



Survey and Cost Analysis

**Americans with Disabilities Act Survey for
Northern Nevada Correctional Center**

State of Nevada Public Works Project 13-S02-11

November 20, 2015



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Introduction

H+K Architects (H+K) was engaged by the State of Nevada Public Works Division to produce a survey and cost analysis (“Survey”) to evaluate and identify architectural barriers at Northern Nevada Correctional Center (NNCC) in Carson City, Nevada. H+K is acting as Independent Licensed Architect (ILA). The Survey contains information relative to Title II of the Americans with Disabilities Act and Section 504 of the Rehabilitation Act of 1973.

The basis of design in the correspondence between the Department of Justice and the State of Nevada is the 2010 ADA Standards for Accessible Design, dated September 15, 2010. All buildings that are included in the Survey were completed prior to September 15, 2010. As a result, this document assumes the basis of design for compliance is the 1991 ADA Standards, dated July 26, 1991.

Project Scope

The scope for the Survey is based on the “Settlement Agreement between the United States of America and Northern Nevada Correctional Center, Nevada Department of Corrections under the Americans with Disabilities Act, DJ # 204-46-157.” H+K is under contract with the State of Nevada Public Works Division (Project #13-S02-11) to prepare this document related to the following portions of the settlement agreement:

- 1. Item IV.A.2.: The number of accessible cells and mobility features.
- 2. Item IV.A.4.: The number of tables in housing areas and throughout the grounds.
- 3. Item IV.A.5.: The number of beds in Unit 1 and all dormitories housing inmates with disabilities Assumed to be Units 1, 2, 3, 4, 5, 6, 7A, 7B, 8A, 8B, 10A and 10B.
- 4. Item IV.A.7.: Accessible toilet rooms for visitors in public areas. Assumed to be Visiting building only.
- 5. Item IV.A.9.: Accessible toilet room for inmates in program areas including Gymnasium and Visitation Area.
- 6. Item IV.A.10.: Accessible shower in Mental Health Unit, Unit 4, Unit 7 and all areas that house inmates with disabilities. Assumed to be Units 1, 2, 3, 4, 5, 6, 7A, 7B, 8A, 8B, 10A and 10B.
- 7. Item IV.A.11.: Accessible cells in Structured Care Unit, Mental Health Unit, negative airflow cell in the infirmary, housing units 4 and 7, and all units that house inmates with mobility disabilities.
- 8. Item IV.A.12: Additional cells, showers and toilet rooms, and tables as necessary, in accordance with the 2010 Standards.

Population data was provided to H+K by NNCC staff. The population data was used to determine the thresholds for percentages of compliant elements in each of the scope areas. In every case, the desire was to exceed the minimum requirements directed by the settlement agreement and the ADA Standards.

Special attention was paid to Section 232 “Detention Facilities and Correctional Facilities” of the 2010 ADA Standards. Every effort was made to insure that holding cells, housing cells and related elements are fully compliant and exceed the minimum percentages of that Section.

Methodology

H+K Architects performed on site investigation of each building during August 2015. This survey is based on that field investigation. The existing conditions of the rooms and components noted in the scope were measured and documented in notes, sketches and photographs. The field work has been summarized into descriptions of existing conditions and proposed alterations that will bring about compliance.

The Survey

The Survey uses a combination of spreadsheets, building plans and photographs to present the existing conditions and proposed compliance alternations. The narrative section on each building contains descriptions of each of the scope components that are applicable. The narrative is supported by two spreadsheets that have the records of the measurements taken in the field. The Toilet Room Compliance and Shower Compliance spreadsheets contain the various requirements for elements and how the existing conditions respond to the requirements. Cells highlighted in red in the spreadsheets indicate a non-compliant element. In some cases, such as the inmate cells, existing plumbing fixtures are non-compliant in their current condition. In these cases, the fixtures do not meet basic requirements such as knee space, grab bars, or similar. For these conditions the spreadsheet contains a statement that the elements are not compliant and detailed measurements are not included.

The spreadsheets are intended for comparison of measurements and dimensions of elements relative to their respective requirements. Individual rooms are presented in floor plans to show how the overall space and its specific elements compare to the requirements. Where applicable, clear spaces and access requirements for elements are noted on the plans.

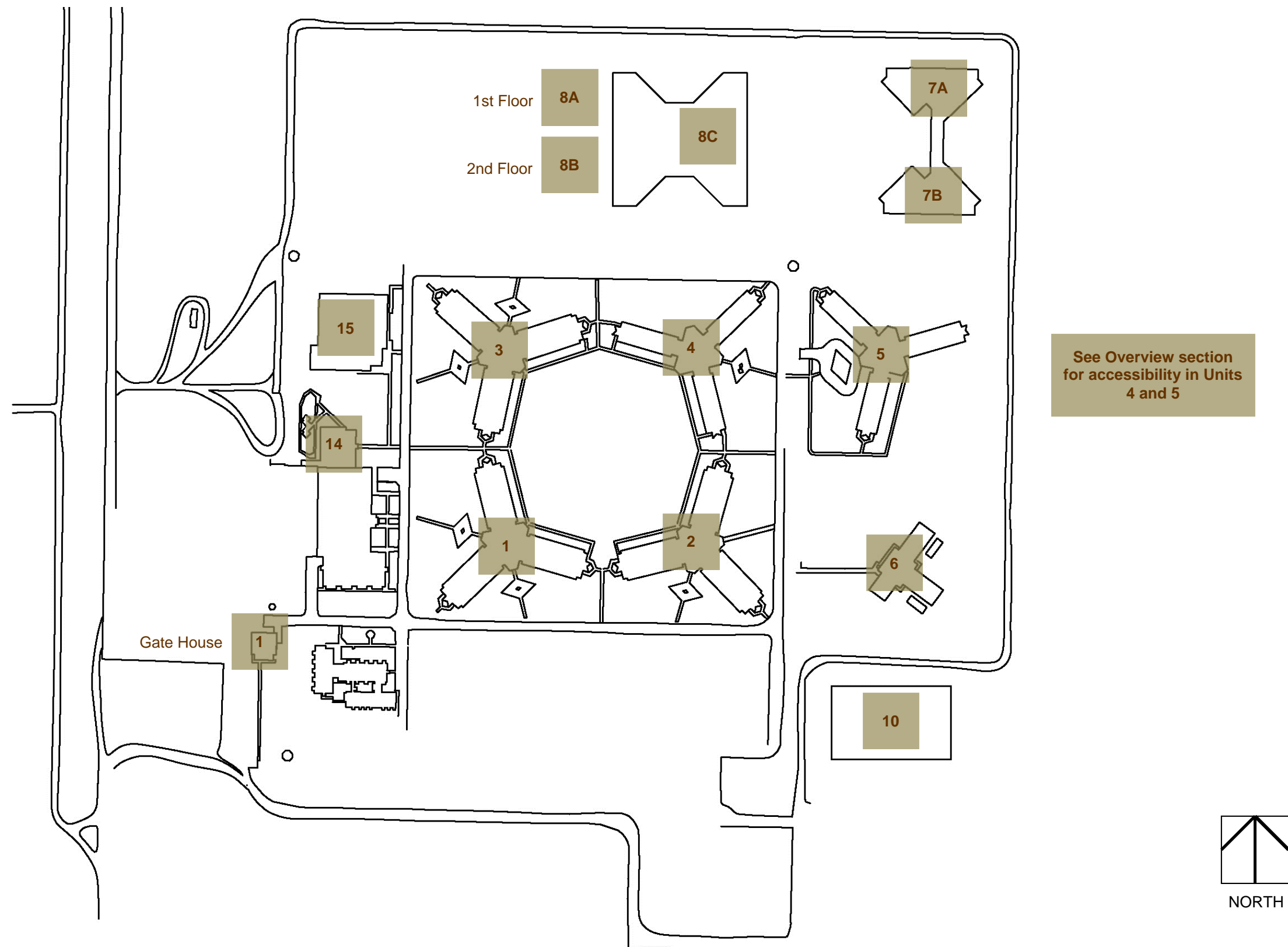
The cost analysis portion of the Survey contains more detailed data on components and building system alteration required to provide compliance. Although the costs are at a conceptual level, the line item costs are intended to provide a more detailed list of what each room or spaces requires in terms of alteration work.

Cost Analysis

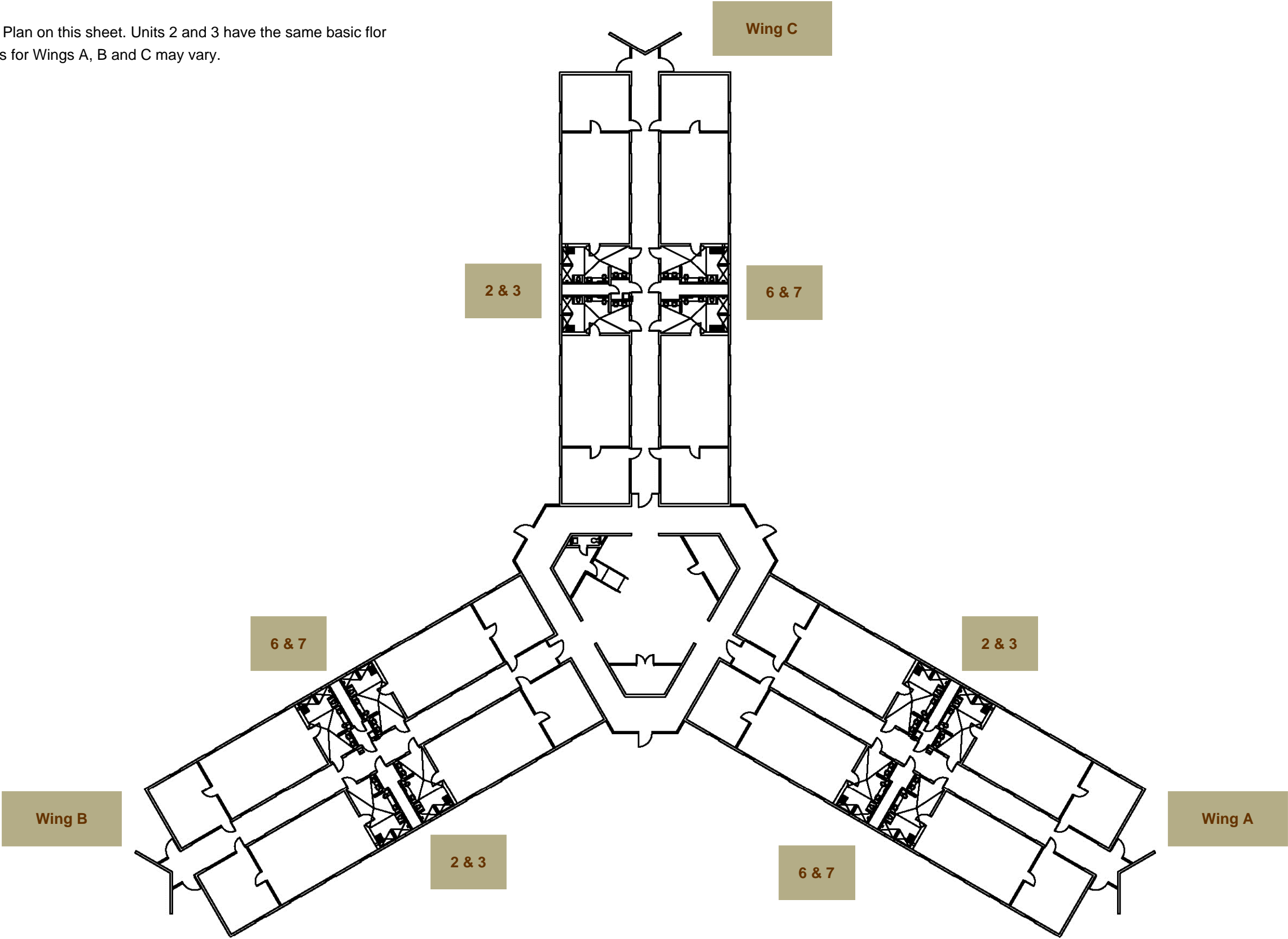
The costs in the Survey are presented in October 2015 dollars. No escalation or inflation is included. The method of delivery is not known at the time of publication. As a result, the cost analysis assumes all work will be done as one project. The cost analysis assumes a 9 month construction period with associated overhead and profit amounts indicated. In light of the conceptual nature of the cost data, the cost analysis includes a 20% design contingency for unforeseen conditions. Should the project be delivered in smaller increments, unit costs for materials, direct & indirect project costs and overall project costs may change.

Accessibility in Units 4 and 5

Units 4 and 5 are not proposed to be altered for accessibility compliance. The Department of Corrections will manage the inmates housed in these units through policy and procedures and inmates with disabilities will not be placed in those units.



Unit 1 is shown in the Key Plan on this sheet. Units 2 and 3 have the same basic floor plan, but the wing locations for Wings A, B and C may vary.



UNITS 1, 2 AND 3

Units 1, 2 and 3 are of a very similar design. The Toilet Rooms and Showers are similar in configuration. The required accessible improvements are noted below. Specific information on scope is included in the cost analysis.

Units 1, 2 and 3 are dormitory-type inmate cells. Since accessibility compliance in the housing rooms will be determined by furniture, such as beds, evaluation is not included in this study. NNCC will facilitate compliance in the inmate housing rooms.

Based on population data as of April 15, 2015, each unit has the following population of inmates that use walkers, wheelchairs and/or canes:

Unit 1 Current Population Percentage with Accessibility Needs	34%
Unit 2 Current Population Percentage with Accessibility Needs	28%
Unit 3 Current Population Percentage with Accessibility Needs	81%

1. Showers

Unit 1 Showers

Current Showers	8 showers per wing
Current Accessible Showers	0 showers per wing
Current Accessible Percentage	0%
Proposed Showers	8 showers per wing (24 total)
Proposed Accessible Showers	8 showers per wing (24 total)
Proposed Accessible Percentage	100%

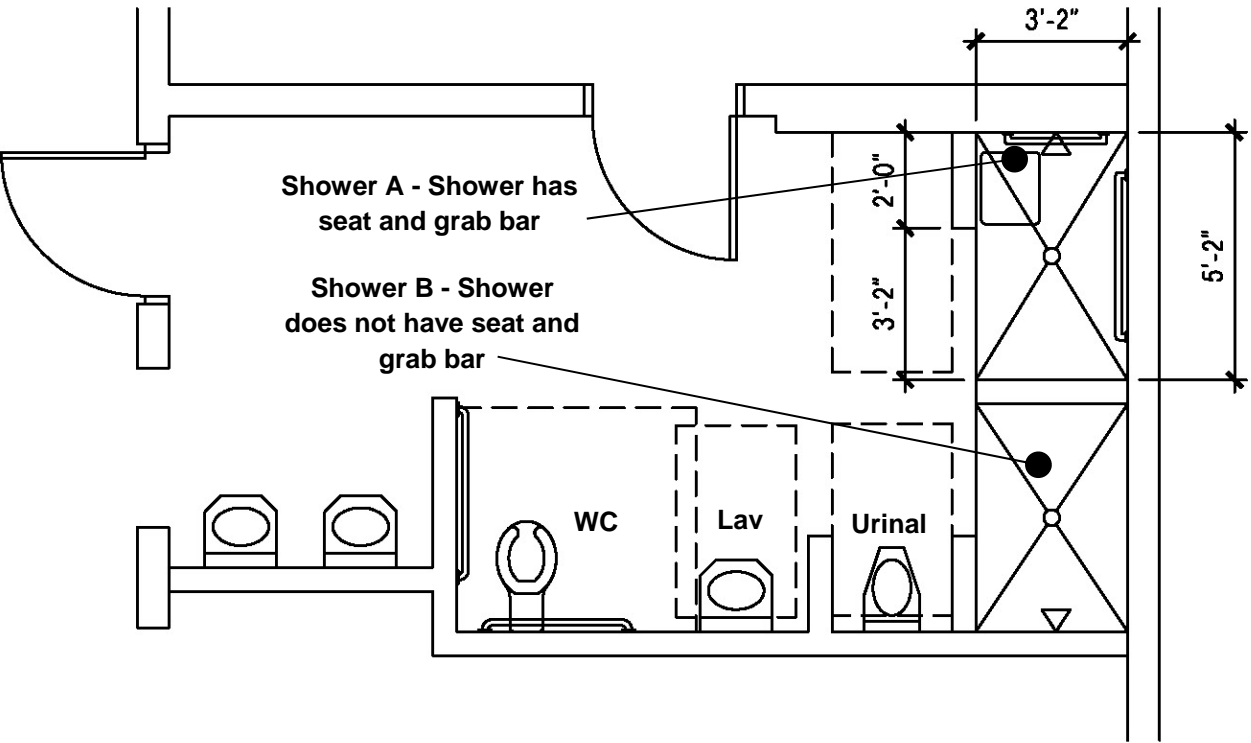
Unit 2 Showers

Current Showers	8 showers per wing
Current Accessible Showers	0 showers per wing
Current Accessible Percentage	0%
Proposed Showers	8 showers per wing (24 total)
Proposed Accessible Showers	4 showers per wing (12 total)
Proposed Accessible Percentage	50%

In Unit 1, Toilet Rooms 2, 3, 6 and 7 of each wing have a roll-in shower stall which has a compliant space configuration and is on an accessible route. Each roll-in shower has the required clear floor space in front of the shower. The shower configuration is the Alternate Roll-in Type Shower (ADA Standards Figure 608.2.3). The shower space has the front wall of a compliant length and compliant entry width. While each shower is of a compliant configuration and size, some components in each shower either do not currently exist or are not compliant and need to be replaced. Unit 2 has two showers developed to this level. Unit 3 has no showers developed to this level. The scope for each toilet room is noted below and in the cost analysis.

Unit 1 has 6 showers and Unit 2 has 2 showers that have recently been upgraded. These showers have stainless steel wall covering, grab bars, shower seats and updated wall coatings. These 8 showers are referenced as Shower A in the cost analysis. The remainder of the showers in Units 1, 2 and 3 have not been recently been upgraded. They will be remodeled in the same manner Shower A has been upgraded. The urinals adjacent to these showers also require new epoxy wall coating in the majority of the rooms. These 64 showers are referenced as Shower B in the cost analysis.

- a.
 Spray unit
- The showers have spray hoses that are checked out through the staff. The hoses were not on most of the spray outlets. Proposed compliance is to install a new panel with a fixed shower heads at 48" and 72" above the floor with hot and cold push buttons for each shower head. This will eliminate the need for inmates to check out a shower hose and reduce maintenance costs.



Unit 1, 2 or 3 Toilet Room Plan
 1/4"=1'-0"

UNITS 1, 2 AND 3

- b. Shower seat

None of the showers have a compliant seat. A new seat has been included for each shower. The drawings and cost analysis assume a Bobrick B-5192 Folding Seat.
- c. Grab bars

Shower A has compliant grab bars. Shower B has compliant grab bars, which need to be removed and re-installed for the stainless steel wall covering.
- d. Stainless steel wall covering.

The recent shower remodel project included stainless steel wall covering in the shower stalls. NNCC staff has asked that future shower remodel projects include stainless steel wainscoting. Unit 1 has 6 showers with stainless steel covering. Unit 2 has 2 showers with stainless steel wall covering. The remainder of the showers in Units 1 and 2, along with all toilet rooms in Units 3, do not have stainless steel wall covering. Stainless steel wall covering is not an accessibility component, but is included in the cost analysis for durability.

2. Lavatories

Toilet Rooms 2, 3, 6 and 7 of each wing in Units 1, 2 and 3 have one three lavatories in the room. The lavatory adjacent to the water closet is compliant, unless noted on the Toilet Room Compliance spreadsheet. The other two lavatories in each room are not compliant. They need to have their height adjusted as noted in the cost analysis.

Unit 1 Lavatories

Current Lavatories	12 lavatories per wing
Current Accessible Lavatories	4
Current Accessible Percentage	25%
Proposed Lavatories	12 lavatories per wing
Proposed Accessible Lavatories	12
Proposed Accessible Percentage	100%

Unit 2 Lavatories

Current Lavatories	12 lavatories per wing
Current Accessible Lavatories	4
Current Accessible Percentage	25%
Proposed Lavatories	12 lavatories per wing
Proposed Accessible Lavatories	6
Proposed Accessible Percentage	50%

Unit 3 Lavatories

Current Lavatories	12 lavatories per wing
Current Accessible Lavatories	4
Current Accessible Percentage	25%
Proposed Lavatories	12 lavatories per wing
Proposed Accessible Lavatories	12
Proposed Accessible Percentage	100%



PHOTOS – top to bottom

- Entry into Unit 1 Wing B Room 3 accessible shower (Shower A)
- Shower control panel in Unit 1 Wing B Room 3 shower (Shower A)



3. Water Closets

Toilet Rooms 2, 3, 6 and 7 of each wing in Units 1, 2 and 3 have one water closet in the room. The water closet is compliant, unless noted on the Toilet Room Compliance spreadsheet.

4. Urinals

Toilet Rooms 2, 3, 6 and 7 of each wing in Units 1, 2 and 3 have one urinal in the room. The urinal is compliant, unless noted on the Toilet Room Compliance spreadsheet.

5. Flooring

New epoxy flooring is only proposed in the accessible shower area. The existing flooring will remain in the remainder of the Toilet Room.

6. Telephone

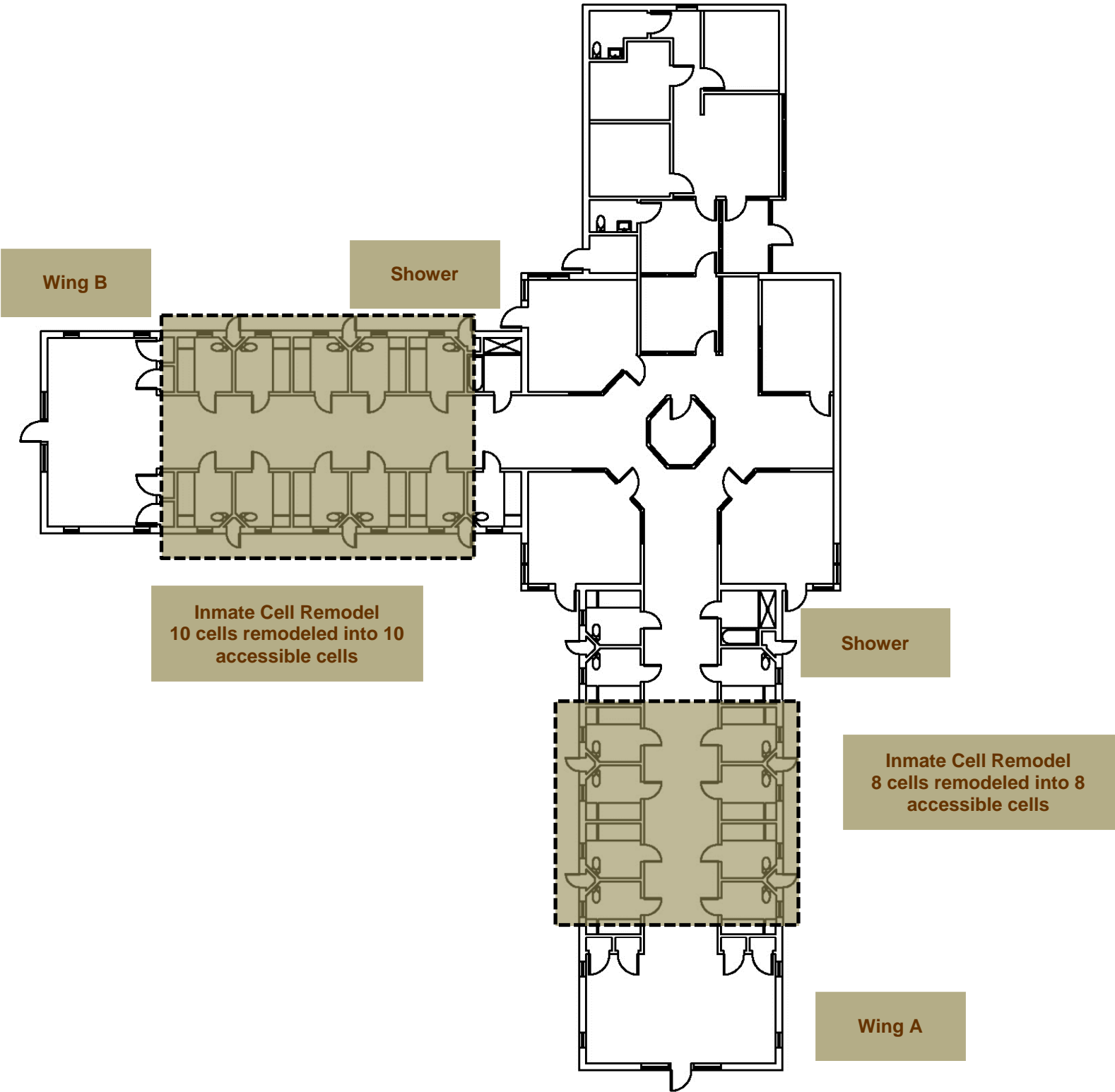
There is a public telephone in the center common area. The highest operable part of the telephone is 50 inches above the floor. The telephone allows for side reach, which has a 54” maximum height. The telephone is not a protruding object, as it does not extend more than 4 inches from the wall. The telephone does not appear to be hearing aid compatible, nor does it appear to have volume controls. Since there is only one telephone in the building, a text telephone is not required. As the telephone is equipment, as opposed to building construction, replacement is not included in this survey. Further discussion is recommended for this item.

7. Interactive Panel

There is an interactive panel in the center common area. This panel is used by inmates for transactions and account management. The panel is a touch screen and the highest operable part is 50” above the floor. The panel allows for side reach, which has a 54” maximum height. The panel is not a protruding object, as it does not extend more than 4 inches from the wall.

PHOTOS - left to right

- Accessible water closet (typical at all Toilet Rooms)
- Entry into Unit 2 Wing B Room 7 accessible shower (Shower B)
- Urinal (clear space is typical in all Units). Unit 1 urinals have new epoxy wall coating. Other urinal stalls without epoxy wall coating will have new epoxy wall coating.



UNIT 6

Unit 6 has two wings of similar configuration. The required accessible improvements are noted below. Specific information on scope is included in the cost analysis.

Each wing has a shower room with a shower and a tub. The showers have a curb and are not compliant. The shower fixtures are also non-compliant. The tubs are no longer used and have been abandoned in place. The proposed compliance solution has a new roll-in shower. The shower has a wing wall with a seat. Proposed compliance is to install a new panel with a fixed shower heads at 48” and 72” above the floor with hot and cold push buttons for each shower head.

The existing inmate cells do not currently have adequate space for accessibility compliance, nor do they have accessible plumbing fixtures. The proposed reconfiguration is to remove the demising wall between 2 cells and create a larger cell that meets accessibility requirements. This new cell would have a compliant toilet and lavatory in a new institutional grade fixture. The drawings and cost analysis assume a Willoughby Industries 1545 Series Accessible Toilet/Lavatory Combination Unit.

The inmate cells currently have a desk in each cell. The new cell plan does not allow for a desk in the cell. Accessible cells are required to contain the same features as other cells for inmates housed at the same classification level. As a result, the scope and cost analysis assume the desks will be removed in all cells in Unit 6.

Based on population data as of April 15, 2015, Unit 6 has the following population of inmates that use walkers, wheelchairs and/or canes:

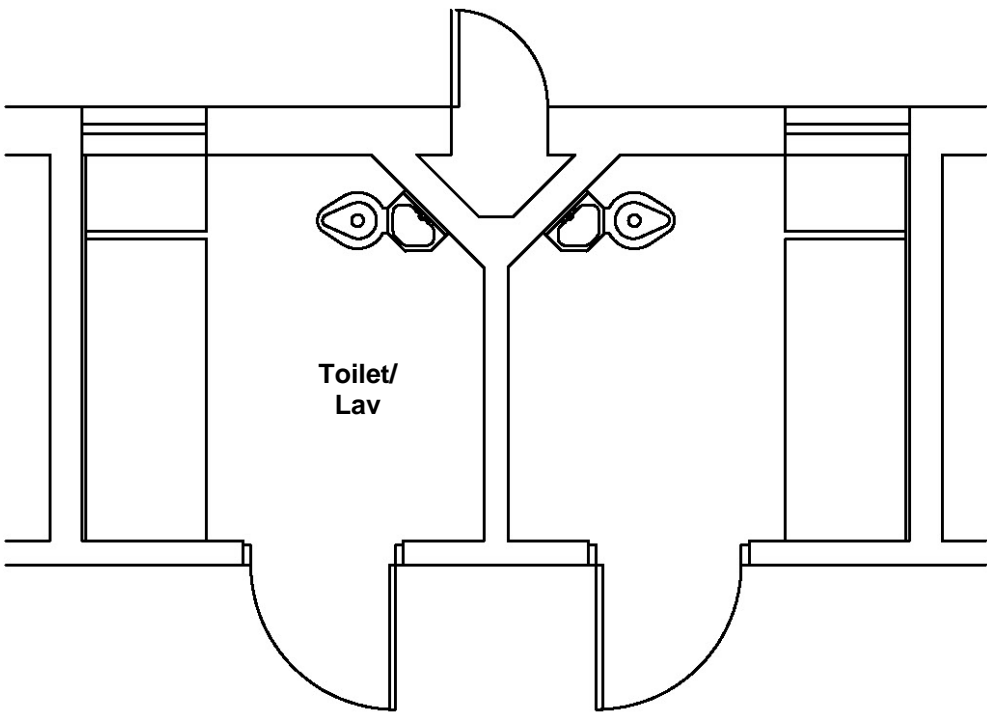
Current Population Percentage with Accessibility Needs 14%

1. Wings A and B Shower

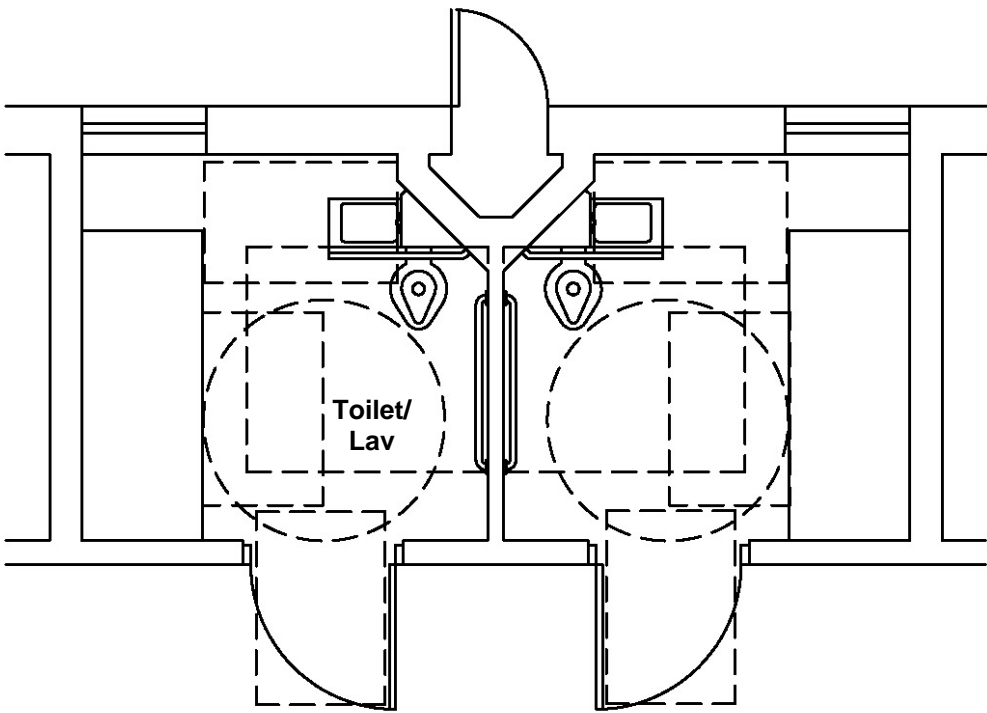
Current Showers	2 showers
Current Accessible Showers	0 showers
Current Accessible Percentage	0%
Proposed Showers	2 showers
Proposed Accessible Showers	2 showers
Proposed Accessible Percentage	100%

2. Inmate Cells

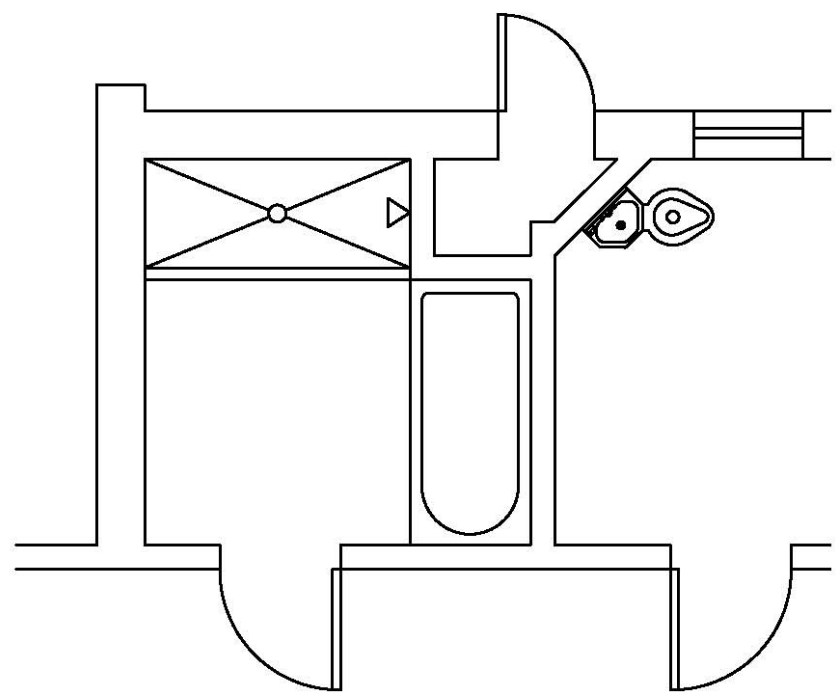
Current Cells	30
Current Capacity	60
Current Accessible Cells	0
Current Accessible Capacity Percentage	0%
Proposed Cells	30
Proposed Accessible Cells (1-person)	18
Proposed Accessible Beds	18
Proposed Non-Accessible Cells (2-person)	12
Proposed Non-Accessible Beds	24
Proposed Capacity	42
Proposed Accessible Capacity Percentage	42.9%



