**Uses:**

**Heating:** Hot water is provided from site wide distribution system. Fin tube radiation/cabinet unit heaters/air handler

**DHW:** Domestic heat exchanger off facility loop

**Water:** Underground site distribution

**Sanitary:** Facility site

**Electrical:** Facility site distribution with emergency generator backup

**Ventilation:** Mechanical exhaust and make-up air handler

**Refrigeration:**

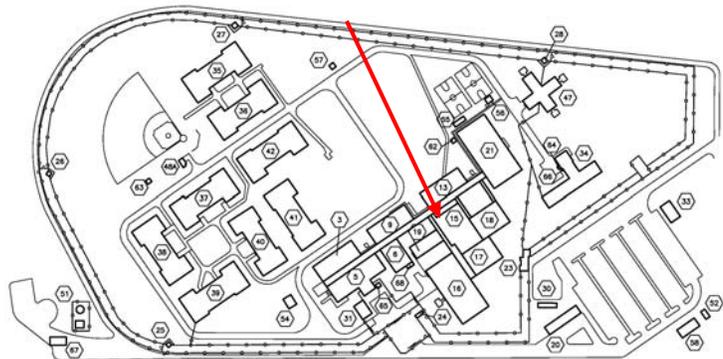
**Emergency Systems:** Central site wide alarm system/ standpipe system

**Phone/Data Systems:** Facility phone

**Miscellaneous:**

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**Arthur Kill Correctional Building #15 – Community Services**



**Size:** 3,314 gross square feet, one floor, and no basement (built on slab)

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**Uses;**

**Heating:** Hot water is provided from site wide distribution system. Fin tube radiation/cabinet unit heaters/air handler

**DHW:** Domestic heat exchanger off facility loop

**Water:** Underground site distribution

**Sanitary:** Facility site

**Electrical:** Facility site distribution with emergency generator backup

**Ventilation:** Mechanical exhaust and make-up air handler

**Refrigeration:**

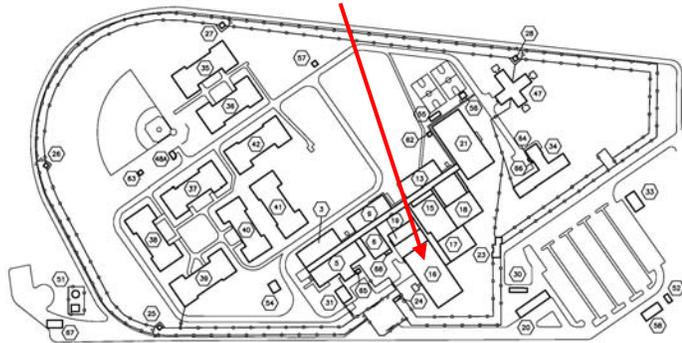
**Emergency Systems:** Central site wide alarm system/ standpipe system

**Phone/Data Systems:** Facility phone

**Miscellaneous:**

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**Arthur Kill Correctional Building #16 – IV- H Admission Bldg.**



**Size:** 21,742 gross square feet, one floor, and no basement

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**Uses;**

**Heating:** Hot water is provided from site wide distribution system. Fin tube radiation/cabinet unit heaters/air handler

**DHW:** Domestic heat exchanger off facility loop

**Water:** Underground site distribution

**Sanitary:** Facility site

**Electrical:** Facility site distribution with emergency generator backup

**Ventilation:** Mechanical exhaust and make-up air handler

**Refrigeration:**

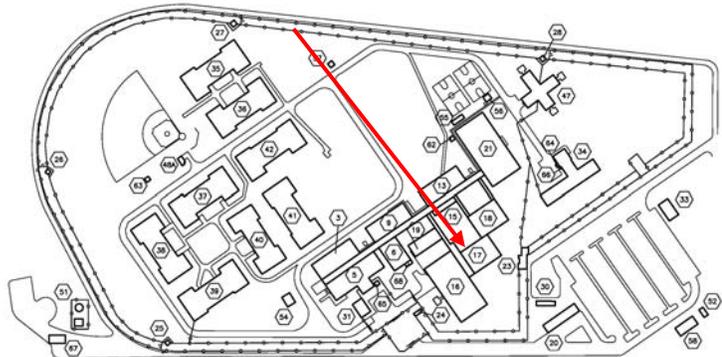
**Emergency Systems:** Central site wide alarm system/standpipe system

**Phone/Data Systems:** Facility phone

**Miscellaneous:**

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**Arthur Kill Correctional Building #17 – N - J Administration**



**Size:** 8,147 gross square feet, one floor, and no basement

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**Uses;**

**Heating:** Hot water is provided from site wide distribution system. Fin tube radiation/cabinet unit heaters/air handler

**DHW:** Domestic heat exchanger off facility loop

**Water:** Underground site distribution

**Sanitary:** Facility site

**Electrical:** Facility site distribution with emergency generator backup

**Ventilation:** Mechanical exhaust and make-up air handler

**Refrigeration:**

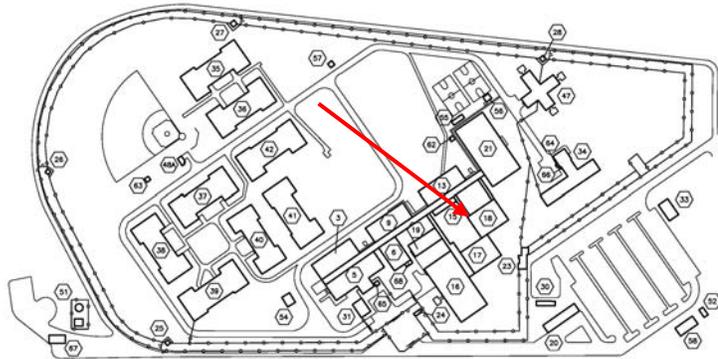
**Emergency Systems:** Central site wide alarm system/standpipe system

**Phone/Data Systems:** Facility phone

**Miscellaneous:**

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**Arthur Kill Correctional - Building #18 V-K Visitors Building**



**Size:** 8,198 gross square feet, one floor, and no basement

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**Uses;**

**Heating:** Hot water is provided from site wide distribution system. Fin tube radiation/cabinet unit heaters/air handler

**DHW:** Domestic heat exchanger off facility loop

**Water:** Underground site distribution

**Sanitary:** Facility site

**Electrical:** Facility site distribution with emergency generator backup

**Ventilation:** Mechanical exhaust and make-up air handler

**Refrigeration:**

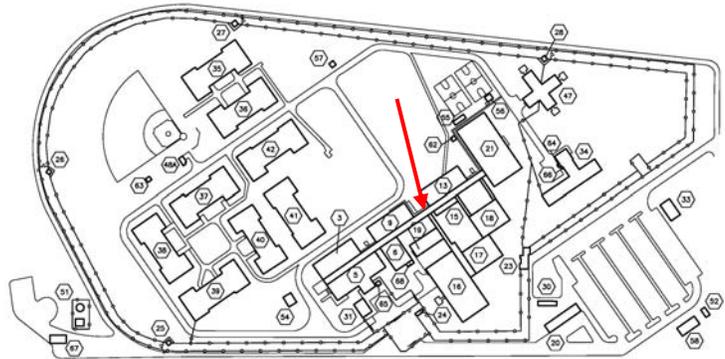
**Emergency Systems:** Central site wide alarm system/Standpipe system

**Phone/Data Systems:** Facility phone

**Miscellaneous:**

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**Arthur Kill Correctional - Building #19 VI – L Guest Unit**



