



# Architecture

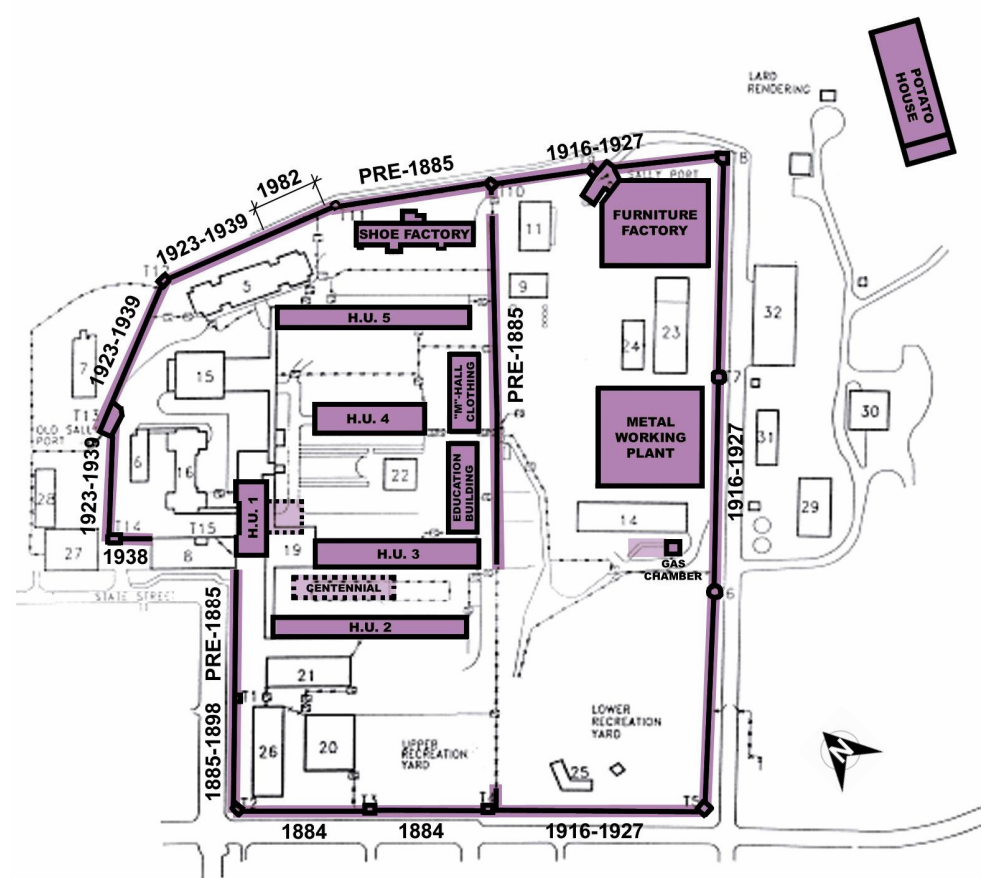
M S P

# Architecture

## Introduction

The Project Team has conducted a redevelopment/reuse overview evaluation of the existing project structures which were identified in the Process Definition Plan (the Consensus Plan) for further consideration and inclusion in the Framework Plan. The structures evaluated included:

- Housing Unit 1
- Housing Unit 2
- Housing Unit 3
- Housing Unit 4
- Housing Unit 5
- Shoe Factory
- Furniture Factory
- Metal Working Plant
- Centennial Cells
- Gas Chamber
- Potato House
- Education Building & Maintenance Building
- Stone Walls



# Architecture

## Process

The Project Team reviewed existing drawings and established background floor plans; conducted building and site walk-throughs; conducted visual inspection and findings; developed existing building diagrams, studied volume/space opportunities and identified potential uses.

A generalized program statement for the reuse of the existing buildings was prepared along with functional diagram concepts for the reuse of the existing buildings. These recommendations are

illustrated on the following pages and integrated into the site, urban design and community context plan solutions.

## Buildings Re-Use

During the planning process three building re-use concepts emerged as viable solutions within the framework plan. Examples of the re-use scenarios include:

- Preserve & Restore (HU 4)
- Combination Restore and Adaptive Re-Use (HU 1)
- Adaptive Re-Use (HU 2)

## Summary

The build evaluations and recommendations were generally formulated based on the following basic principles: first, preserving the context of the site from a “public” view and a “user” view; preserving the “essence of the prison”; structural considerations of the existing buildings; architectural/historic value; Consensus Plan perspective; and surrounding land use recommendations contained in the Framework Plan.



# Architecture

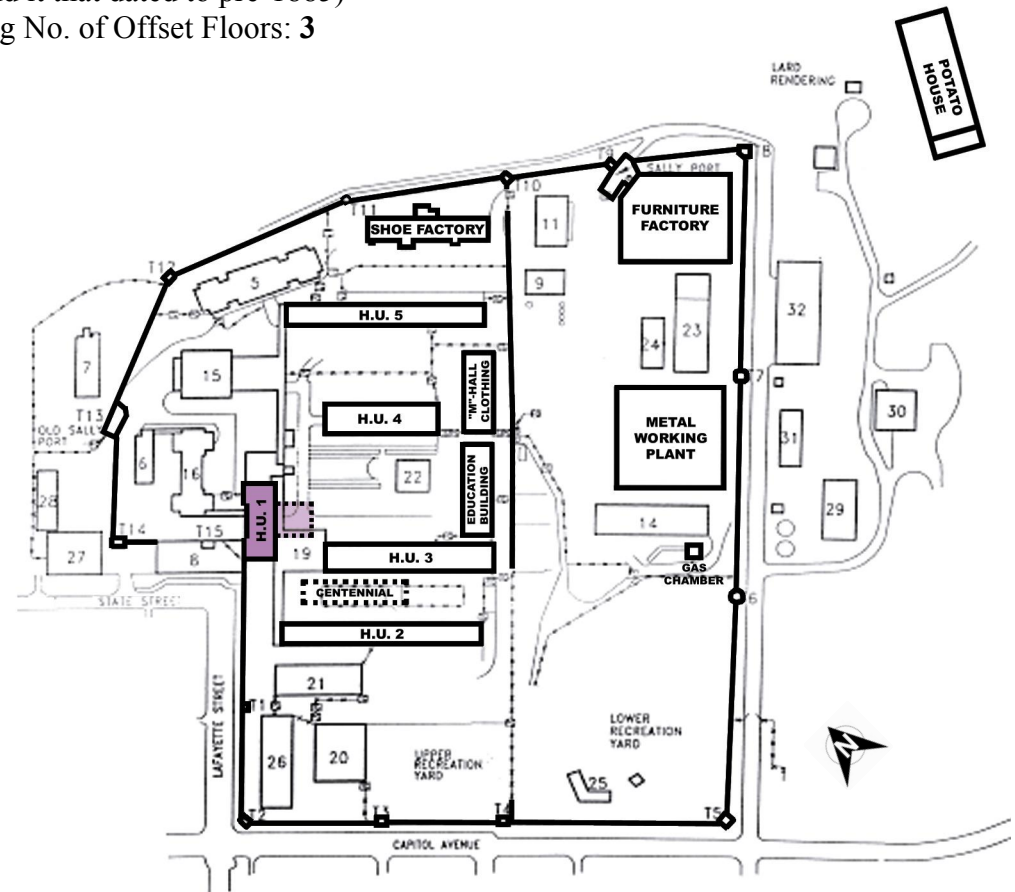
## Housing Unit #1 – Existing Information

### General Information

Date of Construction: **1905** (Earlier building once existed behind it that dated to pre-1885)  
 Existing No. of Floors: **5** Existing No. of Full Floors: **1** Existing No. of Offset Floors: **3**  
 Existing Area per Full Floor Plates: **7,000 gross sq. ft.**  
 Existing Total Floor Area: **26,300 gross sq. ft.**  
 Existing Prison Cell Floor to Floor Height: **7'-4"**

### Historic Information

1. WPA construction has covered the exterior of this building on almost every elevation.
2. Rear (east) elevation compromised by the removal of a pre-1885 structure during the WPA remodeling. The earlier building acted as a gated entrance into the prison.
3. Emma Goldman lived here; famous anarchist and communist, she argued for prison reform.
4. “Red Kate” O’Hare lived here; American socialist and federal prisoner, the U.S. had no female prisons at the time.
5. A bust of Governor Alexander Dockery, a clock and a state seal carved out of stone exist on the main (west) elevation above the entrance.



# Architecture

## Housing Unit #1 – Existing Information



### Preservation Zones

- Level 1 - Preservation Zone**  
The character & qualities of this zone should be maintained & preserved as the highest priority
- Level 2 - Preservation Zone**  
Every effort should be made to maintain and preserve the character and qualities of this zone
- Level 3 - Rehabilitation Zone**  
Undertake all work in this zone as sensitive as possible; However, contemporary methods, materials, & designs may be selectively incorporated
- Level 4 - Free Zone**  
Treatments in this zone, while sympathetic to the historic qualities & character of the building, may incorporate extensive changes or total replacement through the introduction of contemporary methods, materials & designs



West Elevation



View from Northeast

# Architecture

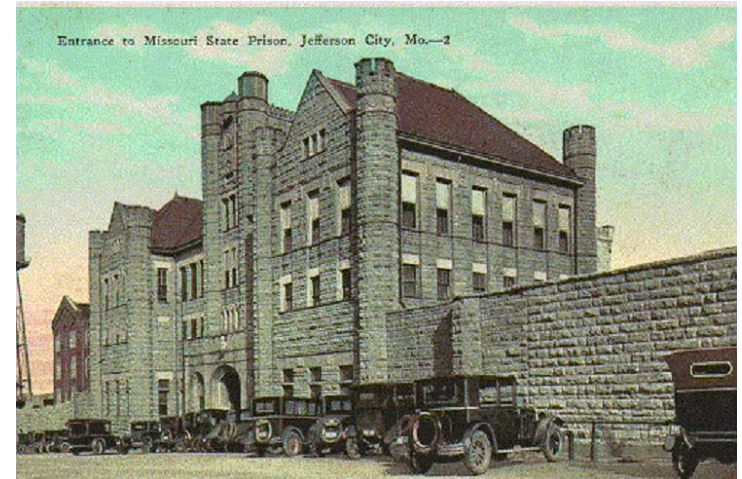
## Housing Unit #1 – Possible Use

### Redevelopment Issues

1. How should the east elevation be restored once the WPA corridor is removed? The brick infill where H.U. #1 attached to the pre-1885 structure is somewhat unsightly. Rebuilding this structure should be considered in redevelopment plans.
2. Major modifications should be reversed for appearance and historic integrity. These include restoring the roof overhang, rebuilding approximately 5’-0” to the tops of the turrets, 7’-0” of the clock tower and restoring window openings that have been bricked in.