Unit 6 Inmate Cell Existing Plan
1/4"=1'-0"



Unit 6 Accessible Cell Proposed Plan
1/4"=1'-0"



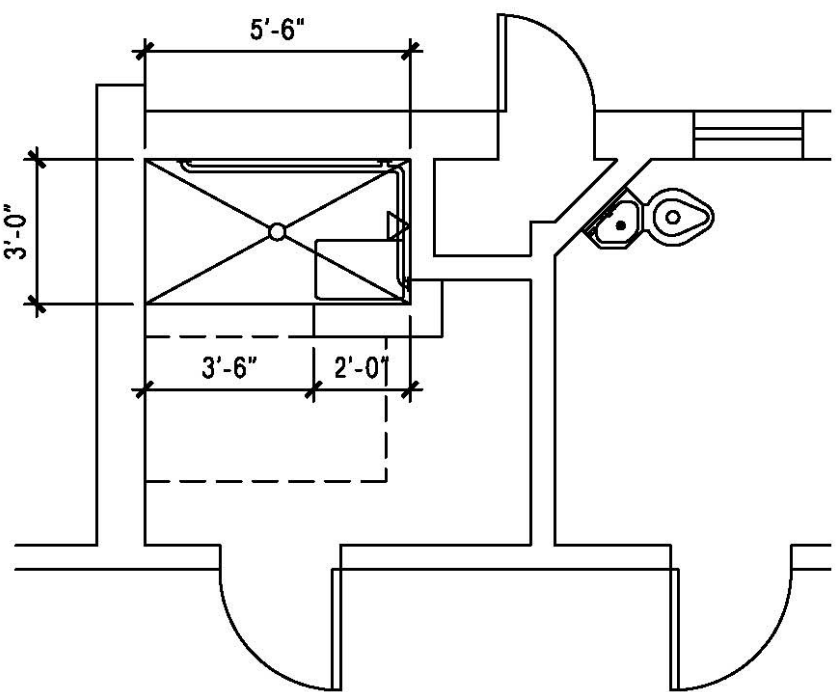
Unit 6 Shower Existing Plan
1/4"=1'-0"

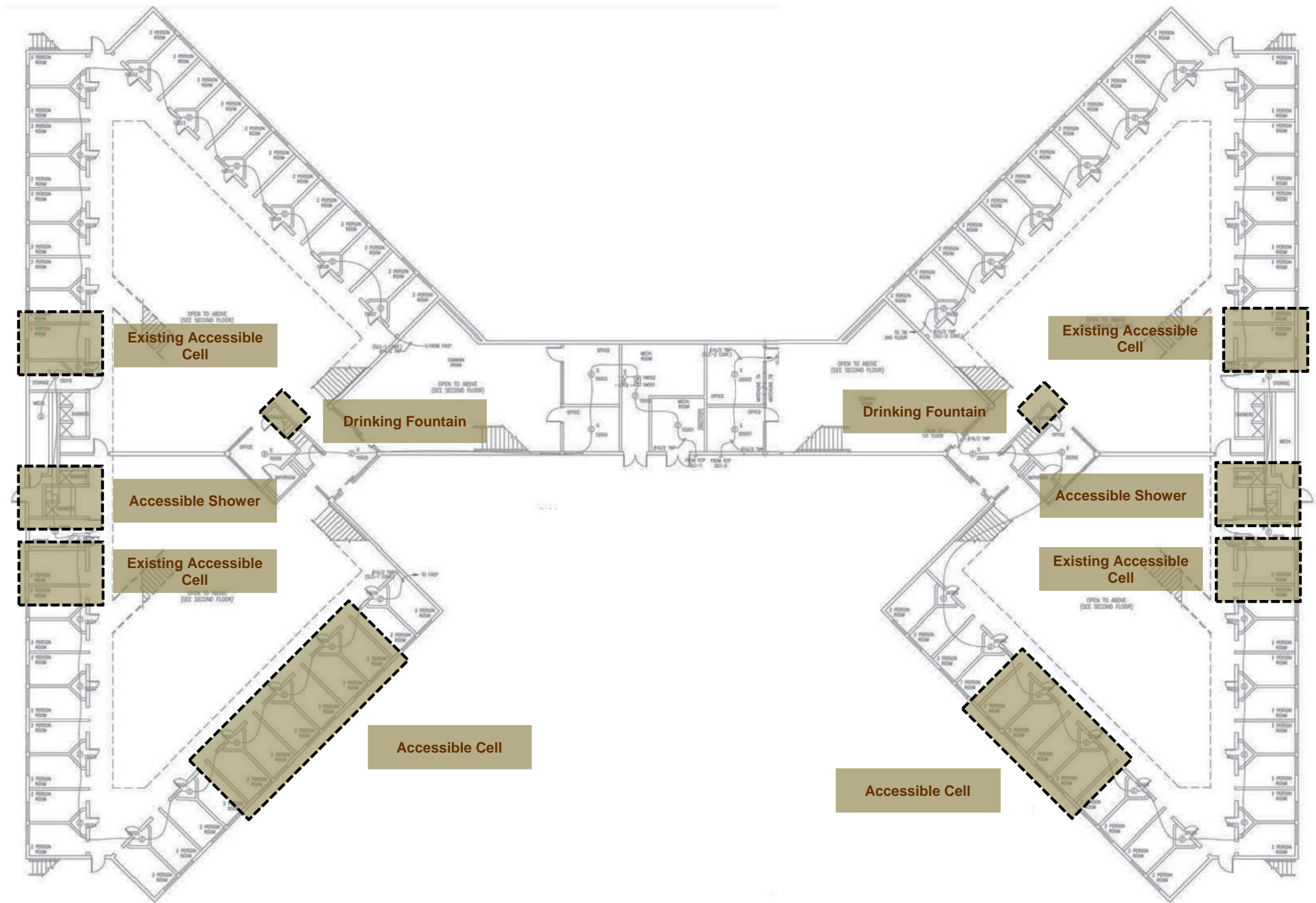


PHOTOS – clockwise from upper left

- Existing bed and desk in inmate cell
- Existing toilet/lavatory unit in inmate cell
- Existing shower with curb

Unit 6 Accessible Shower Proposed Plan
1/4"=1'-0"





UNIT 7

Unit 7 has two wings (7A and 7B) of similar configuration. The building is two-story. Cell configurations and showers are similar on each floor. Neither wing 7A nor 7B have an elevator. The desired percentage of accessible showers and inmate cells can be provided on the ground floor, so no accessibility improvements are proposed for the second floors. Providing accessible elements only on the ground floor will make for easier use by inmates and more efficient operational management by NNCC staff.

Inmate cells are similar configuration in 7A and 7B. There are two first floor rooms in each unit that were designed as accessible cells. These cells are largely compliant. The other cells in the units do not currently have adequate space for compliant elements. The toilet/lavatory combination unit is not compliant. The remodel will include a compliant toilet and lavatory in a new institutional grade fixture. The drawings and cost analysis assume a Willoughby Industries 1545 Series Accessible Toilet/Lavatory Combination Unit.

There is a transfer shower in Unit 7A and 7B. The shower in each wing is of a similar configuration. These two showers are compliant in terms of size and shape. There are components that are non-compliant. Proposed compliance for the shower head is to install a new panel with a fixed shower heads at 48" and 72" above the floor with hot and cold push buttons for each shower head. Other accessibility components are noted in the Shower Compliance spreadsheet and the cost analysis.

The required accessible improvements are noted below. Specific information on scope is included in the cost analysis.

Based on population data as of April 15, 2015, Unit 6 has the following population of inmates that use walkers, wheelchairs and/or canes:

Unit 7A Current Population Percentage with Accessibility Needs	1%
Unit 7B Current Population Percentage with Accessibility Needs	9%

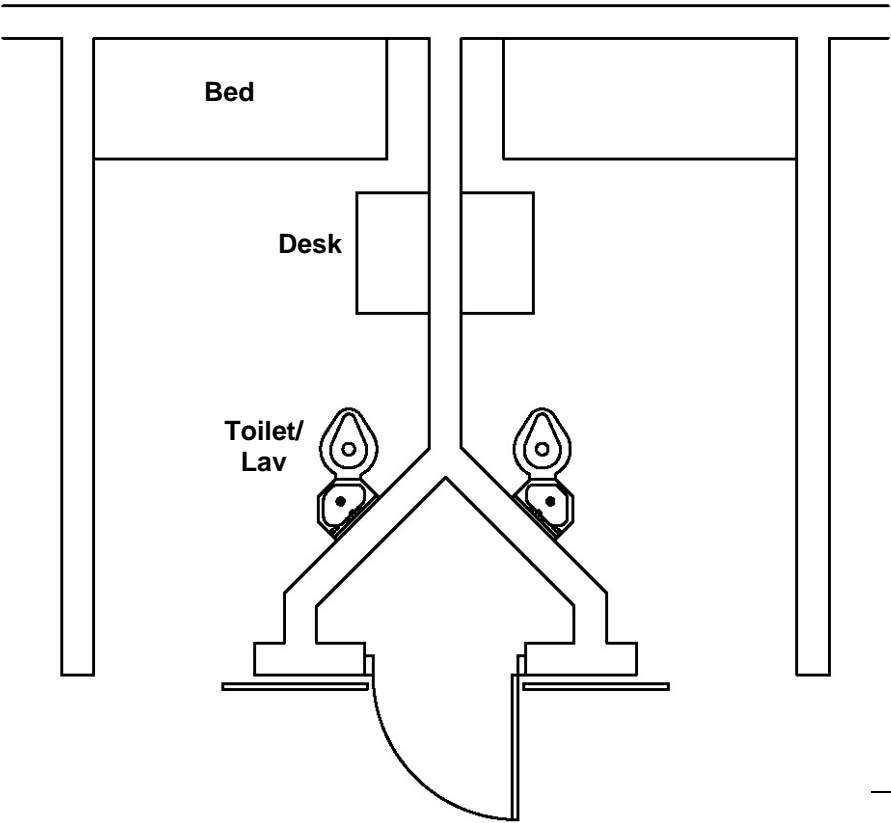
UNIT 7A

1. Unit 7A Shower (Ground Floor only; 2nd Floor does not have an elevator and is not accessible)

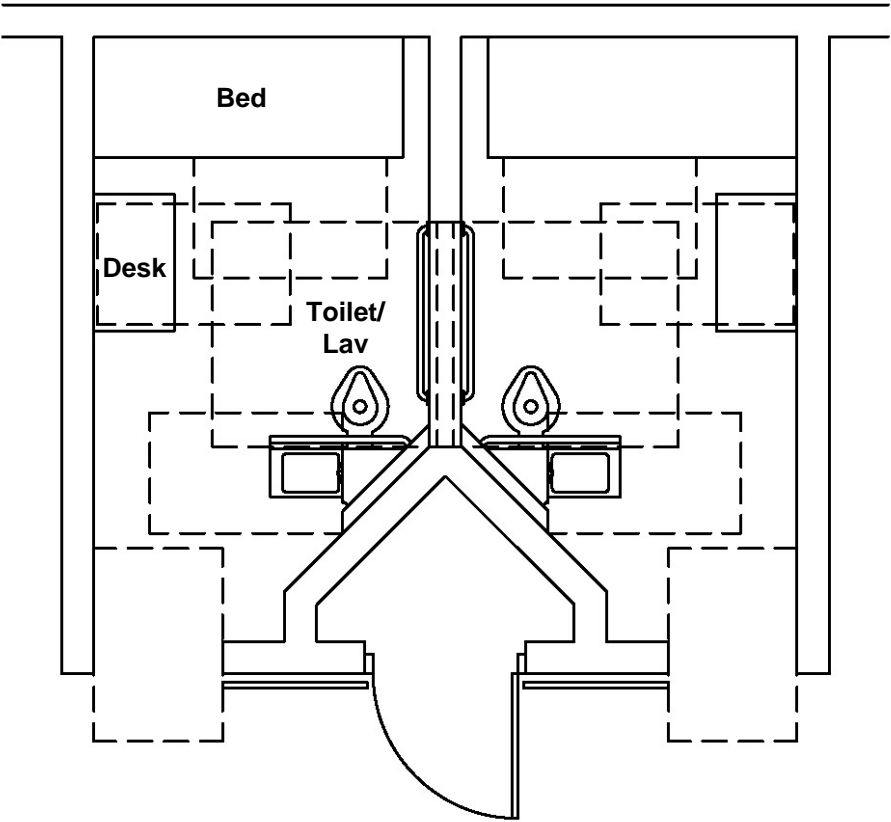
Current Showers	6
Current Accessible Showers	1
Current Accessible Shower Percentage	17%
Proposed Showers	6
Proposed Accessible Showers	1
Current Accessible Shower Percentage	17%

2. Unit 7A Inmate Cells (Ground Floor only; 2nd Floor not accessible)

Current Cells	42
Current Accessible Cells	2
Current Accessible Cell Percentage	4.7%
Current Capacity	Varies
Proposed Cells	42
Proposed Accessible Cells	6
Proposed Accessible Beds	6
Proposed Non-Accessible Cells	36
Proposed Non-Accessible Beds	Varies
Proposed Capacity	Varies
Proposed Accessible Cell Percentage	14.3%



Unit 7A or 7B Inmate
Cell Existing Plan
1/4"=1'-0"



Unit 7A or 7B
Accessible Cell
Proposed Plan
1/4"=1'-0"

UNIT 7

UNIT 7B

1. Unit 7B Inmate Cells (Ground Floor only; 2nd Floor not accessible)

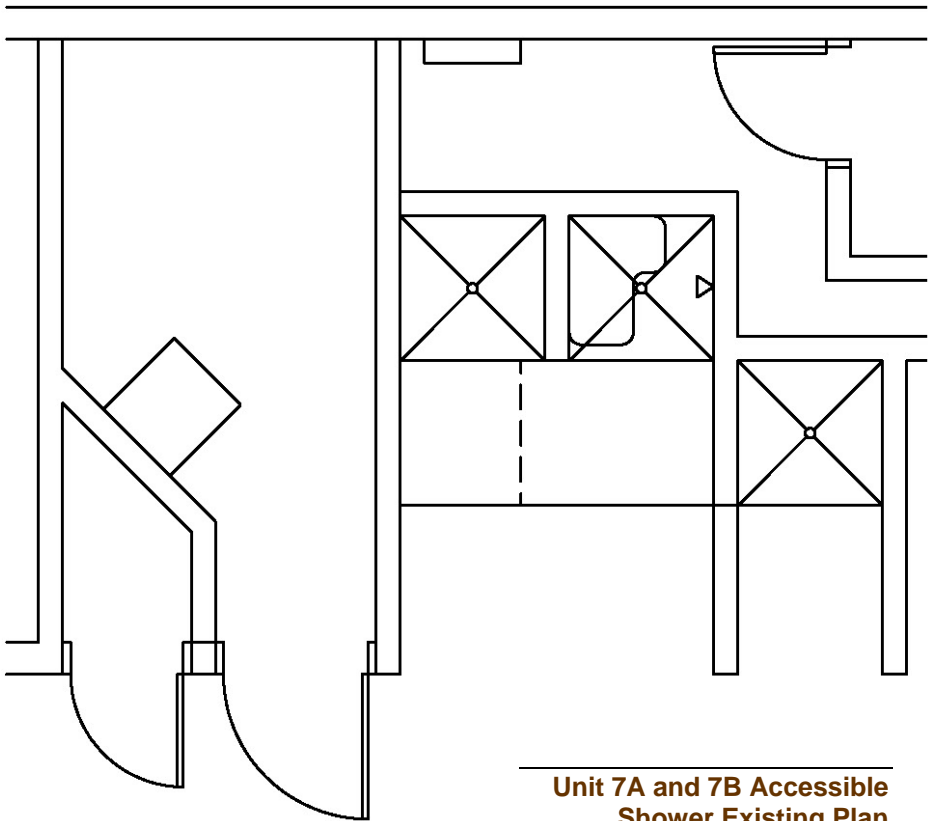
Current Cells	42
Current Accessible Cells	2
Current Accessible Cell Percentage	4.7%
Current Capacity	Varies
Proposed Cells	42
Proposed Accessible Cells	6
Proposed Accessible Beds	6
Proposed Non-Accessible Cells	36
Proposed Non-Accessible Beds	Varies
Proposed Capacity	Varies
Proposed Accessible Cell Percentage	14.3%

2. Unit 7B Shower (Ground Floor only; 2nd Floor does not have an elevator and is not accessible)

Current Showers	6
Current Accessible Showers	1
Current Accessible Percentage	17%
Proposed Showers	6
Proposed Accessible Showers	1
Current Accessible Shower Percentage	17%

3. Drinking Fountain

The central area has a drinking fountain that is non-compliant. The spout is at 38 inches above the floor (38 inches maximum required), but the drinking fountain doesn't extend 17-19 inches from the wall to provide the required knee space. A new high/low drinking fountain is proposed.



Unit 7A and 7B Accessible
Shower Existing Plan
1/4"=1'-0"



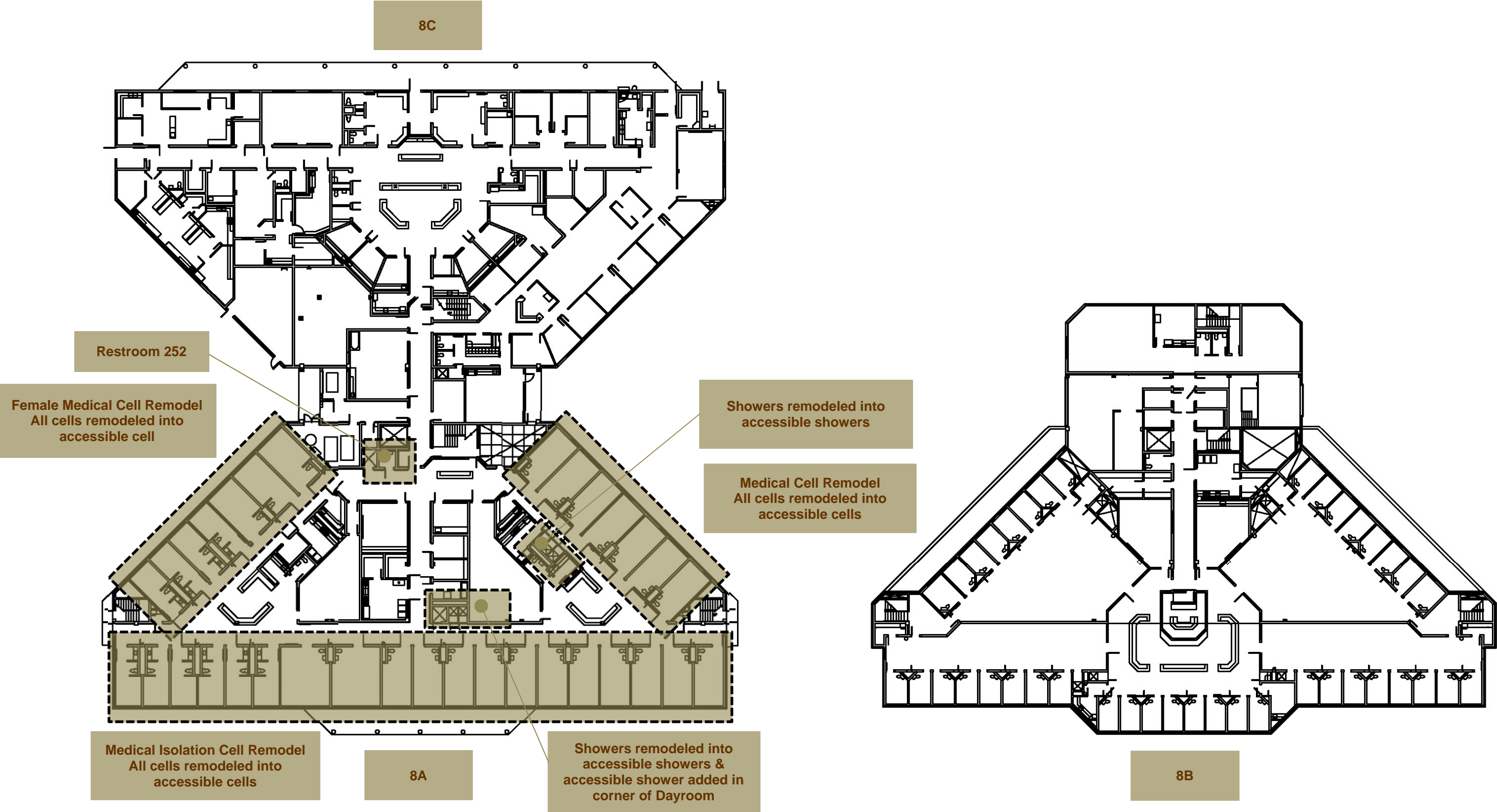
PHOTOS – preceding page, left to right

- Existing shower area from common area
- Existing accessible transfer shower stall
- Existing shower area with accessible stall on the right

PHOTOS – this page, clockwise from upper left

- Existing toilet/lavatory unit in inmate cell
- Existing bunk and desk in inmate cell
- Existing non-compliant drinking fountain in common area





UNIT 8

Unit 8 has three wings – 8A, 8B and 8C. This Unit is the medical unit. The building has two stories (8A and 8B) in the west portion of the building. The east portion (8C) is one story. The second floor is accessible by stairs and elevator. There are inmates in all 3 wings of the building. Inmate cells are in wings 8A and 8B. Inmate processing and medical care are in 8C, but there are no cells.

The required accessible improvements are noted below. Specific information on scope is included in the cost analysis.

Based on population data as of April 15, 2015, Unit 8 has the following population of inmates that use walkers, wheelchairs and/or canes:

Unit 8A Current Population Percentage with Accessibility Needs	36%
Unit 8B Current Population Percentage with Accessibility Needs	8%

UNIT 8A

1. Unit 8A Medical Cells (Cells 1-18) (2 person cells)

Inmate cells in this area do not currently have adequate space for compliant elements. Some of the elements are compliant and some are not. Refer to the Toilet Room Compliance spreadsheet and cost analysis for accessibility scope.

Current Cells	18
Current Accessible Cells	0
Current Accessible Cell Percentage	0%
Current Capacity	36
Proposed Cells	18
Proposed Accessible Cells	18
Proposed Accessible Beds	24
Proposed Non-Accessible Cells	0
Proposed Non-Accessible Beds	0
Proposed Capacity	24
Proposed Accessible Capacity Percentage	100%



PHOTO

- Existing toilet and lavatory in Medical Cell (Cell 7)

2. Unit 8A Medical Cells (Cells 19-20) (6 person cells)

Inmate cells in this area do not currently have adequate space for compliant elements. Some of the elements are compliant and some are not. Refer to the Toilet Room Compliance spreadsheet and cost analysis for accessibility scope.

Current Cells	2
Current Accessible Cells	0
Current Accessible Cell Percentage	0%
Current Capacity	12
Proposed Cells	2
Proposed Accessible Cells	2
Proposed Accessible Beds	8
Proposed Non-Accessible Cells	0
Proposed Non-Accessible Beds	0
Proposed Capacity	8
Proposed Accessible Capacity Percentage	100%

3. Unit 8A Medical Isolation Cells (Cells 21-30) (1 person cells)

Inmate cells in this area do not currently have adequate space for compliant elements. Many existing elements are not compliant. Refer to the floor plan and cost analysis for accessibility scope. The toilet/lavatory combination unit is not compliant. The remodel will include a compliant toilet and lavatory in a new institutional grade fixture. The drawings and cost analysis assume a Willoughby Industries 1545 Series Accessible Toilet/Lavatory Combination Unit. The room will also have a compliant roll-in shower with fixed shower heads at 48” and 72” above the floor with hot and cold push buttons for each shower head.

Current Cells	10
Current Accessible Cells	0
Current Accessible Capacity Percentage	0%
Current Capacity	10
Proposed Cells	10
Proposed Accessible Cells	10
Proposed Accessible Beds	10
Proposed Non-Accessible Cells	0
Proposed Non-Accessible Beds	0
Proposed Capacity	10
Proposed Accessible Capacity Percentage	100%

4. Unit 8A Female Medical Cells (Cells 31-33) (6 person cells)

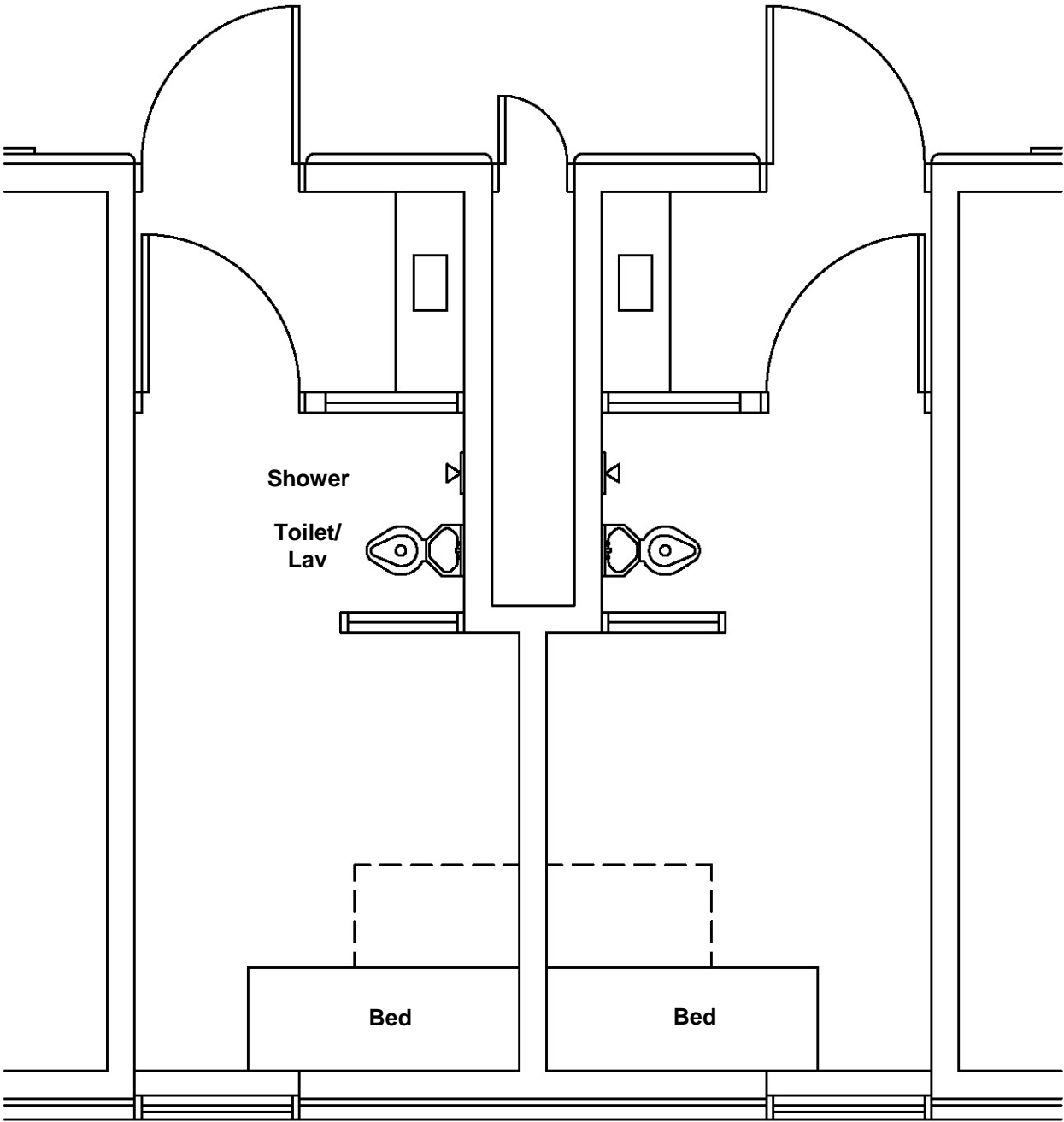
Inmate cells in this area do not currently have adequate space for compliant elements. Many existing elements are not compliant. Refer to the floor plan and cost analysis for accessibility scope. The toilet/lavatory combination unit is not compliant. The remodel will include a compliant toilet and lavatory in a new institutional grade fixture. The drawings and cost analysis assume a Willoughby Industries 1545 Series Accessible Toilet/Lavatory Combination Unit. The room will also have a compliant roll-in shower with fixed shower heads at 48" and 72" above the floor with hot and cold push buttons for each shower head.

Current Cells	3
Current Accessible Cells	0
Current Accessible Capacity Percentage	0%
Current Capacity	18
Proposed Cells	3
Proposed Accessible Cells	3
Proposed Accessible Beds	12
Proposed Non-Accessible Cells	0
Proposed Non-Accessible Beds	0
Proposed Capacity	12
Proposed Accessible Capacity Percentage	100%

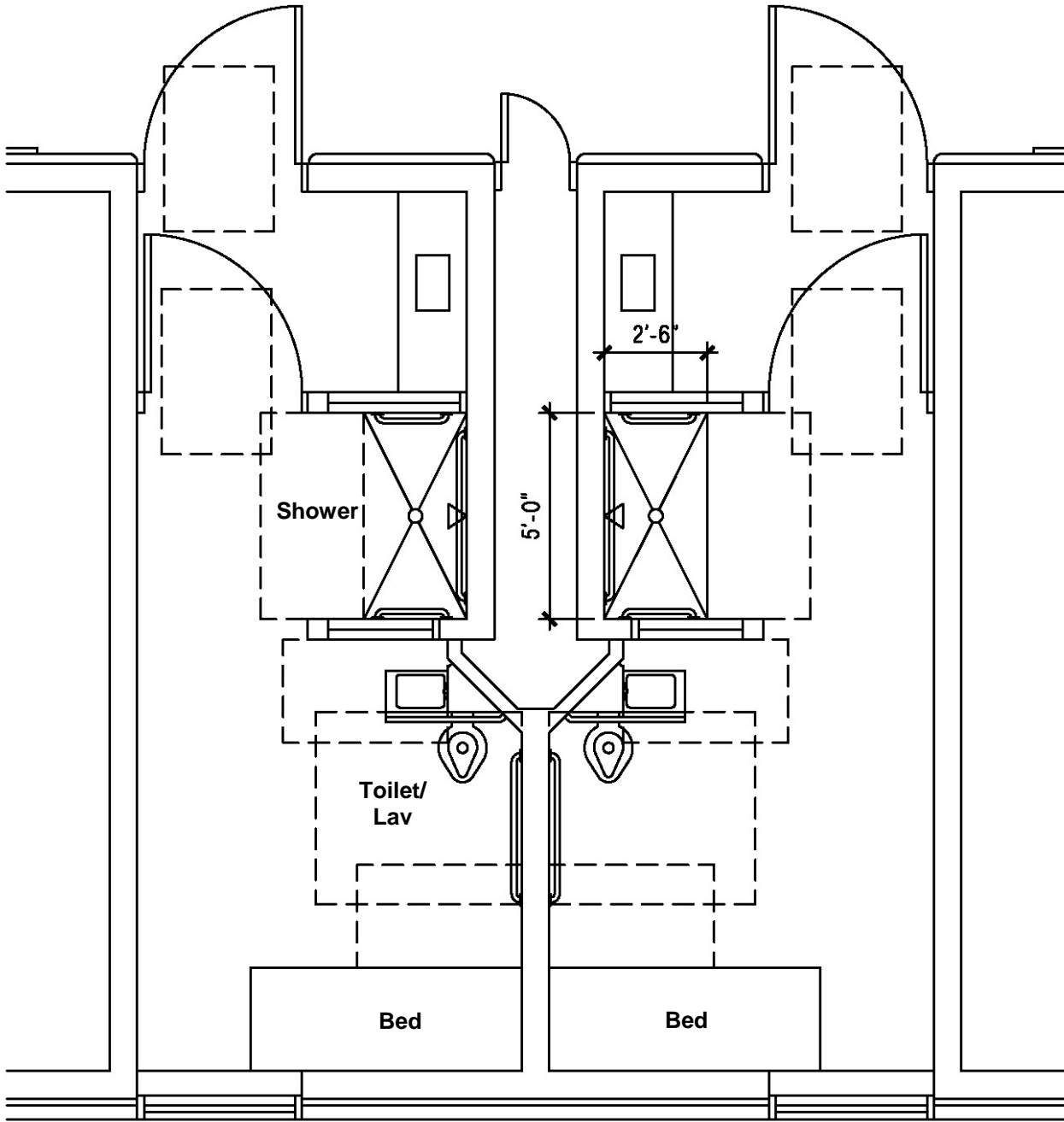
5. Unit 8A Restroom 252

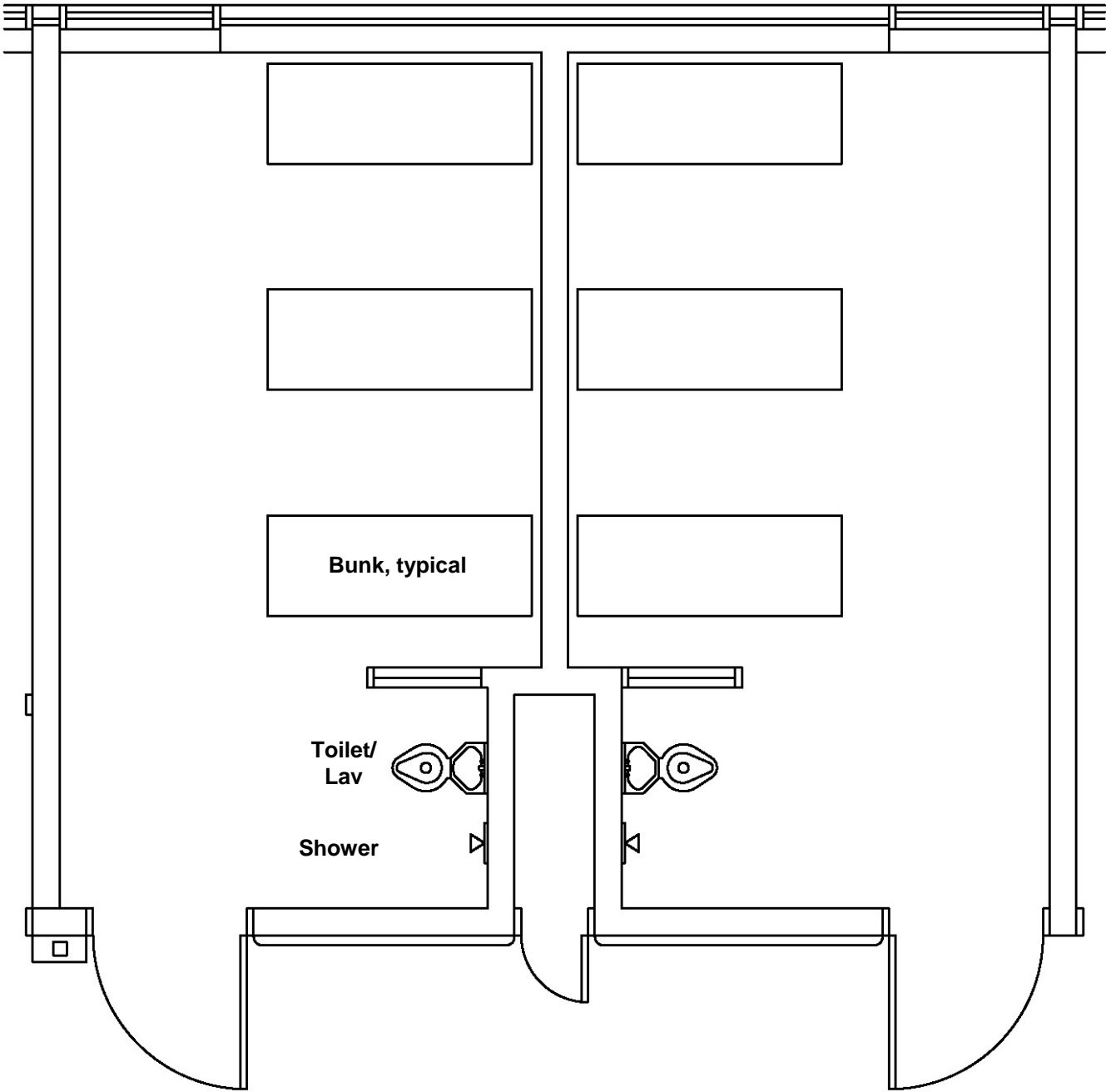
The existing restroom does not do not currently have adequate space for accessibility compliance. The proposal is to expand the room to have enough spaces for a compliant restroom. See Toilet Room Compliance spreadsheet, floor plans and cost analysis for accessibility scope.