**Size:** 5,649 gross square feet, one floor, and no basement

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**Uses:**

**Heating:** Hot water is provided from site wide distribution system. Fin tube radiation/cabinet unit heaters/air handler

**DHW:** Domestic heat exchanger off facility loop

**Water:** Underground site distribution

**Sanitary:** Facility site

**Electrical:** Facility site distribution with emergency generator backup

**Ventilation:** Mechanical exhaust and make-up air handler

**Refrigeration:**

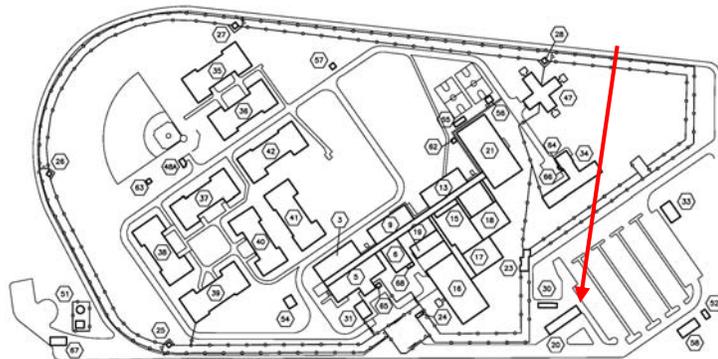
**Emergency Systems:** Central site wide alarm system/standpipe system

**Phone/Data Systems:** Facility phone

**Miscellaneous:**

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**Arthur Kill Correctional Building #20 VII – M Garage**



**Size:** 4,029 gross square feet , one floor, and no basement

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**Uses:**

**Heating:** Hot water is provided from site wide distribution system. Fin tube radiation/cabinet unit heaters/air handler

**DHW:** Domestic heat exchanger off facility loop

**Water:** Underground site distribution

**Sanitary:** Facility site

**Electrical:** Facility site distribution with emergency generator backup

**Ventilation:** Mechanical exhaust and make-up air handler

**Refrigeration:** None

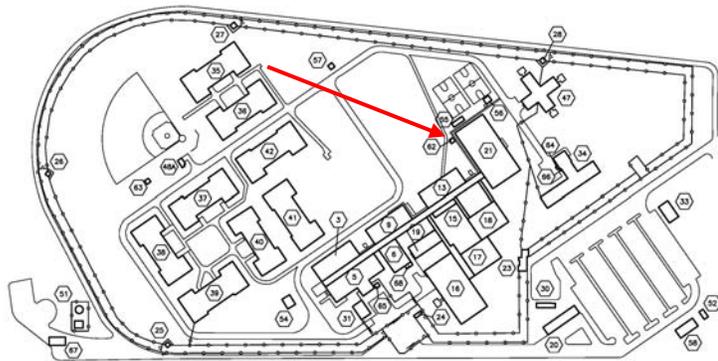
**Emergency Systems:** Central site wide alarm system/standpipe system

**Phone/Data Systems:** Facility phone

**Miscellaneous:** Vehicle lifts, compressors

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**Arthur Kill Correctional Building # 21 – VII – O Gymnasium**



**Size:** 36,317 gross square feet, two floors, and no basement

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**Uses:**

**Heating:** Hot water is provided from site wide distribution system. Fin tube radiation/cabinet unit heaters/air handler

**DHW:** Domestic heat exchanger off facility loop

**Water:** Underground site distribution

**Sanitary:** Facility site

**Electrical:** Facility site distribution with emergency generator backup

**Ventilation:** Mechanical exhaust and make-up air handler

**Refrigeration:**

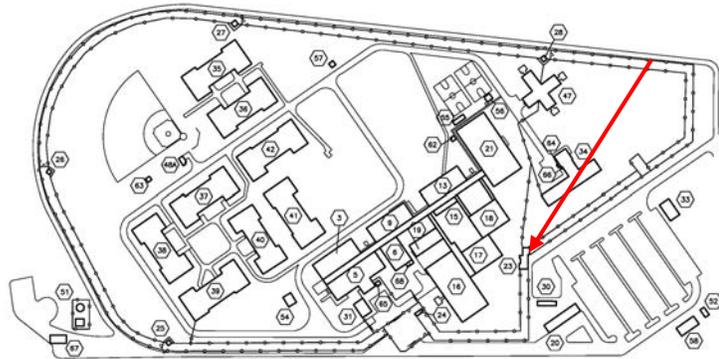
**Emergency Systems:** Central site wide alarm system/standpipe system

**Phone/Data Systems:** Facility phone

**Miscellaneous:**

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### Arthur Kill Correctional Building #23 – Entrance Gate Guard Tower

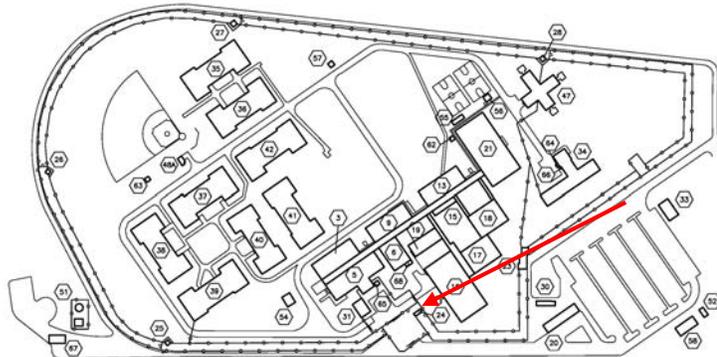


**Size:** 1,927 Gross square feet 2 floors no basement.

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- Uses:** Security post, entrance to facility
- Heating:** Hot water is provided from site underground distribution system. Fin tube radiation/cabinet unit heaters/air handler
- DHW:** Domestic heat exchanger off facility loop
- Water:** Underground site distribution
- Sanitary:** Facility site
- Electrical:** Facility site distribution with emergency generator backup
- Ventilation:** Mechanical exhaust and make-up air handler
- Refrigeration:** 100 percent air conditioned from central plant chiller
- Emergency Systems:** Central site wide alarm system/standpipe system
- Phone/Data Systems:** Facility phone
- Miscellaneous:**
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**Arthur Kill Correctional Building #24 – Guard Tower #2**



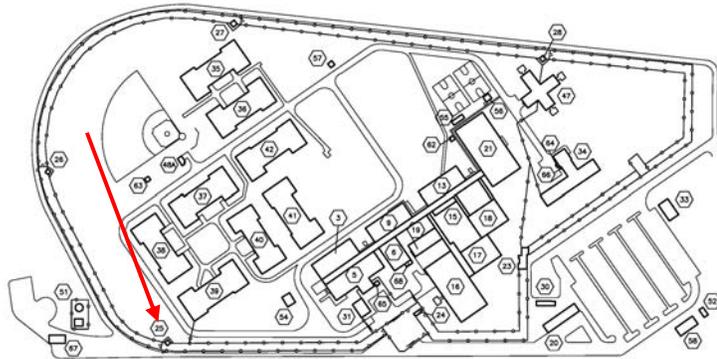
**Size:** 554 gross square feet, two floors, and no basement

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**Uses:** Security post  
**Heating:** Electric  
**DHW:** Electric  
**Water:** Underground site distribution  
**Sanitary:** Facility site  
**Electrical:** Facility site distribution with emergency generator backup  
**Ventilation:**  
**Refrigeration:**  
**Emergency Systems:**  
**Phone/Data Systems:** Facility phone  
**Miscellaneous:**