### Best Potential Uses

1. Prison Museum / Interpretive Education Center, Support Retail, Tourist Information Center & Restrooms
2. Film Site or Studio
3. MSP Commission Offices & CVB Offices



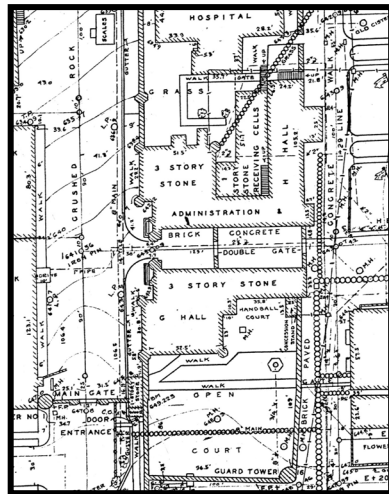
Historic View of West Elevation prior to WPA (1936) additions, the rear pre-1885 structure is barely visible to the right.



Historic View of East Elevation prior to WPA (1936) additions, the rear pre-1885 structure is shown here.





# Architecture

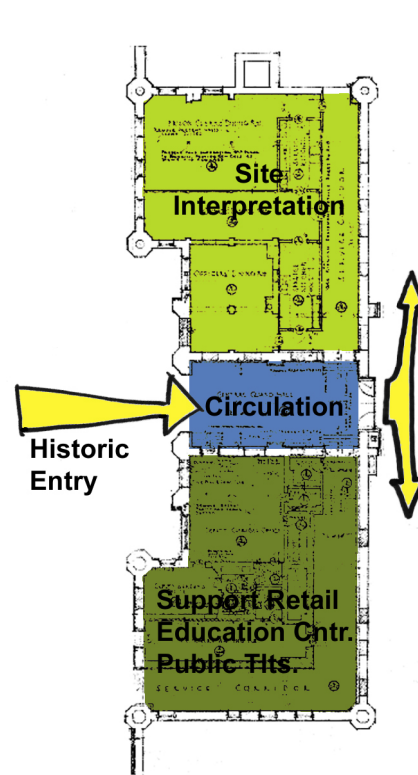
## Housing Unit #1 – Possible Use



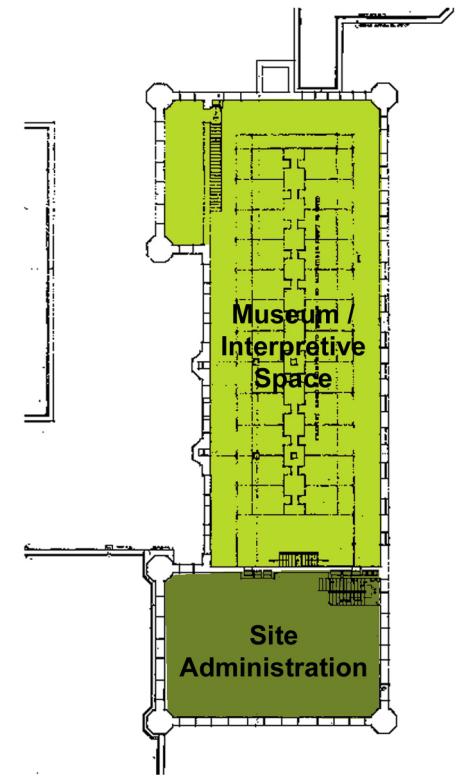
1935 plan of 1<sup>st</sup> floor of H.U. #1. Notice the double gate through the center of the building

### Possible Use Zones

- 
**Primary Use**  
 This area identifies the primary use for the building
- 
**Secondary Use**  
 This area identifies additional uses for the building beyond the primary use
- 
**Circulation**  
 This area identifies a zone for potential hallways, new required stairs, lobbies and elevator cores
- 
**Possible Addition**  
 This area identifies a zone for potential development attached to this historic building and suggestion as to how it could be done in a sensitive manner



Proposed First Floor Plan



Proposed 2nd Floor Plan



# Architecture

## Housing Unit #2 – Existing Information

### General Information

Date of Construction: **1938**

Existing No. of Floors: **5** Existing No. of Full Floors: **2** Existing No. of Offset Floors: **3**

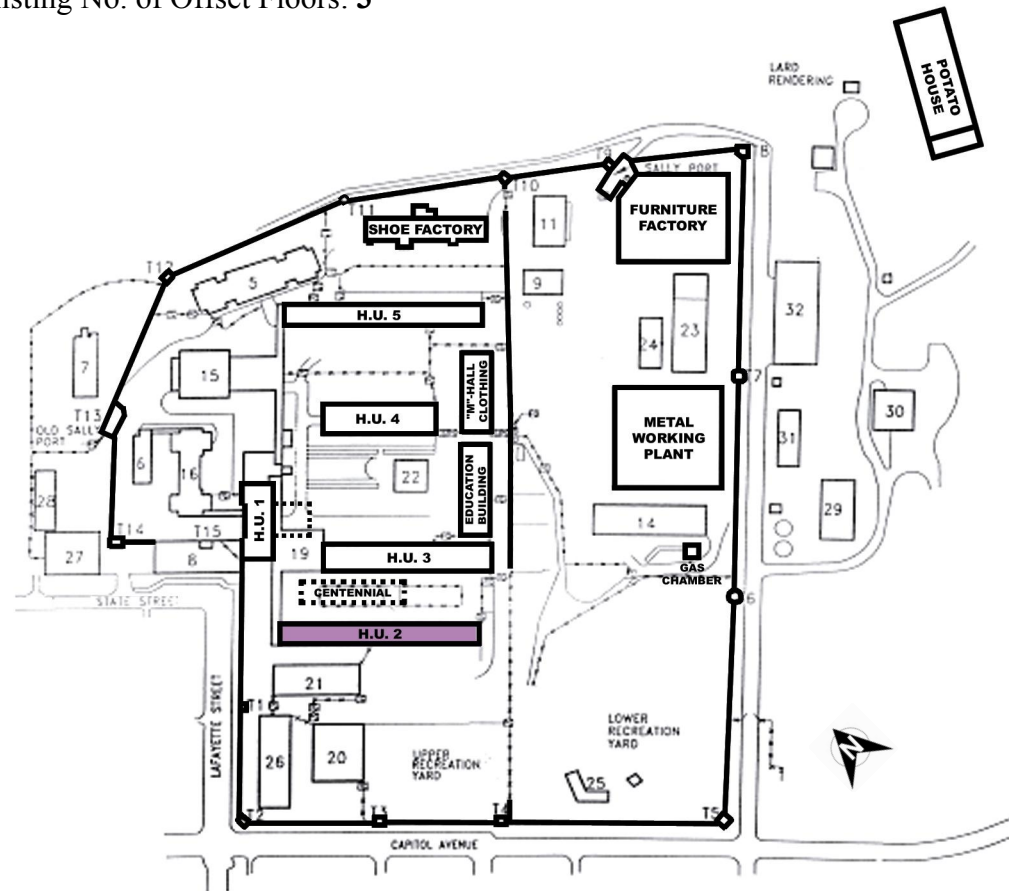
Existing Area per Full Floor Plates: **18,000 gross sq. ft.**

Existing Total Floor Area: **49,000 gross sq. ft.**

Existing Prison Cell Floor to Floor Height: **9'-0"**

### Historic Information

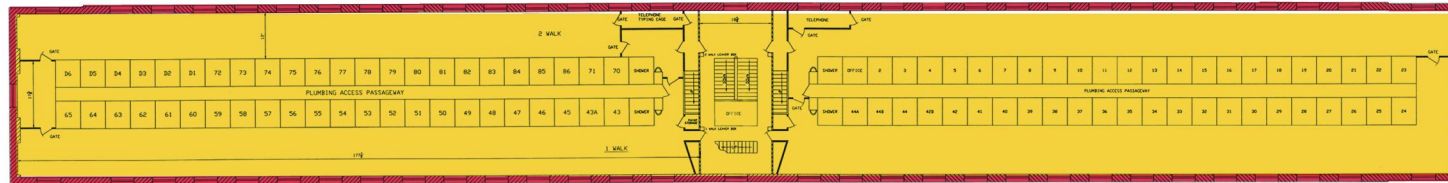
1. Prison Cells are a significant feature within the building although examples of similar era cell construction will be preserved in Housing Unit #1 and potentially H.U. #3.
2. New floor levels to replace cells will eliminate full view of multi-level windows from the interior.
3. New construction for addition may require archeological work to comply with Section 106.
4. Constructed during extensive WPA work at this site.