Unit 8A Medical Isolation Cells Existing Plan
1/4"=1'-0"

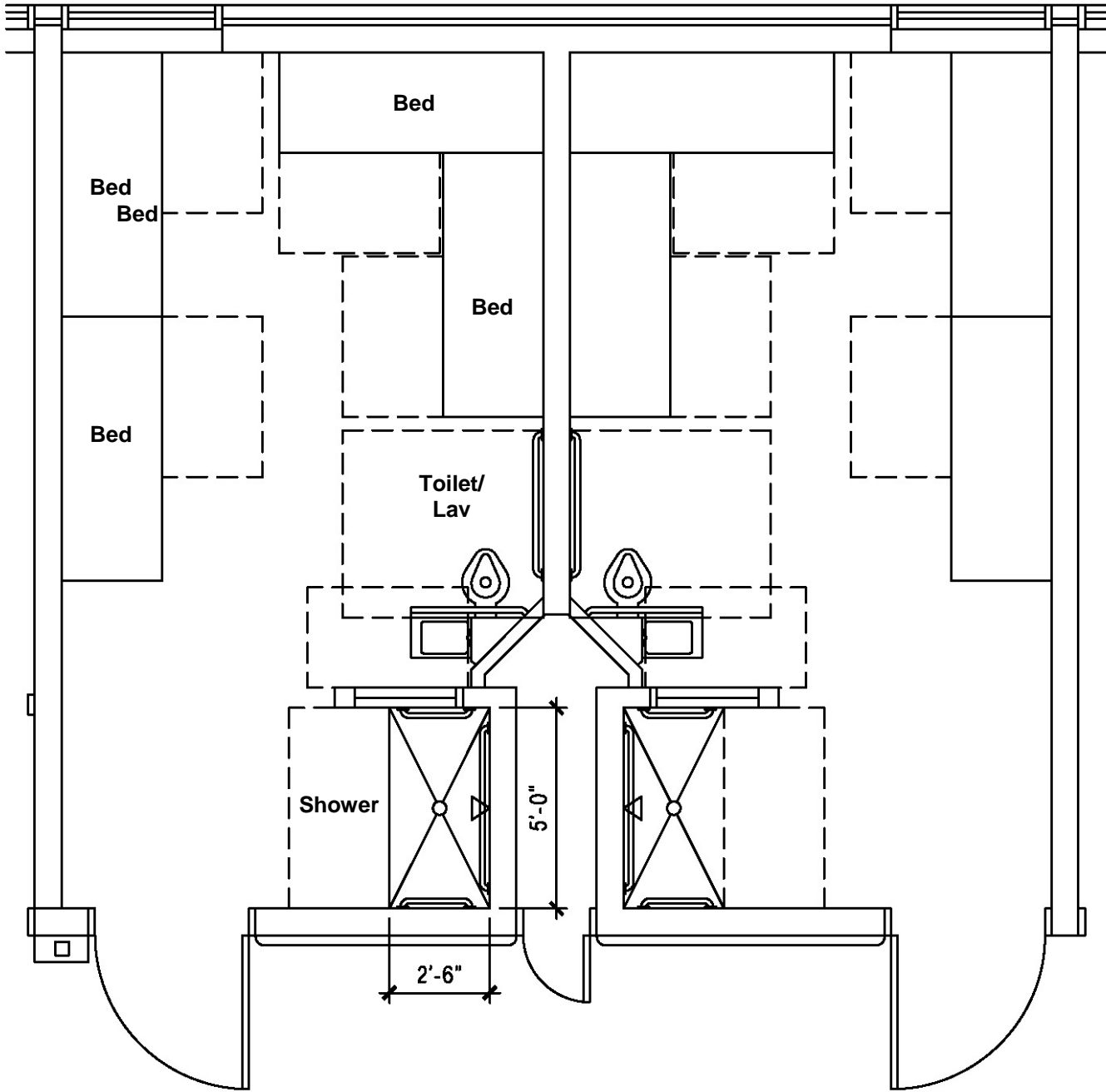


Unit 8A Medical Isolation Cells Proposed Plan
1/4"=1'-0"





Unit 8A Female Medical Cells Existing Plan
1/4"=1'-0"

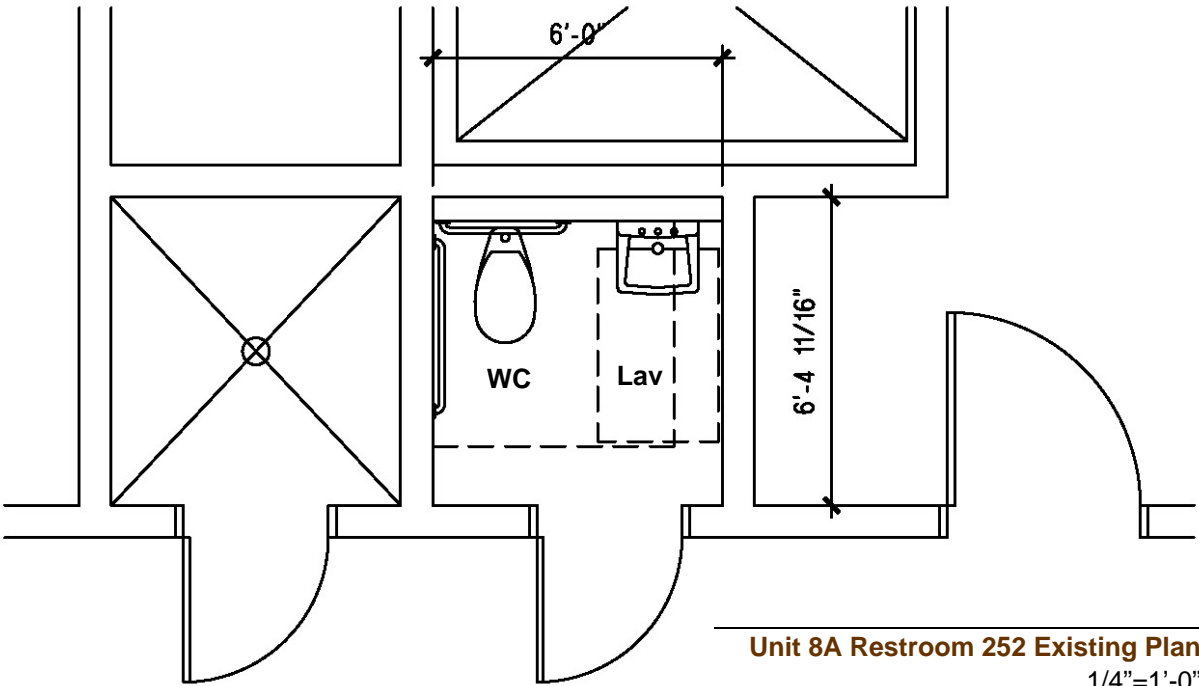


Unit 8A Female Medical Cells Proposed Plan
1/4"=1'-0"

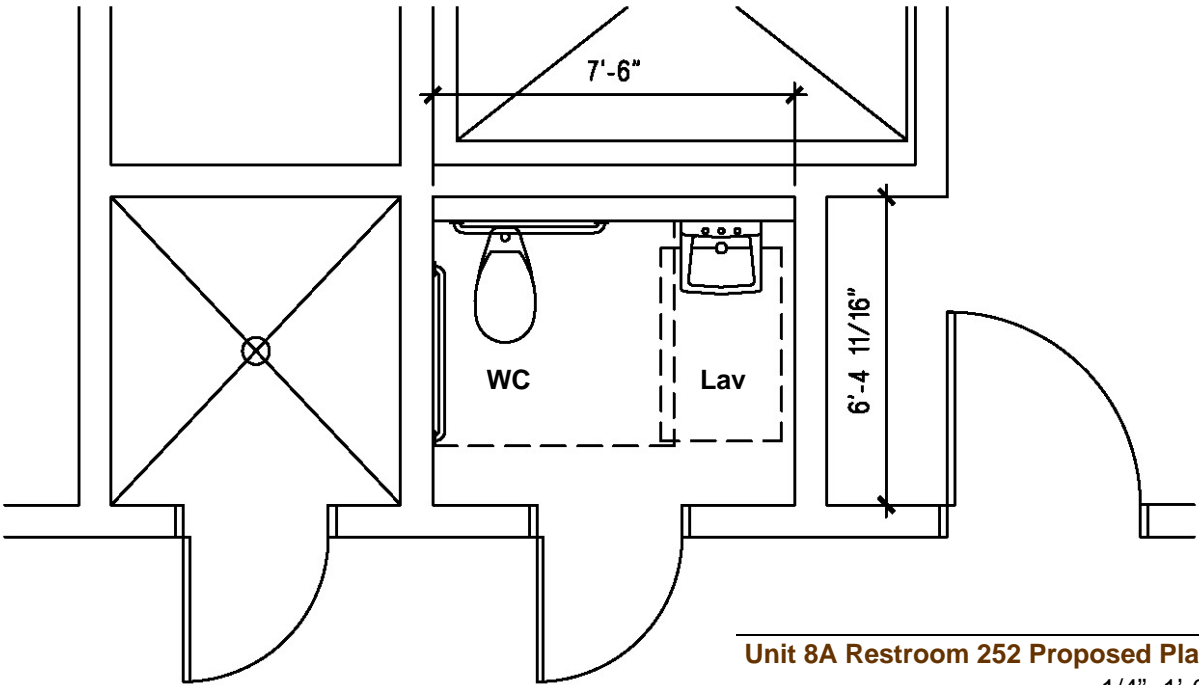


PHOTOS – clockwise from upper left

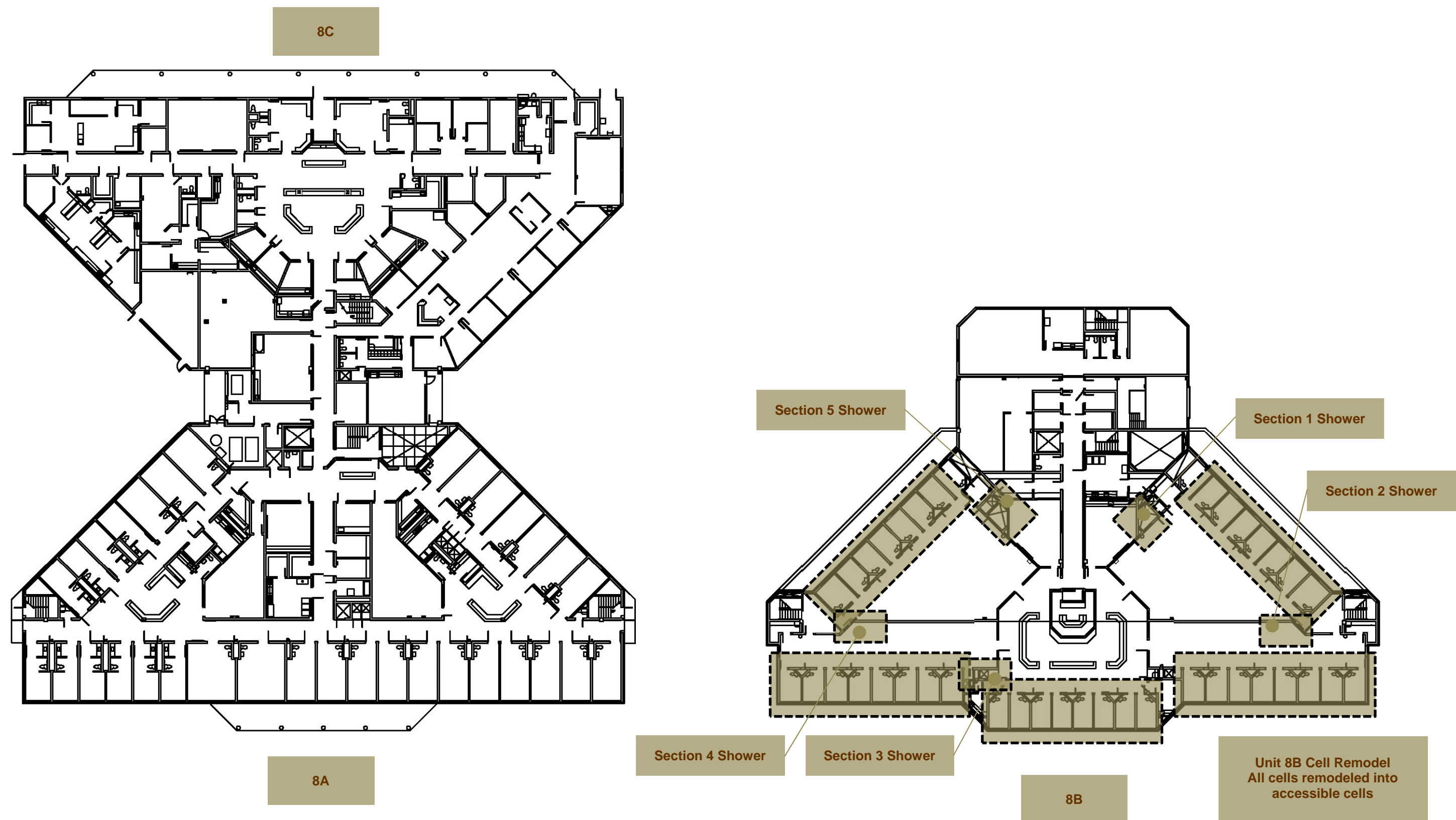
- Existing Medical Isolation Cell shower
- Existing Female Medical Cell toilet/lavatory & shower
- Restroom 252 plumbing wall
- Existing Medical Isolation Cell toilet/lavatory



Unit 8A Restroom 252 Existing Plan
1/4"=1'-0"



Unit 8A Restroom 252 Proposed Plan
1/4"=1'-0"



UNIT 8

UNIT 8B

1. Unit 8B Section 1 Cells (Cells 1-8) (1 person cells)

The cells do not currently have adequate space for compliant elements. Some of the elements are compliant and some are not. Refer to the floor plan and cost analysis for accessibility scope. The toilet/lavatory combination unit is not compliant. The remodel will include a compliant toilet and lavatory in a new institutional grade fixture. The drawings and cost analysis assume a Willoughby Industries 1545 Series Accessible Toilet/Lavatory Combination Unit. Refer to the floor plans and cost analysis for accessibility scope.

Current Cells	8
Current Accessible Cells	0
Current Accessible Cell Percentage	0%
Current Capacity	8
Proposed Cells	8
Proposed Accessible Cells	8
Proposed Accessible Beds	8
Proposed Non-Accessible Cells	0
Proposed Non-Accessible Beds	0
Proposed Capacity	8
Proposed Accessible Capacity Percentage	100%

2. Unit 8B Section 1 Shower

The shower has adequate space for compliant elements. The space currently is not compliant and some of the elements are not compliant. A new roll-in shower with fixed shower heads at 48” and 72” above the floor is proposed in the same space. Refer to the floor plans and cost analysis for accessibility scope.

Current Showers	3 showers
Current Accessible Showers	0
Current Accessible Percentage	0%
Proposed Showers	3 showers
Proposed Accessible Showers	1 shower
Proposed Accessible Percentage	33%

3. Unit 8B Section 2 Cells (Cells 9-16) (1 person cells)

The cells do not currently have adequate space for compliant elements. Some of the elements are compliant and some are not. Refer to the floor plan and cost analysis for accessibility scope. The toilet/lavatory combination unit is not compliant. The remodel will include a compliant toilet and lavatory in a new institutional grade fixture. The drawings and cost analysis assume a Willoughby Industries 1545 Series Accessible Toilet/Lavatory Combination Unit. Refer to the floor plans and cost analysis for accessibility scope.

Current Cells	8
Current Accessible Cells	0
Current Accessible Cell Percentage	0%
Current Capacity	8
Proposed Cells	8
Proposed Accessible Cells	8
Proposed Accessible Beds	8
Proposed Non-Accessible Cells	0
Proposed Non-Accessible Beds	0
Proposed Capacity	8
Proposed Accessible Capacity Percentage	100%

4. Unit 8B Section 2 Shower

The shower is not accessible and will be difficult to make accessible. A new roll-in shower with fixed shower heads at 48” and 72” above the floor is proposed in the common area. Refer to the floor plans and cost analysis for accessibility scope.

Current Showers	1 shower
Current Accessible Showers	0
Current Accessible Percentage	0%
Proposed Showers	2 showers
Proposed Accessible Showers	1 shower
Proposed Accessible Percentage	50%

5. Unit 8B Section 3 Cells (Cells 17-24) (1 person cells)

The cells do not currently have adequate space for compliant elements. Some of the elements are compliant and some are not. Refer to the floor plan and cost analysis for accessibility scope. The toilet/lavatory combination unit is not compliant. The remodel will include a compliant toilet and lavatory in a new institutional grade fixture. The drawings and cost analysis assume a Willoughby Industries 1545 Series Accessible Toilet/Lavatory Combination Unit. Refer to the floor plans and cost analysis for accessibility scope.

Current Cells	8
Current Accessible Cells	0
Current Accessible Cell Percentage	0%
Current Capacity	8
Proposed Cells	8
Proposed Accessible Cells	8
Proposed Accessible Beds	8
Proposed Non-Accessible Cells	0
Proposed Non-Accessible Beds	0
Proposed Capacity	8
Proposed Accessible Capacity Percentage	100%

6. Unit 8B Section 3 Shower

The shower is not accessible and will be difficult to make accessible. A new roll-in shower with a seat and fixed shower heads at 48” and 72” above the floor is proposed in the same location. This will require remodeling of adjacent areas. Refer to the floor plans and cost analysis for accessibility scope.

Current Showers	1 shower
Current Accessible Showers	0
Current Accessible Percentage	0%
Proposed Showers	1 shower
Proposed Accessible Showers	1 shower
Proposed Accessible Percentage	100%

UNIT 8

UNIT 8B

7. Unit 8B Section 4 Cells (Cells 25-32) (1 person cells)

The cells do not currently have adequate space for compliant elements. Some of the elements are compliant and some are not. Refer to the floor plan and cost analysis for accessibility scope. The toilet/lavatory combination unit is not compliant. The remodel will include a compliant toilet and lavatory in a new institutional grade fixture. The drawings and cost analysis assume a Willoughby Industries 1545 Series Accessible Toilet/Lavatory Combination Unit. Refer to the floor plans and cost analysis for accessibility scope.

Current Cells	8
Current Accessible Cells	0
Current Accessible Cell Percentage	0%
Current Capacity	8
Proposed Cells	8
Proposed Accessible Cells	8
Proposed Accessible Beds	8
Proposed Non-Accessible Cells	0
Proposed Non-Accessible Beds	0
Proposed Capacity	8
Proposed Accessible Capacity Percentage	100%

8. Unit 8B Section 4 Shower

The shower is not accessible and will be difficult to make accessible. A new roll-in shower with fixed shower heads at 48" and 72" above the floor is proposed in the common area. Refer to the floor plans and cost analysis for accessibility scope.

Current Showers	1 shower
Current Accessible Showers	0
Current Accessible Percentage	0%
Proposed Showers	1 shower
Proposed Accessible Showers	1 shower
Proposed Accessible Percentage	100%

9. Unit 8B Section 5 Cells (Cells 33-40) (1 person cells)

The cells do not currently have adequate space for compliant elements. Some of the elements are compliant and some are not. Refer to the floor plan and cost analysis for accessibility scope. The toilet/lavatory combination unit is not compliant. The remodel will include a compliant toilet and lavatory in a new institutional grade fixture. The drawings and cost analysis assume a Willoughby Industries 1545 Series Accessible Toilet/Lavatory Combination Unit. Refer to the floor plans and cost analysis for accessibility scope.

Current Cells	8
Current Accessible Cells	0
Current Accessible Cell Percentage	0%
Current Capacity	8

Proposed Cells	8
Proposed Accessible Cells	8
Proposed Accessible Beds	8
Proposed Non-Accessible Cells	0
Proposed Non-Accessible Beds	0
Proposed Capacity	8
Proposed Accessible Capacity Percentage	100%

10. Unit 8B Section 5 Shower

The shower has adequate space for compliant elements. The space currently is not compliant and some of the elements are not compliant. A new roll-in shower with fixed shower heads at 48" and 72" above the floor is proposed in the same space. Refer to the floor plans and cost analysis for accessibility scope.

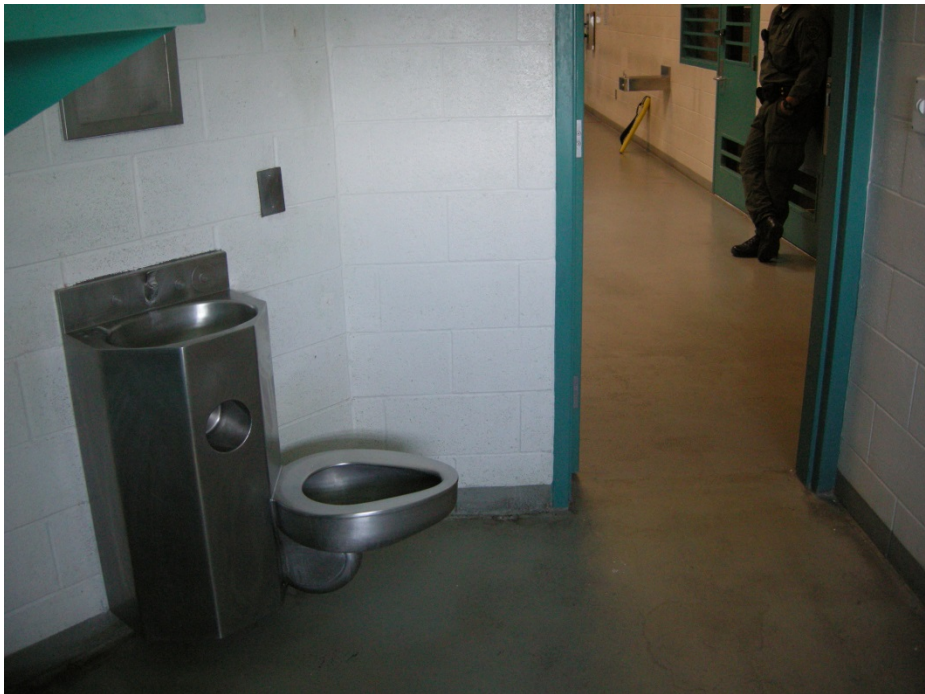
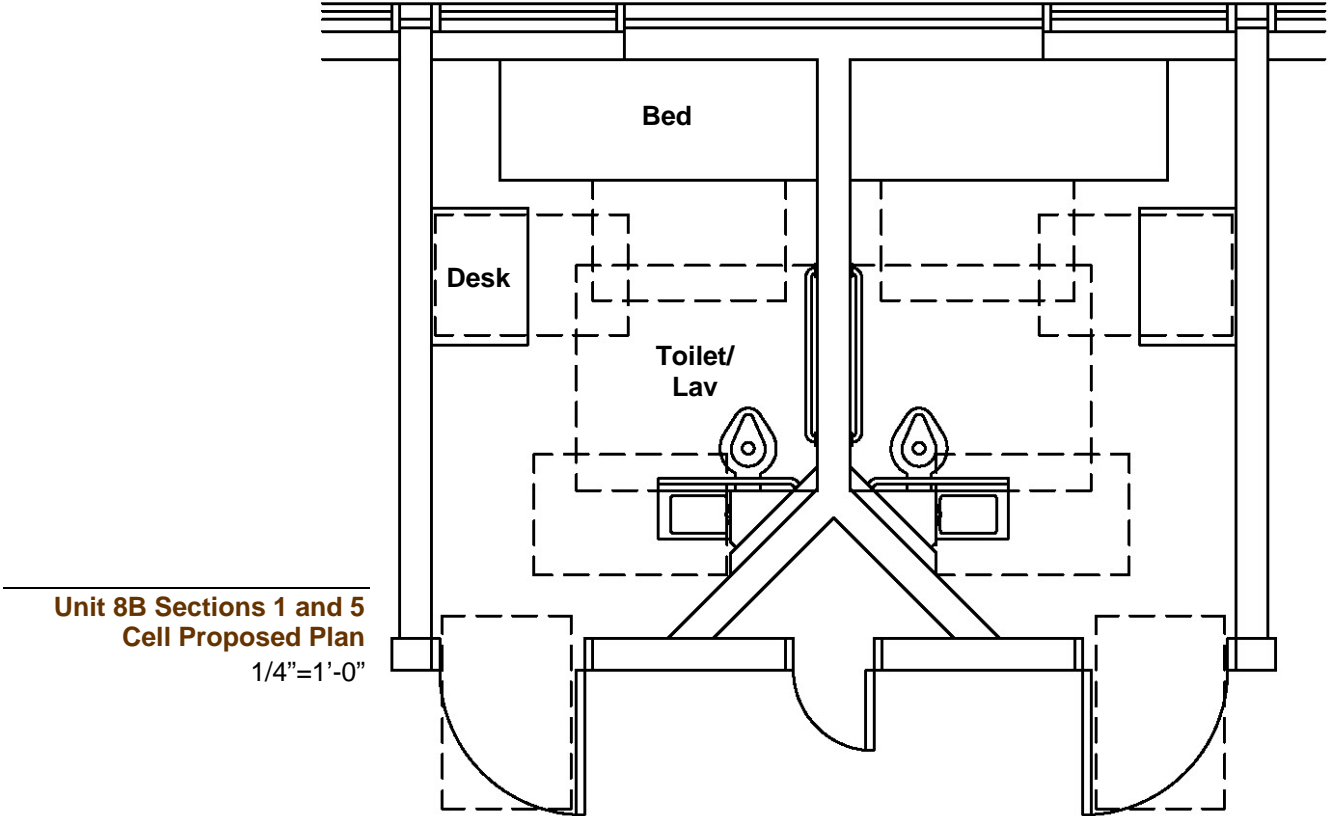
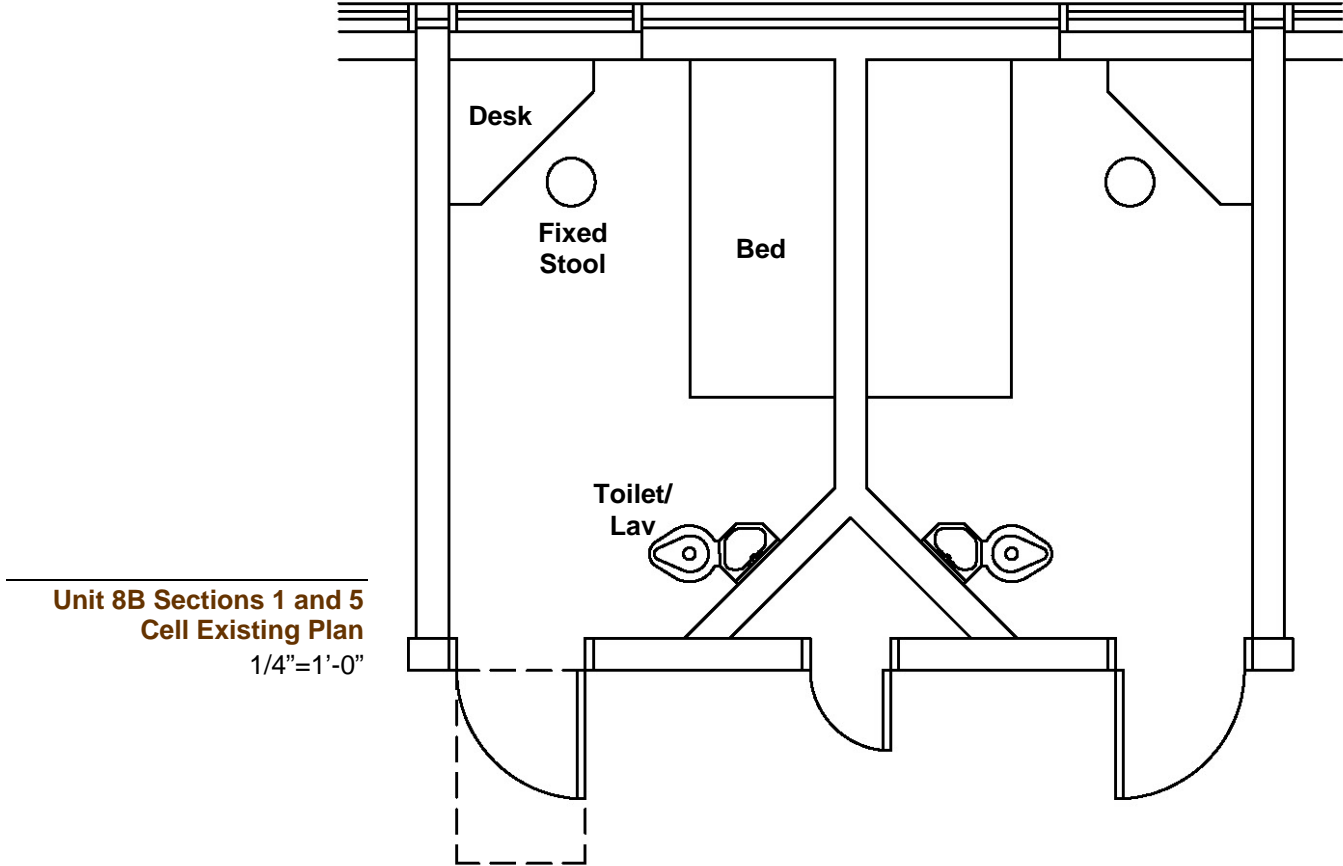
Current Showers	3 showers
Current Accessible Showers	0
Current Accessible Percentage	0%
Proposed Showers	3 showers
Proposed Accessible Showers	1 shower
Proposed Accessible Percentage	33%

Unit 8B Cell Summary

Current Cells	40
Current Accessible Cells	0
Current Accessible Cell Percentage	0%
Current Capacity	40
Proposed Cells	40
Proposed Accessible Cells	40
Proposed Accessible Beds	40
Proposed Non-Accessible Cells	0
Proposed Non-Accessible Beds	0
Proposed Capacity	40
Proposed Accessible Capacity Percentage	100%

Unit 8B Shower Summary

Current Showers	9 showers
Current Accessible Showers	0
Current Accessible Percentage	0%
Proposed Showers	10 showers
Proposed Accessible Showers	5 showers
Proposed Accessible Percentage	50%



PHOTOS – left to right

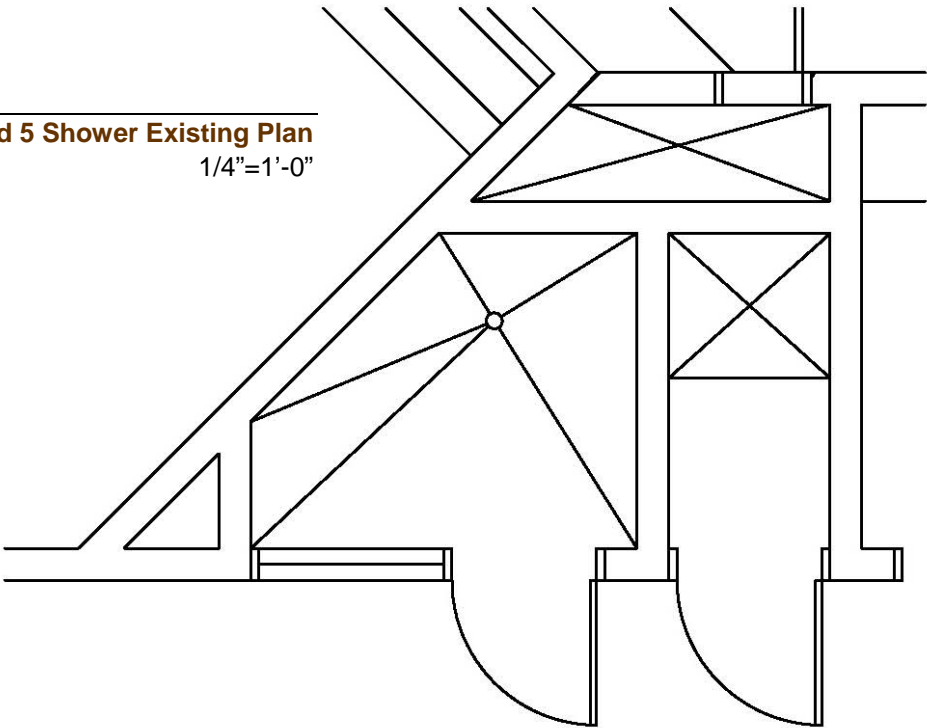
- Desk and bed (Section 1 Cell 2)
- Toilet and lavatory unit (Section 1 Cell 2)