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**Arthur Kill Correctional Building #25 – Guard Tower #3**

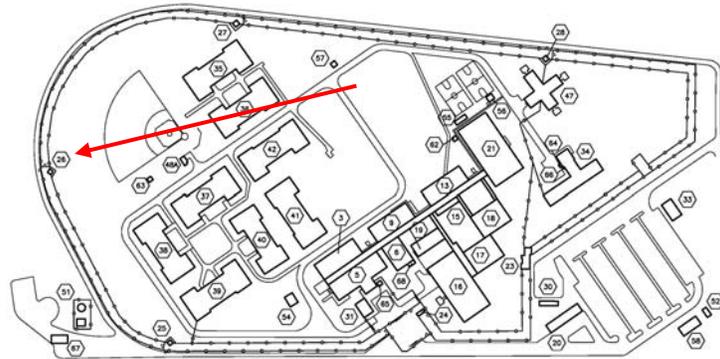


**Size:** 455 gross square feet, two floors, and no basement

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- Uses:** Security post  
**Heating:** Electric  
**DHW:** Electric  
**Water:** Underground site distribution  
**Sanitary:** Facility site  
**Electrical:** Facility site distribution with emergency generator backup  
**Ventilation:**  
**Refrigeration:**  
**Emergency Systems:**  
**Phone/Data Systems:** Facility phone  
**Miscellaneous:**
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**Arthur Kill Correctional Building #26 – Guard #4**



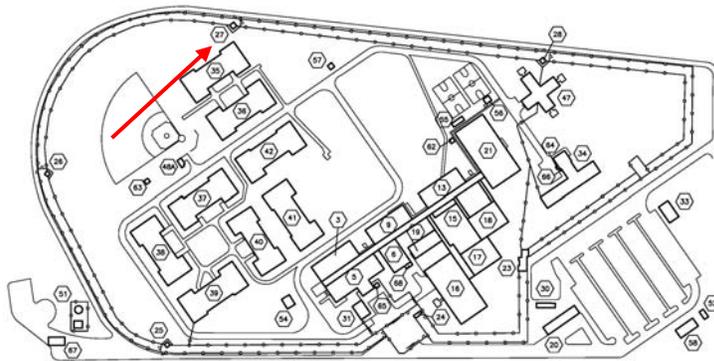
**Size:** 455 gross square feet, two floors, and no basement

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**Uses:** Security post  
**Heating:** Electric  
**DHW:** Electric  
**Water:** Underground site distribution  
**Sanitary:** Facility site  
**Electrical:** Facility site distribution with emergency generator backup  
**Ventilation:**  
**Refrigeration:**  
**Emergency Systems:**  
**Phone/Data Systems:** Facility phone  
**Miscellaneous:**

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**Arthur Kill Correctional Building #27 – Guard Tower #5**

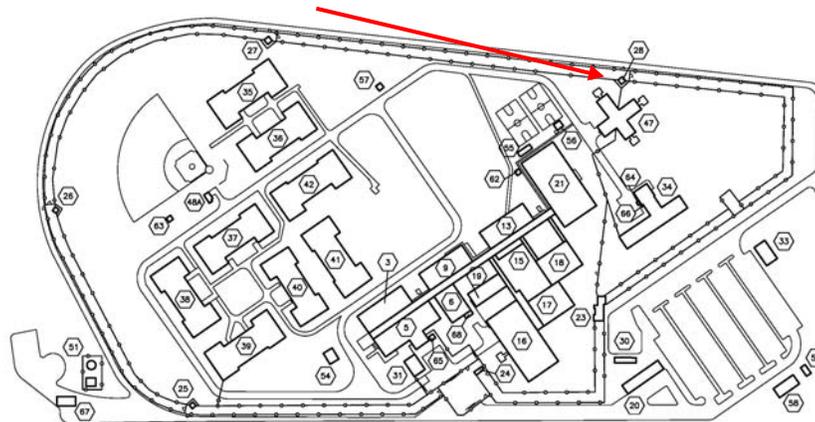


**Size:** 455 gross square feet, two floors, and no basement

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- Uses:** Security post  
**Heating:** Electric  
**DHW:** Electric  
**Water:** Underground site distribution  
**Sanitary:** Facility site  
**Electrical:** Facility site distribution with emergency generator backup  
**Ventilation:**  
**Refrigeration:**  
**Emergency Systems:**  
**Phone/Data Systems:** Facility phone  
**Miscellaneous:**
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**Arthur Kill Correctional Building # 28 – Guard Tower #6**



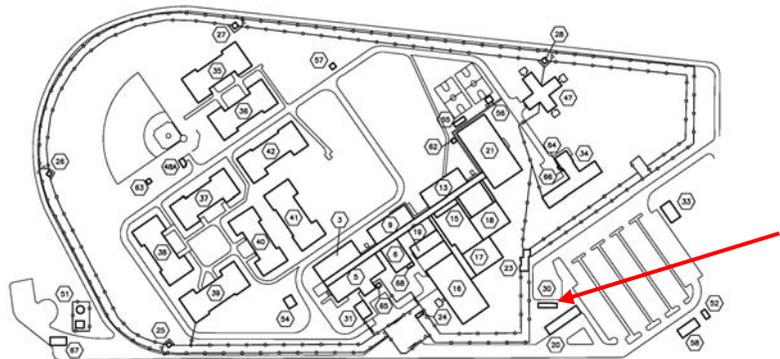
**Size:** 455 gross square feet, two floors, and no basement

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**Uses:** Security post  
**Heating:** Electric  
**DHW:** Electric  
**Water:** Underground site distribution  
**Sanitary:** Facility site  
**Electrical:** Facility site distribution with emergency generator backup  
**Ventilation:**  
**Refrigeration:**  
**Emergency systems:**  
**Phone/Data Systems:** Facility phone  
**Miscellaneous:**

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**Arthur Kill Correctional Building #30 – Bus Shelter**

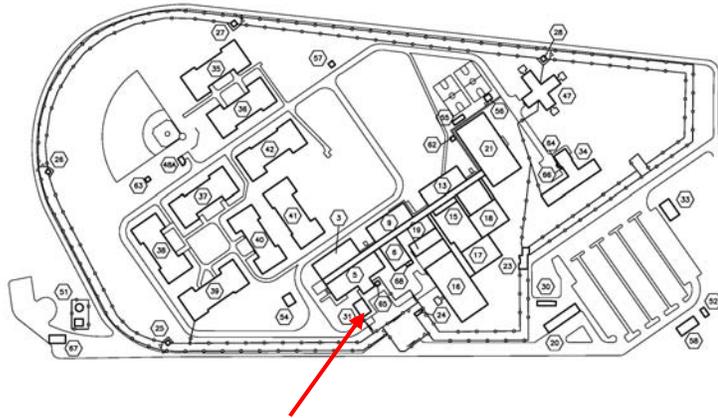


**Size:** 1,039 gross square feet, and floor, and no basement

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- Uses:** Visit processing  
**Heating:** Electric  
**DHW:** Electric  
**Water:** Underground site distribution  
**Sanitary:** Facility site  
**Electrical:** Facility site distribution with emergency generator backup  
**Ventilation:** Mechanical exhaust and make-up air handler  
**Refrigeration:**  
**Emergency systems:** Central site wide alarm system/standpipe system  
**Phone/Data Systems:**  
**Miscellaneous:**
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**Arthur Kill Correctional Building # 31 – Storage Warehouse**