# Architecture

## Housing Unit #2 – Existing Information



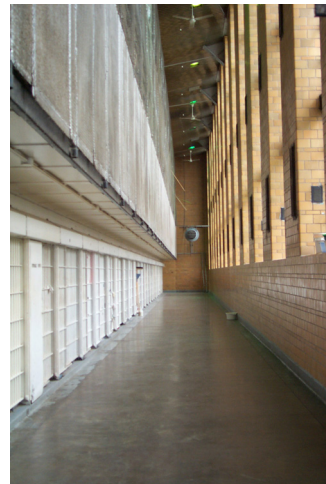
**NORTH ELEVATION PRIMARY, FACES HISTORIC QUADRANGLE & SERVES AS BACKDROP TO VIEWS FROM 1868 H.U. #4**

**Preservation Zones over Existing Plan**



### Preservation Zones

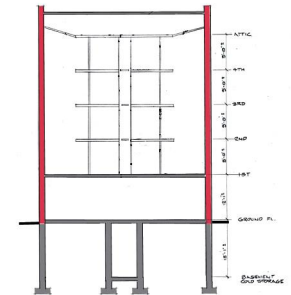
- Level 1 - Preservation Zone**  
The character & qualities of this zone should be maintained & preserved as the highest priority
- Level 2 - Preservation Zone**  
Every effort should be made to maintain and preserve the character and qualities of this zone
- Level 3 - Rehabilitation Zone**  
Undertake all work in this zone as sensitive as possible; However, contemporary methods, materials, & designs may be selectively incorporated
- Level 4 - Free Zone**  
Treatments in this zone, while sympathetic to the historic qualities & character of the building, may incorporate extensive changes or total replacement through the introduction of contemporary methods, materials & designs



Typical View Into Cell Block Area



North elevation



**Existing Section**



# Architecture

## Housing Unit #2 – Possible Use

### General Information

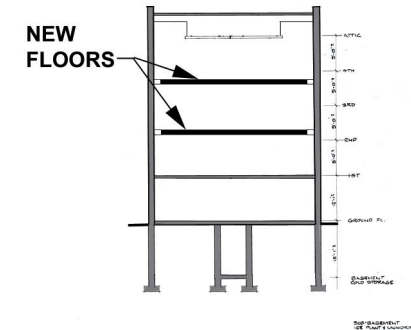
Date of Construction: **1938**

Proposed No. of Floors: **4** Proposed No. of Full Floors: **4** Proposed No. Of Offset Floors: **0**

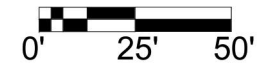
Proposed Area per Full Floor Plates: **18,000 gross sq. ft.**

Proposed Total Floor Area: **72,000 gross sq. ft.**

Redevelopment plan: **Cells to be removed and new floors installed**



Alternate Section

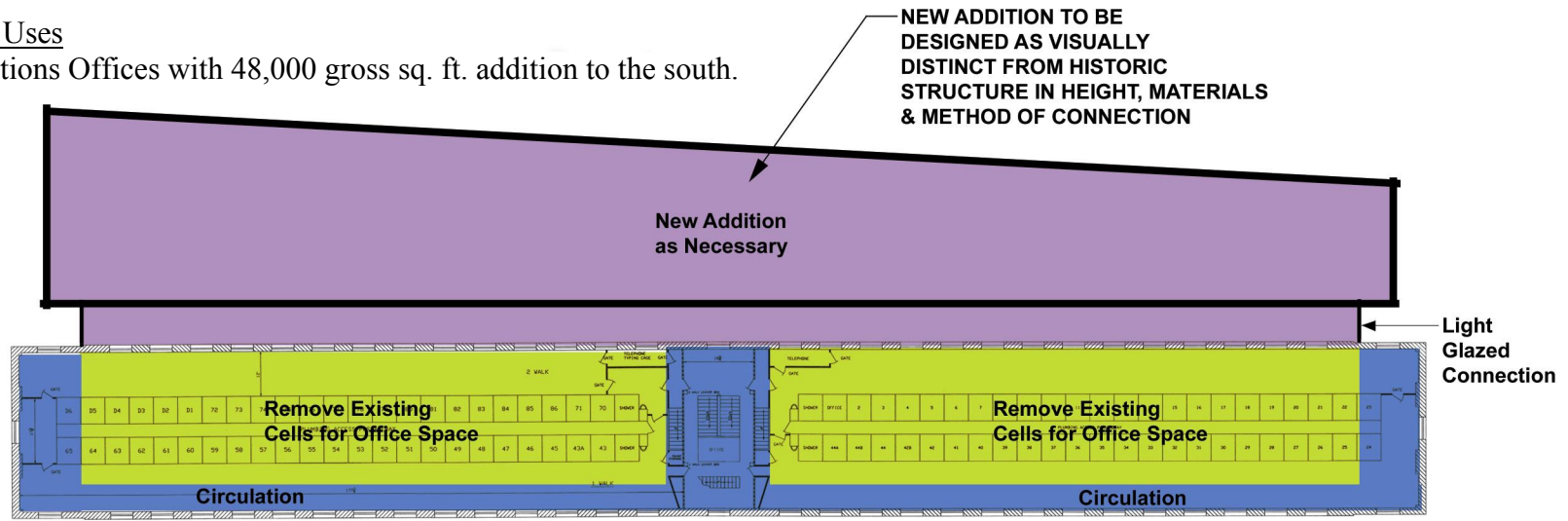


### Redevelopment Issues

1. The north elevation of this building can serve as the southern backdrop for the historic zone.
2. The steel cells are independent of the building structure, they can be removed without effecting the roof structure.

### Potential Uses

1. Corrections Offices with 48,000 gross sq. ft. addition to the south.



Alternative overlayed onto Existing Plan



## Architecture

### Housing Unit #3 – Existing Information

#### General Information

Date of Construction: **1914**

Existing No. of Floors: **6** Existing No. of Full Floors: **2** Existing No. Of Offset Floors: **4**

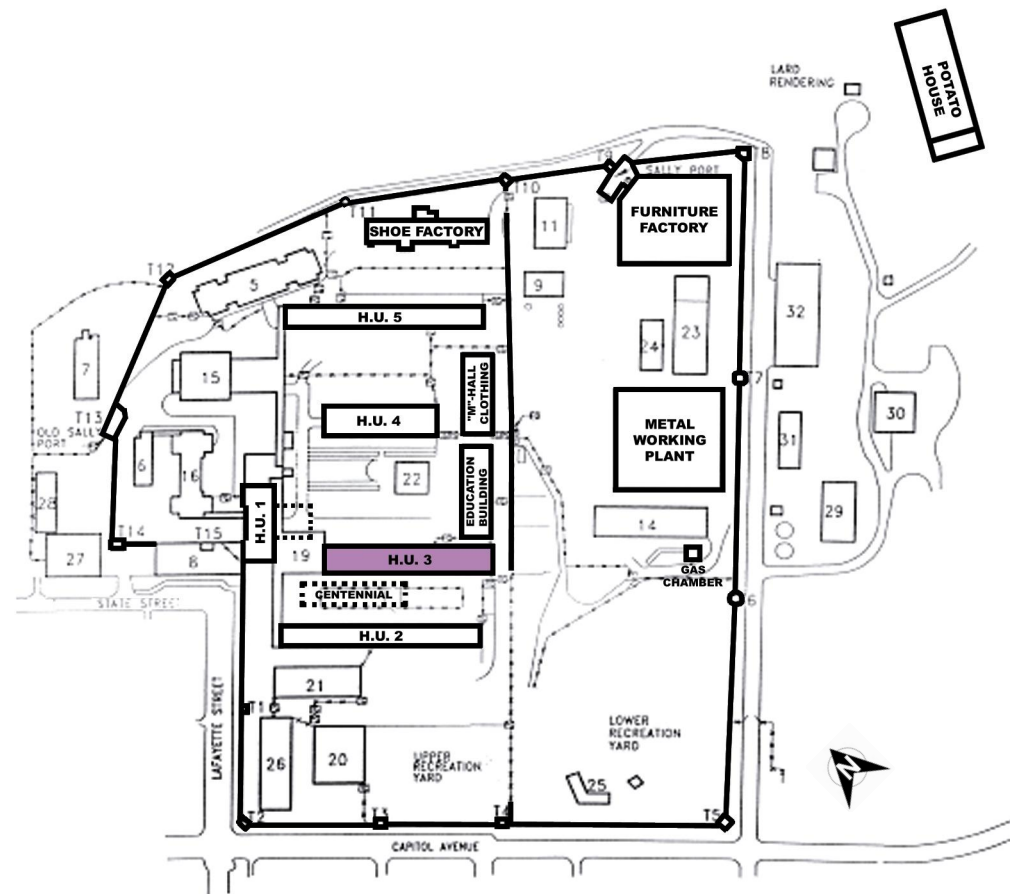
Existing Area per Full Floor Plates: **16,000 gross sq. ft.**

Existing Total Floor Area: **75,000 gross sq. ft.**

Existing Prison Cell Floor to Floor Height: **8'-4"**

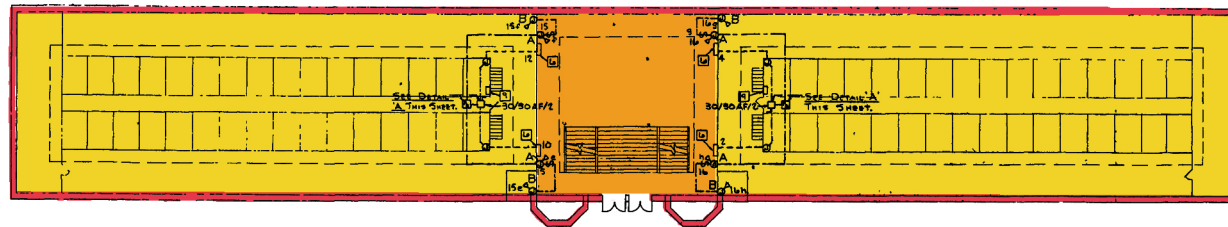
#### Historic Information

1. Prison Cells are a significant feature within the building although examples of similar era cell construction will be preserved in Housing Unit #1. Cells at one-half of the building's length could be preserved for interpretive purposes.
2. New floor levels to replace cells will eliminate full view of multi-level windows from the interior.
3. Interior stairwell is a significant historic feature; these should be retained although new floor levels will not match the existing landing elevations.
4. 1954 riot started and ended in this building.