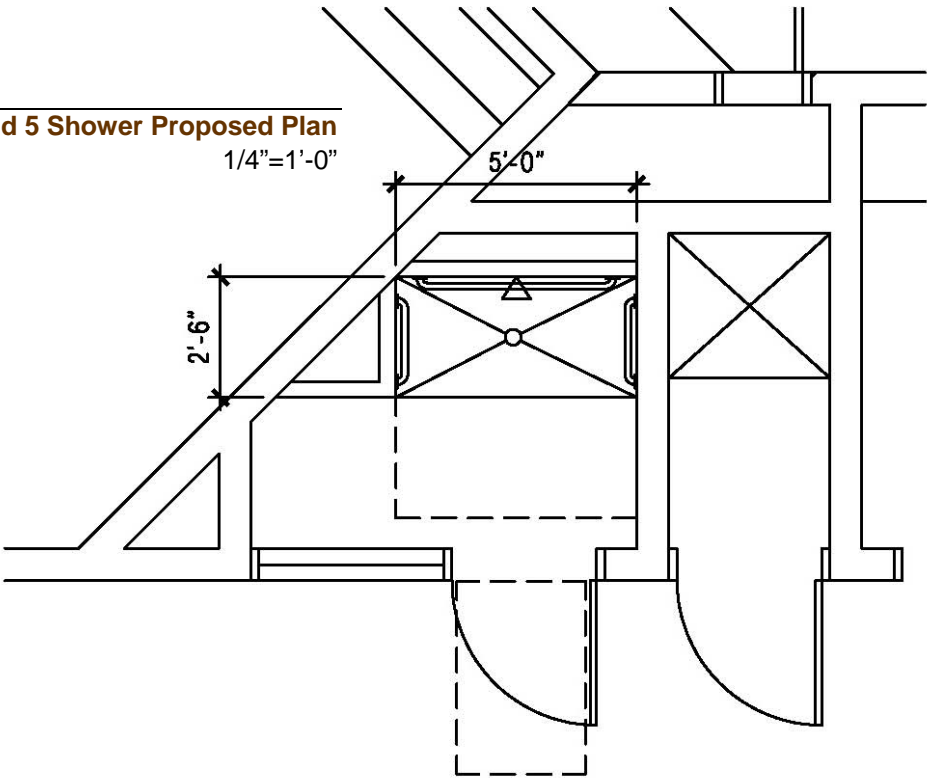
PHOTOS – left to right

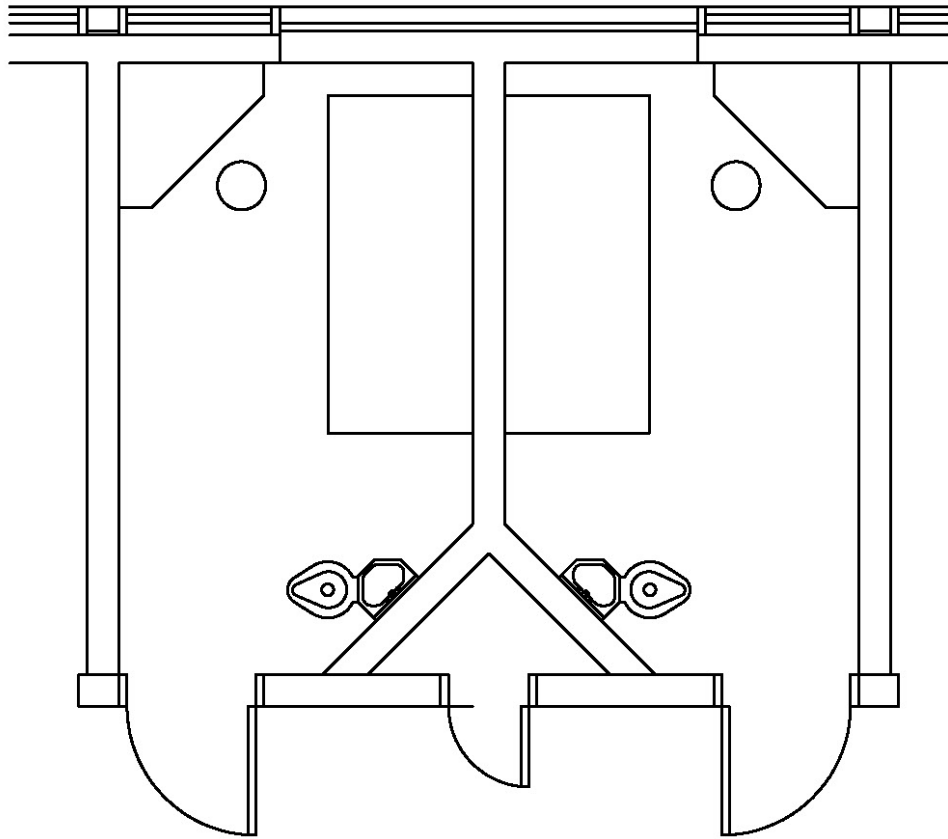
- Section 1 shower door
- Section 1 shower

Unit 8B Sections 1 and 5 Shower Existing Plan
1/4"=1'-0"

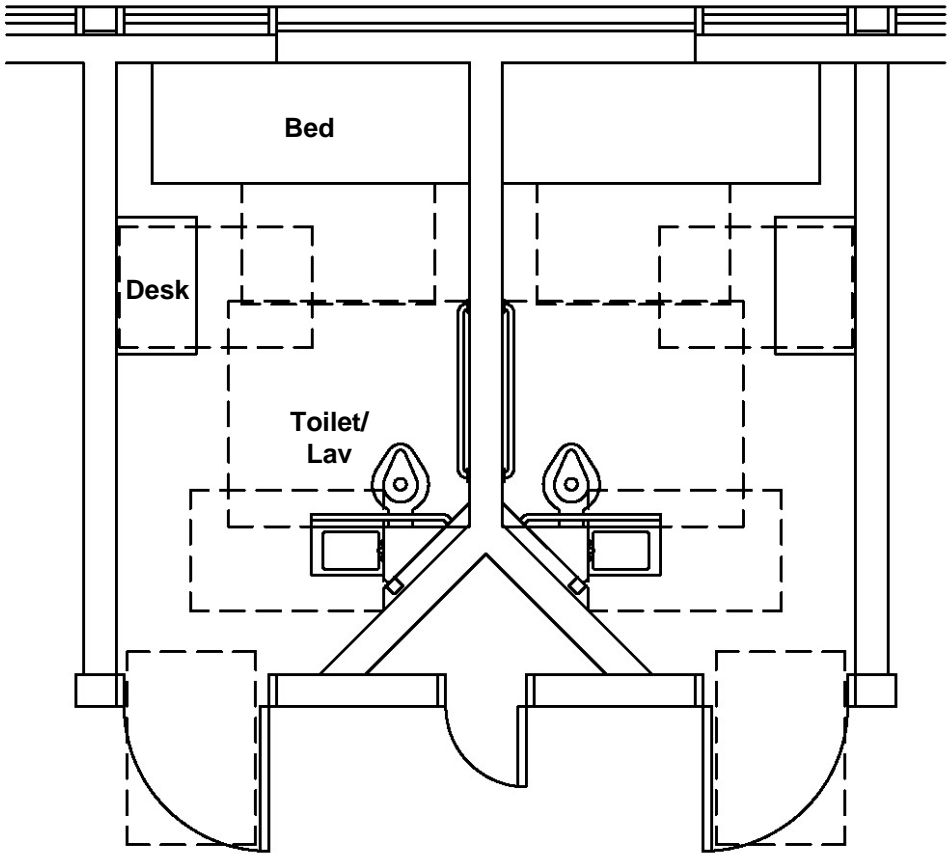


Unit 8B Sections 1 and 5 Shower Proposed Plan
1/4"=1'-0"

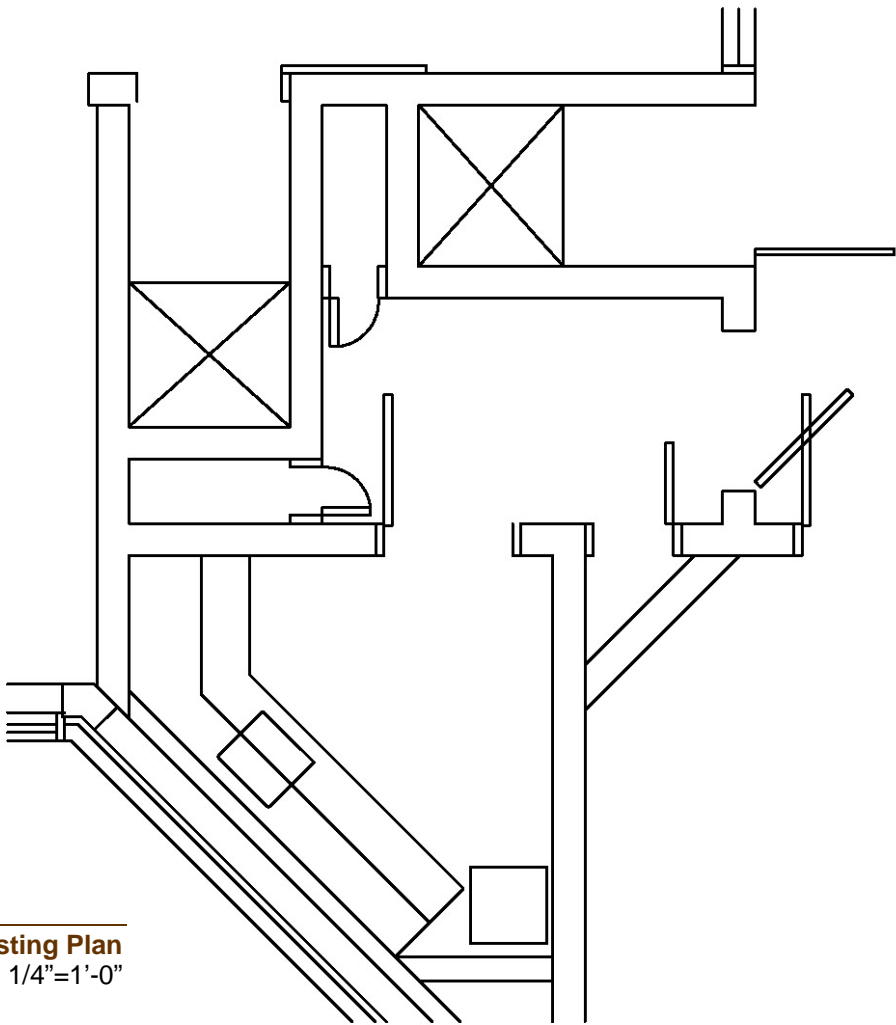




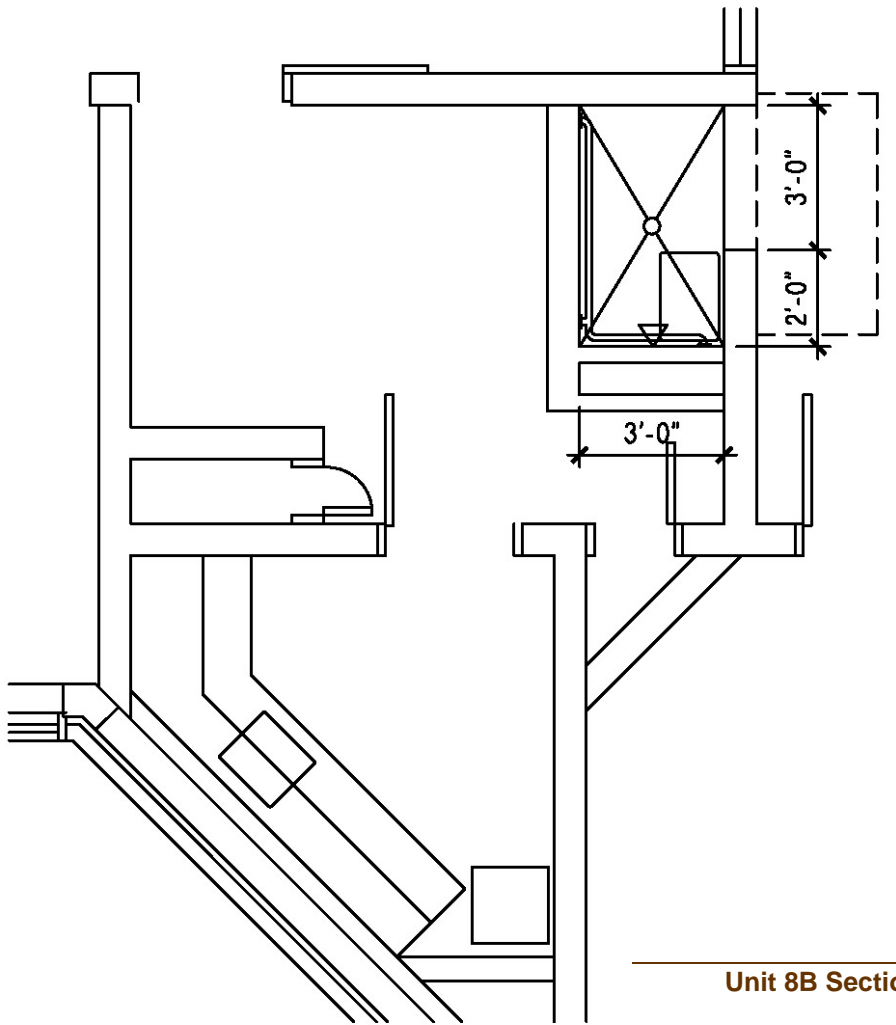
Unit 8B Sections 2, 3 and 4 Cell Existing Plan
1/4"=1'-0"



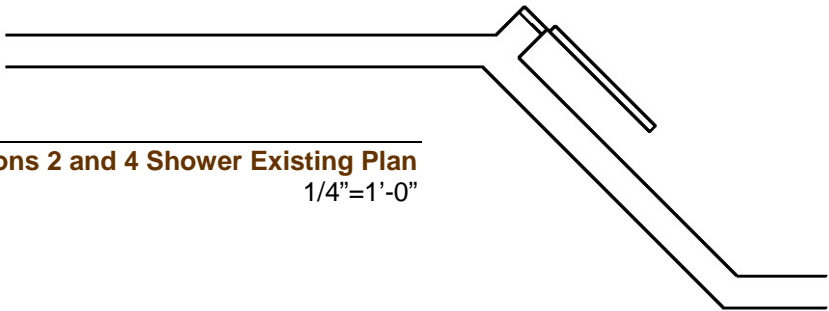
Unit 8B Sections 2, 3 and 4 Cell Proposed Plan
1/4"=1'-0"



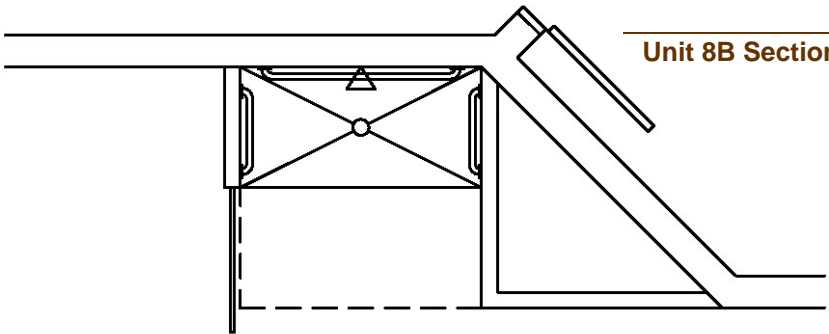
Unit 8B Section 3 Shower Existing Plan
1/4"=1'-0"



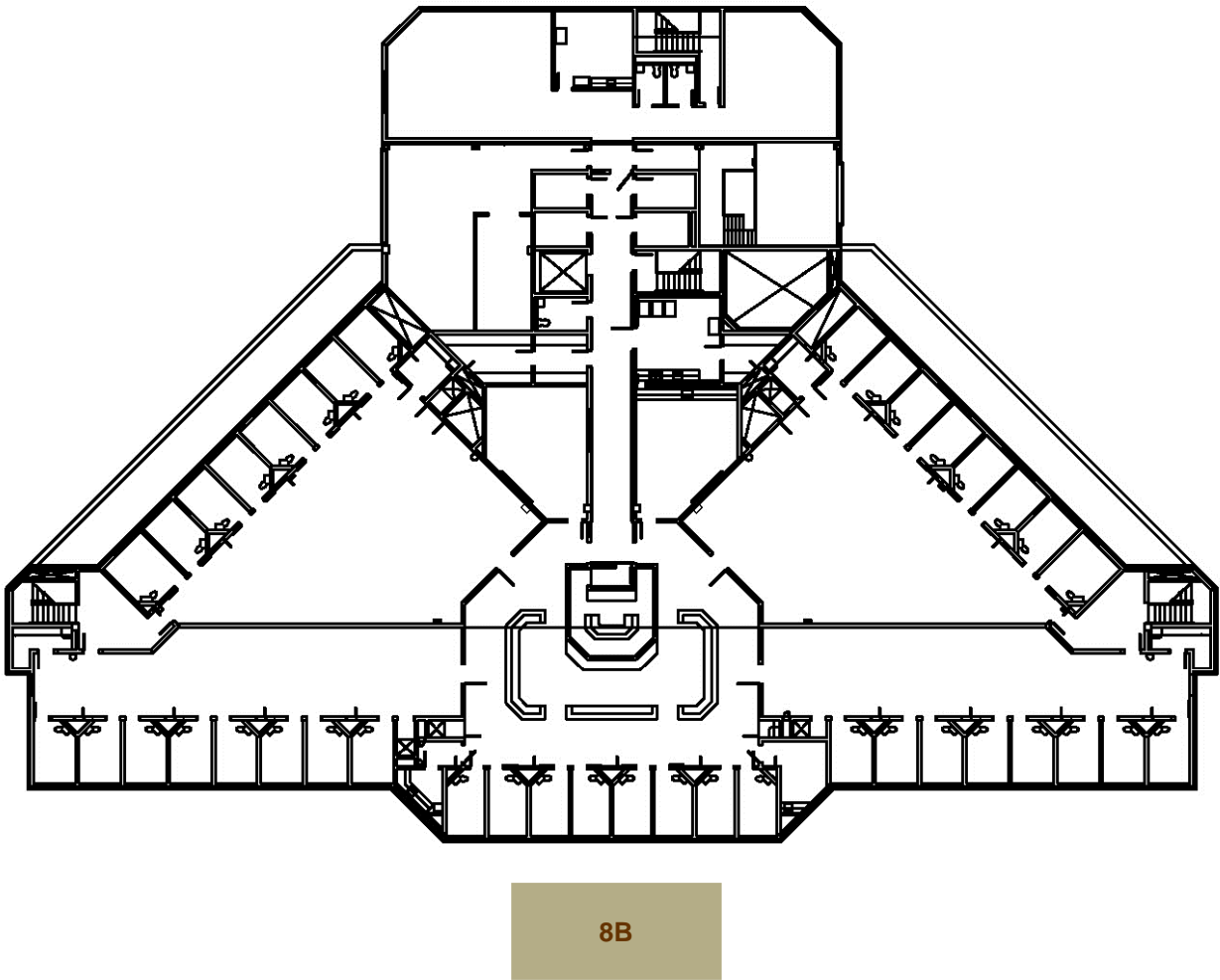
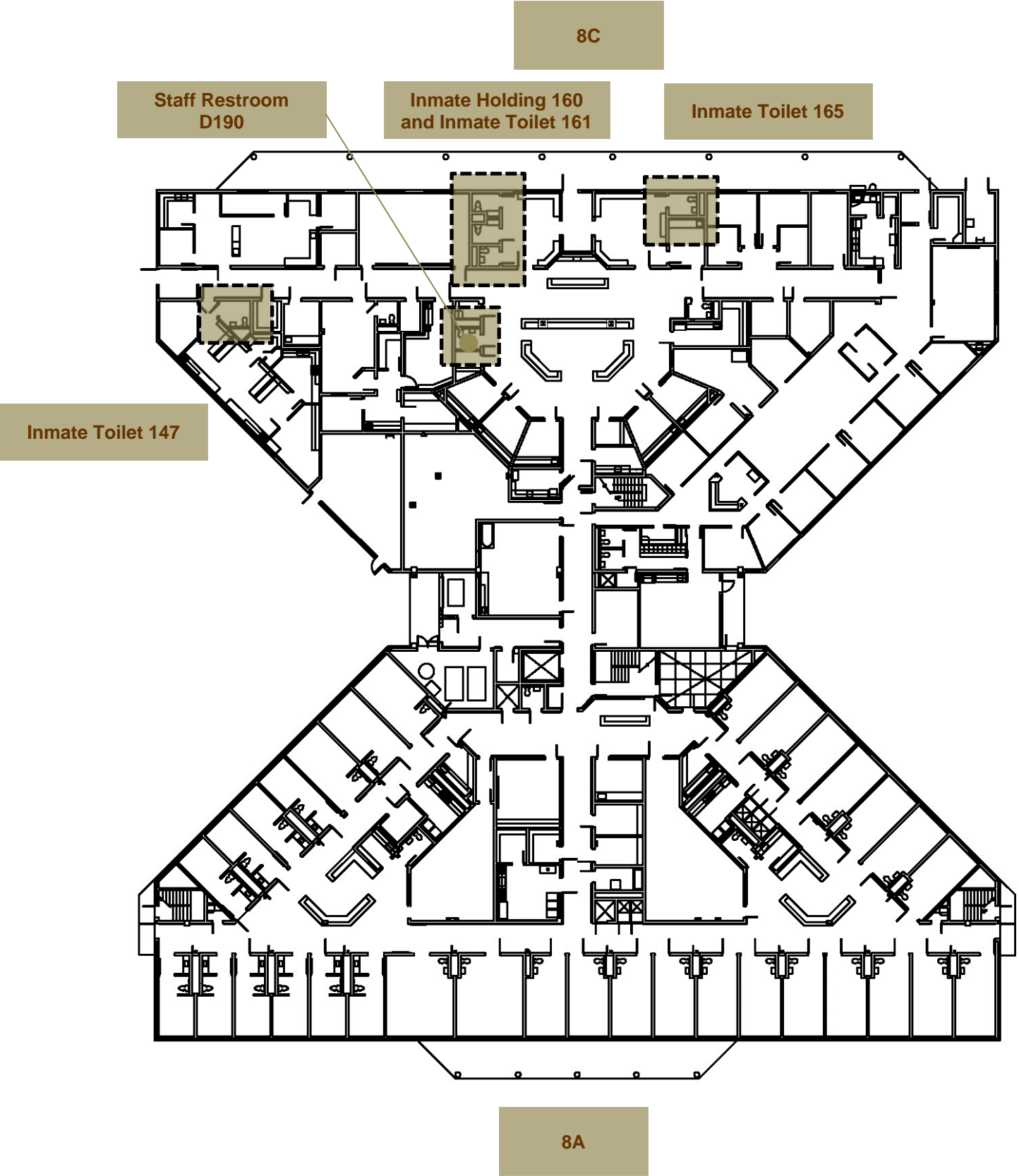
Unit 8B Section 3 Shower Proposed Plan
1/4"=1'-0"



Unit 8B Sections 2 and 4 Shower Existing Plan
1/4"=1'-0"



Unit 8B Sections 2 and 4 Shower Proposed Plan
1/4"=1'-0"



UNIT 8

UNIT 8C

1. Inmate Toilet 147

The room has adequate space for compliant elements. Some elements are non-compliant. See Toilet Room Compliance Spreadsheet and cost analysis for accessibility scope.

2. Inmate Holding 160

The existing Holding Room does not currently have adequate space for accessibility compliance. The proposal is to expand the room to have enough space for a compliant restroom. The drawings and cost analysis assume a Willoughby Industries 3696 Series Accessible Toilet/Lavatory Combination Unit. See Toilet Room Compliance spreadsheet, floor plans and cost analysis for accessibility scope.

3. Inmate Toilet 161

The existing restroom does not currently have adequate space for accessibility compliance. The proposal is to expand the room to have enough space for a compliant restroom. See Toilet Room Compliance spreadsheet, floor plans and cost analysis for accessibility scope.

4. Inmate Toilet 165

The room has adequate space for compliant elements. Some elements are non-compliant. See Toilet Room Compliance spreadsheet and cost analysis for accessibility scope.

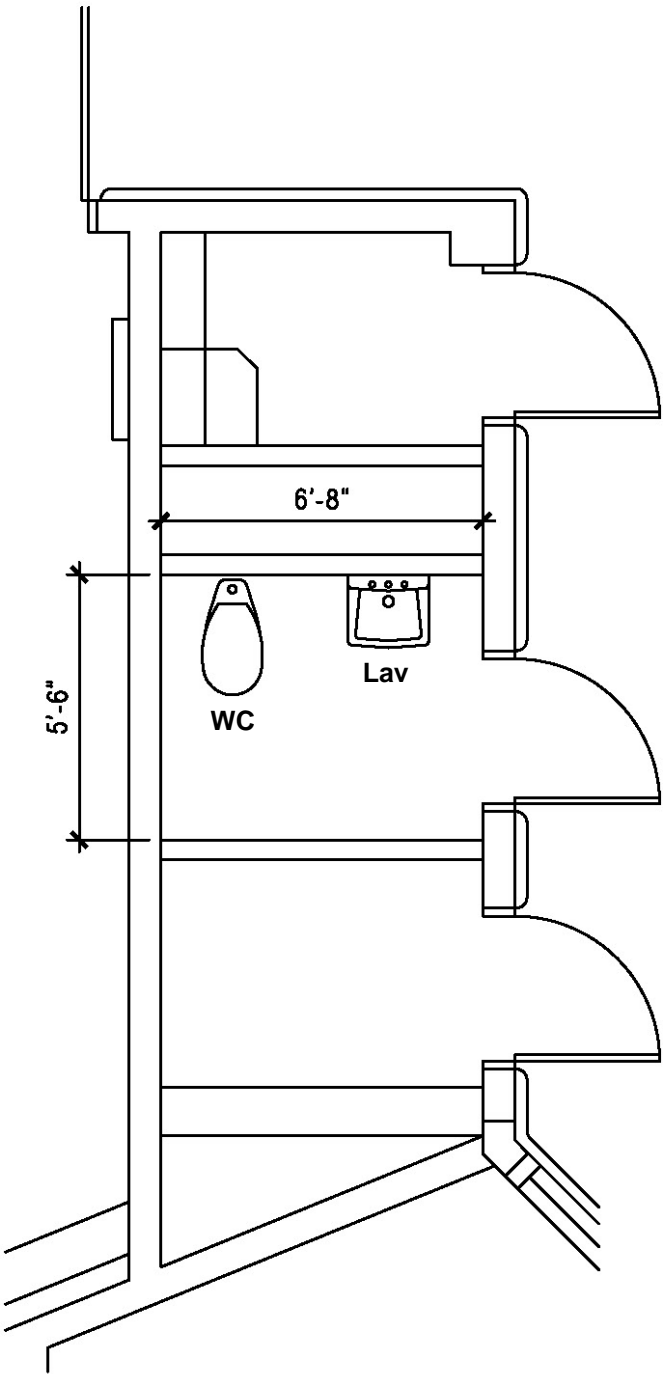
5. Staff Restroom 190

The existing restroom does not currently have adequate space for accessibility compliance. The proposal is to expand the room to have enough spaces for a compliant restroom. See Toilet Room Compliance spreadsheet, floor plans and cost analysis for accessibility scope.

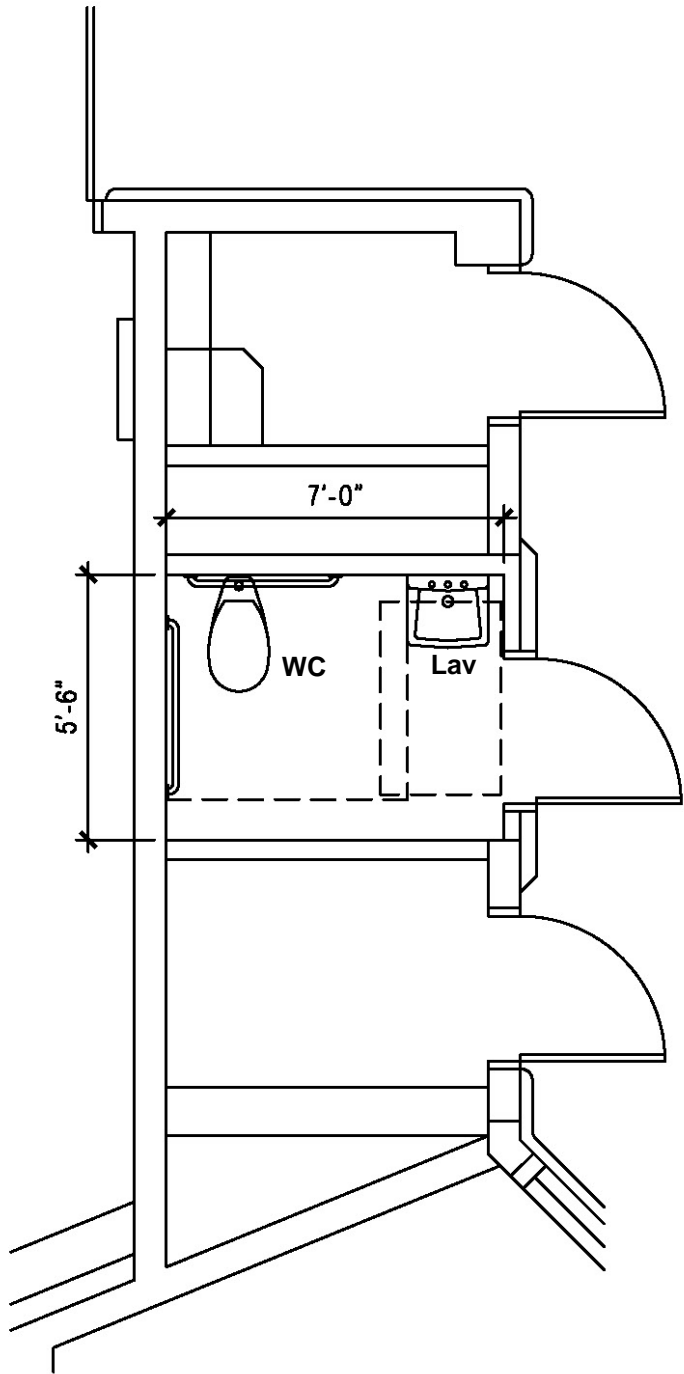


PHOTO

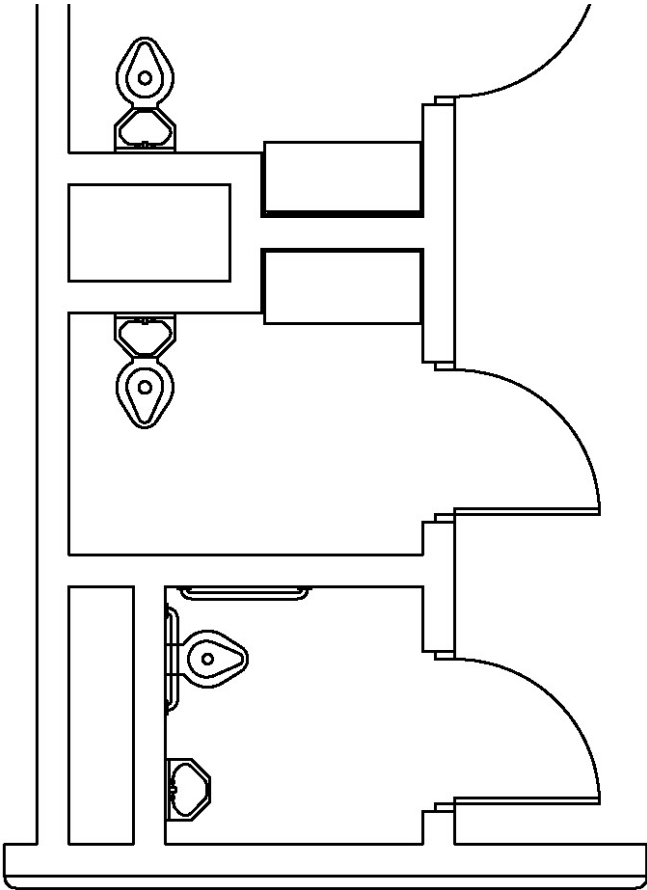
• Unit 8C Inmate Toilet D147



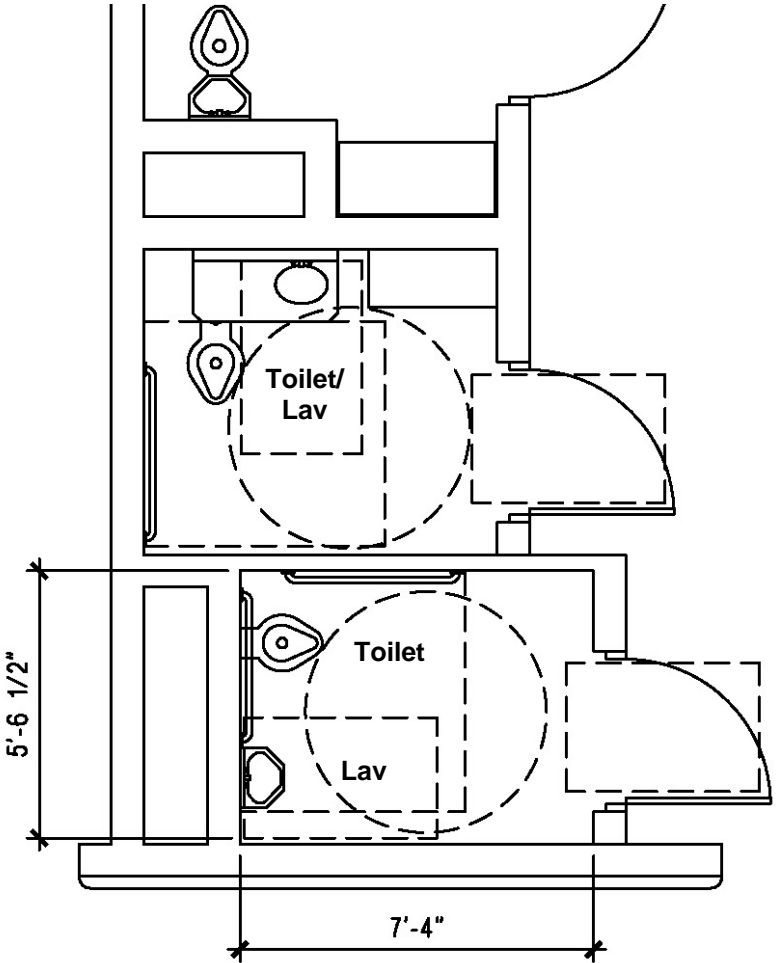
Unit 8C Staff Restroom 190 Existing Plan
1/4"=1'-0"



Unit 8C Staff Restroom 190 Proposed Plan
1/4"=1'-0"



Unit 8C Holding 160 and
Inmate Toilet 161 Existing Plan
1/4"=1'-0"

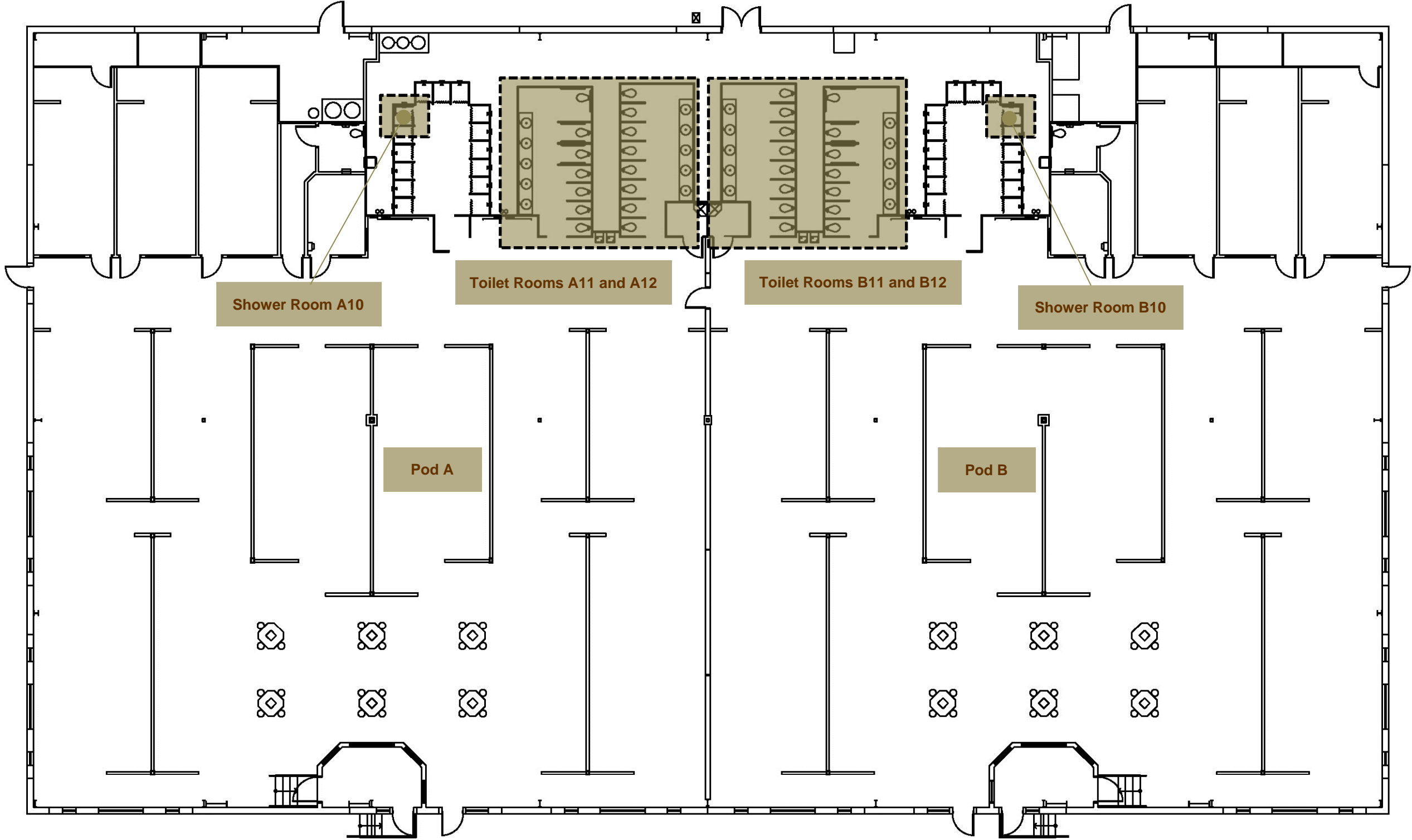


Unit 8C Holding 160 and
Inmate Toilet 161 Proposed Plan
1/4"=1'-0"



PHOTOS - left to right

- Inmate Holding 159 toilet/lavatory (160 is similar)
- Inmate Toilet 161



Unit 10 has two wings – 10A and 10B. Each wing is similar in configuration and components.