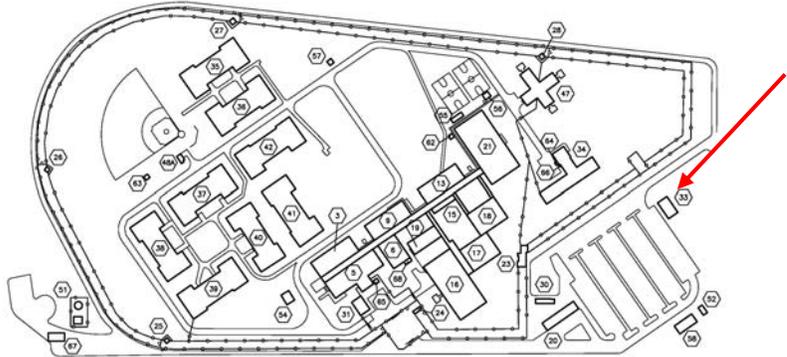


**Size:** 2,604 gross square feet, one floor, and no basement

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- Uses:** Storage
- Heating:** Hot water is provided from site wide distribution system. Fin tube radiation/cabinet unit heaters/air handler
- DHW:** Domestic heat exchanger off facility loop
- Water:** Underground site distribution
- Sanitary:** Facility site
- Electrical:** Facility site distribution with emergency generator backup
- Ventilation:** Mechanical exhaust and make-up air handler
- Refrigeration:**
- Emergency Systems:** Central site wide alarm system/standpipe system
- Phone/Data Systems:** Facility phone
- Miscellaneous:**
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### Arthur Kill Correctional Building # 33 – QWL Building

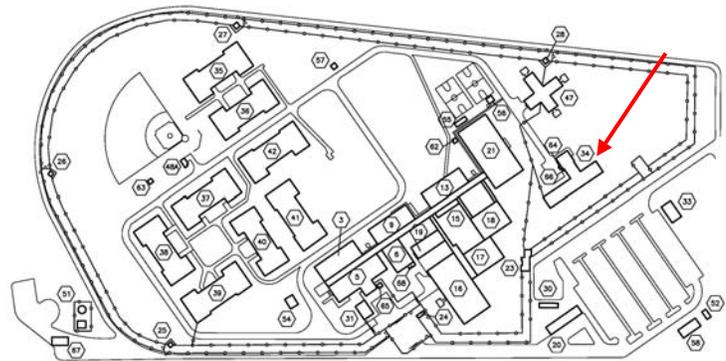


**Size:** 2,800 gross square feet, one floor, and no basement

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- Uses:** Quality work life  
**Heating:** Natural gas fired furnace  
**DHW:** Electric  
**Water:** Underground site distribution  
**Sanitary:** Facility site  
**Electrical:** Facility site distribution with emergency generator backup  
**Ventilation:**  
**Refrigeration:** 100 percent air conditioned space  
**Emergency Systems:** Central site wide alarm system/standpipe system  
**Phone/Data Systems:** Facility phone  
**Miscellaneous:**
-

**Arthur Kill Correctional Building #34 – Medical Infirmary**



**Size:** 9,684 gross square feet, one floor, and no basement

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**Uses:**

**Heating:** Hot water is provided from site wide underground distribution system. Fin tube radiation/cabinet unit heaters/air handler

**DHW:** Domestic heat exchanger off facility loop

**Water:** Underground site distribution

**Sanitary:** Facility site

**Electrical:** Facility site distribution with emergency generator backup

**Ventilation:** Mechanical exhaust and make-up air handler

**Refrigeration:**

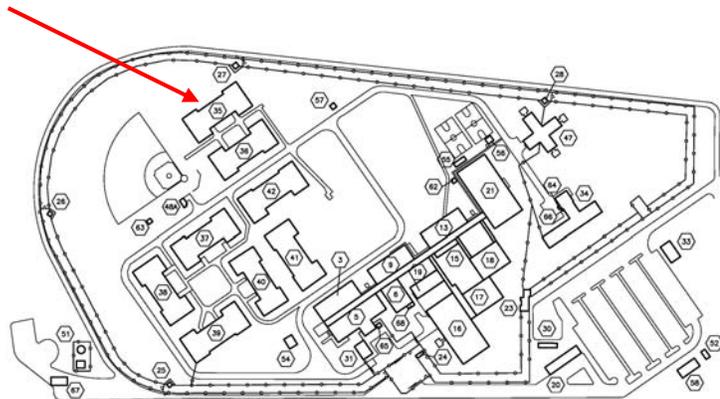
**Emergency Systems:** Central site wide alarm system/standpipe system

**Phone/Data Systems:** Facility phone

**Miscellaneous:** Washers/dryers/chemical injection system for washers

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### Arthur Kill Correctional Building # 35 Inmate Housing H

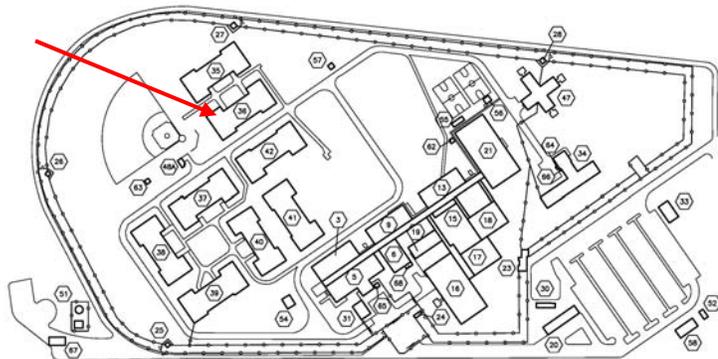


**Size:** 15,960 gross square feet, one floor, and no basement

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- Uses:** Inmate housing
- Heating:** Hot water is provided from site wide underground distribution system. Fin tube radiation/cabinet unit heaters/air handler
- DHW:** Domestic heat exchanger off facility loop
- Water:** Underground site distribution
- Sanitary:** Facility site
- Electrical:** Facility site distribution with emergency generator backup
- Ventilation:** Mechanical exhaust and make-up air handler
- Refrigeration:**
- Emergency Systems:** Central site wide alarm system/standpipe system
- Phone/Data Systems:** Facility phone
- Miscellaneous:** Washers/dryers/chemical injection system for washers
-

**Arthur Kill Correctional Building # 36 - Inmate Housing G**



**Size:** 16,085 gross square feet, one floor, and no basement

---

**Uses:** Inmate housing

**Heating:** Hot water is provided from site wide underground distribution system. Fin tube radiation/cabinet unit heaters/air handler

**DHW:** Domestic heat exchanger off facility loop

**Water:** Underground site distribution

**Sanitary:** Facility site

**Electrical:** Facility site distribution with emergency generator backup

**Ventilation:** Mechanical exhaust and make-up air handler

**Refrigeration:**

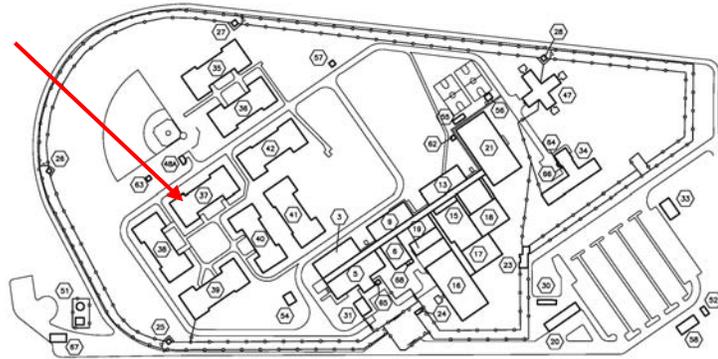
**Emergency Systems:** Central site wide alarm system/standpipe system