**Architecture**

**Housing Unit #3 – Existing Information**

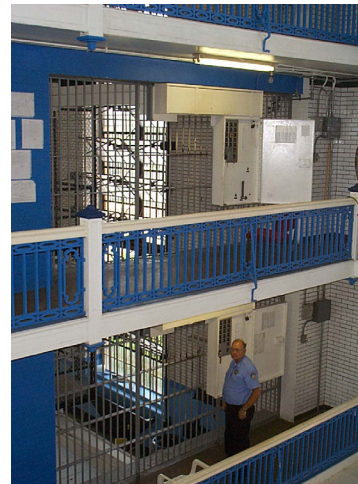


**Existing First Floor Plan**



**Preservation Zones**

- Level 1 - Preservation Zone**  
The character & qualities of this zone should be maintained & preserved as the highest priority
- Level 2 - Preservation Zone**  
Every effort should be made to maintain and preserve the character and qualities of this zone
- Level 3 - Rehabilitation Zone**  
Undertake all work in this zone as sensitive as possible; However, contemporary methods, materials, & designs may be selectively incorporated
- Level 4 - Free Zone**  
Treatments in this zone, while sympathetic to the historic qualities & character of the building, may incorporate extensive changes or total replacement through the introduction of contemporary methods, materials & designs



View of gun walk



Existing North Elevation

# Architecture

## Housing Unit #3 – Possible Use

### General Information

Date of Construction: **1914**

Proposed No. of Floors: **5 1/2** Proposed No. of Full Floors: **2** Proposed No. Of Offset Floors: **4**

Proposed Area per Full Floor Plates: **16,000 gross sq. ft.**

Proposed Total Floor Area: **75,600 gross sq. ft.**

Redevelopment plan: **Cells at west half of building could be removed for office space & new full floors installed**

### Redevelopment Issues

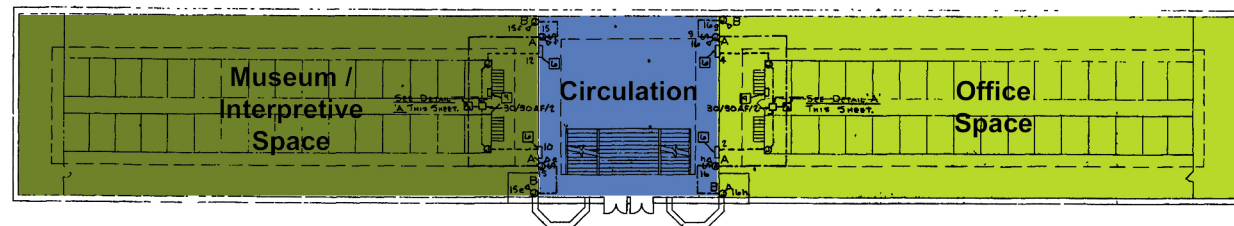
1. Interior gun walk / stairwell is a historic feature that should be preserved; landing levels are at each cell floor level. Existing cell floor-to-floor heights are not acceptable for modern offices. If the cells of at least one side of the building are removed for new development the stair landings will no longer line up with the new floor levels; a creative solution will be required.
2. WPA Canteen should be removed from the west elevation and the exterior then restored to pre-WPA appearance.

### Potential Uses

1. Offices
2. Prison museum

### Possible Use Zones

- Primary Use**  
This area identifies the primary use for the building
- Secondary Use**  
This area identifies additional uses for the building beyond the primary use
- Circulation**  
This area identifies a zone for potential hallways, new required stairs, lobbies and elevator cores
- Possible Addition**  
This area identifies a zone for potential development attached to this historic building and suggestion as to how it could be done in a sensitive manner



Alternative overlaid onto Existing Plan



## Architecture

### Housing Unit #4 – Existing Information

#### General Information

Date of Construction: **1868**

No. of Floors: **5** No. of Full Floors: **1** No. Of Offset Floors: **3**

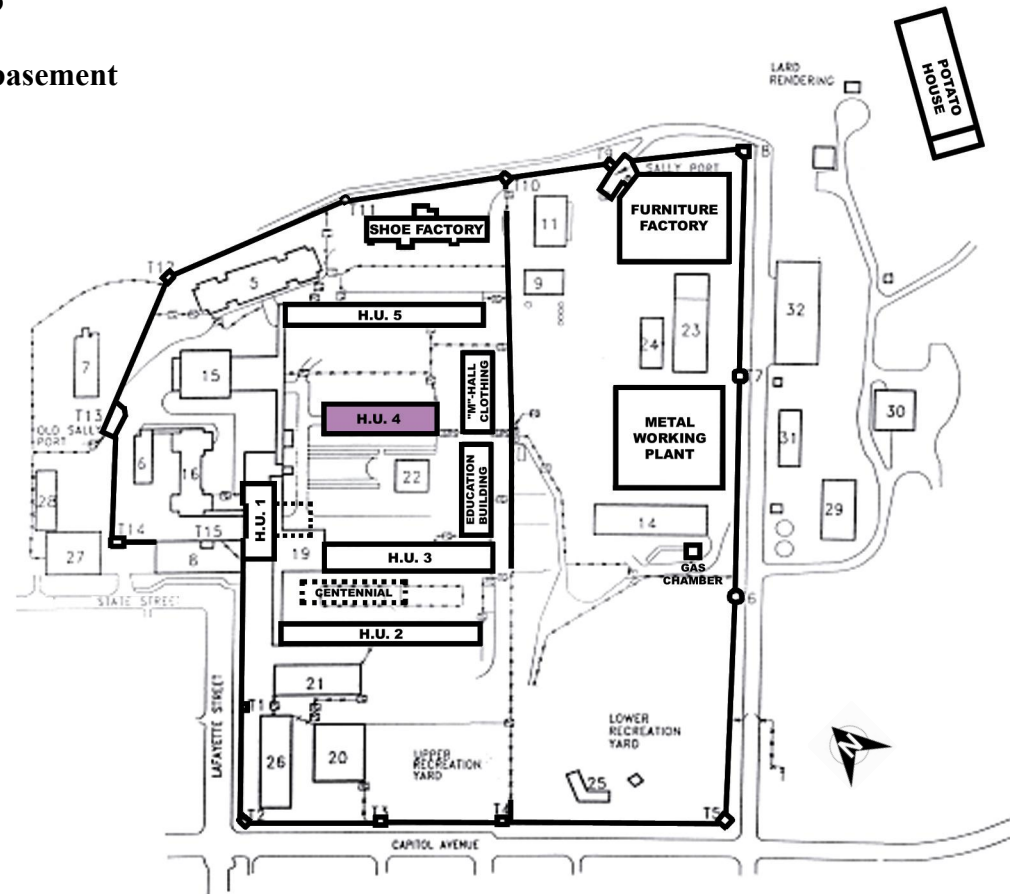
Existing Area per Full Floor Plates: **13,500 gross sq. ft.**

Existing Total Floor Area: **43,000 gross sq. ft. not included basement**

Cell Floor to Floor Height: **10'-3"**

#### Historic Information

1. To what period should building be restored?
2. Roof overhang was removed.
3. A vertical mullion stone appears to have been removed at each window opening at the north and south elevations. This divided each opening into what was originally two separate windows.
4. Built for post-Civil War criminals.
5. Designed by Warden Horace Swift.
6. Stone was quarried on site by prisoners.
7. Oldest building existing on the site.

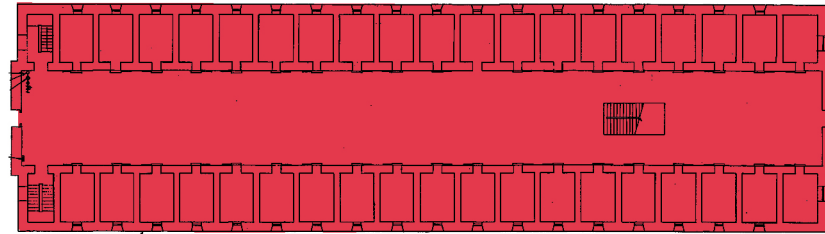


**Architecture**

**Housing Unit #4 – Existing Information**







View of typical window



**Existing First Floor Plan**



**Preservation Zones**

- 
**Level 1 - Preservation Zone**  
 The character & qualities of this zone should be maintained & preserved as the highest priority
- 
**Level 2 - Preservation Zone**  
 Every effort should be made to maintain and preserve the character and qualities of this zone
- 
**Level 3 - Rehabilitation Zone**  
 Undertake all work in this zone as sensitive as possible; However, contemporary methods, materials, & designs may be selectively incorporated
- 
**Level 4 - Free Zone**  
 Treatments in this zone, while sympathetic to the historic qualities & character of the building, may incorporate extensive changes or total replacement through the introduction of contemporary methods, materials & designs



Interior View



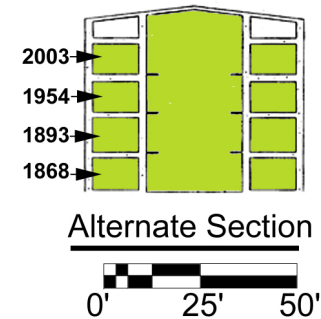
View from Northwest

# Architecture

## Housing Unit #4 – Possible Use

### Redevelopment Issues

1. What period should the building be restored? Many modifications have occurred to the building since it's construction.
2. It appears that the roof overhang and soffits were removed exposing brick backup material above the stone walls, these should be restored.
3. Stone restoration will be necessary. There are crushed stones at various locations and missing stone mullions in the window openings that should be restored.
4. Integrating modern mechanical systems could be completely hidden. The extent to which this is done will be dependant on the interpretive philosophy for this building.