Unit 10 has two dormitory-type inmate housing spaces. Since accessibility compliance in the housing rooms will be determined by furniture, such as beds, evaluation is not included in this study. NNCC will facilitate compliance in the inmate housing rooms.

Unit 10 was constructed in 2008. It is largely compliant. Where non-compliant elements were noted, they are indicated in the Toilet Room Compliance Spreadsheet, the Shower Compliance spreadsheet and the cost analysis.

Based on population data as of April 15, 2015, Unit 10 has the following population of inmates that use walkers, wheelchairs and/or canes:

Unit 10A Current Population Percentage with Accessibility Needs	4%
Unit 10B Current Population Percentage with Accessibility Needs	2%

1. Shower Room A10 (B 10 Similar)

Showers	15 showers
Accessible Showers	1 shower
Accessible Shower Percentage	6.7%

2. Toilet Rooms A11 and A12 (B11 and B12 similar)

Water Closets	11 water closets
Accessible Standard Water Closets	1 water closet
Accessible Alternate Water Closet	2 water closets
Current Urinals	2 urinal
Current Accessible Urinals	2 urinal
Current Lavatories	10 lavatories
Current Accessible Lavatories	2 lavatory
Current Accessible Water Closet Percentage	27%
Current Accessible Urinal Percentage	100%
Current Lavatory Percentages	20%



PHOTOS – top to bottom

- Restroom B11 accessible urinal
- Pod B Day Room drinking fountain



PHOTOS – clockwise from upper left

- Restroom B11 accessible lavatory
- Restroom B11 alternate water closet stall
- Shower Room B10 accessible shower
- Restroom B11 standard water closet stall

BUILDING 1 – GATE HOUSE

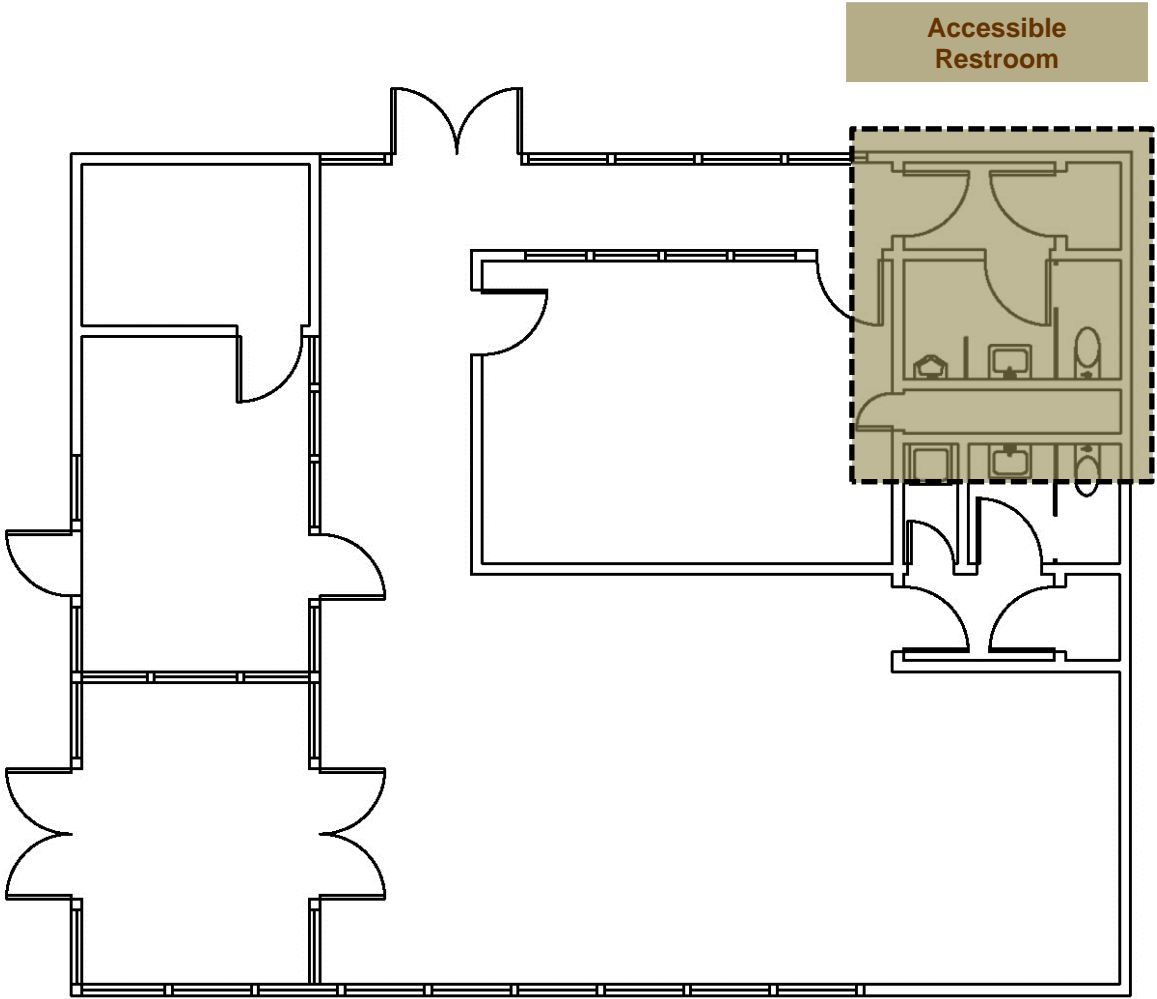
Building 1 (Gate House) does not have an accessible restroom currently. The proposed remodel to provide an accessible restroom is to convert the east restroom into a single-user restroom.

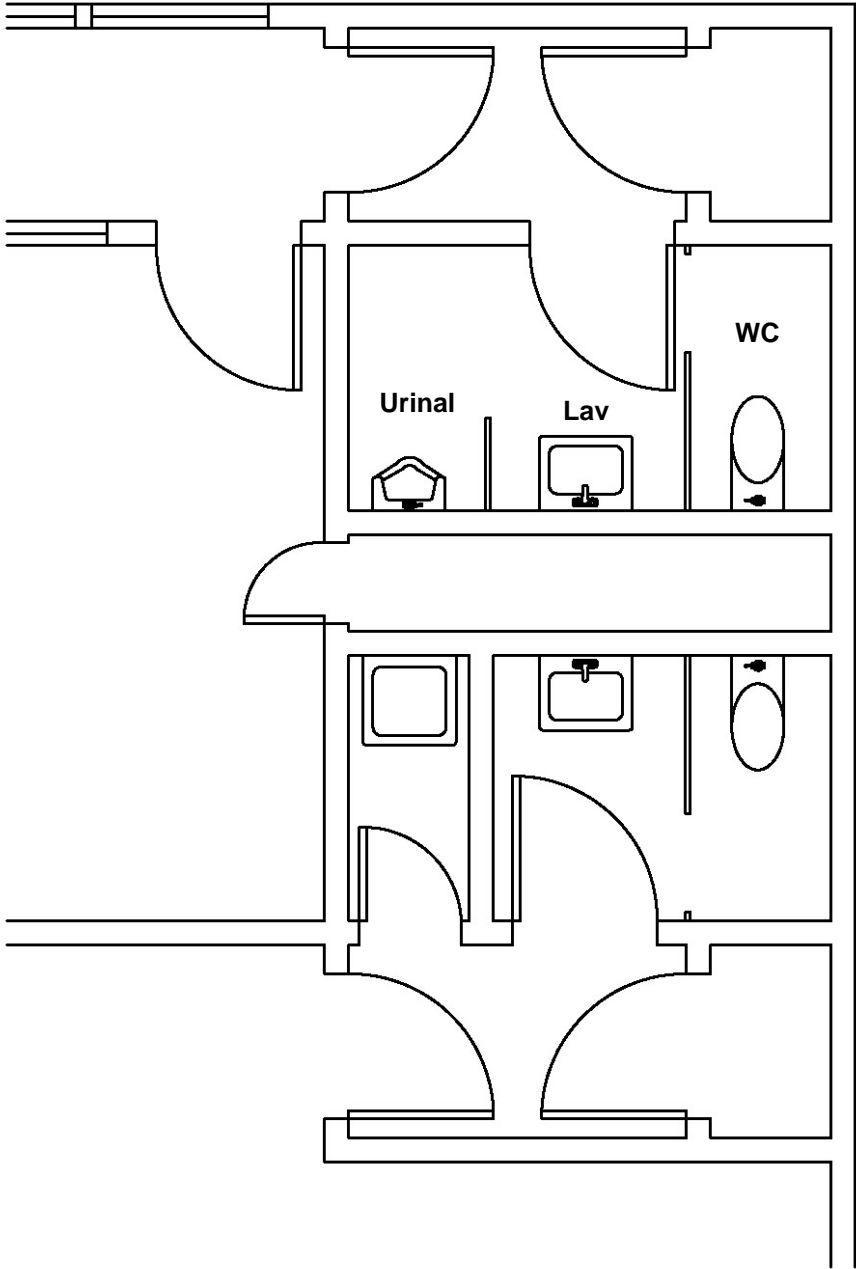
The scope is contained in the floor plans and cost analysis.



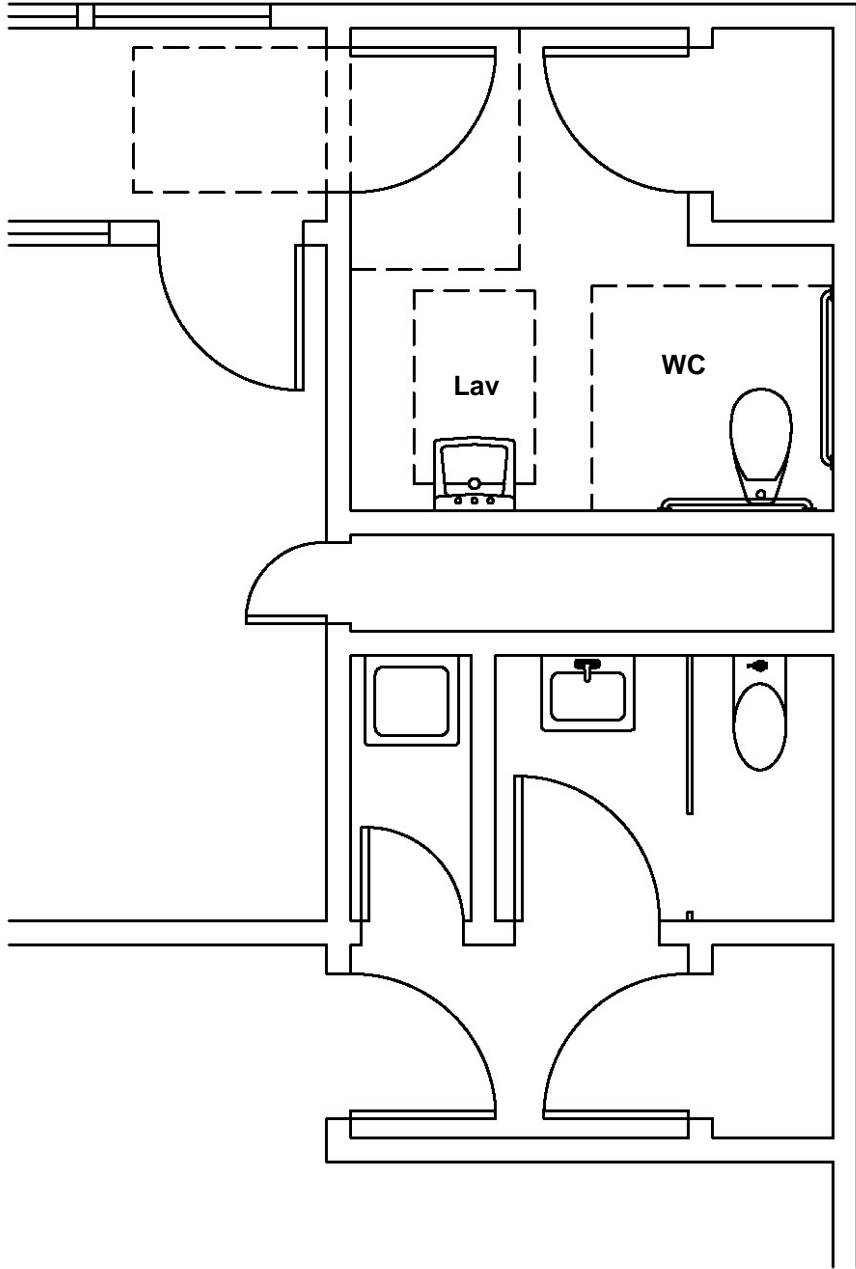
PHOTOS – top to bottom

- Existing non-compliant Men Restroom toilet compartment
- Existing non-compliant Men Restroom lavatory and urinal





Building 1 Gate House Existing Restroom Plan
1/4"=1'-0"



Building 1 Gate House Restroom Proposed Plan
1/4"=1'-0"

BUILDING 14 – VISITOR CENTER

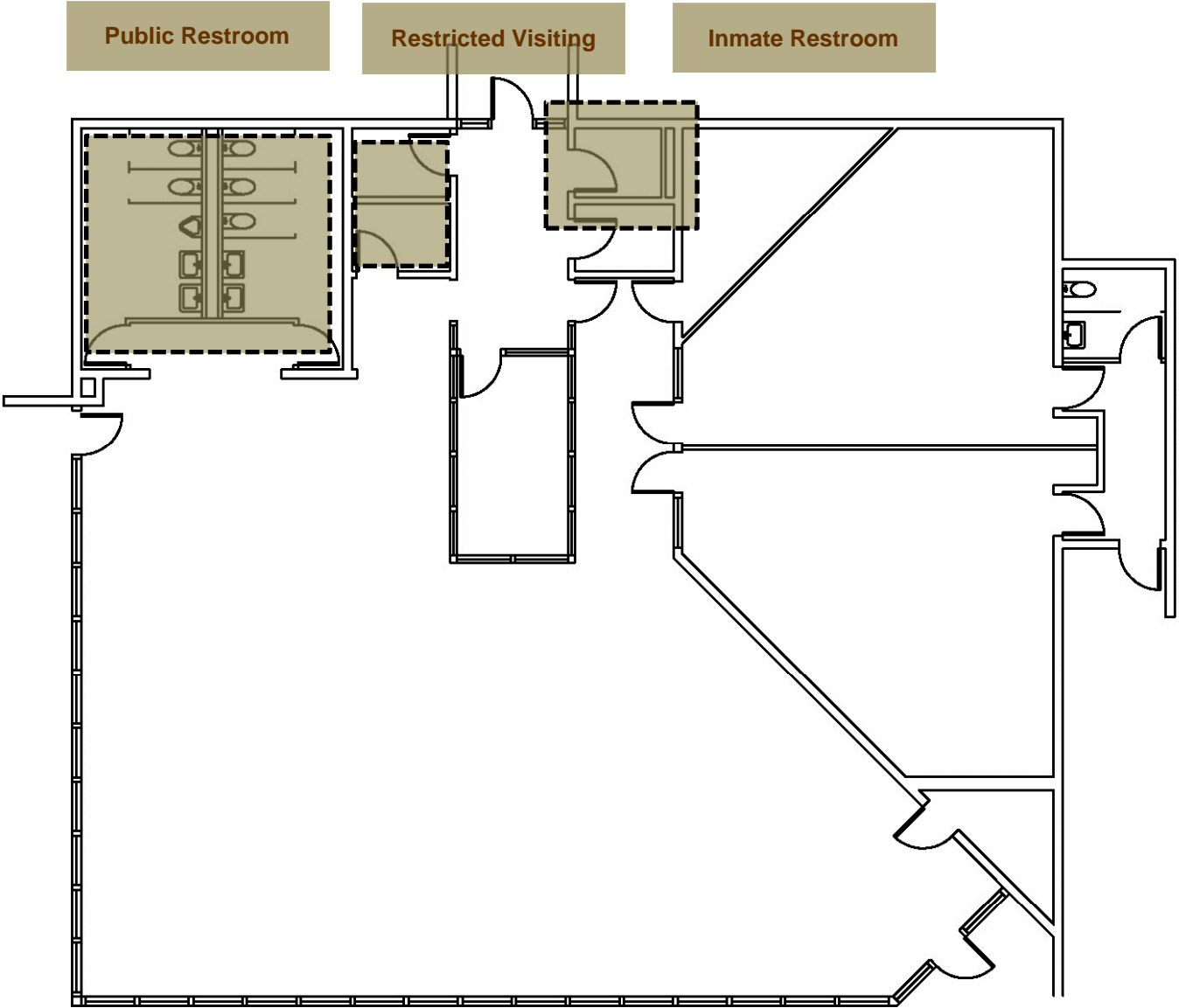
The Visitor Center portion of Building 14 houses inmate visiting. There are spaces for both public and inmates that require accessibility compliance.

Public restrooms are provided for both Men and Women visitors. These restrooms are accessible from the Visiting Room. The restrooms have undergone accessibility remodeling in the past. Many components are accessible, but there are some elements that are not compliant. The entrance into each restroom does not meet requirements for clear space for doors. The 42 inch minimum for approaching the door from the latch side to an outswinging door is not currently met. In addition to the door alterations, other minor elements are included in the Toilet Room Compliance Spreadsheet and cost analysis.

The Inmate Restroom does not currently have adequate space for accessibility compliance. The proposal is to expand the room to have enough spaces for a compliant restroom. See Toilet Room Compliance spreadsheet, floor plans and cost analysis for accessibility scope. The conceptual redesign of the Inmate restroom is for a room that complies with the “Plan 1A” in the “Guidance on the 2010 ADA Standards for Accessible Design,” Department of Justice, September 15, 2010.

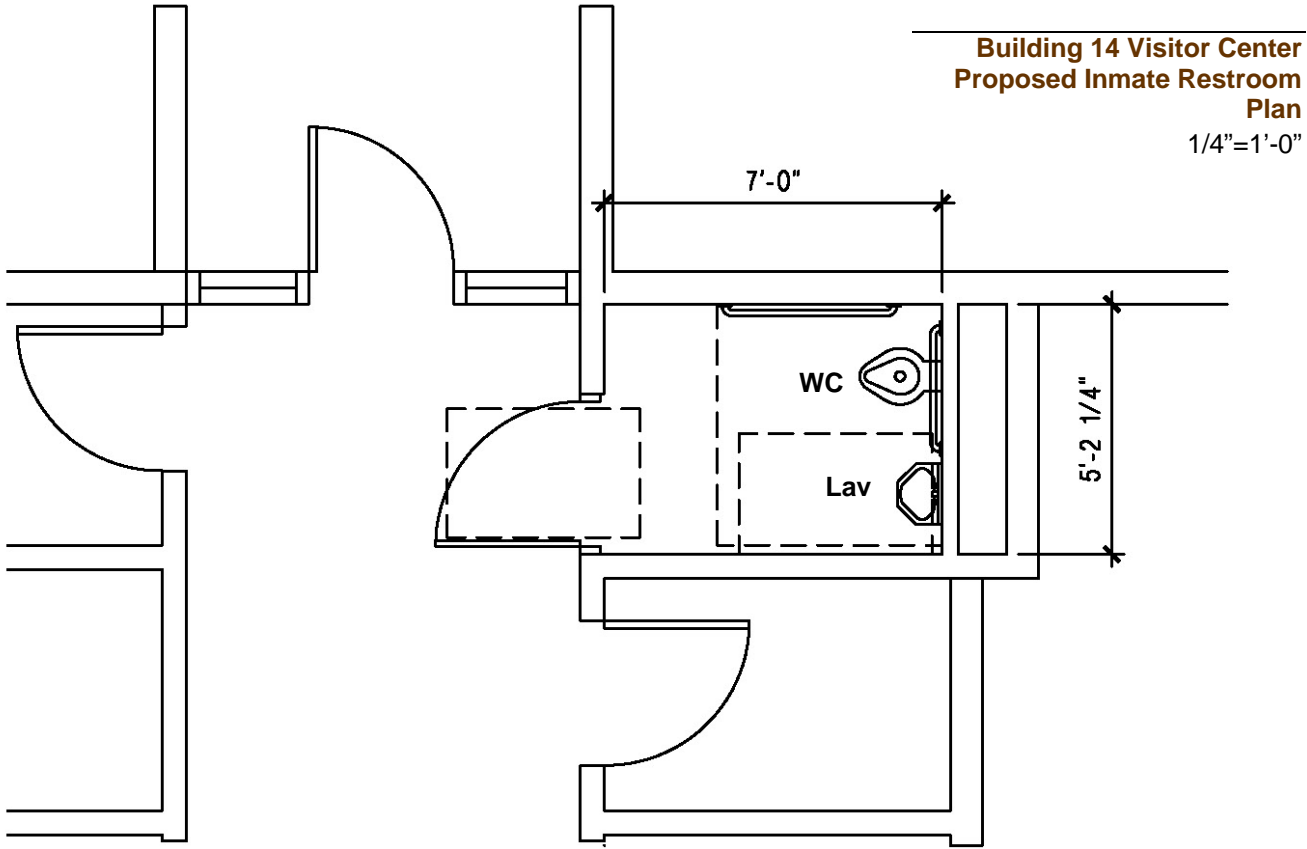
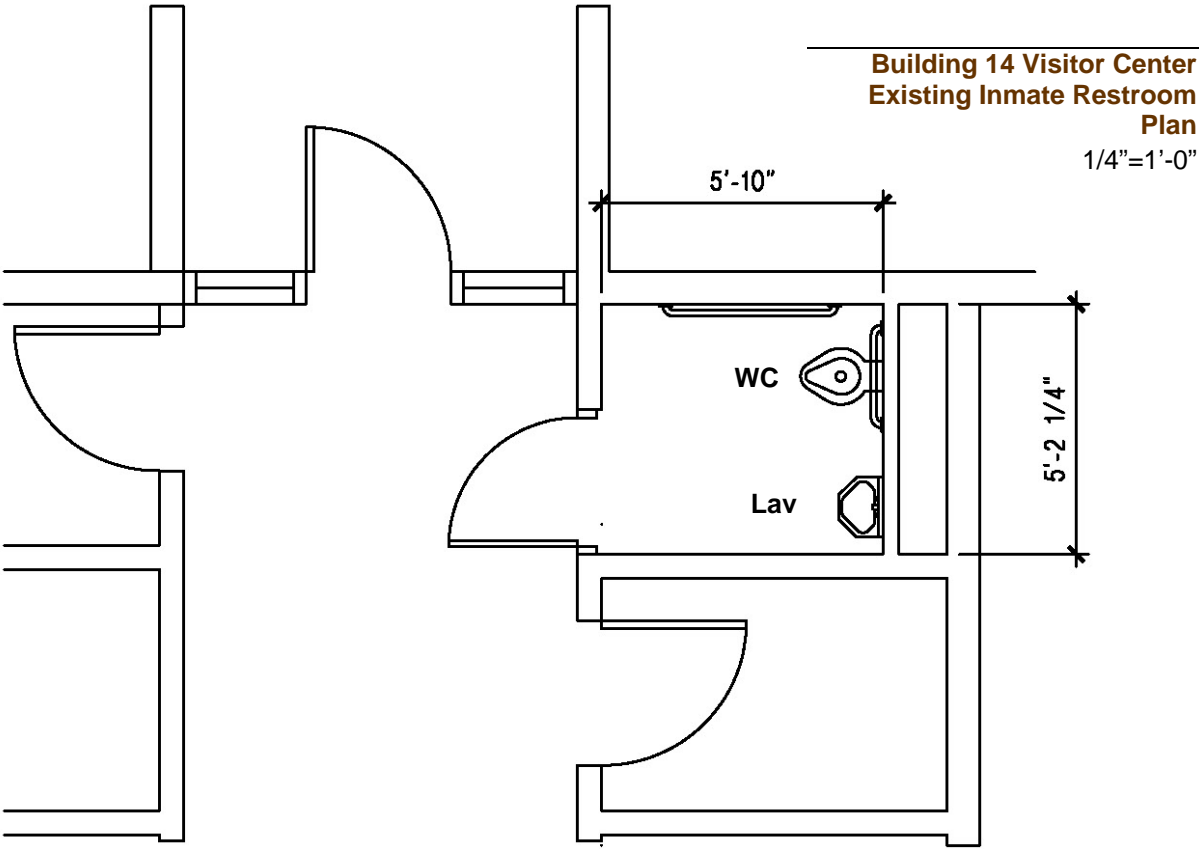
The Restricted Visiting room does not currently have adequate space for accessibility compliance in the visitor or the inmate rooms. There is no space to turn around and there is not adequate clear space at the door. The doors into the rooms are also only 29 inches clear. At this time there is not enough knowledge of the building to understand how a remodel of the Restricted Visiting area could be accomplished. The cost analysis has an allowance for design of a new Restricted Visiting space. Further discussion is needed on this item.

The exterior door on the east side of the building that allows entrance into the building by the inmates does not appear to be accessible. The door has non-compliant hardware. An allowance is included in the cost analysis for door replacement with a new door and compliant hardware.