**Phone/Data Systems:** Facility phone

**Miscellaneous:** Washers/dryers/chemical injection system for washers

---

### Arthur Kill Correctional Building # 37- Inmate Housing F



**Size:** 16,085 gross square feet, one floor, and no basement

---

**Uses:** Inmate housing

**Heating:** Hot water is provided from site wide underground distribution system. Fin tube radiation/cabinet unit heaters/air handler

**DHW:** Domestic heat exchanger off facility loop

**Water:** Underground site distribution

**Sanitary:** Facility site

**Electrical:** Facility site distribution with emergency generator backup

**Ventilation:** Mechanical exhaust and make-up air handler

**Refrigeration:**

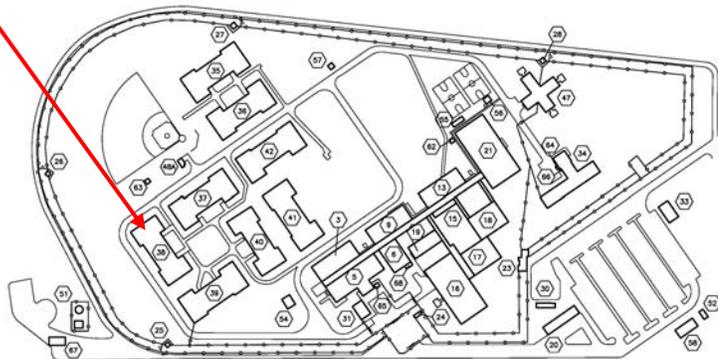
**Emergency Systems:** Central site wide alarm system/ Standpipe system

**Phone/Data Systems:** Facility Phone

**Miscellaneous:** Washers/dryers/chemical injection system for washers

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**Arthur Kill Correctional Building # 38 – Inmate Housing E**



**Size:** 16,085 gross square feet, one floor, and no basement

---

**Uses:** Inmate housing

**Heating:** Hot water is provided from site wide underground distribution system. Fin tube radiation/cabinet unit heaters/air handler

**DHW:** Domestic heat exchanger off facility loop

**Water:** Underground site distribution

**Sanitary:** Facility site

**Electrical:** Facility site distribution with emergency generator backup

**Ventilation:** Mechanical exhaust and make-up air handler

**Refrigeration:**

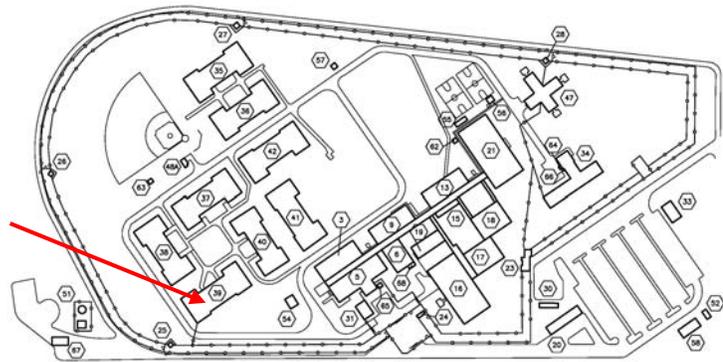
**Emergency systems:** Central site wide alarm system/standpipe system

**Phone/Data Systems:** Facility phone

**Miscellaneous:** Washers/dryers/chemical injection system for washers

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**Arthur Kill Correctional Building # 39 – Inmate Housing D**



**Size:** 16,574 gross square feet, one floor, and no basement

---

**Uses:** Inmate housing

**Heating:** Hot water is provided from site wide underground distribution system. Fin tube radiation/cabinet unit heaters/air handler

**DHW:** Domestic heat exchanger off facility loop

**Water:** Underground site distribution

**Sanitary:** Facility site

**Electrical:** Facility site distribution with emergency generator backup

**Ventilation:** Mechanical exhaust and make-up air handler

**Refrigeration:**

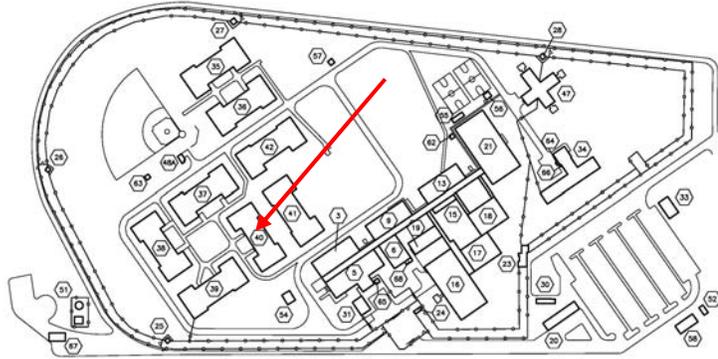
**Emergency Systems:** Central site wide alarm system/standpipe system

**Phone/Data Systems:** Facility phone

**Miscellaneous:** Washers/dryers/chemical injection system for washers

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**Arthur Kill Correctional Building # 40 – Inmate Housing C**



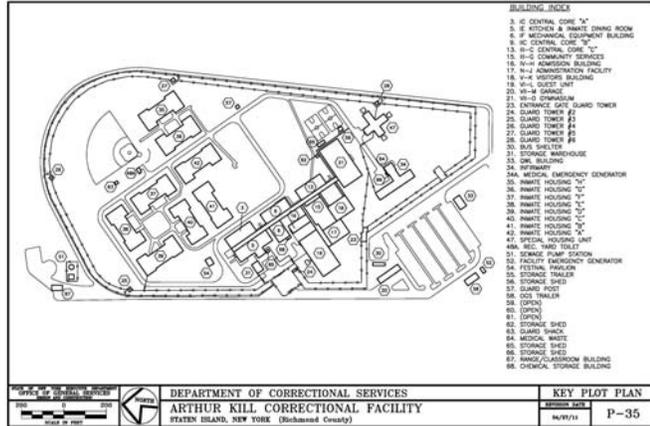
**Size:** 16,574 gross square feet, one floor, and no basement

---

**Uses:** Inmate housing  
**Heating:** Hot water is provided from site wide underground distribution system. Fin tube radiation/cabinet unit heaters/air handler  
**DHW:** Domestic heat exchanger off facility loop  
**Water:** Underground site distribution  
**Sanitary:** Facility site  
**Electrical:** Facility site distribution with emergency generator backup  
**Ventilation:** Mechanical exhaust and make-up air handler  
**Refrigeration:**  
**Emergency Systems:** Central site wide alarm system/standpipe system  
**Phone/Data Systems:** Facility phone  
**Miscellaneous:** Washers/dryers/chemical injection system for washers

---

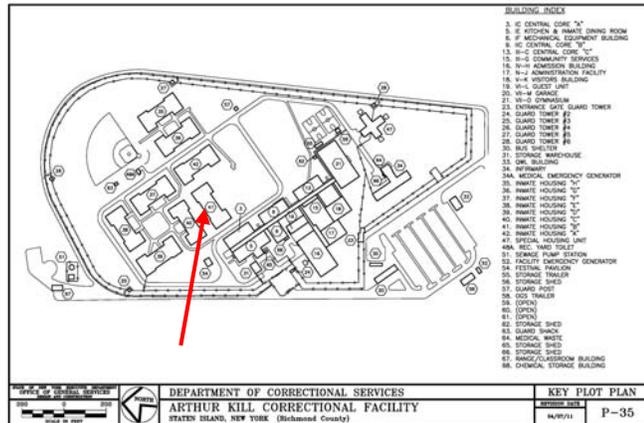
**Arthur Kill Correctional Building # 41– Inmate Housing B**