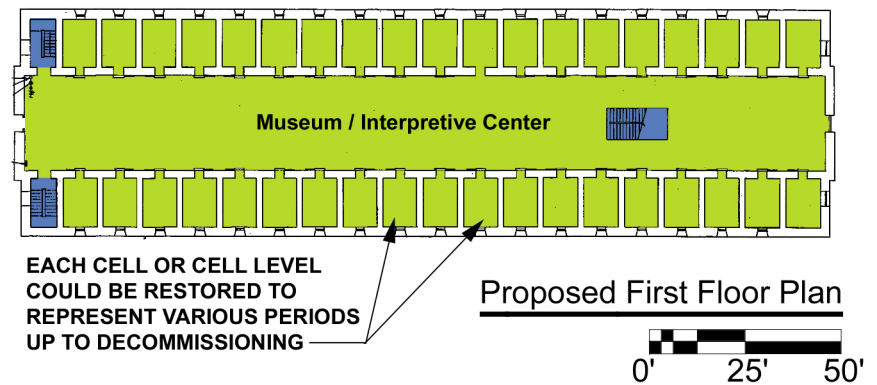


### Potential Uses

1. Prison Museum / Interpretive Center. Each floor level could be restored and furnished to represent distinct time periods of prison life as shown in the Alternate Section above.

### Possible Use Zones

- Primary Use**  
This area identifies the primary use for the building
- Secondary Use**  
This area identifies additional uses for the building beyond the primary use
- Circulation**  
This area identifies a zone for potential hallways, new required stairs, lobbies and elevator cores
- Possible Addition**  
This area identifies a zone for potential development attached to this historic building and suggestion as to how it could be done in a sensitive manner





## Architecture

### Housing Unit #5 – Existing Information

#### General Information

Date of Construction: **1938**

No. of Floors: **7** No. of Full Floors: **4** No. Of Offset Floors: **3**

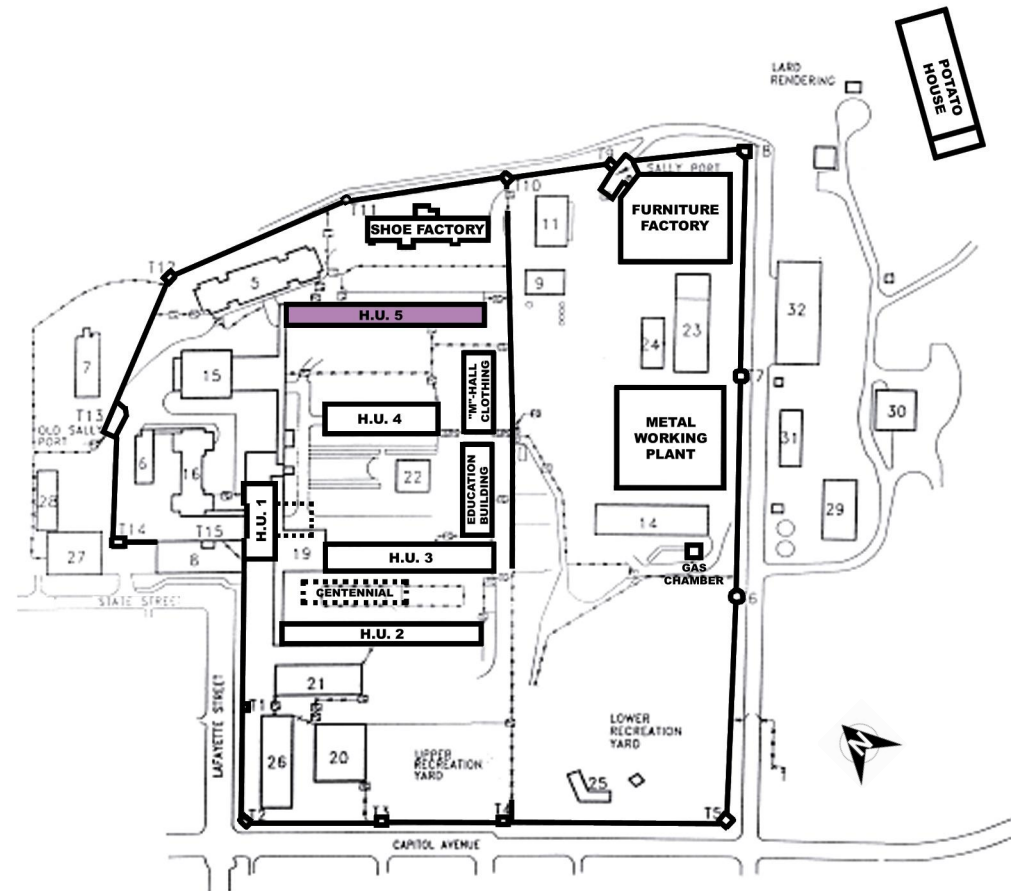
Existing Area per Full Floor Plates: **17,000 gross sq. ft.**

Existing Total Floor Area: **97,500 gross sq. ft.**

Cell Floor to Floor Height: **9'-0"**

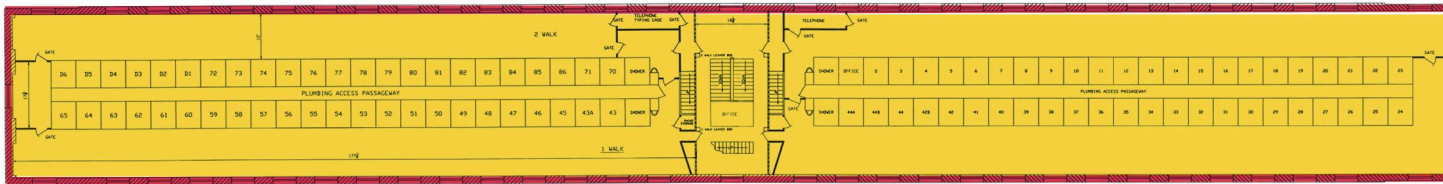
#### Historic Issues

1. Prison Cells are a significant feature within the building although examples of similar era cell construction will be preserved in Housing Unit #1 and potentially H.U. #3.
2. New floor levels to replace cells will eliminate full view of multi-level windows from the interior.
3. Constructed during extensive WPA work at this site.



**Architecture**

**Housing Unit #5 – Existing Information**

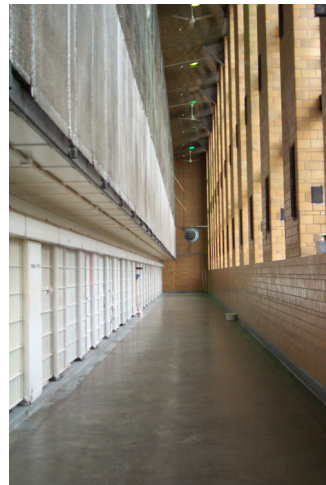


Preservation Zones over Existing Plan

1"=50'-0"

**Preservation Zones**

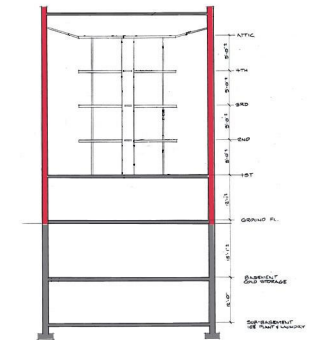
- Level 1 - Preservation Zone**  
The character & qualities of this zone should be maintained & preserved as the highest priority
- Level 2 - Preservation Zone**  
Every effort should be made to maintain and preserve the character and qualities of this zone
- Level 3 - Rehabilitation Zone**  
Undertake all work in this zone as sensitive as possible; However, contemporary methods, materials, & designs may be selectively incorporated
- Level 4 - Free Zone**  
Treatments in this zone, while sympathetic to the historic qualities & character of the building, may incorporate extensive changes or total replacement through the introduction of contemporary methods, materials & designs



Typical View Into Cell Block Area



South Elevation



Existing Section

1"=50'-0"

## Architecture

### Housing Unit #5 – Possible Use

#### General Information

Date of Construction: **1938**

No. of Floors: **6** No. of Full Floors: **6** No. Of Offset Floors: **0**

Proposed Area per Full Floor Plates: **17,000 gross sq. ft.**

Proposed Total Floor Area: **102,500 gross sq. ft.**

Cells to be completely removed

#### Redevelopment Issues

1. Locked in between Housing Unit #4 preservation area to the south and proposed vehicular circulation to the north.
2. West elevation is integrated into the WPA corridor since they were built at the same time; if the corridor is removed, the detailing of this at the building will be important.
3. Water infiltration problems are occurring in the sub-basement level due to the extended lower levels under courtyard to the south.
4. Shallow floor plates.
5. The south elevation can serve as the northern backdrop for the historic zone.