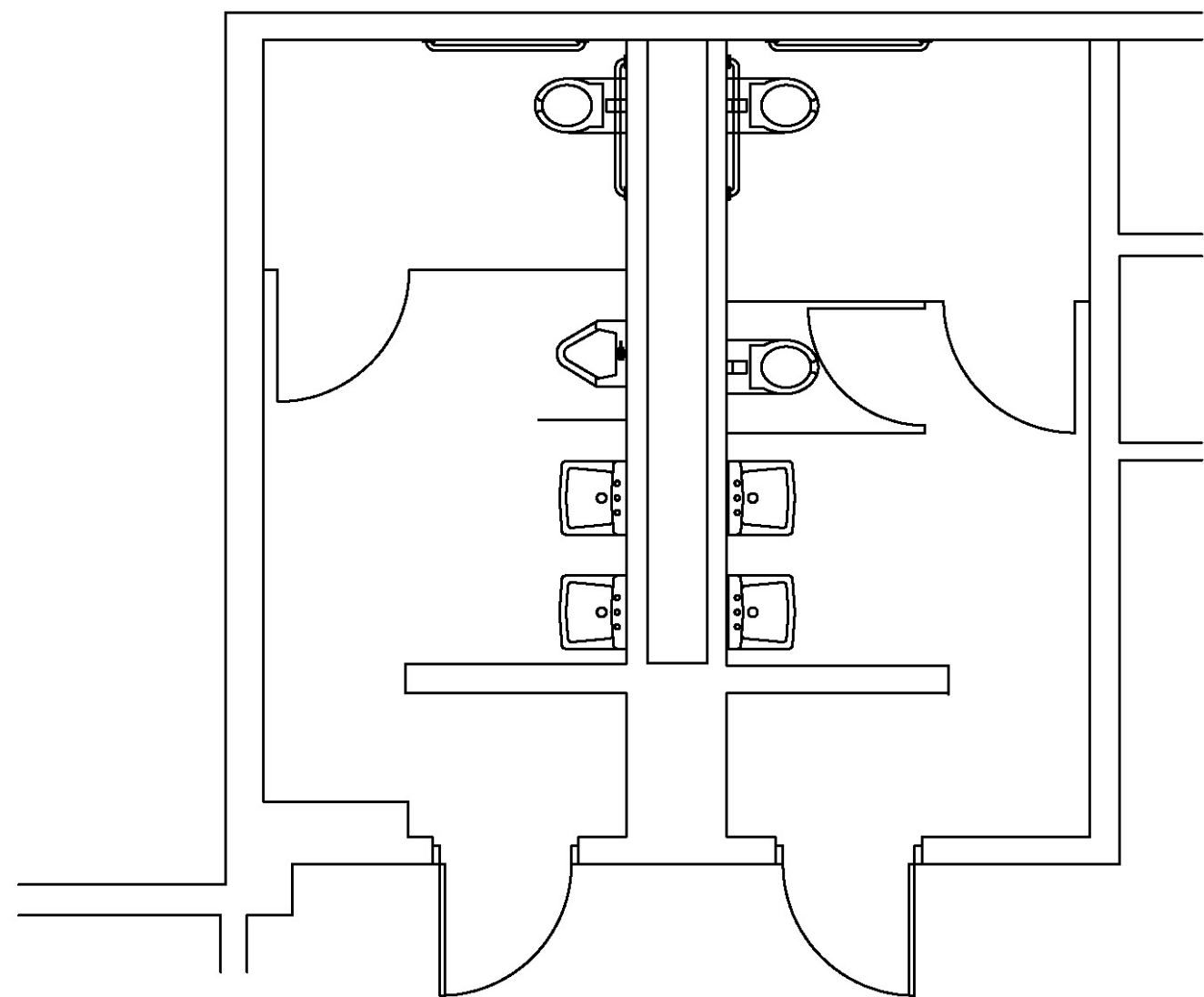
PHOTO

- Existing Inmate Restroom

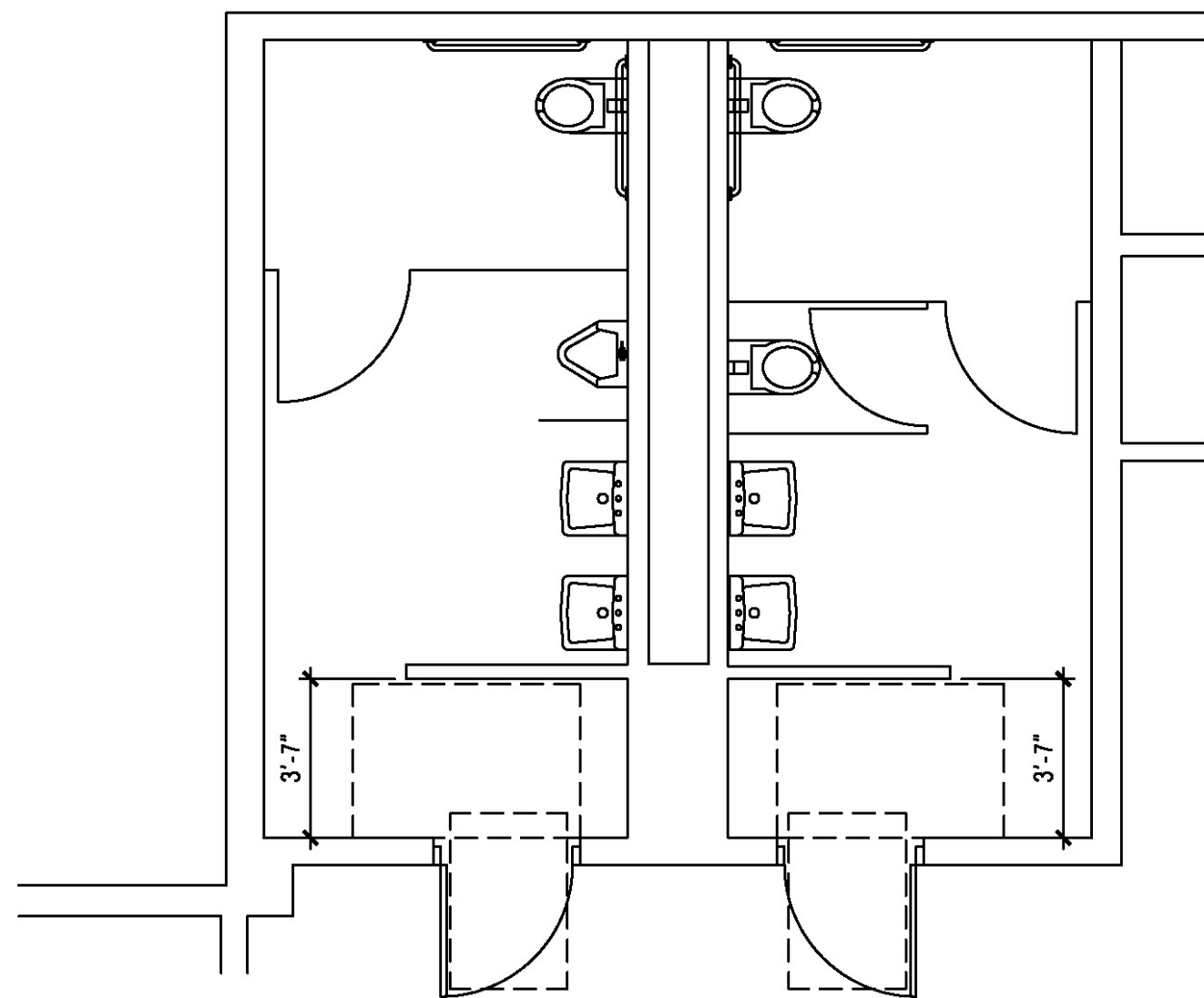


PHOTOS – left to right

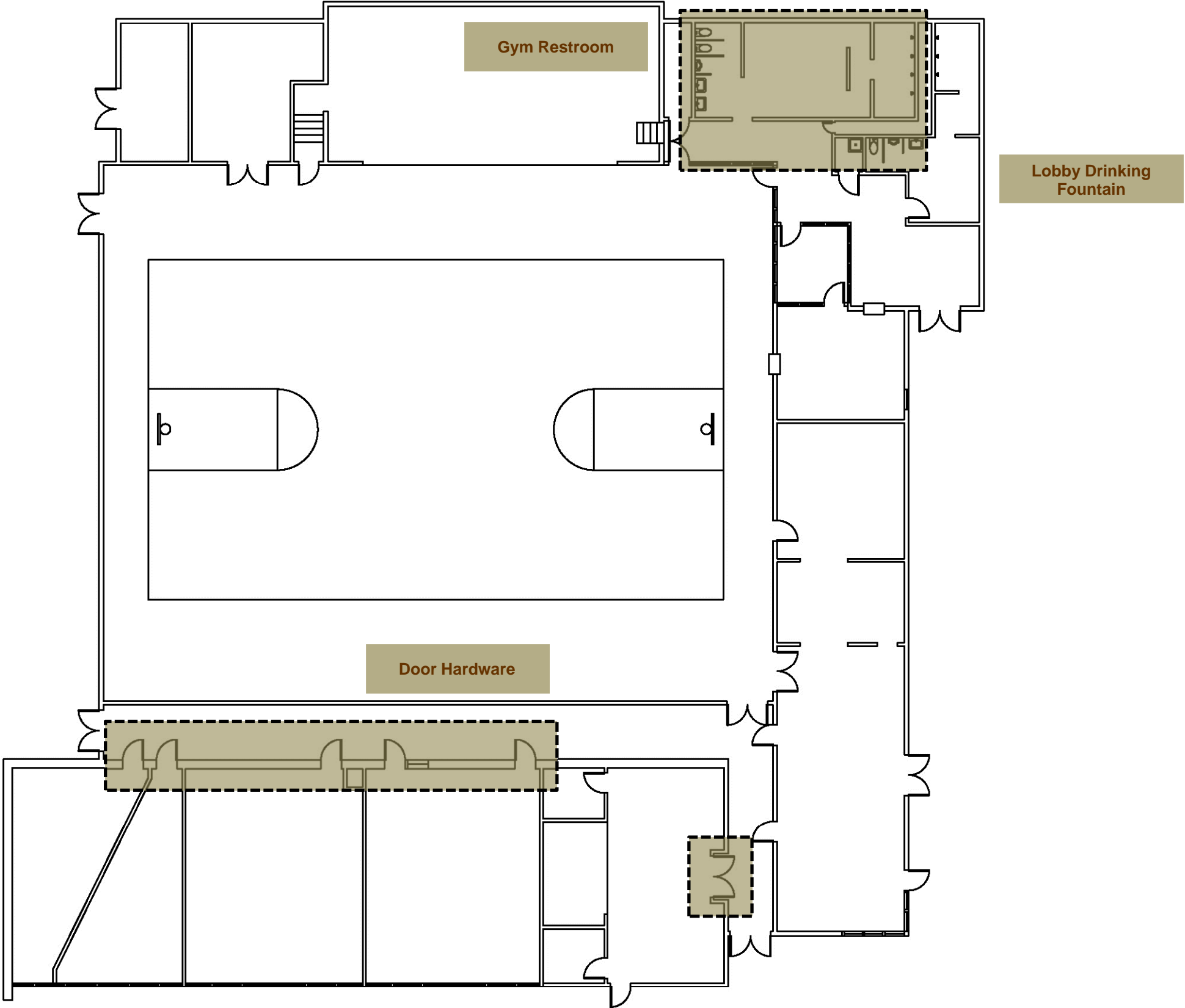
- Visitor Women Restroom non-compliant toilet accessories
- Visitor Men Restroom non-compliant urinal



Building 14 Visitor Center Existing Visitor Restroom Plan
1/4"=1'-0"



Building 14 Visitor Center Proposed Visitor Restroom Plan
1/4"=1'-0"



BUILDING 15 – GYMNASIUM / CHAPEL

The Gymnasium, Chapel, Law Library and other support spaces are in Building 15. The buiolding has several elements that are not compliant.

The restrooms and showers have otdated fixtures that are not accessible elements., At the present time, these fixtures have been turned off and are not in use. The proposal is for a fully accessible restroom and shower area. The shower area remodel will eliminate the 4 existing shower heads and controls and build two new roll-in shower stalls. One shower will have a seat. Each shower will have fixed shower heads at 48” and 72” above the floor There will also be one shower head that is not accessible. The scope is shown on the floor plans and in the cost analysis.

The drinking fountain in the Lobby adjacent to the restroom/shower area is old and not compliant. A new high/low drinking fountain is included in the cost analysis.

Door hardware into the Chapel and Law Library is not compliant. The doors have knobs on them which require twisting of the wrist. New door lever sets are included in the cost analysis.

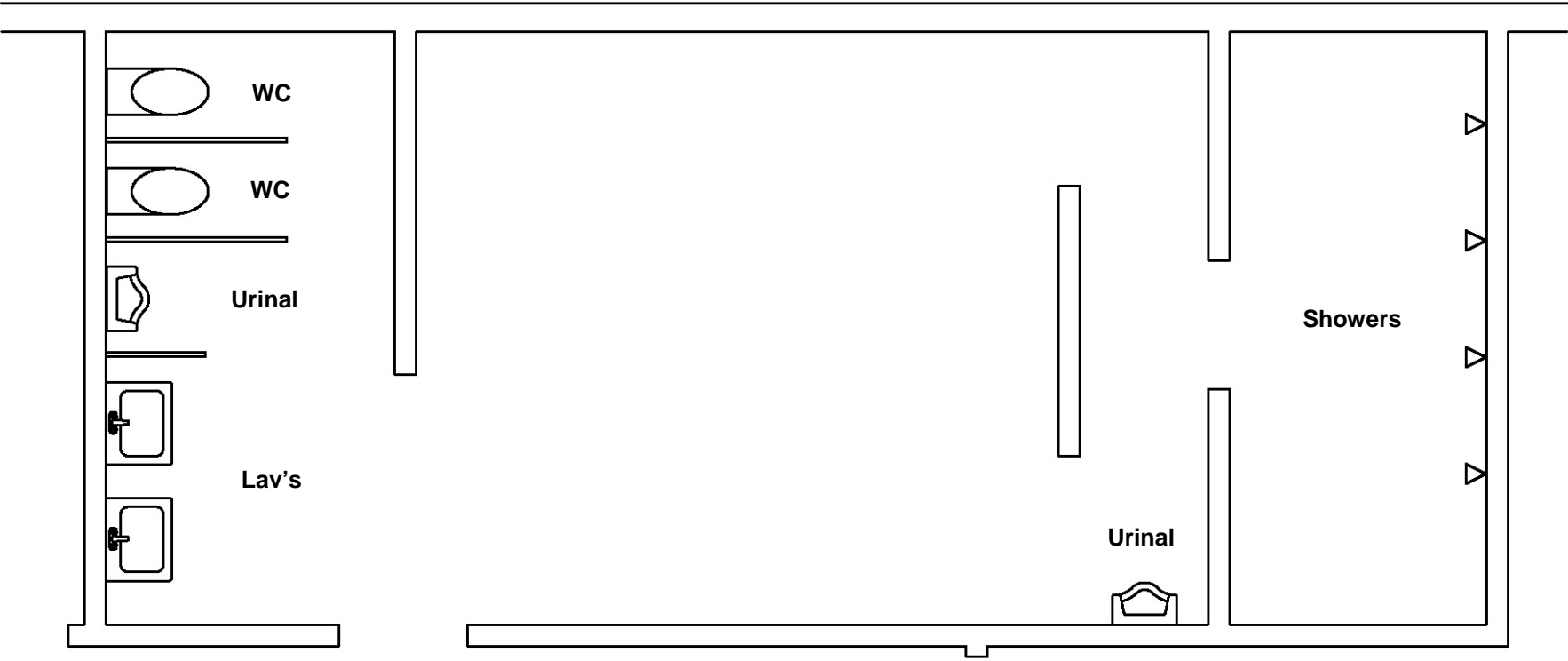


PHOTOS – left to right

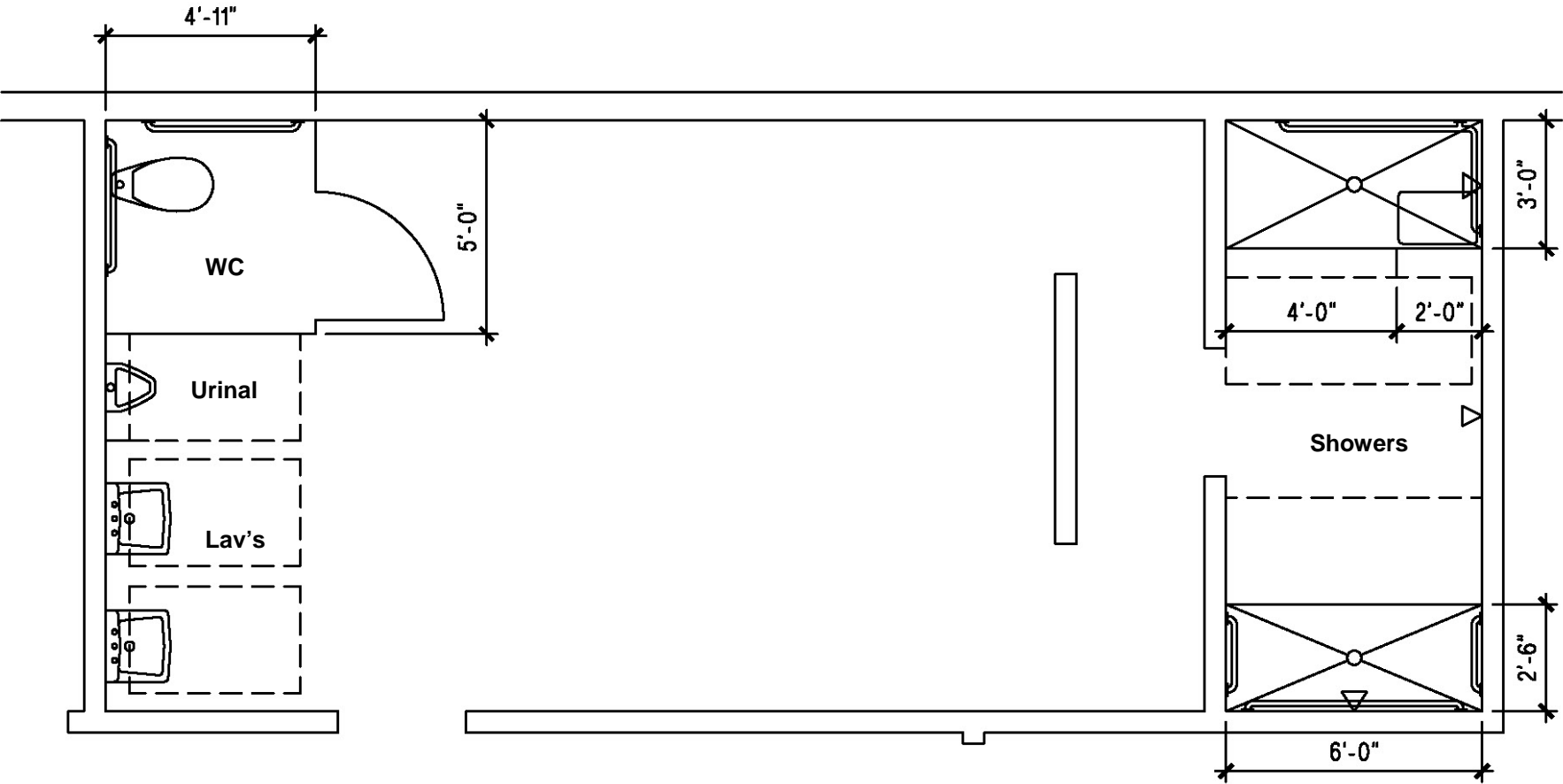
- Door knobs on doors at Chapel and Law Library
- Existing non-compliant Shower
- Existing non-compliant Restroom lavatory and mirror
-

PHOTOS – top to bottom

- Existing non-compliant Restroom water closets and urinal
- Existing non-compliant Lobby drinking fountain



Building 15 Gymnasium Existing
Restroom/Shower Area Plan
1/4"=1'-0"



Building 15 Gymnasium Proposed
Restroom/Shower Area Plan
1/4"=1'-0"

Toilet Room Compliance Spreadsheet

ADA Reference (1991 unless noted otherwise)	Technical requirements	4.22.1	4.22.3 4.23.3	4.22.2	4.16.2	4.16.4	4.16.4	4.16.4 4.17.6	4.26.2	4.26.2	4.26.3(5)	4.26.2	4.26.4	604.2 (2010)	4.16.3		4.16.5 4.27.4			
		Location	Unobstructed turning space	Door swing	Water Closet Approach	Rear Wall Grab Bar - Water Closet Not in Stall	Side Wall Grab Bar - Water Closet Not in Stall	Mounting height for horizontal grab bars	Outside diameter of grab bars	Clearance between grab bar and wall	Grab bars are fixed	Clearance of grab bars in a recess	Hazards	Water Closet Location	Top of toilet seat	Toilet seat type	Toilet flush controls	Toilet controls height	Toilet controls height	Toilet Control Location
		Toilet room located on an accessible route	60" diameter circle or T- shaped space	Does not intrude into clear space at fixtures	Clear floor space of 60 inches wide by 56 inches deep - Figure 28	36" long min. centered on water closet with 12" min. on one side of centerline of water closet - Figure 29	42" in min. length with 12" max. back wall - Figure 29	33-36" above floor - Figure 29 & Figure 30	1 1/4" to 1 1/2" o.d. or equiv. gripping surface	1 1/2" exactly	Grab bars do not rotate in their own fittings	3" max. in depth 18" min. above rail	Grab bars & adjacent walls free of sharp or abrasive elements	17 inches minimum to 19 inches maximum from wall or partition	17"-19" from floor	Seat does not automatically spring back	Automatic or operable w/ one hand w/o grasp, pinch or twist	44" maximum	Operable parts shall be placed within one or more of the reach ranges - 48" maximum	Wide side of toilet at clear floor spacing
Unit 1 Wing A Room 2	Yes	Yes	Yes	N/A	Yes	36" long w/ 12" from centerline	42" long w/ 12" from wall	34"	1-1/2"	1-1/2"	Yes	N/A	Yes	18"	18"	No seat	Yes Push Button	35"	Yes	Yes
Unit 1 Wing A Room 3	Yes	Yes	Yes	N/A	Yes	36" long w/ 12" from centerline	42" long w/ 12" from wall	34"	1-1/2"	1-1/2"	Yes	N/A	Yes	18"	18"	No seat	Yes Push Button	35"	Yes	Yes
Unit 1 Wing B Room 2	Yes	Yes	Yes	N/A	Yes	36" long w/ 12" from centerline	42" long w/ 12" from wall	33-1/2"	1-1/2"	1-1/2"	Yes	N/A	Yes	18"	18"	No seat	Yes Push Button	35"	Yes	Yes
Unit 1 Wing B Room 3	Yes	Yes	Yes	N/A	Yes	36" long w/ 13" from centerline	42" long w/ 12" from wall	33-1/2"	1-1/2"	1-1/2"	Yes	N/A	Yes	17-1/2"	18"	No seat	Yes Push Button	35-1/2"	Yes	Yes
Unit 1 Wing C Room 2	Yes	Yes	Yes	N/A	Yes	36" long w/ 12" from centerline	42" long w/ 12" from wall	33"	1-1/2"	1-1/2"	Yes	N/A	Yes	18"	18"	No seat	Yes Push Button	35"	Yes	Yes
Unit 1 Wing C Room 3	Yes	Yes	Yes	N/A	Yes	36" long w/ 12" from centerline	42" long w/ 12" from wall	33"	1-1/2"	1-1/2"	Yes	N/A	Yes	18"	18"	No seat	Yes Push Button	35"	Yes	Yes
Unit 2 Wing A Room 2	Yes	Yes	Yes	N/A	Yes	36" long w/ 11" from centerline	42" long w/ 12" from wall	33"	1-1/2"	1-1/2"	Yes	N/A	Yes	17-1/2"	18"	No seat	Yes Push Button	34"	Yes	Yes
Unit 2 Wing A Room 3	Yes	Yes	Yes	N/A	Yes	36" long w/ 11" from centerline	42" long w/ 12" from wall	33"	1-1/2"	1-1/2"	Yes	N/A	Yes	17-1/2"	18"	No seat	Yes Push Button	34"	Yes	Yes
Unit 2 Wing B Room 2	Yes	Yes	Yes	N/A	Yes	36" long w/ 12" from centerline	42" long w/ 12" from wall	34"	1-1/2"	1-1/2"	Yes	N/A	Yes	18"	18"	No seat	Yes Push Button	34"	Yes	Yes
Unit 2 Wing B Room 3	Yes	Yes	Yes	N/A	Yes	36" long w/ 12" from centerline	42" long w/ 12" from wall	34"	1-1/2"	1-1/2"	Yes	N/A	Yes	18"	18"	No seat	Yes Push Button	34"	Yes	Yes
Unit 2 Wing C Room 2	Yes	Yes	Yes	N/A	Yes	36" long w/ 12" from centerline	42" long w/ 12" from wall	33"	1-1/2"	1-1/2"	Yes	N/A	Yes	17-1/2"	18"	No seat	Yes Push Button	35"	Yes	Yes
Unit 2 Wing C Room 3	Yes	Yes	Yes	N/A	Yes	36" long w/ 12" from centerline	42" long w/ 12" from wall	33"	1-1/2"	1-1/2"	Yes	N/A	Yes	17-1/2"	18"	No seat	Yes Push Button	35"	Yes	Yes
Unit 3 Wing A Room 2	Yes	Yes	Yes	N/A	Yes	36" long w/ 12" from centerline	42" long w/ 12" from wall	35"	1-1/2"	1-1/2"	Yes	N/A	Yes	18"	18"	No seat	Yes Push Button	28"	Yes	Yes
Unit 3 Wing A Room 3	Yes	Yes	Yes	N/A	Yes	36" long w/ 12" from centerline	42" long w/ 12" from wall	34-1/2"	1-1/2"	1-1/2"	Yes	N/A	Yes	18"	18"	No seat	Yes Push Button	28"	Yes	Yes
Unit 3 Wing B Room 2	Yes	Yes	Yes	N/A	Yes	36" long w/ 12" from centerline	42" long w/ 12" from wall	34-1/2"	1-1/2"	1-1/2"	Yes	N/A	Yes	17-1/2"	18"	No seat	Yes Push Button	28"	Yes	Yes
Unit 3 Wing B Room 3	Yes	Yes	Yes	N/A	Yes	36" long w/ 12" from centerline	42" long w/ 11-1/2" from wall	35"	1-1/2"	1-1/2"	Yes	N/A	Yes	18"	18"	No seat	Yes Push Button	29-1/2"	Yes	Yes
Unit 3 Wing C Room 2	Yes	Yes	Yes	N/A	Yes	36" long w/ 12" from centerline	42" long w/ 12" from wall	35"	1-1/2"	1-1/2"	Yes	N/A	Yes	17-1/2"	18"	No seat	Yes Push Button	28"	Yes	Yes
Unit 3 Wing C Room 3	Yes	Yes	Yes	N/A	Yes	36" long w/ 12" from centerline	42" long w/ 12" from wall	35"	1-1/2"	1-1/2"	Yes	N/A	Yes	17-1/2"	18"	No seat	Yes Push Button	28"	Yes	Yes
Unit 4 Wing A Cell 29		Non Compliant																		
Unit 4 Wing A Cell 30		Non Compliant																		
Unit 5 Wing A Cell 28		Non Compliant																		

Toilet Room Compliance Spreadsheet

ADA Reference (1991 unless noted otherwise)	4.22.5 4.23.5	4.22.5 4.23.5	4.18.3 4.2.4			4.18.4 4.27.4	4.18.4	4.19.2	4.19.2	4.19.2	4.19.3 4.2.4	4.19.3	4.19.4	4.19.4	4.19.5 4.27.4	4.19.5	4.19.6
Technical requirements	Urinal type	Urinal Rim Height	Clear floor space allowing forward approach to urinal	Accessible route	Width between urinal shields	Urinal Flush Controls	Urinal control height	Lavatory rim height or counter surface height	Knee Clearance	Wall projection of lavatory project	Clear floor space in front of lavatory allowing forward approach	Accessible route	Pipe Shielding	Smooth surfaces	Faucet operation	Self Closing Faucet Value	Mirrors-bottom edge of reflecting surface
	Urinal is elongated type	17" max. above floor	30" x 48" min.	Clear floor space for urinal adjoin or overlap	29" minimum	Automatic or operable w/ one hand w/o grasp. pinch or twist	44" max. above floor	34" max.	29" min. to bottom of apron	17" min. from wall (Figure 31)	30" x 48" min.	Floor space (adjoin or overlap)	Hot water and drain pipes insulated or protected	Area below lavatory free of sharp or abrasive surfaces	Automatic or operable w/ one hand w/o grasp. pinch or twist	Remains open 10 sec. min.	40" max. from floor
Unit 1 Wing A Room 2	Yes	17"	32" x >48"	Yes	N/A	Yes Push Button	35"	34"	29"	18"	>30" x >48"	Yes	Yes	Yes	Yes Push Button	Yes	37-1/2"
Unit 1 Wing A Room 3	Yes	17"	32" x >48"	Yes	N/A	Yes Push Button	35"	34"	29"	18"	>30" x >48"	Yes	Yes	Yes	Yes Push Button	Yes	37-1/2"
Unit 1 Wing B Room 2	Yes	17"	31" x >48"	Yes	N/A	Yes Push Button	35"	34"	29"	18"	>30" x >48"	Yes	Yes	Yes	Yes Push Button	Yes	37-1/2"
Unit 1 Wing B Room 3	Yes	16-1/2"	31" x >48"	Yes	N/A	Yes Push Button	35-1/2"	34"	29"	18"	>30" x >48"	Yes	Yes	Yes	Yes Push Button	Yes	37-1/2"
Unit 1 Wing C Room 2	Yes	17"	32-1/2" x >48"	Yes	N/A	Yes Push Button	35"	34"	29"	18"	>30" x >48"	Yes	Yes	Yes	Yes Push Button	Yes	37-1/2"
Unit 1 Wing C Room 3	Yes	17"	32-1/2" x >48"	Yes	N/A	Yes Push Button	35"	34"	29"	18"	>30" x >48"	Yes	Yes	Yes	Yes Push Button	Yes	37-1/2"
Unit 2 Wing A Room 2	Yes	17"	30-1/2" x >48"	Yes	N/A	Yes Push Button	35-1/2"	34"	29"	18"	>30" x >48"	Yes	Yes	Yes	Yes Push Button	Yes	37-1/2"
Unit 2 Wing A Room 3	Yes	16-1/2"	31" x >48"	Yes	N/A	Yes Push Button	35-1/2"	34"	29"	18"	>30" x >48"	Yes	Yes	Yes	Yes Push Button	Yes	37-1/2"
Unit 2 Wing B Room 2	Yes	17"	30-1/2" x >48"	Yes	N/A	Yes Push Button	35"	34	29"	18"	>30" x >48"	Yes	Yes	Yes	Yes Push Button	Yes	37-1/2"
Unit 2 Wing B Room 3	Yes	16-1/2"	z 12	Yes	N/A	Yes Push Button	35"	34"	29"	18"	>30" x >48"	Yes	Yes	Yes	Yes Push Button	Yes	37-1/2"
Unit 2 Wing C Room 2	Yes	17"	31" x >48"	Yes	N/A	Yes Push Button	35"	34	29"	18"	>30" x >48"	Yes	Yes	Yes	Yes Push Button	Yes	37-1/2"
Unit 2 Wing C Room 3	Yes	17"	31" x >48"	Yes	N/A	Yes Push Button	35-1/2"	34"	29"	18"	>30" x >48"	Yes	Yes	Yes	Yes Push Button	Yes	37-1/2"
Unit 3 Wing A Room 2	Yes	17"	32-3/4" x > 48"	Yes	N/A	Yes Push Button	41-1/2"	34-1/4"	29-1/4"	18"	>30" x >48"	Yes	Yes	Yes	Yes Push Button	Yes	38"
Unit 3 Wing A Room 3	Yes	17"	33" x > 48"	Yes	N/A	Yes Push Button	41-1/2"	34"	29"	18"	>30" x >48"	Yes	Yes	Yes	Yes Push Button	Yes	39-1/2"
Unit 3 Wing B Room 2	Yes	17"	31" x >48"	Yes	N/A	Yes Push Button	41-1/2"	34"	29"	18"	>30" x >48"	Yes	Yes	Yes	Yes Push Button	Yes	38-3/4"
Unit 3 Wing B Room 3	Yes	17"	32" x >48"	Yes	N/A	Yes Push Button	41"	33"	28"	18"	>30" x >48"	Yes	Yes	Yes	Yes Push Button	Yes	37-3/4"
Unit 3 Wing C Room 2	Yes	17"	31" x >48"	Yes	N/A	Yes Push Button	41"	34"	29"	18"	>30" x >48"	Yes	Yes	Yes	Yes Push Button	Yes	38-3/4"
Unit 3 Wing C Room 3	Yes	17"	32" x >48"	Yes	N/A	Yes Push Button	41"	34"	29"	18"	>30" x >48"	Yes	Yes	Yes	Yes Push Button	Yes	38-3/4"
Unit 4 Wing A Cell 29	Non Compliant																
Unit 4 Wing A Cell 30	Non Compliant																
Unit 5 Wing A Cell 28	Non Compliant																

Toilet Room Compliance Spreadsheet

ADA Reference (1991 unless noted otherwise)																			
Technical requirements	Location	Unobstructed turning space	Door swing	Water Closet Approach	Rear Wall Grab Bar - Water Closet Not in Stall	Side Wall Grab Bar - Water Closet Not in Stall	Mounting height for horizontal grab bars	Outside diameter of grab bars	Clearance between grab bar and wall	Grab bars are fixed	Clearance of grab bars in a recess	Hazards	Water Closet Location	Top of toilet seat	Toilet seat type	Toilet flush controls	Toilet controls height	Toilet controls height	Toilet Control Location
	Toilet room located on an accessible route	60" diameter circle or T- shaped space	Does not intrude into clear space at fixtures	Clear floor space of 60 inches wide by 56 inches deep - Figure 28	36" long min. centered on water closet with 12" min. on one side of centerline of water closet - Figure 29	42" in min. length with 12" max. back wall - Figure 29	33-36" above floor - Figure 29 & Figure 30	1 1/4" to 1 1/2" o.d. or equiv. gripping surface	1 1/2" exactly	Grab bars do not rotate in their own fittings	3" max. in depth 18" min. above rail	Grab bars & adjacent walls free of sharp or abrasive elements	17 inches minimum to 19 inches maximum from wall or partition	17"-19" from floor	Seat does not automatically spring back	Automatic or operable w/ one hand w/o grasp, pinch or twist	44" maximum	Operable parts shall be placed within one or more of the reach ranges - 48" maximum	Wide side of toilet at clear floor spacing
Unit 5 Wing A Cell 29	Non Compliant																		
Unit 6 Wing A Cell 14	Non Compliant																		
Unit 7A Cell 9	Non Compliant																		
Unit 7A Cell 22	Yes	Yes	Yes	Yes	24" long w/ 12" centerline	36" long with 12" from wall	36-1/4"	1-1/2"	1-1/2"	Yes	N/A	Yes	18"	18"	No seat	Yes Push Button	40"	Yes	Yes
Unit 8A Room 252	Yes	No	Yes	No	30" long w/ 15- 1/2" Centerline	48" long with 3- 1/2" from wall	33-1/2"	1-1/2"	1-1/2"	Yes	N/A	Yes	18"	18-1/2"	Yes	Yes	24"	Yes	No
Unit 8A Cell 7	Yes	Yes	Yes	No	30" long w/ 15- 1/2" Centerline	48" long with 3- 1/2" from wall	33-1/2"	1-1/2"	1-1/2"	Yes	N/A	Yes	19"	15" wall mounted	No seat	Yes Push Button	40"	Yes	Yes
Unit 8A Isolation Cell 21	Non Compliant																		
Unit 8A Cell 31	Non Compliant																		
Unit 8C Inmate Toilet 147	Yes	Yes	Yes	Yes	30" long w/ 15- 1/2" Centerline	48" long with 6" from wall	33-1/4"	1-1/4"	1-1/4"	Yes	N/A	Yes	18"	15" wall mounted	No seat	Yes	38-1/2"	Yes	Yes
Unit 8C Inmate Holding 160	Non Compliant																		
Unit 8C Inmate Restroom 161	Non Compliant																		
Unit 8C Inmate Toilet 165	Yes	Yes	Yes	Yes	30" long with 15" centerline	48" long with 6" from wall	33-1/2"	1-1/4"	1-1/4"	Yes	N/A	Yes	17	15-1/2" wall mounted	No seat	Yes Push Button	39-1/4"	Yes	Yes
Unit 8C Staff Restroom 190	Non Compliant																		
Unit 10 Wing A Restroom A11	Yes			Yes	36" long w/ 12" from centerline	42" long w/ 12" from wall	34-1/2"	1-1/2"	1-1/2"	Yes	N/A	Yes	18"	18"	No seat	Yes Push Button	42"	40-1/2"	Yes
Unit 10 Wing B Restroom B11	Yes			Yes	36" long w/ 12" from centerline	42" long w/ 12" from wall	34-1/2"	1-1/2"	1-1/2"	Yes	N/A	Yes	18"	18"	No seat	Yes Push Button	42"	40-1/2"	Yes
Building 1 Gate House Men Restroom	Non Compliant																		
Building 1 Gate House Women Restroom	Non Compliant																		
Building 14 Visiting Bldg Inmate Restroom	Yes				24" long w/12" from centerline	42" long w/ 12" from wall	34-3/4"	1-1/2"	1-1/2"	Yes		Yes	17-1/2"	18"	No seat	Yes lever	28"		Yes
Building 14 Visiting Public Restroom Men	Yes	Yes	Yes	Yes	36" long w/ 12" centerline	48" long with 5" from wall	35-3/4"	1-1/2"	1-1/2"	Yes	N/A	Yes	18"	17-1/2"	Yes	Yes lever	29"	Yes	Yes
Building 14 Visiting Public Restroom Women	Yes	Yes	Yes	Yes	36" long w/ 12" centerline	48" long with 5" from wall	35-1/2"	1-1/2"	1-1/2"	Yes	N/A	Yes	17"	18-1/4"	Yes	Yes lever	30"	Yes	Yes
Building 15 Gymnasium Restroom	Non Compliant																		