**Size:** 16,638 gross square feet, one floor, and no basement

- Uses:** Inmate housing
- Heating:** Hot water is provided from site wide underground distribution system. Fin tube radiation/cabinet unit heaters/air handler
- DHW:** Domestic heat exchanger off facility loop
- Water:** Underground site distribution
- Sanitary:** Facility site
- Electrical:** Facility site distribution with emergency generator backup
- Ventilation:** Mechanical exhaust and make-up air handler
- Refrigeration:**
- Emergency Systems:** Central site wide alarm system/standpipe system
- Phone/Data Systems:** Facility phone
- Miscellaneous:** Washers/dryers/chemical injection system for washers

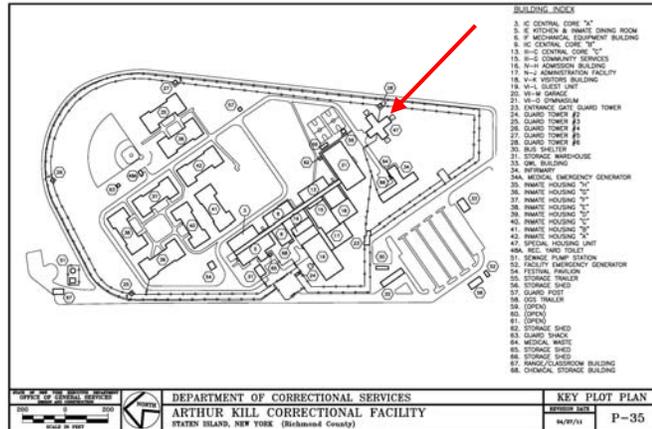
### Arthur Kill Correctional Building # 42 – Inmate Housing A



**Size:** 16,638 gross square feet, one floor, and no basement

- 
- Uses:** Inmate housing
- Heating:** Hot water is provided from site wide underground distribution system. Fin tube radiation/cabinet unit heaters/ Air Handler
- DHW:** Domestic heat exchanger off facility loop
- Water:** Underground site distribution
- Sanitary:** Facility site
- Electrical:** Facility site distribution with emergency generator backup
- Ventilation:** Mechanical exhaust and make-up air handler
- Refrigeration:**
- Emergency Systems:** Central site wide alarm system/standpipe system
- Phone/Data Systems:** Facility phone
- Miscellaneous:** Washers/dryers/chemical injection system for washers
-

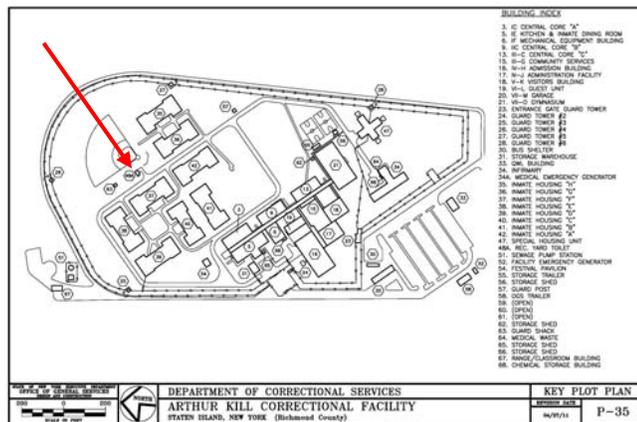
### Arthur Kill Correctional Building # 47 - Special Housing



**Size:** 8,430 gross square feet , one floor, and no basement

- Uses:** Inmate housing
- Heating:** Hot water is provided from site wide underground distribution system. Fin tube radiation/cabinet unit heaters/air handler
- DHW:** Domestic heat exchanger off facility loop
- Water:** Underground site distribution
- Sanitary:** Facility site
- Electrical:** Facility site distribution with emergency generator backup
- Ventilation:** Mechanical exhaust and make-up air handler
- Refrigeration:**
- Emergency Systems:** Central site wide alarm system/standpipe system
- Phone/Data Systems:** Facility phone
- Miscellaneous:** Washers/dryers/chemical injection system for washers

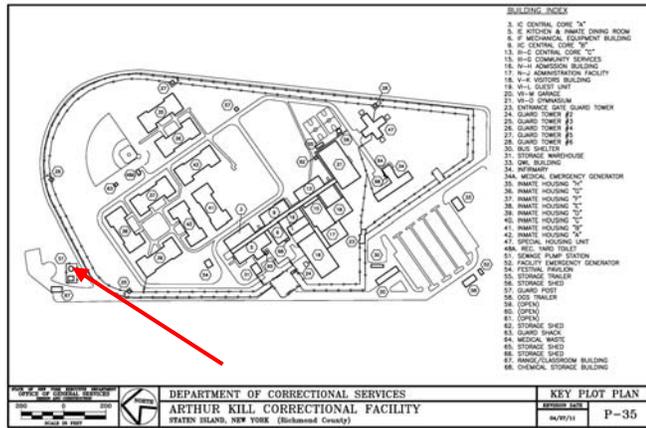
### Arthur Kill Correctional Building # 48A - Recreation Yard Restroom



**Size:** 148 gross square feet, one floor, and no basement

- 
- Uses:** Restroom facility for inmate use
  - Heating:** Electric
  - DHW:** Electric
  - Water:** Underground site distribution
  - Sanitary:** Facility site
  - Electrical:** Facility site distribution with emergency generator backup
  - Ventilation:** Mechanical
  - Refrigeration:** None
  - Emergency Systems:** None
  - Phone/Data Systems:** None
  - Miscellaneous:**
-

**Arthur Kill Correctional Building # 51 - Sewage Pump Station**



**Size:** 144 gross square feet, one floor, and no basement

**Uses:** Sewage pumping station, no building located here (all equipment)

**Heating:**

**DHW:**

**Water:** Underground site distribution

**Sanitary:** Facility site

**Electrical:** Facility site distribution with emergency generator backup

**Ventilation:**

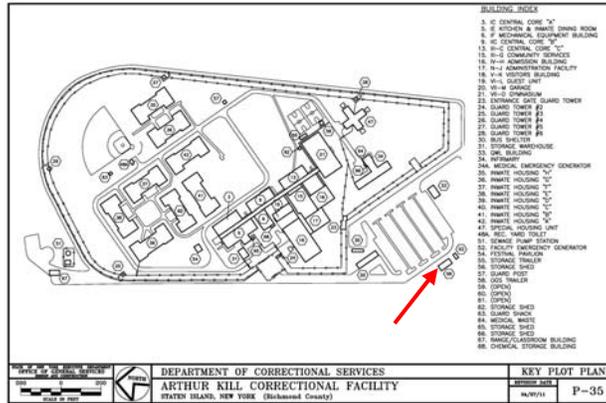
**Refrigeration:**

**Emergency Systems:**

**Phone/Data Systems:**

**Miscellaneous:**

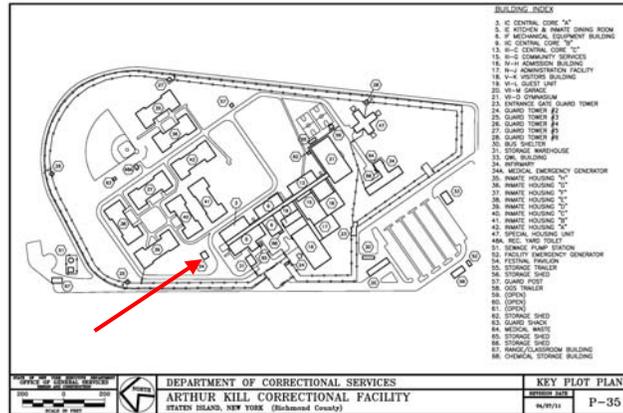
### Arthur Kill Correctional Building # 52 - Emergency Generator