#### Potential Uses

1. Hotel – approximately 152 rooms (38 rooms on each floor x 4 floors)
2. Offices







Alternate Section

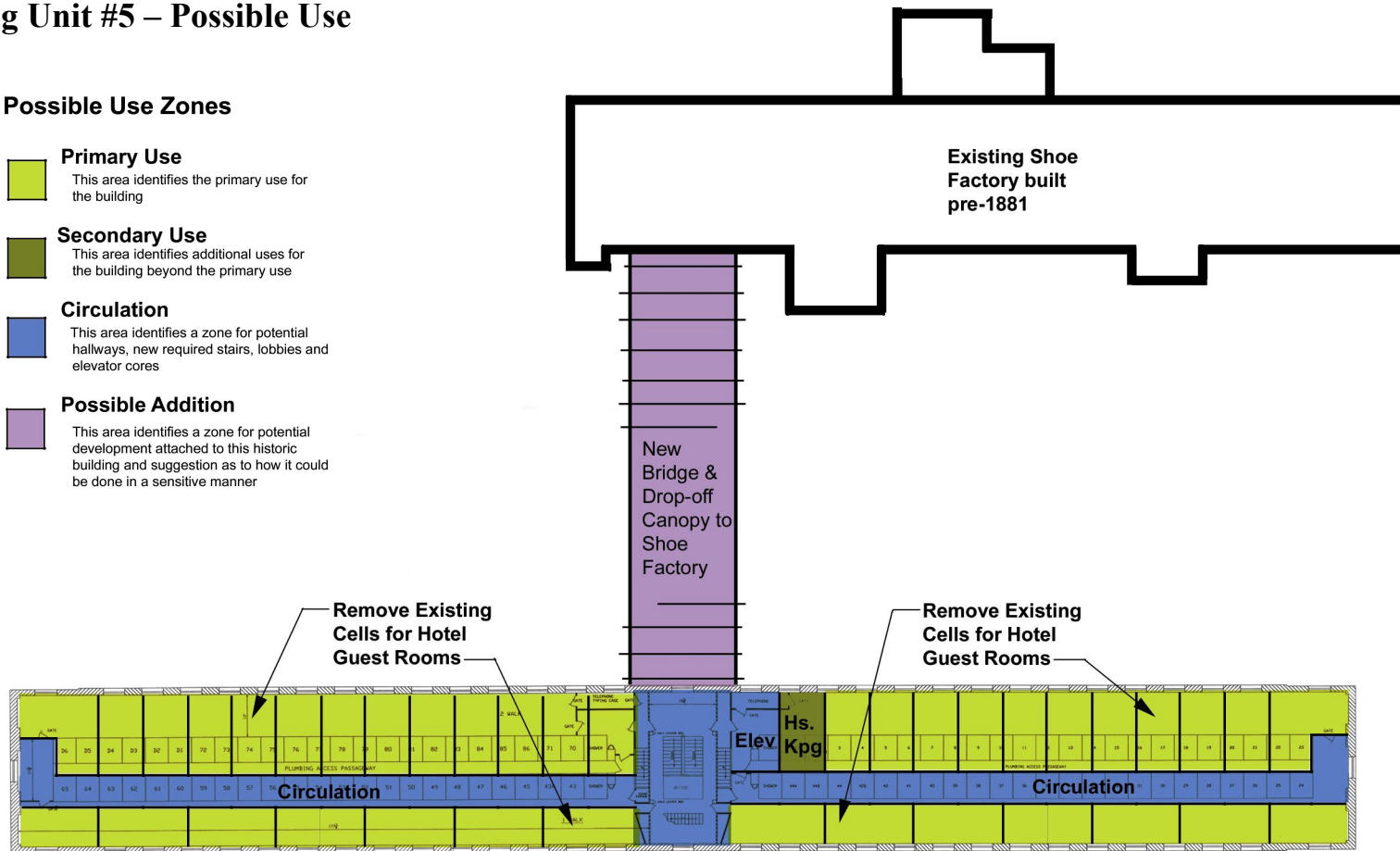


# Architecture

## Housing Unit #5 – Possible Use

### Possible Use Zones

- 
**Primary Use**  
 This area identifies the primary use for the building
- 
**Secondary Use**  
 This area identifies additional uses for the building beyond the primary use
- 
**Circulation**  
 This area identifies a zone for potential hallways, new required stairs, lobbies and elevator cores
- 
**Possible Addition**  
 This area identifies a zone for potential development attached to this historic building and suggestion as to how it could be done in a sensitive manner



Alternative overlaid onto Existing Plan



# Architecture

## Shoe Factory – Existing Information

### General Information

Date of Construction: **pre-1881 although burned in 2 major fires**

No. of Floors: **4**

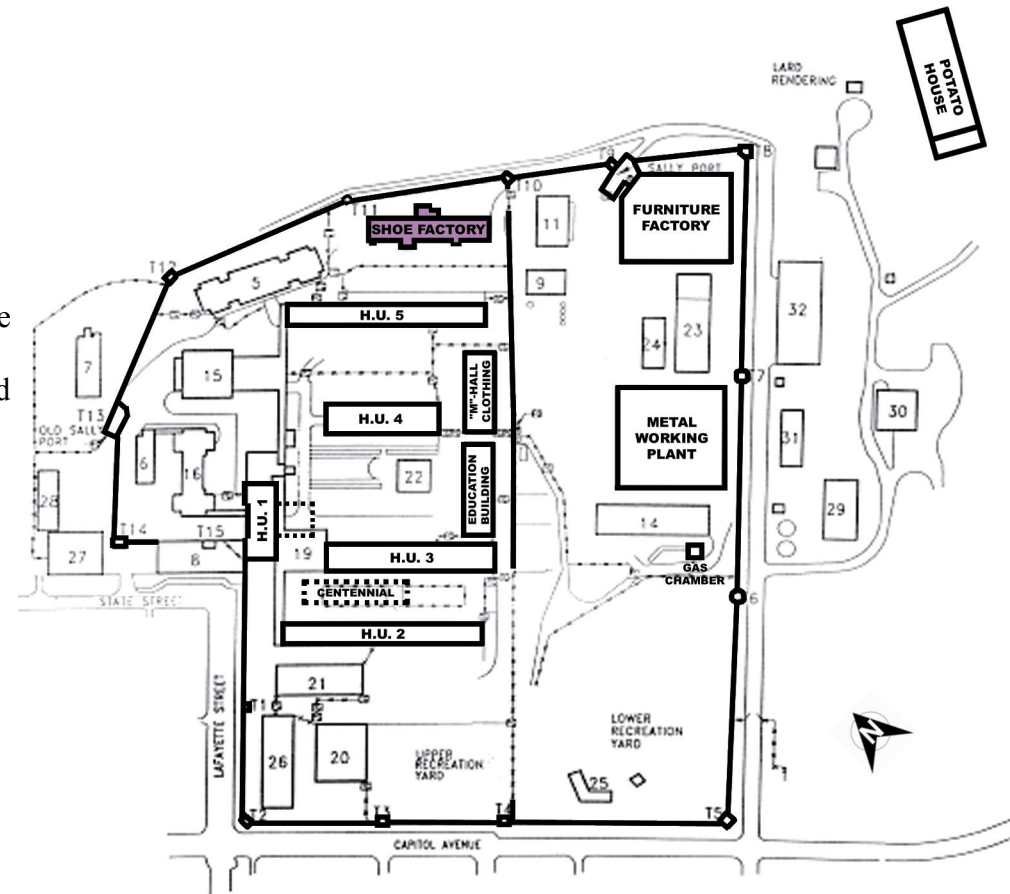
Existing Area per Floor Plates: **12,000 gross sq. ft.**

Existing Total Floor Area: **46,600 gross sq. ft.**

Floor to Floor Height: **12'-0"-16'-0"**

### Historic Information





1. The 2<sup>nd</sup> oldest building on the prison site
2. Somewhat cut-off from historic courtyard by H.U. 5, which was built during the WPA work.
3. Was one of the largest Saddletree manufacturer's in the world, owned by J.S. Sullivan Saddletree Factory
4. The only building on the site representing both 19<sup>th</sup> and 20<sup>th</sup> century prison inmate labor by lease, contract and state operated methods.

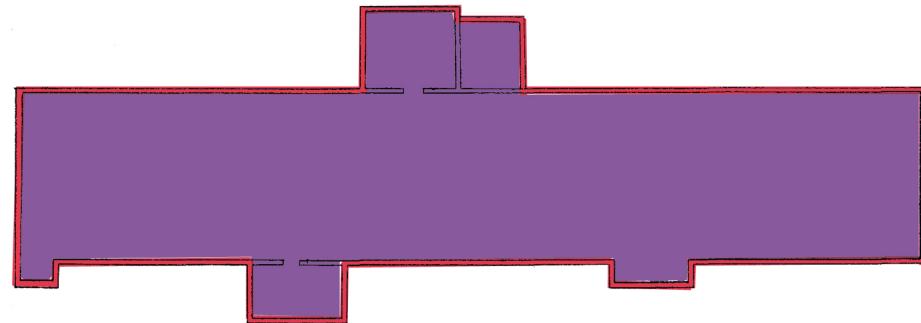


# Architecture

## Shoe Factory – Existing Information

### Preservation Zones

-  **Level 1 - Preservation Zone**  
The character & qualities of this zone should be maintained & preserved as the highest priority
-  **Level 2 - Preservation Zone**  
Every effort should be made to maintain and preserve the character and qualities of this zone
-  **Level 3 - Rehabilitation Zone**  
Undertake all work in this zone as sensitive as possible; However, contemporary methods, materials, & designs may be selectively incorporated
-  **Level 4 - Free Zone**  
Treatments in this zone, while sympathetic to the historic qualities & character of the building, may incorporate extensive changes or total replacement through the introduction of contemporary methods, materials & designs



Existing First Floor Plan



Northeast corner of building, H.U. 5 is in the background



View of interior structure

## Architecture

### Shoe Factory – Possible Use

#### General Information

Date of Construction: **pre-1881 although it burned in 2 major fires**

No. of Floors: **4**

Existing Area per Floor Plates: **12,000 gross sq. ft.**

Existing Total Floor Area: **46,600 gross sq. ft.**

Cell Floor to Floor Height: **12'-0"-16'-0"**

#### Redevelopment Issues

1. A significant amount of the original window openings have been bricked in over the years, these should be re-opened and restored.
2. Paint should be removed from the exterior brick surface.
3. The original window design should be replicated and installed.
4. Existing floor-to-floor height is ideal for redevelopment.