Toilet Room Compliance Spreadsheet

ADA Reference (1991 unless noted otherwise)	Technical requirements	4.22.5 4.23.5	4.22.5 4.23.5	4.18.3 4.2.4			4.18.4 4.27.4	4.18.4	4.19.2	4.19.2	4.19.2	4.19.3 4.19.3 4.2.4	4.19.3	4.19.4	4.19.4	4.19.5 4.27.4	4.19.5	4.19.6
	Urinal type	Urinal Rim Height	Clear floor space allowing forward approach to urinal	Accessible route	Width between urinal shields	Urinal Flush Controls	Urinal control height	Lavatory rim height or counter surface height	Knee Clearance	Wall projection of lavatory project	Clear floor space in front of lavatory allowing forward approach	Accessible route	Pipe Shielding	Smooth surfaces	Faucet operation	Self Closing Faucet Value	Mirrors-bottom edge of reflecting surface	
	Urinal is elongated type	17" max. above floor	30" x 48" min.	Clear floor space for urinal adjoin or overlap	29" minimum	Automatic or operable w/ one hand w/o grasp, pinch or twist	44" max. above floor	34" max.	29" min. to bottom of apron	17" min. from wall (Figure 31)	30" x 48" min.	Floor space (adjoin or overlap)	Hot water and drain pipes insulated or protected	Area below lavatory free of sharp or abrasive surfaces	Automatic or operable w/ one hand w/o grasp, pinch or twist	Remains open 10 sec. min.	40" max. from floor	
Unit 5 Wing A Cell 29	Non Compliant																	
Unit 6 Wing A Cell 14	Non Compliant																	
Unit 7A Cell 9	Non Compliant																	
Unit 7A Cell 22	Yes							33-1/2"	28-1/2"	>18"	>30" x >48"	Yes	Yes	Yes	Yes Push Button	Yes	No mirror	
Unit 8A Room 252								32-1/4"	28-1/2"	18"	>30" x >48"	Yes	No	No	Yes Levers	Yes	40-1/2"	
Unit 8A Cell 7								33-1/2"	28-1/2"	18"	>30" x >48"	Yes	Yes	Yes	Yes Push Button	Yes	No mirror	
Unit 8A Isolation Cell 21	Non Compliant																	
Unit 8A Cell 31	Non Compliant																	
Unit 8C Inmate Toilet 147								34"	29"	18"	32" x >48"	Yes	Yes	Yes	Yes Push Button	Yes	51"	
Unit 8C Inmate Holding 160	Non Compliant																	
Unit 8C Inmate Restroom 161	Non Compliant																	
Unit 8C Inmate Toilet 165								34"	29"	18"	30" x >48"	Yes	Yes	Yes	Yes Push Button	Yes	41"	
Unit 8C Staff Restroom 190	Non Compliant																	
Unit 10 Wing A Restroom A11	Yes	17-1/2"	30" x >48"		30"	Yes Electronic	40"	33"	Yes		30" x >48"	Yes	Yes	Yes	Yes Push Button		41 -1/2"	
Unit 10 Wing B Restroom B11	Yes	17-1/2"	30" x >48"		30"	Yes Electronic	40"	33"	Yes		30" x >48"	Yes	Yes	Yes	Yes Push Button		41 -1/2"	
Building 1 Gate House Men Restroom	Non Compliant																	
Building 1 Gate House Women Restroom	Non Compliant																	
Building 14 Visiting Bldg Inmate Restroom								33-1/2"	28-1/2"	18"			Yes	Yes	Yes Push		No mirror	
Building 14 Visiting Public Restroom Men	No	17"	41" x >48"	Yes	32"	Yes	44"	33"	29"	17"	>30" x >48"	Yes	Yes	Yes	Yes Paddles	Yes	38-1/4"	
Building 14 Visiting Public Restroom Women								32-3/4"	28-3/4"	17"	>30" x >48"	Yes	Yes	Yes	Yes Paddles	Yes	38-3/4"	
Building 15 Gymnasium Restroom	Non Compliant																	

Shower Compliance Spreadsheet

1991 ADA Reference	4.23.1	4.21.2	4.21.2	4.21.2	4.21.2	4.21.2		4.21.2	4.21.4	4.21.4	
Technical requirements	Location	Shower Type	Transfer Shower Size	Roll-in Shower Size	Transfer Clear Floor Space	Roll-in Clear Floor Space	Alternate Roll-in Shower	Shower Clear Area	Grab Bars	Grab Bars	Grab Bar Height
	Shower located on an accessible route	Transfer type or roll-in type	Shower stall is 36 inches by 36 inches - Figure 35(a)	At least 30 by 60 inches - Figure 35(b)	At least 36 inches by 48 inches - Figure 35 (a)	36 by 60 inch clear floor area alongside the shower - Figure 35(b)	At least 30 by 60 inches with 24 inch side wall and 36 inch minimum clear entry - Figure 608.2.3	Clear area across shower entrance	Grab bar extends around 3 sides - Figure 35(b)	Grab bar on 2 sides - Figure 37(a)	33 to 36 inches
Unit 1 Wing A Room 2	Yes	Roll-in		Yes		Yes	Yes	Yes	Y		33-1/2"
Unit 1 Wing A Room 3	Yes	Roll-in		Yes		Yes	Yes	Yes	Y		33-1/2"
Unit 1 Wing B Room 2	Yes	Roll-in		Yes		Yes	Yes	Yes	Y		33-1/2"
Unit 1 Wing B Room 3	Yes	Roll-in		Yes		Yes	Yes	Yes	Y		33-1/2"
Unit 1 Wing C Room 2	Yes	Roll-in		Yes		Yes	Yes	Yes	Y		33-1/2"
Unit 1 Wing C Room 3	Yes	Roll-in		Yes		Yes	Yes	Yes	Y		33-1/2"
Unit 2 Wing A Room 2	Yes	Roll-in		Yes		Yes	Yes	Yes	Y		32-3/4"
Unit 2 Wing A Room 3	Yes	Roll-in		Yes		Yes	Yes	Yes	Y		33-1/4"
Unit 2 Wing B Room 2	Yes	Roll-in		Yes		Yes	Yes	Yes	Y		34"
Unit 2 Wing B Room 3	Yes	Roll-in		Yes		Yes	Yes	Yes	Y		34"
Unit 2 Wing C Room 2	Yes	Roll-in		Yes		Yes	Yes	Yes	Y		33-1/4"
Unit 2 Wing C Room 3	Yes	Roll-in		Yes		Yes	Yes	Yes	Y		33-1/4"
Unit 3 Wing A Room 2	Yes	Roll-in		Yes		Yes	Yes	Yes	Y		33-1/4"
Unit 3 Wing A Room 3	Yes	Roll-in		Yes		Yes	Yes	Yes	Y		33"
Unit 3 Wing B Room 2	Yes	Roll-in		Yes		Yes	Yes	Yes	Y		34"
Unit 3 Wing B Room 3	Yes	Roll-in		Yes		Yes	Yes	Yes	Y		34"
Unit 3 Wing C Room 2	Yes	Roll-in		Yes		Yes	Yes	Yes	Y		33"
Unit 3 Wing C Room 3	Yes	Roll-in		Yes		Yes	Yes	No	Y		33"
Unit 6 Wing A	Yes	Curb		Yes		Yes	Yes	Yes	No		38-1/2"
Unit 7B West Accessible Shower	Yes	Transfer	35-3/4" x 36"	Yes	Yes	Yes	Yes	Yes		26" x 38" 2-wall	31-1/2"
Unit 7B East Accessible Shower	Yes	Transfer	36" x 36"	Yes	Yes	Yes	Yes	Yes		26" x 38" 2-wall	32-1/2"
Unit 8 Wing B Shower 325	Yes	Roll-in		No 50" wide		Yes	Yes	Yes	No		32-1/4"
Unit 10A Shower Room	Yes	Transfer	36" x 36"		Yes	Yes	Yes	No		18" x 33" 2-wall	34"
Unit 10B Shower Room	Yes	Transfer	36" x 36"		Yes	Yes	Yes	No		18" x 33" 2-wall	34"

Shower Compliance Spreadsheet

1991 ADA Reference	4.21.7	4.21.5	4.21.5 4.27.4			4.26.2		4.26.3	4.26.4	4.21.3	4.21.3
Technical requirements	Curb	Faucet	Faucet Operation	Faucet Operation	Spray Unit Connection Height	Grab Bar Diameter	Grab Bar Space at Wall	Grab Bar Securement	Grab Bar Hazards	Transfer Shower Seat Location	Shower Seat Size
	Curb at the roll-in shower	Faucets and other controls located on the side wall - Figure 37(a)	Faucet and other controls operated with one hand and without tight grasping, pinching or twisting of the wrist	Force required to operate no greater than 5 lbf	Between 38 and 48 inches	Outside diameter of grab bar between 1-1/4 inch and 1-1/2 inch (Pipe sizes designated by the industry as 1-1/4 to 1-1/2 are acceptable)	Space between grab bar and wall is exactly 1-1/2 inches	Grab bars are secured so they do not rotate in their fittings	Grab bars are free of sharp or abrasive elements and have edges with a minimum radius of 1/8 inch	Seat required per Figure 35(a)	Complies with Figure 36
Unit 1 Wing A Room 2	No	Yes	Yes Push Button	Yes	No > 48"	Yes	Yes	Yes	Yes		No
Unit 1 Wing A Room 3	No	Yes	Yes Push Button	Yes	No > 48"	Yes	Yes	Yes	Yes		No
Unit 1 Wing B Room 2	No	Yes	Yes Push Button	Yes	No > 48"	Yes	Yes	Yes	Yes		No
Unit 1 Wing B Room 3	No	Yes	Yes Push Button	Yes	No > 48"	Yes	Yes	Yes	Yes		No
Unit 1 Wing C Room 2	No	Yes	Yes Push Button	Yes	No > 48"	Yes	Yes	Yes	Yes		No
Unit 1 Wing C Room 3	No	Yes	Yes Push Button	Yes	No > 48"	Yes	Yes	Yes	Yes		No
Unit 2 Wing A Room 2	No	Yes	Yes Push Button	Yes	No > 48"	Yes	Yes	Yes	Yes		No
Unit 2 Wing A Room 3	No	Yes	Yes Push Button	Yes	No > 48"	Yes	Yes	Yes	Yes		No
Unit 2 Wing B Room 2	No	Yes	Yes Push Button	Yes	No > 48"	Yes	Yes	Yes	Yes		No
Unit 2 Wing B Room 3	No	Yes	Yes Push Button	Yes	No > 48"	Yes	Yes	Yes	Yes		No
Unit 2 Wing C Room 2	No	Yes	Yes Push Button	Yes	No > 48"	Yes	Yes	Yes	Yes		No
Unit 2 Wing C Room 3	No	Yes	Yes Push Button	Yes	No > 48"	Yes	Yes	Yes	Yes		No
Unit 3 Wing A Room 2	No	Yes	Yes Push Button	Yes	No > 48"	Yes	Yes	Yes	Yes		No
Unit 3 Wing A Room 3	No	Yes	Yes Push Button	Yes	No > 48"	Yes	Yes	Yes	Yes		No
Unit 3 Wing B Room 2	No	Yes	Yes Push Button	Yes	No > 48"	Yes	Yes	Yes	Yes		No
Unit 3 Wing B Room 3	No	Yes	Yes Push Button	Yes	No > 48"	Yes	Yes	Yes	Yes		No
Unit 3 Wing C Room 2	No	Yes	Yes Push Button	Yes	No > 48"	Yes	Yes	Yes	Yes		No
Unit 3 Wing C Room 3	No	Yes	Yes Push Button	Yes	No > 48"	Yes	Yes	Yes	Yes		No
Unit 6 Wing A	Yes	Yes	No	No	No > 48"	Yes	Yes	Yes	Yes		
Unit 7B West Accessible Shower	No	No 36" high	Yes Push Button	Yes	No > 48"	Yes	Yes	Yes	Yes	Yes	No
Unit 7B East Accessible Shower	No	No 36" high	Yes Push Button	Yes	No > 48"	Yes	Yes	Yes	Yes	Yes	No
Unit 8 Wing B Shower 325	No	No 36" high	Yes Push Button	Yes	No > 48"	Yes	Yes	Yes	Yes		
Unit 10A Shower Room	No	No 35" high	Yes Push Button	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Unit 10B Shower Room	No	No 35" high	Yes Push Button	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

	Quantity	Unit	Cost/Unit	Line Total	Total
Project Cost Summary					
Unit 1					\$ 371,820
Unit 2					\$ 409,620
Unit 3					\$ 449,040
Unit 6					\$ 439,500
Unit 7					\$ 109,140
Unit 8					\$ 1,199,625
Unit 10					\$ 3,000
Building 1 Gate House					\$ 31,400
Building 14 Visitor Center					\$ 56,325
Building 15 Gymnasium / Chapel / Law Library					\$ 83,400
Subtotal					\$ 3,152,870
General Requirements					
Mobilization	1	LS	\$ 5,000	\$ 5,000	
Supervision	10	MO	\$ 10,000	\$ 100,000	
Project Management	10	MO	\$ 5,000	\$ 50,000	
Safety/Quality Control	10	MO	\$ 3,000	\$ 30,000	
Rental Equipment	10	MO	\$ 1,000	\$ 10,000	
Equipment/Tools	10	MO	\$ 1,000	\$ 10,000	
Cleaning & Closeout	1	LS	\$ 5,000	\$ 5,000	
Total General Requirements					\$ 210,000
Subtotal					\$ 3,362,870
Contractor OH&P	\$ 3,362,870		12%	\$ 403,544	\$ 3,766,414
Insurance + Bonds	\$ 3,766,414		2.5%	\$ 94,160	\$ 3,860,575
Contingency	\$ 3,860,575		20%	\$ 772,115	\$ 4,632,690
Construction Total					\$ 4,632,690

	Quantity	Unit	Cost/Unit	Line Total	Total
Unit 1 Shower A (with Seat & Grab Bars) - 2 per wing					
Remove existing shower panel	1	EA	\$ 500	\$ 500	
Remove existing shower seat	1	EA	\$ 200	\$ 200	
Plumbing demo and prep	1	EA	\$ 400	\$ 400	
New shower head and controls	1	EA	\$ 2,500	\$ 2,500	
Plumbing modifications	1	EA	\$ 1,000	\$ 1,000	
New shower seat	1	EA	\$ 600	\$ 600	
Remove and reinstall grab bars	1	EA	\$ 300	\$ 300	
Patch stainless steel	1	EA	\$ 1,000	\$ 1,000	
Subtotal				\$ 6,500	
Showers in Unit	6				
Total					\$ 39,000
Unit 1 Shower B & Urinal (without seat and grab bars) - 6 per wing					
Remove existing shower panel	1	EA	\$ 500	\$ 500	
Remove existing shower seat	1	EA	\$ 200	\$ 200	
Plumbing demo and prep	1	EA	\$ 400	\$ 400	
Prepare walls for epoxy coating	100	SF	\$ 5	\$ 500	
New shower head and controls	1	EA	\$ 2,000	\$ 2,000	
Plumbing modifications	1	EA	\$ 1,000	\$ 1,000	
New shower seat	1	EA	\$ 600	\$ 600	
Remove and reinstall grab bars	1	EA	\$ 300	\$ 300	
Stainless steel wall covering	250	SF	\$ 45	\$ 11,250	
Epoxy wall coating	100	SF	\$ 8	\$ 800	
Epoxy ceiling coating	60	SF	\$ 9	\$ 540	
Subtotal				\$ 16,490	
Showers in Unit	18				
Total					\$ 296,820
Unit 1 Accessible Lavatories					
Remove/reinstall at accessible height	1	EA	\$ 1,500	\$ 1,500	
Subtotal				\$ 1,500	
Lavatories in Unit	24				
Total					\$ 36,000
Unit 2 Wing A Shower A (with seat and grab bars)					
Remove existing shower panel	1	EA	\$ 500	\$ 500	
Remove existing shower seat	1	EA	\$ 200	\$ 200	
Plumbing demo and prep	1	EA	\$ 400	\$ 400	
New shower head and controls	1	EA	\$ 2,500	\$ 2,500	
Plumbing modifications	1	EA	\$ 1,000	\$ 1,000	
New shower seat	1	EA	\$ 600	\$ 600	
Remove and reinstall grab bars	1	EA	\$ 300	\$ 300	
Patch stainless steel	1	EA	\$ 1,000	\$ 1,000	

	Quantity	Unit	Cost/Unit	Line Total	Total
Total				\$ 6,500	
Showers in Wing	2				
Total					\$ 13,000
Unit 2 Shower B & Urinal					
Remove existing shower panel	1	EA	\$ 500	\$ 500	
Remove existing shower seat	1	EA	\$ 200	\$ 200	
Plumbing demo and prep	1	EA	\$ 400	\$ 400	
Prepare walls for epoxy coating	100	SF	\$ 5	\$ 500	
New shower head and controls	1	EA	\$ 2,000	\$ 2,000	
Plumbing modifications	1	EA	\$ 1,000	\$ 1,000	
New shower seat	1	EA	\$ 600	\$ 600	
Remove and reinstall grab bars	1	EA	\$ 300	\$ 300	
Stainless steel wall covering	250	SF	\$ 45	\$ 11,250	
Epoxy floor coating	60	SF	\$ 12	\$ 720	
Epoxy wall coating	100	SF	\$ 8	\$ 800	
Epoxy ceiling coating	60	SF	\$ 9	\$ 540	
Subtotal				\$ 17,210	
Showers in Unit	22				
Total					\$ 378,620
Unit 2 Accessible Lavatories					
Remove/reinstall at accessible height	1	EA	\$ 1,500	\$ 1,500	
Subtotal				\$ 1,500	
Lavatories in Unit	12				
Total					\$ 18,000
Unit 3 Shower B & Urinal					
Remove existing shower panel	1	EA	\$ 500	\$ 500	
Remove existing shower seat	1	EA	\$ 200	\$ 200	
Plumbing demo and prep	1	EA	\$ 400	\$ 400	
Prepare walls for epoxy coating	100	SF	\$ 5	\$ 500	
New shower head and controls	1	EA	\$ 2,000	\$ 2,000	
Plumbing modifications	1	EA	\$ 1,000	\$ 1,000	
New shower seat	1	EA	\$ 600	\$ 600	
Remove and reinstall grab bars	1	EA	\$ 300	\$ 300	
Stainless steel wall covering	250	SF	\$ 45	\$ 11,250	
Epoxy floor coating	60	SF	\$ 12	\$ 720	
Epoxy wall coating	100	SF	\$ 8	\$ 800	
Epoxy ceiling coating	60	SF	\$ 9	\$ 540	
Subtotal				\$ 17,210	
Showers in Unit	24				
Total					\$ 413,040

	Quantity	Unit	Cost/Unit	Line Total	Total
Unit 3 Accessible Lavatories					
Remove/reinstall at accessible height	1	EA	\$ 1,500	\$ 1,500	
Subtotal				\$ 1,500	
Lavatories in Unit	24				
Total					\$ 36,000
Unit 6 Shower					
Remove shower	1	EA	\$ 500	\$ 500	
Remove floor tile	40	SF	\$ 3	\$ 120	
Remove wall tile	500	SF	\$ 3	\$ 1,500	
Remove concrete slab	50	SF	\$ 10	\$ 500	
Remove tub	1	EA	\$ 800	\$ 800	
Electrical demo and prep	1	EA	\$ 500	\$ 500	
Prepare walls for epoxy coating	250	SF	\$ 5	\$ 1,250	
Prepare ceiling for epoxy coating	60	SF	\$ 5	\$ 300	
New drain piping	1	EA	\$ 750	\$ 750	
New water supply piping	1	EA	\$ 750	\$ 750	
New concrete slab	50	SF	\$ 12	\$ 600	
New CMU wall	20	SF	\$ 20	\$ 400	
Stainless steel wall covering	100	SF	\$ 45	\$ 4,500	
Epoxy wall coating	160	SF	\$ 8	\$ 1,280	
Epoxy ceiling coating	60	SF	\$ 9	\$ 540	
Epoxy floor coating	70	SF	\$ 15	\$ 1,050	
New shower head and controls	1	EA	\$ 2,000	\$ 2,000	
New grab bars	1	EA	\$ 500	\$ 500	
New shower seat	1	EA	\$ 600	\$ 600	
HVAC/Exhaust	1	EA	\$ 5,000	\$ 5,000	
Lighting	1	EA	\$ 1,500	\$ 1,500	
Subtotal				\$ 24,940	
Showers in Unit	2				
Total					\$ 49,880
Unit 6 Accessible Cell					
Remove CMU wall	50	SF	\$ 15	\$ 750	
Remove concrete floor slab	20	SF	\$ 10	\$ 200	
Remove ceiling	20	SF	\$ 20	\$ 400	
Remove desk	1	EA	\$ 250	\$ 250	
Remove toilet/lavatory fixture	1	EA	\$ 500	\$ 500	
Plumbing demo and prep	1	EA	\$ 400	\$ 400	
HVAC demo and prep	1	EA	\$ 800	\$ 800	
Electrical demo and prep	1	EA	\$ 1,000	\$ 1,000	
CMU chase wall patch	1	EA	\$ 500	\$ 500	
New concrete slab	20	SF	\$ 12	\$ 240	
New CMU demising wall	50	SF	\$ 20	\$ 1,000	

	Quantity	Unit	Cost/Unit	Line Total	Total
Ceiling patch	20	SF	\$ 20	\$ 400	
New accessible toilet/lavatory fixture	1	EA	\$ 4,000	\$ 4,000	
New grab bars	1	EA	\$ 250	\$ 250	
Epoxy floor coating	140	SF	\$ 15	\$ 2,100	
Epoxy wall coating	400	SF	\$ 8	\$ 3,200	
Epoxy ceiling coating	140	SF	\$ 9	\$ 1,260	
Plumbing modifications	1	EA	\$ 1,000	\$ 1,000	
HVAC	1	EA	\$ 2,000	\$ 2,000	
Power	1	EA	\$ 1,500	\$ 1,500	
Lighting	1	EA	\$ 2,500	\$ 2,500	
Subtotal				\$ 24,250	
Cells in Unit	18				
Total					\$ 436,500
Unit 6 Inmate Cells					
Remove desk and touch up wall paint	12	EA	\$ 250	\$ 3,000	
Total					\$ 3,000
Units 7A and 7B Existing Accessible Cell					
Remove desk	1	EA	\$ 250	\$ 250	
Remove and relocate grab bars	2	EA	\$ 50	\$ 100	
New grab bars	2	EA	\$ 250	\$ 500	
Remove and relocate lavatory	1	EA	\$ 500	\$ 500	
Epoxy wall coating	20	SF	\$ 8	\$ 160	
Mirror	1	EA	\$ 300	\$ 300	
Subtotal				\$ 1,810	
Cells in Unit	4				
Total					\$ 7,240
Units 7A and 7B Accessible Cell					
Remove CMU wall	10	SF	\$ 15	\$ 150	
Remove desk	1	EA	\$ 250	\$ 250	
Remove upper bed	1	EA	\$ 250	\$ 250	
Remove toilet/lavatory fixture	1	EA	\$ 500	\$ 500	
Plumbing demo and prep	1	EA	\$ 400	\$ 400	
CMU chase wall patch	1	EA	\$ 500	\$ 500	
New steel framed chase	1	EA	\$ 1,000	\$ 1,000	
Stainless steel wall covering	30	SF	\$ 45	\$ 1,350	
New accessible toilet/lavatory fixture	1	EA	\$ 4,000	\$ 4,000	
New grab bars	1	EA	\$ 250	\$ 250	
Epoxy wall coating	40	SF	\$ 8	\$ 320	
Plumbing modifications	1	EA	\$ 1,000	\$ 1,000	
Subtotal				\$ 9,970	

	Quantity	Unit	Cost/Unit	Line Total	Total
Cells in Unit	8				
Total					\$ 79,760
Units 7A and 7B Accessible Shower					
Remove existing shower panel	2	EA	\$ 500	\$ 1,000	
Remove existing shower seat	2	EA	\$ 200	\$ 400	
Plumbing demo and prep	2	EA	\$ 400	\$ 800	
New shower head and controls	2	EA	\$ 2,500	\$ 5,000	
Plumbing modifications	2	EA	\$ 1,000	\$ 2,000	
New shower seat	2	EA	\$ 600	\$ 1,200	
Remove and reinstall grab bars	2	EA	\$ 300	\$ 600	
Epoxy wall coating	80	SF	\$ 8	\$ 640	
Total					\$ 11,640
Units 7A and 7B Drinking Fountain					
Remove drinking fountain	2	EA	\$ 500	\$ 1,000	
Plumbing prep	2	EA	\$ 750	\$ 1,500	
Drinking fountain	2	EA	\$ 3,000	\$ 6,000	
Patch and paint wall	2	EA	\$ 1,000	\$ 2,000	
Total					\$ 10,500
Unit 8A Medical Accessible Cell					
Remove CMU wall	10	SF	\$ 15	\$ 150	
Remove and relocate toilet	1	EA	\$ 1,000	\$ 1,000	
Remove and relocate lavatory	1	EA	\$ 1,500	\$ 1,500	
Plumbing demo and prep	1	EA	\$ 400	\$ 400	
CMU chase wall patch	1	EA	\$ 500	\$ 500	
New grab bars	1	EA	\$ 250	\$ 250	
Epoxy wall coating	70	SF	\$ 8	\$ 560	
Plumbing modifications	1	EA	\$ 1,500	\$ 1,500	
Subtotal				\$ 5,860	
Cells in Unit	20				
Total					\$ 117,200
Unit 8A Medical Wing Showers - Convert 3' x 3'					
Remodel (2) 3' x 3' into (2) roll-in	1	ALLOW	\$ 15,000	\$ 15,000	
Subtotal				\$ 15,000	
Showers in Unit	2				
Total					\$ 30,000

	Quantity	Unit	Cost/Unit	Line Total	Total
Unit 8A Medical Wing Shower - Remodel Roll-in Shower					
Remodel existing roll-in shower room	1	ALLOW	\$ 10,000	\$ 10,000	
Subtotal				\$ 10,000	
Showers in Unit	1				
Total					\$ 10,000
Unit 8A Medical Wing Shower - New Roll-in Shower					
Convert space into Shower	1	ALLOW	\$ 30,000	\$ 30,000	
Subtotal				\$ 30,000	
Showers in Unit	1				
Total					\$ 30,000
Unit 8A Medical Isolation Accessible Cell					
Remove CMU wall	20	SF	\$ 15	\$ 300	
Remove concrete floor slab	10	SF	\$ 10	\$ 100	
Remove window	1	EA	\$ 1,000	\$ 1,000	
Remove ceiling	40	SF	\$ 20	\$ 800	
Remove toilet/lavatory fixture	1	EA	\$ 500	\$ 500	
Remove shower head	1	EA	\$ 500	\$ 500	
Plumbing demo and prep	1	EA	\$ 2,500	\$ 2,500	
HVAC demo and prep	1	EA	\$ 1,000	\$ 1,000	
Electrical demo and prep	1	EA	\$ 1,500	\$ 1,500	
New concrete slab	10	SF	\$ 12	\$ 120	
New CMU chase wall	30	SF	\$ 20	\$ 600	
Stainless steel wall covering	40	SF	\$ 45	\$ 1,800	
New window	1	EA	\$ 2,000	\$ 2,000	
Ceiling patch	40	SF	\$ 20	\$ 800	
New accessible toilet/lavatory fixture	1	EA	\$ 4,000	\$ 4,000	
New shower head and controls	1	EA	\$ 2,500	\$ 2,500	
New grab bars	1	EA	\$ 750	\$ 750	
Epoxy floor coating	40	SF	\$ 15	\$ 600	
Epoxy wall coating	30	SF	\$ 8	\$ 240	
Epoxy ceiling coating	40	SF	\$ 9	\$ 360	
Plumbing modifications	1	EA	\$ 4,000	\$ 4,000	
HVAC	1	EA	\$ 3,000	\$ 3,000	
Power	1	EA	\$ 1,500	\$ 1,500	
Lighting	1	EA	\$ 2,500	\$ 2,500	
Subtotal				\$ 32,970	
Cells in Unit	10				
Total					\$ 329,700

	Quantity	Unit	Cost/Unit	Line Total	Total
Unit 8A Female Medical Accessible Cell					
Remove CMU wall	50	SF	\$ 15	\$ 750	
Remove concrete floor slab	10	SF	\$ 10	\$ 100	
Remove window	1	EA	\$ 1,000	\$ 1,000	
Remove ceiling	30	SF	\$ 20	\$ 600	
Remove toilet/lavatory fixture	1	EA	\$ 500	\$ 500	
Remove shower head	1	EA	\$ 500	\$ 500	
Plumbing demo and prep	1	EA	\$ 2,000	\$ 2,000	
HVAC demo and prep	1	EA	\$ 1,000	\$ 1,000	
Electrical demo and prep	1	EA	\$ 1,000	\$ 1,000	
New concrete slab	10	SF	\$ 12	\$ 120	
New CMU chase wall	90	SF	\$ 20	\$ 1,800	
Stainless steel wall covering	65	SF	\$ 45	\$ 2,925	
New window	1	EA	\$ 2,000	\$ 2,000	
Ceiling patch	30	SF	\$ 20	\$ 600	
New accessible toilet/lavatory fixture	1	EA	\$ 4,000	\$ 4,000	
New shower head and controls	1	EA	\$ 2,500	\$ 2,500	
New grab bars	1	EA	\$ 750	\$ 750	
Epoxy floor coating	30	SF	\$ 15	\$ 450	
Epoxy wall coating	30	SF	\$ 8	\$ 240	
Epoxy ceiling coating	30	SF	\$ 9	\$ 270	
Plumbing modifications	1	EA	\$ 3,000	\$ 3,000	
HVAC	1	EA	\$ 2,000	\$ 2,000	
Power	1	EA	\$ 1,000	\$ 1,000	
Lighting	1	EA	\$ 1,500	\$ 1,500	
Subtotal				\$ 30,605	
Cells in Unit	3				
Total					\$ 91,815
Unit 8A Restroom 252 Accessible Restroom					
Remove CMU wall	50	SF	\$ 15	\$ 750	
Remove concrete floor slab	20	SF	\$ 10	\$ 200	
Remove ceiling	20	SF	\$ 20	\$ 400	
Remove and reinstall lavatory	1	EA	\$ 500	\$ 500	
Plumbing demo and prep	1	EA	\$ 2,000	\$ 2,000	
HVAC demo and prep	1	EA	\$ 1,000	\$ 1,000	
Electrical demo and prep	1	EA	\$ 1,000	\$ 1,000	
New concrete slab	20	SF	\$ 12	\$ 240	
New CMU wall	50	SF	\$ 20	\$ 1,000	
Floor tile	20	SF	\$ 15	\$ 300	
Wall tile	80	SF	\$ 10	\$ 800	
Ceiling patch	20	SF	\$ 20	\$ 400	
Remove and reinstall grab bars	1	EA	\$ 250	\$ 250	
Paint touch up in Corridor	1	EA	\$ 500	\$ 500	
Plumbing modifications	1	EA	\$ 2,000	\$ 2,000	
Power	1	EA	\$ 500	\$ 500	

	Quantity	Unit	Cost/Unit	Line Total	Total
Lighting	1	EA	\$ 750	\$ 750	
Total					\$ 12,590
Units 8B Accessible Cell					
Remove CMU wall	10	SF	\$ 15	\$ 150	
Remove desk and stool	1	EA	\$ 250	\$ 250	
Remove upper bed	1	EA	\$ 250	\$ 250	
Remove toilet/lavatory fixture	1	EA	\$ 500	\$ 500	
Plumbing demo and prep	1	EA	\$ 400	\$ 400	
CMU chase wall patch	1	EA	\$ 500	\$ 500	
New steel framed chase	1	EA	\$ 1,000	\$ 1,000	
Stainless steel wall covering	30	SF	\$ 45	\$ 1,350	
New accessible toilet/lavatory fixture	1	EA	\$ 4,000	\$ 4,000	
New grab bars	1	EA	\$ 250	\$ 250	
Epoxy wall coating	40	SF	\$ 8	\$ 320	
Plumbing modifications	1	EA	\$ 1,000	\$ 1,000	
Subtotal				\$ 9,970	
Cells in Unit	40				
Total					\$ 398,800

Unit 8B Section 1 and 5 Accessible Shower (1 in each Section)

Remove existing shower panel	1	EA	\$ 500	\$ 500	
Plumbing demo and prep	1	EA	\$ 400	\$ 400	
Remove floor tile	80	SF	\$ 3	\$ 240	
Remove wall tile	50	SF	\$ 3	\$ 150	
New shower head and controls	1	EA	\$ 2,000	\$ 2,000	
New CMU wall	40	SF	\$ 20	\$ 800	
Floor tile	80	SF	\$ 15	\$ 1,200	
Wall tile	150	SF	\$ 10	\$ 1,500	
Ceiling patch	20	SF	\$ 20	\$ 400	
Epoxy ceiling coating	20	SF	\$ 9	\$ 180	
New grab bars	1	EA	\$ 500	\$ 500	
Plumbing modifications	1	EA	\$ 2,000	\$ 2,000	
Lighting	1	EA	\$ 750	\$ 750	
Subtotal				\$ 10,620	
Showers in Sections	2				
Total					\$ 21,240

Unit 8B Section 2 and 4 Accessible Shower (1 in each Section)

Floor demo and prep	1	EA	\$ 500	\$ 500	
Electrical demo and prep	1	EA	\$ 1,500	\$ 1,500	
New shower head and controls	1	EA	\$ 2,000	\$ 2,000	
New CMU wall	100	SF	\$ 20	\$ 2,000	
Stainless steel wall covering	120	SF	\$ 45	\$ 5,400	

	Quantity	Unit	Cost/Unit	Line Total	Total
Ceiling framing and finish	30	SF	\$ 20	\$ 600	
Epoxy floor coating	30	SF	\$ 15	\$ 450	
Epoxy wall coating	50	SF	\$ 8	\$ 400	
Epoxy ceiling coating	30	SF	\$ 9	\$ 270	
New grab bars	1	EA	\$ 500	\$ 500	
New shower compartment	1	EA	\$ 1,000	\$ 1,000	
New drain piping	1	EA	\$ 4,000	\$ 4,000	
HVAC/Exhaust	1	EA	\$ 7,500	\$ 7,500	
New water supply piping	1	EA	\$ 2,000	\$ 2,000	
Lighting	1	EA	\$ 2,000	\$ 2,000	
Subtotal				\$ 30,120	
Showers in Sections	2				
Total					\$ 60,240