**Size:** 335 gross square feet, one floor, and no basement

- 
- Uses:** Facility emergency generator
  - Heating:** Electric
  - DHW:** None
  - Water:** None
  - Sanitary:** None
  - Electrical:** Facility site distribution with emergency generator backup
  - Ventilation:** Mechanical
  - Refrigeration:** None
  - Emergency Systems:** None
  - Phone/Data Systems:** None
  - Miscellaneous:**
-

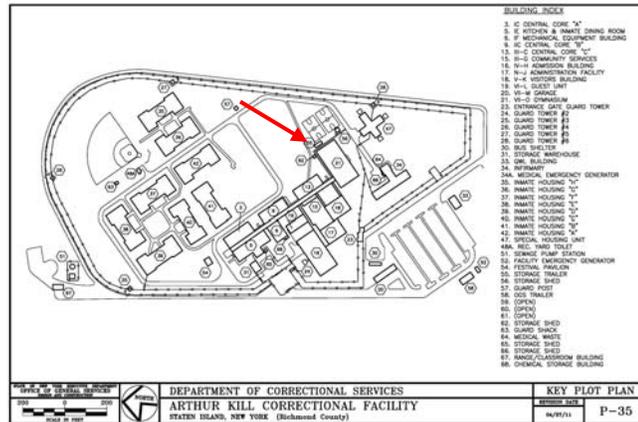
**Kill Correctional Building # 54 - Festival Pavilion**



**Size:** 110 gross square feet, one floor, and no basement

- Uses:** Pavilion shelter
- Heating:** None
- DHW:** None
- Water:** None
- Sanitary:** None
- Electrical:** None
- Ventilation:** None
- Refrigeration:** None
- Emergency Systems:** None
- Phone/Data Systems:** None
- Miscellaneous:** None

**Arthur Kill Correctional Building # 55 - Storage Trailer**



**Size:** 180 gross square feet, one floor, and no basement

---

**Uses:** Storage

**Heating:** Electric

**DHW:**

**Water:**

**Sanitary:**

**Electrical:** Facility site distribution with emergency generator backup

**Ventilation:**

**Refrigeration:** Window AC

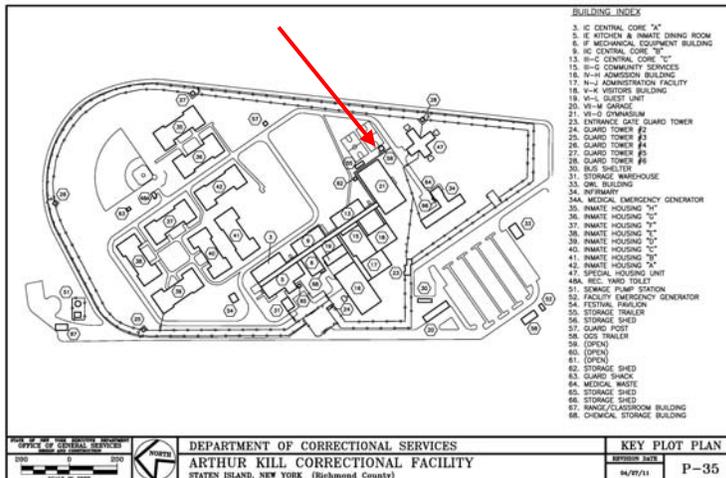
**Emergency Systems:**

**Phone/Data Systems:**

**Miscellaneous:**

---

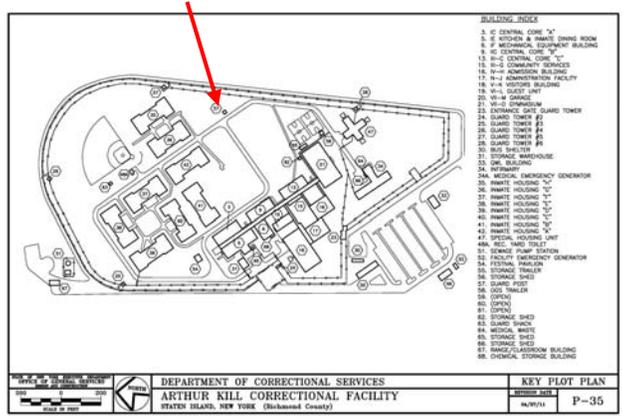
### Arthur Kill Correctional Building # 56 - Storage Shed



**Size:** 75 gross square feet, one floor, and no basement

**Uses:** Storage  
**Heating:** None  
**DHW:** None  
**Water:** None  
**Sanitary:** None  
**Electrical:** None  
**Ventilation:** None  
**Refrigeration:** None  
**Emergency Systems:** None  
**Phone/Data Systems:** None  
**Miscellaneous:** None

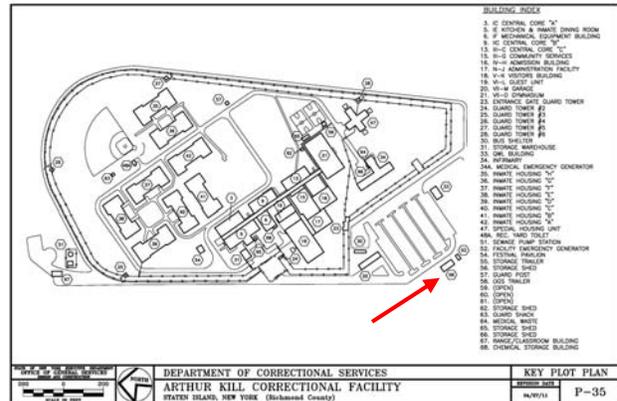
**Arthur Kill Correctional Building # 57 - Guard Post**



**Size:** 30 gross square feet, one floor, and no basement

- Uses:** Correction officer protection unit
- Heating:** Electric
- DHW:** None
- Water:** None
- Sanitary:** None
- Electrical:** Facility site distribution with emergency generator backup
- Ventilation:** None
- Refrigeration:** None
- Emergency Systems:** None
- Phone/Data Systems:** None
- Miscellaneous:** None

**Arthur Kill Correctional Building # 58 - OGS Trailer**

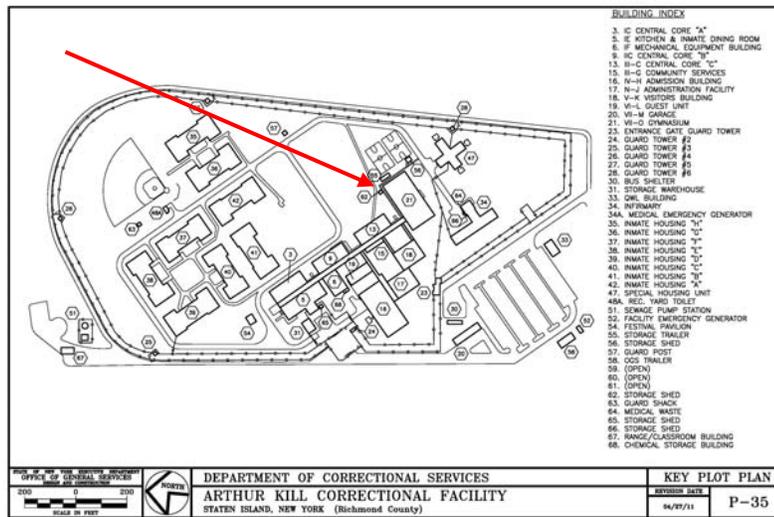


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**Size:** 192 gross square feet, one floor, and no basement