#### Potential Uses

1. Hotel / Convention Center

#### Other Successful Examples

1. The Westin Hotel, St. Louis

# Architecture

## Furniture Factory – Existing Information

### General Information

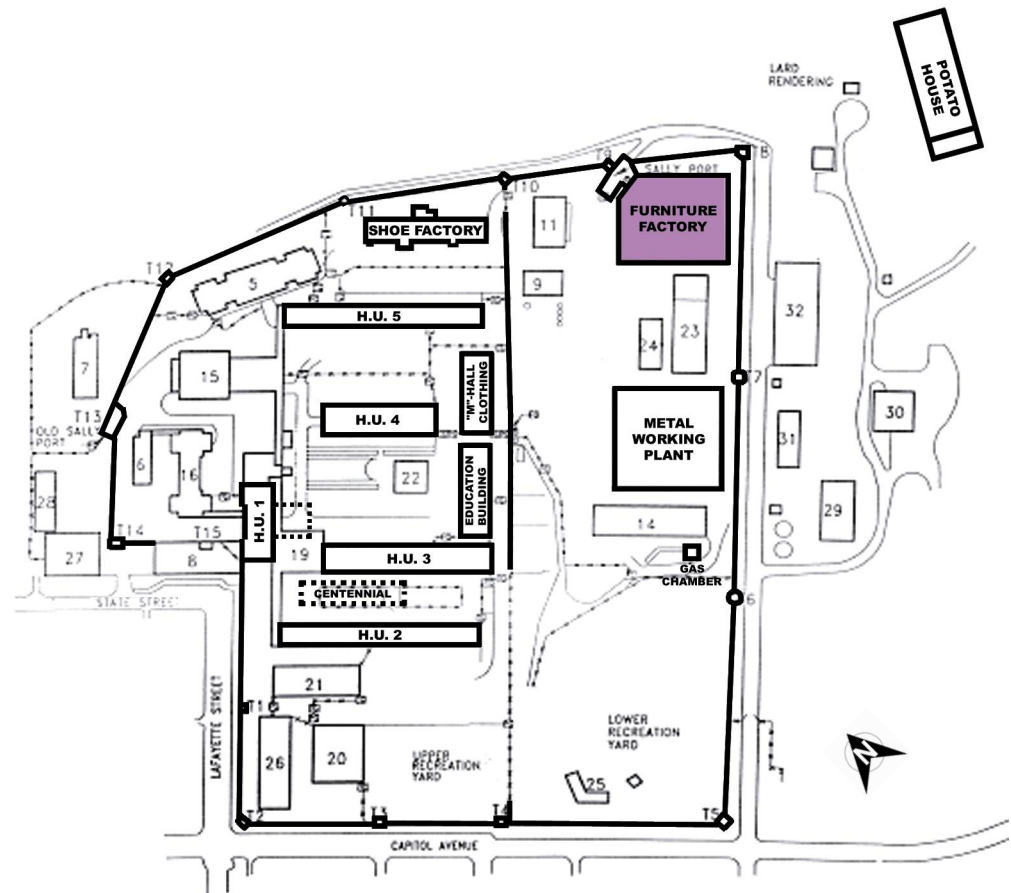
Date of Construction: **between 1925-1936**

No. of Floors: **1** No. of Full Floors: **1**

Existing Area: **35,200 gross sq. ft.**

### Historic Information

1. Represents history of 20<sup>th</sup> century prison labor.
2. Built at the same time as the Metal Working Plant, the two should remain as a pair.



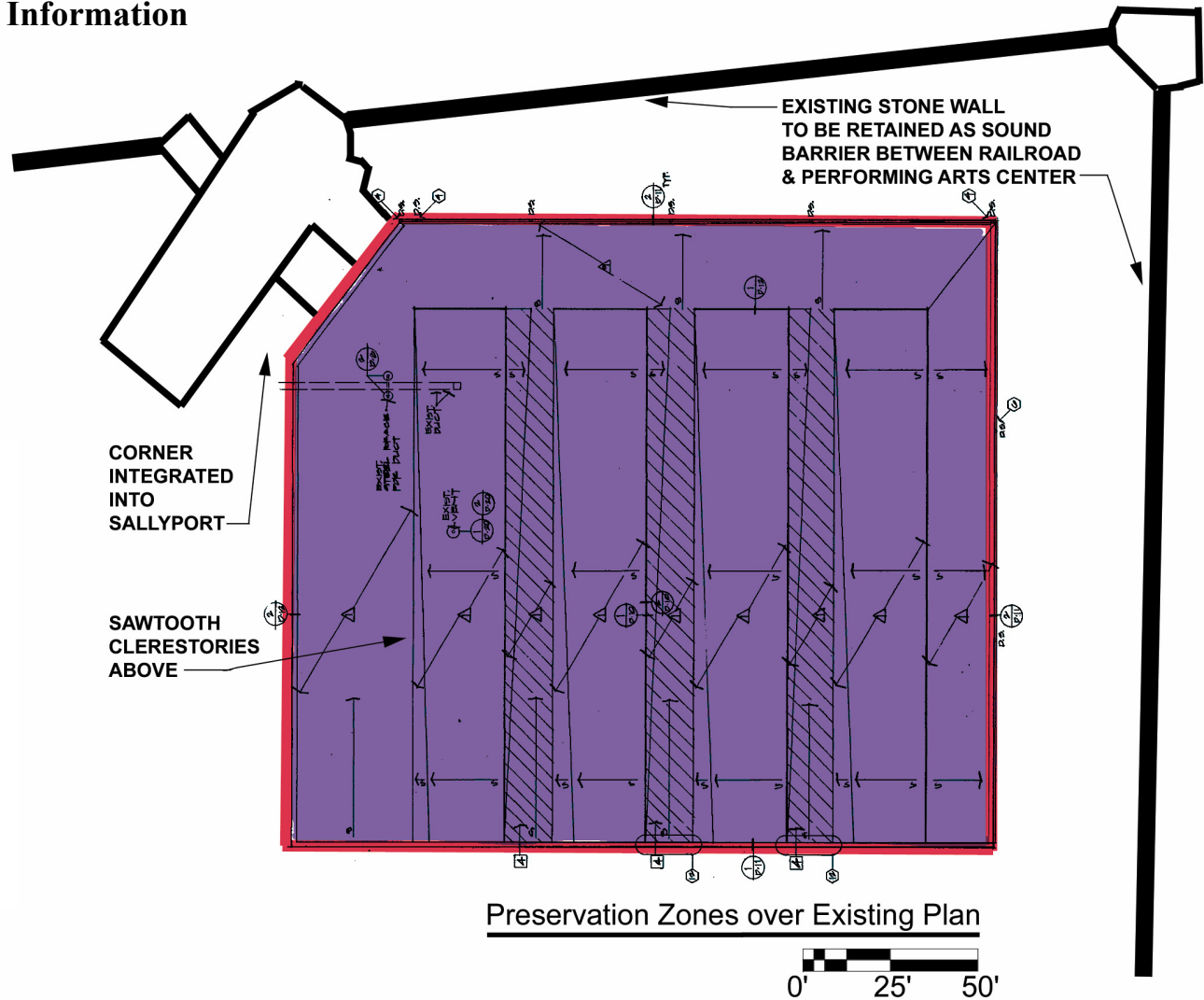


# Architecture

## Furniture Factory – Existing Information

### Preservation Zones

- Level 1 - Preservation Zone**  
 The character & qualities of this zone should be maintained & preserved as the highest priority
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 Every effort should be made to maintain and preserve the character and qualities of this zone
- Level 3 - Rehabilitation Zone**  
 Undertake all work in this zone as sensitive as possible; However, contemporary methods, materials, & designs may be selectively incorporated
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# Architecture

## Furniture Factory – Possible Use

### Redevelopment Issues

1. Adjacent to the existing rail line, the prison stone wall should remain around this building as a sound barrier.
2. Early graveyard may be located around and/or under this building.
3. The adjacent Sallyport is an integral part of this building and should remain.
4. The number of columns throughout the space could potentially be reduced with transfer beams.


### Potential Uses

1. Meeting Rooms for Hotel / Convention and Conference Center
2. Exhibit Hall
3. Performing Arts Center
4. Restaurant

### Possible Use Zones

- Primary Use**  
This area identifies the primary use for the building
- Secondary Use**  
This area identifies additional uses for the building beyond the primary use
- Circulation**  
This area identifies a zone for potential hallways, new required stairs, lobbies and elevator cores
- Possible Addition**  
This area identifies a zone for potential development attached to this historic building and suggestion as to how it could be done in a sensitive manner



Alternate Section  




Existing view of South elevation, I-Hall is in the foreground to the right

# Architecture

## Metal Working Plant – Existing Information

### General Information

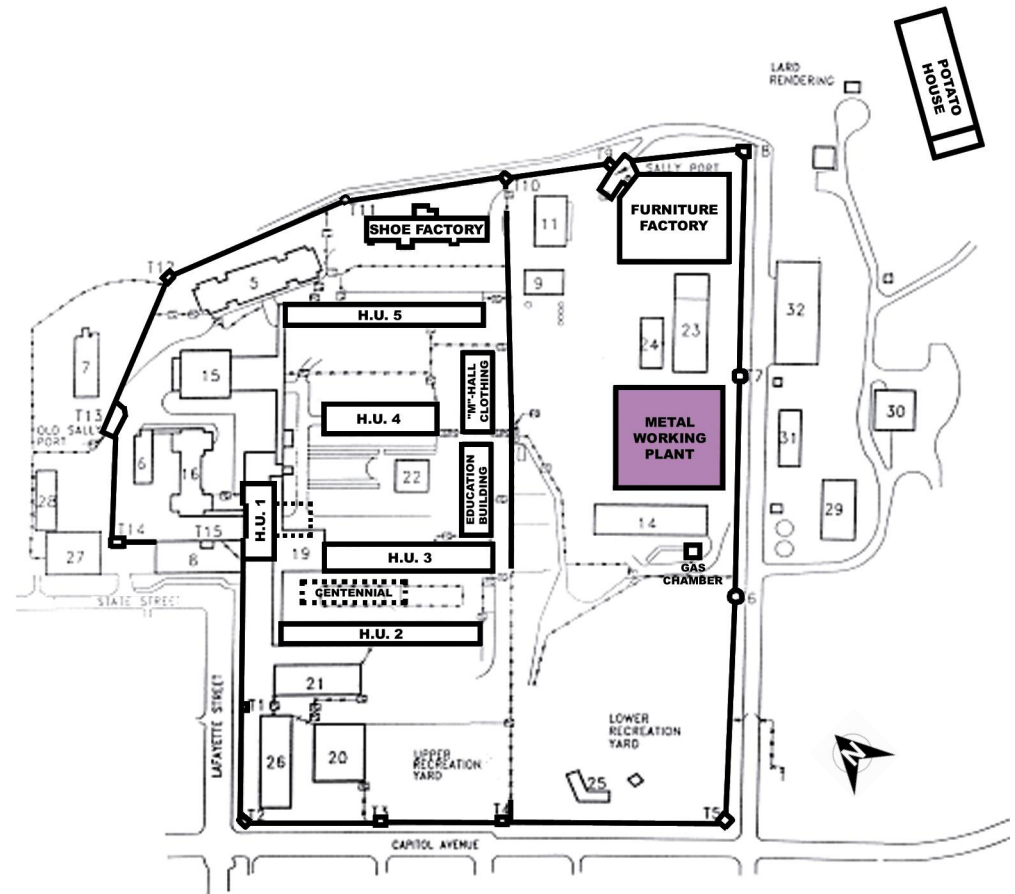
Date of Construction: **between 1925-1936**

No. of Floors: **1**

Proposed Total Floor Area: **40,000 sq. ft.**

### Historic Information

1. Represents history of 20<sup>th</sup> century prison labor.
2. Built at the same time as the Furniture Factory, the two should remain as a pair.