Unit 8B Section 3 Accessible Shower

Floor demo and prep	1	EA	\$ 500	\$ 500	
Remove CMU wall	200	SF	\$ 15	\$ 3,000	
Remove ceiling	50	SF	\$ 20	\$ 1,000	
Electrical demo and prep	1	EA	\$ 2,500	\$ 2,500	
HVAC demo and prep	1	EA	\$ 4,000	\$ 4,000	
New CMU wall	140	SF	\$ 20	\$ 2,800	
Stainless steel wall covering	30	SF	\$ 45	\$ 1,350	
Ceiling patch	50	SF	\$ 10	\$ 500	
Ceiling paint	50	SF	\$ 5	\$ 250	
Wall paint	200	SF	\$ 5	\$ 1,000	
Resilient flooring	100	SF	\$ 10	\$ 1,000	
Epoxy floor coating	20	SF	\$ 15	\$ 300	
Epoxy wall coating	20	SF	\$ 8	\$ 160	
Ceiling patch	20	SF	\$ 20	\$ 400	
Epoxy ceiling coating	20	SF	\$ 9	\$ 180	
New grab bars	1	EA	\$ 500	\$ 500	
New shower seat	1	EA	\$ 600	\$ 600	
New shower head and controls	1	EA	\$ 2,000	\$ 2,000	
New drain piping	1	EA	\$ 4,000	\$ 4,000	
New water supply piping	1	EA	\$ 2,000	\$ 2,000	
HVAC/Exhaust	1	EA	\$ 7,500	\$ 7,500	
Power	1	EA	\$ 1,500	\$ 1,500	
Lighting	1	EA	\$ 2,000	\$ 2,000	
Total					\$ 39,040

Unit 8C Inmate Toilet 147 Accessible Restroom

Remove and reinstall water closet	1	EA	\$ 500	\$ 500	
Remove and reinstall mirror	1	EA	\$ 250	\$ 250	
Remove and reinstall grab bars	1	EA	\$ 250	\$ 250	
Plumbing demo and prep	1	EA	\$ 1,000	\$ 1,000	

	Quantity	Unit	Cost/Unit	Line Total	Total
Wall tile patch	10	SF	\$ 10	\$ 100	
Plumbing modifications	1	EA	\$ 1,000	\$ 1,000	
Total					\$ 3,100

Unit 8C Inmate Holding 160 Accessible Cell and Inmate Toilet 161 Accessible Restroom

Remove CMU wall	160	SF	\$ 15	\$ 2,400	
Remove concrete floor slab	50	SF	\$ 10	\$ 500	
Remove ceiling	30	SF	\$ 20	\$ 600	
Plumbing demo and prep	1	EA	\$ 2,000	\$ 2,000	
HVAC demo and prep	1	EA	\$ 1,000	\$ 1,000	
Electrical demo and prep	1	EA	\$ 1,000	\$ 1,000	
New concrete slab	50	SF	\$ 12	\$ 600	
New CMU wall	160	SF	\$ 20	\$ 3,200	
New bench	1	EA	\$ 1,000	\$ 1,000	
Remove and reinstall door	1	EA	\$ 1,000	\$ 1,000	
Floor tile	30	SF	\$ 15	\$ 450	
Ceiling patch	30	SF	\$ 20	\$ 600	
Wall paint	100	SF	\$ 5	\$ 500	
Ceiling paint	30	SF	\$ 5	\$ 150	
New grab bars	1	EA	\$ 750	\$ 750	
Paint touch up in Holding	1	EA	\$ 500	\$ 500	
New accessible toilet/lavatory fixture	1	EA	\$ 4,000	\$ 4,000	
New drain piping	1	EA	\$ 4,000	\$ 4,000	
New water supply piping	1	EA	\$ 2,000	\$ 2,000	
HVAC/Exhaust	1	EA	\$ 7,500	\$ 7,500	
Power	1	EA	\$ 1,500	\$ 1,500	
Lighting	1	EA	\$ 2,000	\$ 2,000	

Total \$ 37,250

Unit 8C Inmate Toilet 165 Accessible Restroom

Remove and reinstall water closet	1	EA	\$ 500	\$ 500	
Remove and reinstall mirror	1	EA	\$ 250	\$ 250	
Remove and reinstall grab bars	1	EA	\$ 250	\$ 250	
Plumbing demo and prep	1	EA	\$ 1,000	\$ 1,000	
Wall tile patch	10	SF	\$ 10	\$ 100	
Plumbing modifications	1	EA	\$ 1,000	\$ 1,000	

Total \$ 3,100

Unit 8C Staff Restroom 190 Accessible Restroom

Remove CMU wall	60	SF	\$ 15	\$ 900	
Remove and reinstall lavatory	1	EA	\$ 500	\$ 500	
Remove and reinstall water closet	1	EA	\$ 500	\$ 500	
Remove ceiling	30	SF	\$ 20	\$ 600	
Plumbing demo and prep	1	EA	\$ 2,000	\$ 2,000	

	Quantity	Unit	Cost/Unit	Line Total	Total
HVAC demo and prep	1	EA	\$ 1,000	\$ 1,000	
Electrical demo and prep	1	EA	\$ 1,000	\$ 1,000	
New CMU wall	60	SF	\$ 20	\$ 1,200	
Remove and reinstall door	1	EA	\$ 1,000	\$ 1,000	
Floor tile	30	SF	\$ 15	\$ 450	
Ceiling patch	30	SF	\$ 20	\$ 600	
Wall paint	80	SF	\$ 5	\$ 400	
Paint touch up in Nurse Station	1	EA	\$ 500	\$ 500	
Ceiling paint	30	SF	\$ 5	\$ 150	
New grab bars	1	EA	\$ 500	\$ 500	
New drain piping	1	EA	\$ 1,500	\$ 1,500	
New water supply piping	1	EA	\$ 1,000	\$ 1,000	
Power	1	EA	\$ 1,000	\$ 1,000	
Lighting	1	EA	\$ 750	\$ 750	

Total \$ 15,550

Unit 10A and 10B Accessible Shower A10 and B10

Relocate shower water button	2	EA	\$ 500	\$ 1,000	
Patch stainless steel	2	EA	\$ 500	\$ 1,000	

Total \$ 2,000

Unit 10A and 10B Accessible Restroom A11 and B11

New mirror	2	EA	\$ 500	\$ 1,000	
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Total \$ 1,000

Building 1 Gate House Accessible Restroom

Remove CMU wall	150	SF	\$ 15	\$ 2,250	
Remove concrete floor slab	100	SF	\$ 10	\$ 1,000	
Remove ceiling	80	SF	\$ 20	\$ 1,600	
Remove toilet compartments	1	EA	\$ 500	\$ 500	
Remove toilet accessories	1	EA	\$ 250	\$ 250	
Plumbing demo and prep	1	EA	\$ 2,000	\$ 2,000	
HVAC demo and prep	1	EA	\$ 2,000	\$ 2,000	
Electrical demo and prep	1	EA	\$ 2,000	\$ 2,000	
New concrete slab	100	SF	\$ 12	\$ 1,200	
New door and hardware	1	EA	\$ 1,500	\$ 1,500	
New ceiling and framing	80	SF	\$ 15	\$ 1,200	
Wall patch	1	EA	\$ 750	\$ 750	
Floor tile	80	SF	\$ 15	\$ 1,200	
Wall tile	320	SF	\$ 10	\$ 3,200	
New grab bars	1	EA	\$ 750	\$ 750	
New toilet accessories	1	EA	\$ 500	\$ 500	
Paint touch up in Corridor	1	EA	\$ 500	\$ 500	
New water closet	1	EA	\$ 2,000	\$ 2,000	

	Quantity	Unit	Cost/Unit	Line Total	Total
New lavatory	1	EA	\$ 1,500	\$ 1,500	
New drain piping	1	EA	\$ 1,500	\$ 1,500	
New water supply piping	1	EA	\$ 1,000	\$ 1,000	
Power	1	EA	\$ 1,500	\$ 1,500	
Lighting	1	EA	\$ 1,500	\$ 1,500	
Total					\$ 31,400

Building 14 Visitor Center Inmate Accessible Restroom

Remove CMU wall	80	SF	\$ 15	\$ 1,200	
Remove concrete floor slab	30	SF	\$ 10	\$ 300	
Remove ceiling	30	SF	\$ 20	\$ 600	
Remove and reinstall lavatory	1	EA	\$ 1,000	\$ 1,000	
Remove and reinstall toilet	1	EA	\$ 1,000	\$ 1,000	
Remove and reinstall st. stl. wall coverin	1	EA	\$ 500	\$ 500	
Plumbing demo and prep	1	EA	\$ 2,000	\$ 2,000	
HVAC demo and prep	1	EA	\$ 1,000	\$ 1,000	
Electrical demo and prep	1	EA	\$ 1,500	\$ 1,500	
New concrete slab	30	SF	\$ 12	\$ 360	
New CMU wall	80	SF	\$ 20	\$ 1,600	
Ceiling patch	30	SF	\$ 20	\$ 600	
Floor tile	35	SF	\$ 15	\$ 525	
Wall paint	130	SF	\$ 5	\$ 650	
Ceiling paint	130	SF	\$ 5	\$ 650	
Remove and reinstall grab bars	1	EA	\$ 250	\$ 250	
Paint touch up in adjacent rooms	1	EA	\$ 1,000	\$ 1,000	
Plumbing modifications	1	EA	\$ 2,000	\$ 2,000	
Power	1	EA	\$ 500	\$ 500	
Lighting	1	EA	\$ 750	\$ 750	

Total \$ 17,985

Building 14 Visitor Center Restricted Visiting (Inmate and Visitor Rooms)

Allowance to creat complaint spaces	1	ALLOW	\$ 15,000	\$ 15,000	
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Total \$ 15,000

Building 14 Visitor Center New Exterior Door at Inmate Entrance

Allowance for new entry door	1	ALLOW	\$ 5,000	\$ 5,000	
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Total \$ 5,000

Building 14 Visitor Center Visitor Men and Vistor Women Accessible Restrooms

Remove CMU wall	80	SF	\$ 15	\$ 1,200	
Remove concrete floor slab	20	SF	\$ 10	\$ 200	
Remove ceiling	60	SF	\$ 20	\$ 1,200	
Remove and reinstall lavatory	1	EA	\$ 1,000	\$ 1,000	
Remove urinal	1	EA	\$ 500	\$ 500	

	Quantity	Unit	Cost/Unit	Line Total	Total
Plumbing demo and prep	1	EA	\$ 2,000	\$ 2,000	
Electrical demo and prep	1	EA	\$ 1,000	\$ 1,000	
New concrete slab	20	SF	\$ 12	\$ 240	
New CMU wall	80	SF	\$ 20	\$ 1,600	
Ceiling patch	60	SF	\$ 20	\$ 1,200	
Floor tile	20	SF	\$ 15	\$ 300	
Wall tile	160	SF	\$ 10	\$ 1,600	
Wall paint	100	SF	\$ 5	\$ 500	
Ceiling paint	60	SF	\$ 5	\$ 300	
Paint touch up in adjacent rooms	1	EA	\$ 1,000	\$ 1,000	
New toilet accessories	2	EA	\$ 500	\$ 1,000	
New urinal	1	EA	\$ 1,000	\$ 1,000	
Plumbing modifications	1	EA	\$ 2,000	\$ 2,000	
Power	1	EA	\$ 500	\$ 500	

Total \$ 18,340

Building 15 Gymnasium Accessible Restroom and Showers

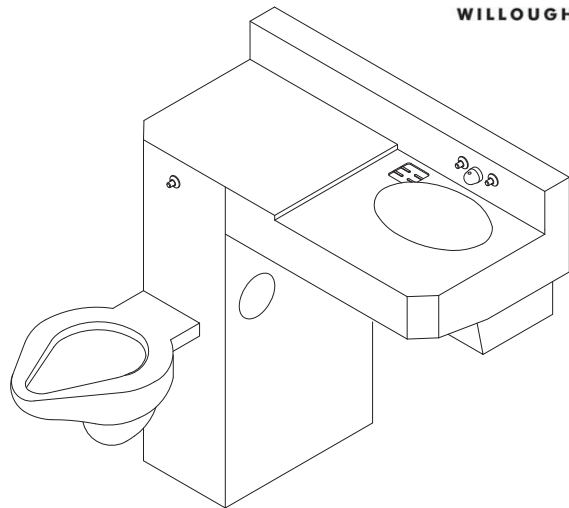
Remove concrete floor slab	200	SF	\$ 10	\$ 2,000	
Remove CMU screen wall	1	EA	\$ 800	\$ 800	
Remove ceiling	250	SF	\$ 20	\$ 5,000	
Remove floor tile	250	SF	\$ 3	\$ 750	
Remove wall tile	450	SF	\$ 3	\$ 1,350	
Prepare ceiling for epoxy coating	250	SF	\$ 5	\$ 1,250	
Remove plumbing fixtures	1	EA	\$ 1,000	\$ 1,000	
Plumbing demo and prep	1	EA	\$ 3,000	\$ 3,000	
HVAC demo and prep	1	EA	\$ 2,000	\$ 2,000	
Electrical demo and prep	1	EA	\$ 1,500	\$ 1,500	
New concrete slab	200	SF	\$ 12	\$ 2,400	
Ceiling framing and finish	250	SF	\$ 20	\$ 5,000	
Floor tile	250	SF	\$ 15	\$ 3,750	
Wall tile	450	SF	\$ 10	\$ 4,500	
Epoxy ceiling coating	250	SF	\$ 9	\$ 2,250	
New grab bars	1	EA	\$ 1,000	\$ 1,000	
New shower seat	1	EA	\$ 600	\$ 600	
New toilet compartment	1	EA	\$ 2,000	\$ 2,000	
New drain piping	1	EA	\$ 1,500	\$ 1,500	
New water supply piping	1	EA	\$ 1,500	\$ 1,500	
New urinal	1	EA	\$ 1,000	\$ 1,000	
New water closet	1	EA	\$ 2,000	\$ 2,000	
New lavatory	1	EA	\$ 1,500	\$ 1,500	
New shower head and controls	5	EA	\$ 2,000	\$ 10,000	
HVAC/Exhaust	1	EA	\$ 7,500	\$ 7,500	
Power	1	EA	\$ 1,500	\$ 1,500	
Lighting	1	EA	\$ 2,500	\$ 2,500	

Total \$ 69,150

	Quantity	Unit	Cost/Unit	Line Total	Total
Building 15 Gymnasium Accessible Drinking Fountain					
Remove drinking fountain	1	EA	\$ 500	\$ 500	
Plumbing prep	1	EA	\$ 750	\$ 750	
Drinking fountain	1	EA	\$ 3,000	\$ 3,000	
Patch and paint wall	1	EA	\$ 1,000	\$ 1,000	
Total					\$ 5,250
Building 15 Gymnasium/Chapel/Law Library Accessible Interior Door Hardware					
Remove existing hardware	15	EA	\$ 100	\$ 1,500	
New lever set hardware	15	EA	\$ 400	\$ 6,000	
Tooch up paint on doors	15	EA	\$ 100	\$ 1,500	
Total					\$ 9,000



3696 Series
Combination Units
Handicap (ADA Compliant*)
36" Wide, (90° Chase)



*Unit may be shown with some optional features



To specify fixture and accessories, use the Model Number and Options page.
Example: To specify a 36" ADA compliant combination unit with offset left hand toilet, on floor, filler/bubbler, dual temp, 1.6 GPF, pneumatic metering valve, toilet waste extension & recessed tissue holder, flush valve conn., flush valve and wall sleeve.
Use the following Willoughby Model Number: ECW-3696-L-ON-BP-1.6-PML2-TWE-RTH-FVT-FV-WS.

Recommended Specifications

Handicap ADA combination lavatory/toilet shall be Willoughby Model No. **EC__-3696-__-__** (select from model number and options list on next page).

Fixture shall be fabricated from 14 gauge, type 304 stainless steel. The construction shall be all welded, with exposed stainless surfaces polished to a #4 satin finish.

Standard toilet shall include: elongated toilet bowl with contoured seat, integral crevice-free self-draining flushing rim with positive afterfill and fully enclosed 2-1/2" O.D. trap which shall maintain a minimum 2" seal and pass a 2-1/8" ball. Toilet shall be blowout type which requires 35 psi minimum flushing pressure. Model shall meet the requirements of ASME A112.19.3/CSA B45.4.

Standard lavatory shall include: oval shaped bowl, 13" x 9-1/2" x 6" deep, stainless steel penal filler/bubbler, fast drain with air vent, elbow waste (1-1/2" F.I.P.), and self-draining soap dish.

Fixture shall withstand loadings up to 5,000 lbs. with no permanent damage.

Cabinet interior shall be sound deadened with fire-resistant material.

Anchoring shall be by standard 6-point system. 1/2" threaded rods, nuts and washers shall be furnished for walls up to 8" thick. Unit shall require chase area for installation and maintenance.

On back to back fixture installations, do not use standard cross type waste fitting: cross flow may result due to blowout jet action. Use sanitary or offset type waste fittings.

Note: For HET 1.28 GPF, unit will pass a 2" ball.

*ADA Compliance requires the addition of Grab Bar GB4296; RTH- Recessed Tissue Holder option is not ADA Compliant.

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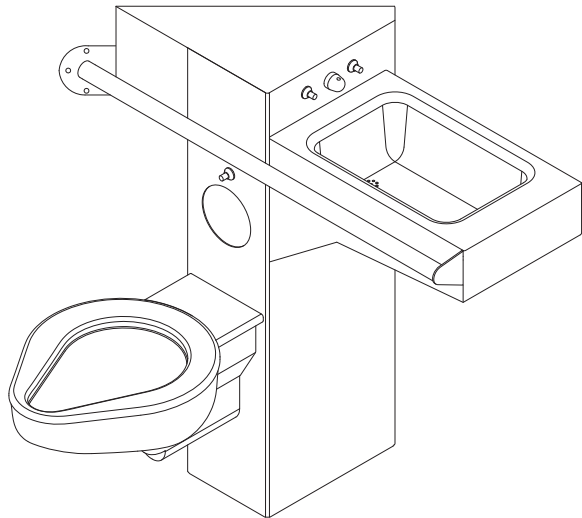


S1-19

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1545 Series
Combination Units
Handicap-ADA Compliant
15" Wide (45° Chase)



*Unit may be shown with some optional features



To specify fixture and accessories, use the Model Number and Options page.
Example: To specify an 15" ADA compliant combination unit with angled left toilet, on floor, filler/bubbler, 1.6 GPF, dual temp, pneumatic metering valve, elbow waste, toilet waste extension, recessed tissue holder, flush valve conn., flush valve and wall sleeve.
Use the following Willoughby Model Number: ECW-1545-L-ON-BP-1.6-PML2-EB-TWE-RTH-FVT-FV-WS.

Recommended Specifications

Handicap ADA compliant combination lavatory/toilet shall be Willoughby Model No. **EC__-1545-__-__-HC** (select from model number and options list on next page)

Fixture shall be fabricated from 14 gauge, type 304 stainless steel. The construction shall be all welded, with exposed stainless surfaces polished to a #4 satin finish.

Standard toilet shall include: elongated toilet bowl with contoured seat, integral crevice-free self-draining flushing rim with positive afterfill and fully enclosed 2 1/2" O.D. trap which shall maintain a minimum 2" seal and pass a 2 1/8" ball. Toilet shall be blowout type which requires 35 psi minimum flushing pressure. Model shall meet the requirements of ASME A112.19.3/CSA B45.4.

Standard lavatory shall include: rectangular shaped bowl, 14" x 9 1/2" x 5" deep, stainless steel filler/bubbler, fast drain with air vent and elbow waste (1 1/2" F.I.P.).

Unit to include grab bar welded to fixture, anchoring to wall by others.

Fixture shall withstand loadings of 5,000 lbs. without permanent damage.

Cabinet interior shall be sound deadened with fire-resistant material.

Anchoring shall be by standard 4-point system. 1/2" threaded rods, nuts and washers shall be furnished for walls up to 8" thick. Unit shall require chase area for installation and maintenance.

On back to back fixture installations, do not use standard cross type waste fitting: cross flow may result due to blowout jet action. Use sanitary or offset type waste fittings.

Note: for HET 1.28gpf, unit will pass a 2" ball.

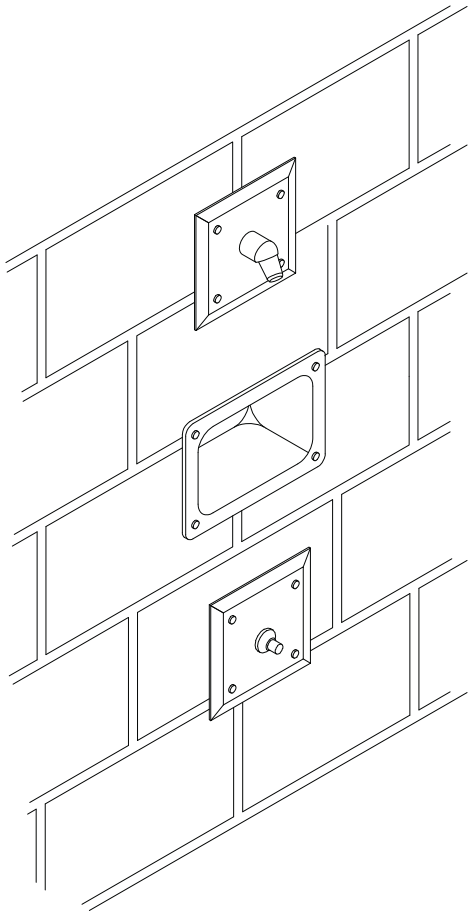
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S1-1

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CWBIS Series
Front Mounted
Built-In Shower



(SOME OPTIONS MAY BE SHOWN)

Recommended Specifications

Front mounted built-in shower shall be Willoughby Model No. **CWBIS-_____**
(select from model number and options list on next page)

Shower head and valve push button face plates shall be fabricated from 16 gauge, type 304 stainless steel with exposed surfaces polished to a #4 satin finish.

Standard equipment shall include: _____ shower valve
(select from model number and options list on next page),
check stop(s), 2.5 GPM flow control and Willoughby APS
vandal resistant showerhead.

Anchoring of stainless steel panels shall be from the front.
Wall anchors by others.

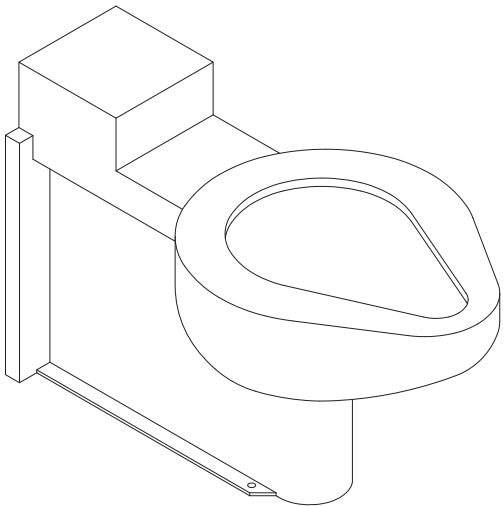
To specify fixture and accessories, use the Model Number and Options Guide.
Example: To specify a rear mounted built-in shower panel with single temp. pneumatic metering valve, and recessed soap dish.
Use the following Willoughby Model Number: CWBIS-PML1-RD.

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C14-21

ETW-1490-FM
Floor Mounted
Blowout Series
Water Closet



1.6 GPF UNIT SHOWN

Recommended Specifications

Toilet shall be Willoughby Model No. **ETW-1490-FM-_____**
(select from model number and options list on next page)

Fixture shall be fabricated from 14 gauge, type 304 stainless steel. The construction shall be all welded, with exposed stainless surfaces polished to a #4 satin finish.

Standard toilet shall include: elongated toilet bowl with contoured seat, integral crevice-free self-draining flushing rim with positive afterfill and fully enclosed 2 1/2" O.D. trap which shall maintain a minimum 2" seal and pass a 2 1/8" ball. Toilet shall be blowout type which requires 35 psi minimum flushing pressure. Model shall meet the requirements of ASME A112.19.3/CSA B45.4.

Fixture shall withstand loadings of 5,000 lbs. without permanent damage.

Anchoring shall be by standard 6-point system (4 in the wall and 2 in the floor): threaded rods, nuts and washers shall be furnished for walls up to 8" thick. Floor anchoring by others. Unit shall require chase area for installation and maintenance.

Note: for HET 1.28 GPF, unit will pass a 2" ball.

On back to back fixture installations, do not use standard cross type waste fitting: cross flow may result due to blowout jet action. Use sanitary or offset type waste fittings.

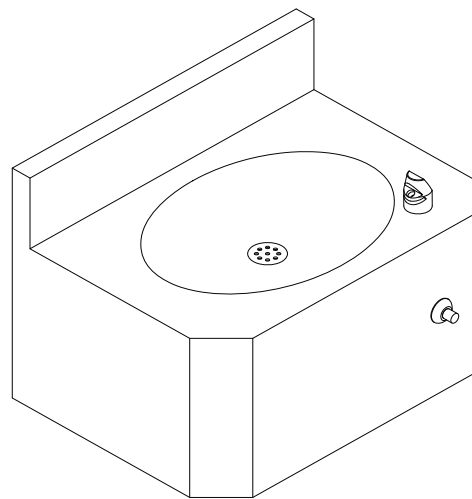
To specify fixture and accessories, use the Model Number and Options page.
Example: To specify an ETW-1490-FM-TS floor mounted, top spud toilet, 1.6 GPF with high polish seat.
Use the following Willoughby Model Number: ETW-1490-FM-TS-1.6-TWE-HPS.

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DF-1013-96-FA
Front Access
Drinking Fountain



To specify fixture and accessories, use the Model Number and Options Guide.

Example: To specify a DF-1013-96-FA front access drinking fountain with drinking fountain bubbler, single temp. pneumatic self-closing valve.

Use the following Willoughby Model Number: DF-1013-96-FA-DB-PS1

Recommended Specifications

Front access drinking fountain shall be Willoughby Model No. **DF-1013-96-FA**.
(select from model number and options list on next page)

Fixture shall be fabricated from 14 gauge, type 304 stainless steel. The construction shall be all-welded, with exposed stainless surfaces polished to a #4 satin finish.

Standard equipment shall include: oval-shaped basin, 13" x 9 1/2" x 1 1/2" deep, stainless steel bubbler, fast drain with air vent, 1 1/2" slip joint, cast brass union 'p'-trap, factory mounted single temperature pneumatic self-closing valve and removable bottom panel attached with vandal resistant screws.

Anchoring shall be from the front with 'z'-clip and anchoring holes provided. Anchoring hardware by others. Unit requires no chase area for installation and maintenance.

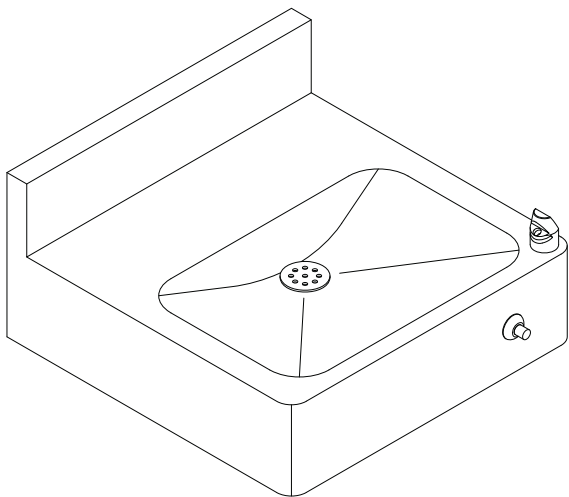
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DF-1015-96-HC
Handicap
Drinking Fountain



To specify fixture and accessories, use the Model Number and Options Guide.

Example: To specify a DF-1015-96-HC handicap drinking fountain with drinking fountain bubbler, single temp. pneumatic self-closing valve and wall sleeve.

Use the following Willoughby Model Number: DF-1015-96-HC-DB-PS1-WS

Recommended Specifications

Handicap drinking fountain shall be Willoughby Model No. **DF-1015-96-HC**.
(select from model number and options list on next page)

Fixture shall be fabricated from 14 gauge, type 304 stainless steel. The construction shall be all-welded, with exposed stainless surfaces polished to a #4 satin finish.

Standard equipment shall include: rectangular-shaped basin, 14 1/2" x 10" x 1" deep, stainless steel bubbler, fast drain with air vent and elbow waste (1 1/2" F.I.P.).

Cabinet interior shall be sound deadened with fire-resistant material.


Anchoring shall be by standard 4-point system: 1/2" threaded rods, nuts and washers shall be furnished for walls up to 8" thick. Unit shall require chase area for installation and maintenance.

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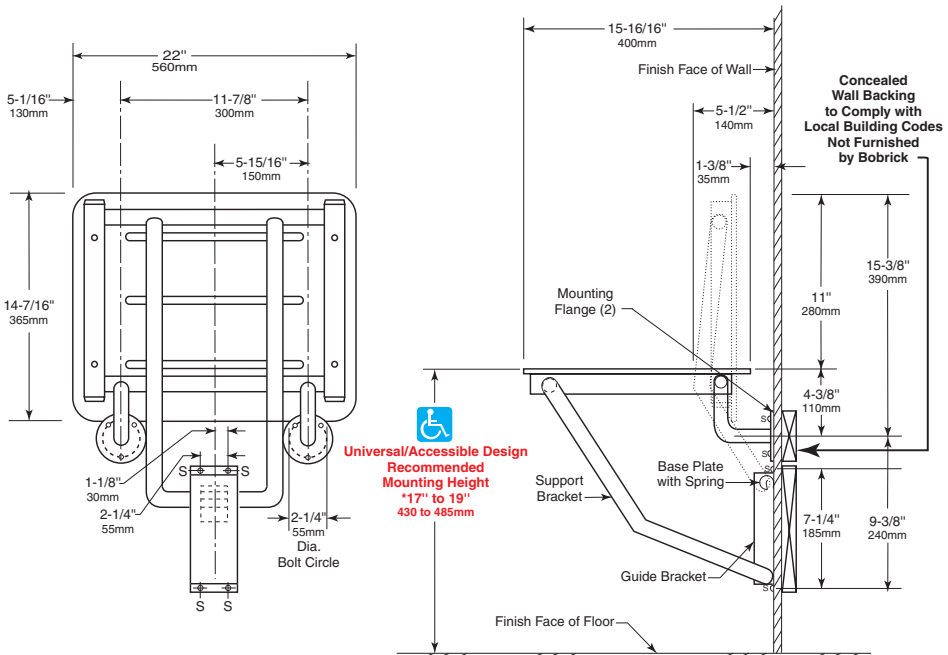

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Technical Data

SOLID PHENOLIC
FOLDING
SHOWER/DRESSING
AREA SEAT

B-5192



MATERIALS:

Seat — One-piece, 5/16" (8mm) thick, solidly fused plastic laminate with matte-finish melamine surfaces, ivory-colored face sheets, and black phenolic-resin core that are integrally bonded — cannot delaminate. Integral slots for water drainage. Secured to frame with stainless steel carriage bolts and acorn nuts.

Frame — 18-8, type-304, stainless steel with satin finish. 16-gauge (1.6mm), 1-1/4" (30mm) square tubing and 18-gauge (1.2mm), 1" (25mm) diameter seamless tubing.

Mounting Flanges (2) — 18-8, type-304, 3/16" (5mm) thick stainless steel with satin finish. 3" (75mm) diameter with three mounting screw holes.

Baseplate — 18-8, type-304, heavy-gauge stainless steel.

Spring — 17-7, type-301, 24-gauge (0.6mm) stainless steel. Spot-welded to baseplate.

Guide Bracket — 18-8, type-304, 16-gauge (1.6mm) stainless steel with satin finish.

continued . . .

The illustrations and descriptions herein are applicable to production as of the date of this Technical Data Sheet.
The manufacturer reserves the right to, and does from time to time, make changes and improvements in designs and dimensions.

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Penal-Ware® 1652 Series

18" Lavatory with Oval Bowl - ADA 2010 Compliant



1652-1-BP-04-M

Fixture May Show Some Available Options

Please visit www.acorneng.com for most current specifications.

18" Lavatory with Oval Bowl - ADA 2010 Compliant

Fixture is designed to be installed on a finished wall and serviced from an accessible pipe chase. Optional Wall Sleeve or Metal Template is recommended for all installations for required wall openings. Lavatory complies with ANSI, UFAS and ADA 2010 requirements for accessibility. Compliance is subject to the interpretation and requirements of the local code authority.

Cabinet is fabricated from 14 gage, type 304 stainless steel and is seamless welded construction with exposed surfaces polished to a satin finish. Cabinet interior is sound-deadened with fire-resistant material. There are no accessible voids or crevices where contraband can be concealed.

Lavatory Oval Bowl is 14-3/4" x 9-1/2" x 4-1/2" deep and includes an integral fast drain. Standard elbow waste outlet is 1-1/2" O.D. plain end and extends 11" beyond the fixture to be field trimmed to fit by installer.

Optional Lavatory Valve is an pneumatically operated, pushbutton Air-Control valve using atmospheric air. Pushbutton is vandal-resistant and requires less than 5 pounds to activate valve. Valve is metering, non-hold open type. Valve timing is adjustable from 5 to 60 seconds. Valve includes a 0.5 GPM flow control and can be remotely located up to 10 feet from the operating pushbutton. Valve and Bubbler conforms with lead free requirements of NSF61, Section 9, 1997 and CHSC 116875.

Regularly furnished items include a fast drain, an integral self-draining soap dish and mounting hardware for walls up to 8" thick.

Suffix Option -DMB, Deck Mounted Bubbler optionally available, provides a drinking bubbler that meets ADA requirements and lead free requirements of NSF61, Section9, 1997, CHSC 116875. This option also includes a separate pushbutton and non-metering Air-Control valve with .7 GPM flow control.

GUIDE SPECIFICATION

Provide and install an Acorn Penal-Ware, 18" wide ADA 2010 Compliant Lavatory with Oval Bowl (specify model number and options). Unit shall conform with ANSI, UFAS and ADA requirements for accessibility. Fixture shall be fabricated from 14 gage, type 304 stainless steel. Construction shall be seamless welded and exposed surfaces shall have a satin finish. Countertop shall have an air-circulating, self-draining soap dish. Provide Air-Control pneumatically operated, metering, non-hold open valve with ADA compliant pushbutton. Valve and Bubbler conform with lead free requirements of NSF61, Section 9, 1997 and CHSC 116875. Cabinet interior shall be sound deadened with fire-resistant material. Fixture shall be furnished with necessary fasteners to complete installation.

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Revised: 09/19/13

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Americans with Disabilities Act Survey for Northern Nevada Correctional Center, Project 13-S02-11

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November 20, 2015