- Uses:** OGS office for construction
- Heating:** Electric
- DHW:** Electric
- Water:** Underground site distribution
- Sanitary:** Facility site
- Electrical:** Facility site distribution with emergency generator backup
- Ventilation:** None
- Refrigeration:** None
- Emergency Systems:** None
- Phone/Data Systems:** None
- Miscellaneous:** None

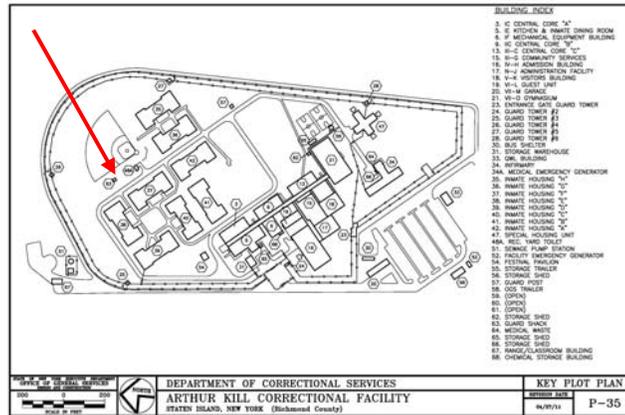
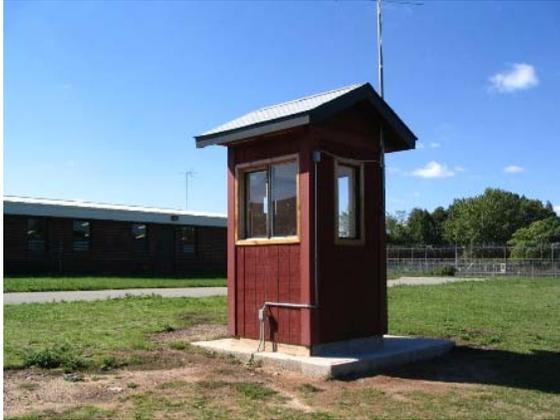
### Arthur Kill Correctional Building # 62 - Storage Shed



**Size:** 25 gross square feet, one floor, and no basement

- Uses:** Storage
- Heating:** None
- DHW:** None
- Water:** None
- Sanitary:** None
- Electrical:** None
- Ventilation:** None
- Refrigeration:** None
- Emergency Systems:** None
- Phone/Data Systems:** None
- Miscellaneous:** None

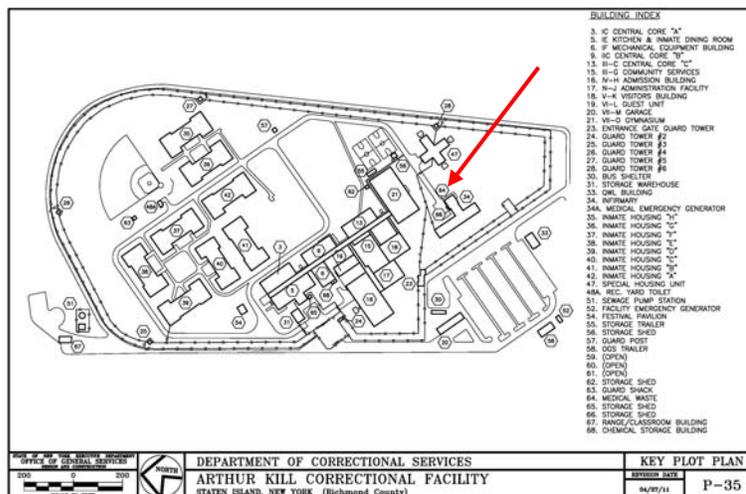
**Arthur Kill Correctional Building # 63 - Guard Shack**



**Size:** 30 gross square feet, one floor, and no basement

- 
- Uses:** Correction officer protection unit
  - Heating:** Electric
  - DHW:** None
  - Water:** None
  - Sanitary:** None
  - Electrical:** Facility site distribution with emergency generator backup
  - Ventilation:** None
  - Refrigeration:** None
  - Emergency Systems:** None
  - Phone/Data Systems:** None
  - Miscellaneous:** None
-

**Arthur Kill Correctional Building # 64 - Medical Waste**



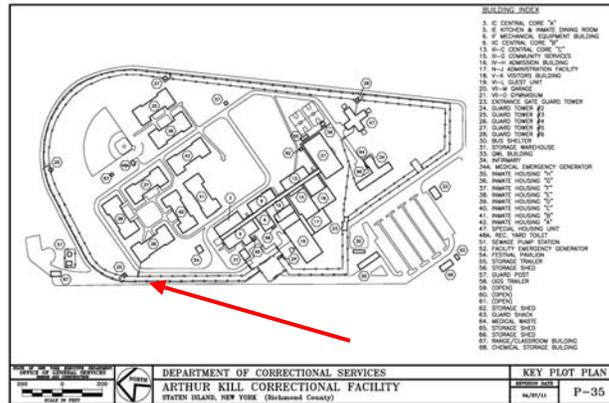
**Size:** 121 gross square feet, one floor, and no basement

- Uses:** Storage medical waste
- Heating:** None
- DHW:** None
- Water:** None
- Sanitary:** None
- Electrical:** None
- Ventilation:** None
- Refrigeration:** None
- Emergency Systems:** None
- Phone/Data Systems:** None
- Miscellaneous:** None





### Arthur Kill Correctional Building # 67 - Range Classroom Building

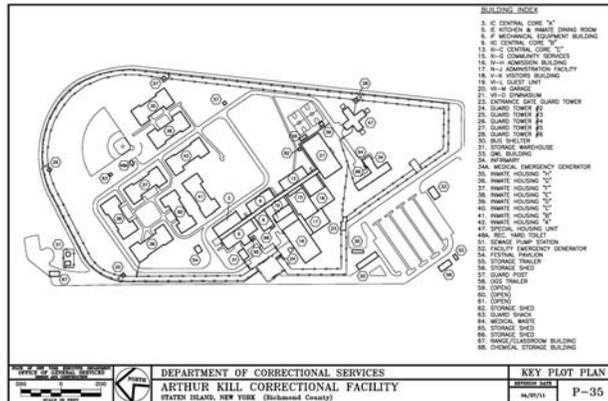


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**Size:** 2,520 gross square feet, one floor, and no basement

- Uses:**
- Heating:** Hot water
- DHW:**
- Water:** Underground site distribution
- Sanitary:** Facility site
- Electrical:** Facility site distribution with emergency generator backup
- Ventilation:** Windows
- Refrigeration:** Window AC
- Emergency Systems:** Central site wide alarm system/standpipe system
- Phone/Data Systems:** Facility phone
- Miscellaneous:** None

### Arthur Kill Correctional Building # 68 - Chemical Storage Building



**Size:** 250 gross square feet, one floor, and no basement

- Uses:** Storage chemicals
- Heating:** None
- DHW:** None
- Water:** None
- Sanitary:** None
- Electrical:** None
- Ventilation:** None
- Refrigeration:** None
- Emergency Systems:** None
- Phone/Data Systems:** None
- Miscellaneous:** None