# Architecture

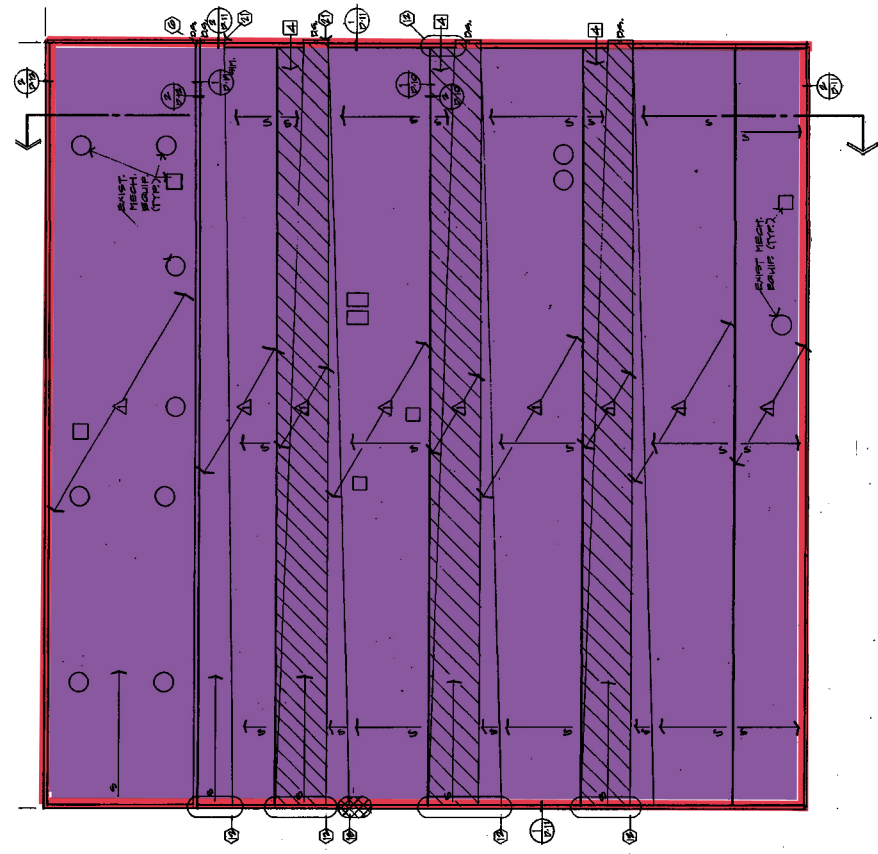
## Metal Working Plant – Existing Information



Existing Interior View

### Preservation Zones

- Level 1 - Preservation Zone**  
 The character & qualities of this zone should be maintained & preserved as the highest priority
- Level 2 - Preservation Zone**  
 Every effort should be made to maintain and preserve the character and qualities of this zone
- Level 3 - Rehabilitation Zone**  
 Undertake all work in this zone as sensitive as possible; However, contemporary methods, materials, & designs may be selectively incorporated
- Level 4 - Free Zone**  
 Treatments in this zone, while sympathetic to the historic qualities & character of the building, may incorporate extensive changes or total replacement through the introduction of contemporary methods, materials & designs



Existing First Floor Plan



# Architecture

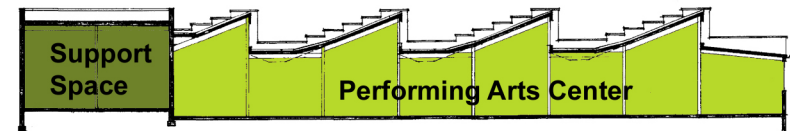
## Metal Working Plant – Possible Use

### Redevelopment Issues

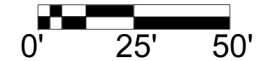
1. Skylights are a feature that should be incorporated into the re-use. This would require that the interior space remains a fairly open plan.
2. The number of columns throughout the space could potentially be reduced with transfer beams.

### Potential Uses





1. Performing Arts Center
2. Restaurant
3. Meeting Rooms for Hotel / Convention and Conference Center
4. Exhibit Hall



Alternate Section



### Possible Use Zones

- 
**Primary Use**  
 This area identifies the primary use for the building
- 
**Secondary Use**  
 This area identifies additional uses for the building beyond the primary use
- 
**Circulation**  
 This area identifies a zone for potential hallways, new required stairs, lobbies and elevator cores
- 
**Possible Addition**  
 This area identifies a zone for potential development attached to this historic building and suggestion as to how it could be done in a sensitive manner



Existing South Elevation, above grade steam pipes are in the foreground

## Architecture

### Centennial Cells – Existing Information

#### General Information

Date of Construction: **pre-1885 (exact date unknown)**

No. of Floors: **Underground Foundation Remains Only**

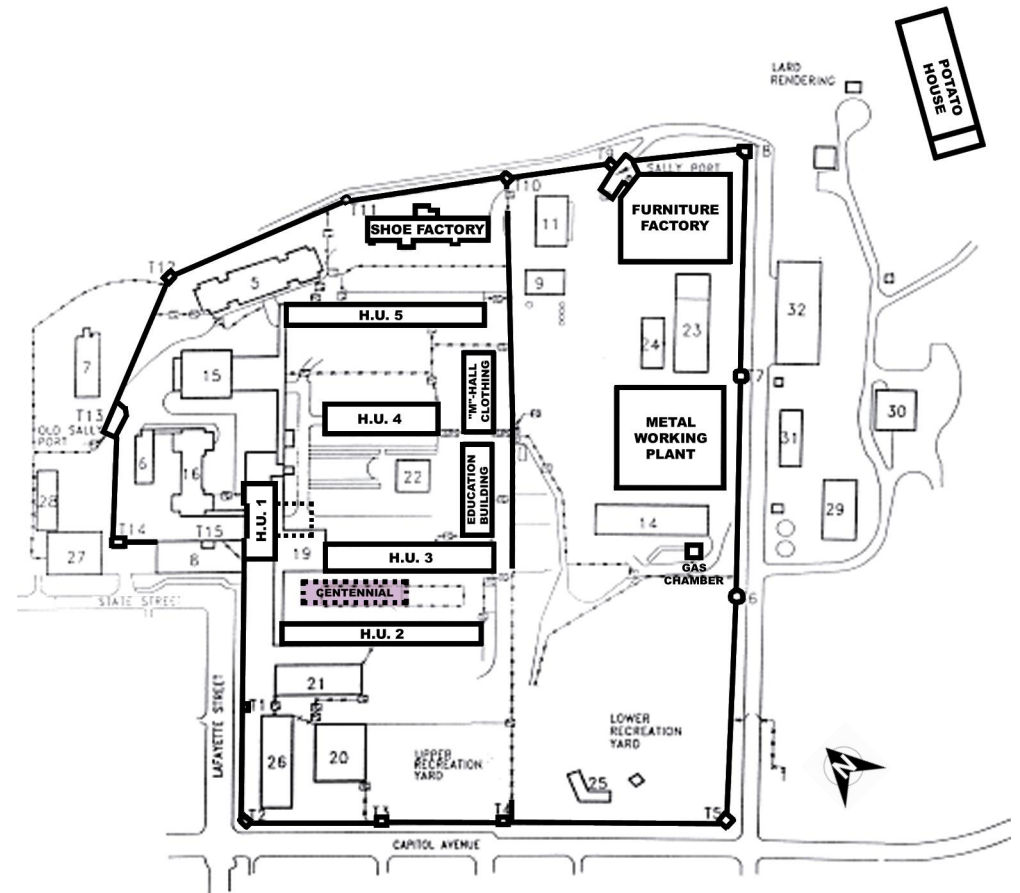
Existing Area: **7,200 gross sq. ft.**

#### Historic Issues

1. Archeological investigations may have to occur if foundation is disturbed for future development.
2. According to early Sanborn maps, it appears that the north wall of the Centennial Cells was incorporated into an earlier stone prison wall that ran east and west.



View of secure exercise yards above the Centennial Cells



## Architecture

### Centennial Cells – Possible Use

#### Redevelopment Issues

1. Difficult to preserve ruins for viewing without a new structure to serve as protection from weather and erosion.
2. If plans were to include preserving these foundation remains, should other remains be left undisturbed, some may be even older than this structure. Through available Sanborn maps we know exactly where many foundation remains may be. In fact, the “E” Hall foundation, which was built before 1898, is exposed in the yard north of Housing Unit #4.

#### Potential Uses

1. Leave site undisturbed underground, interpret through maps, drawings & other historical information.
2. Excavate and interpret as ruins.



Photograph by Mark Schreiber taken during archeological investigation

## Architecture

### Gas Chamber – Existing Information

#### General Information

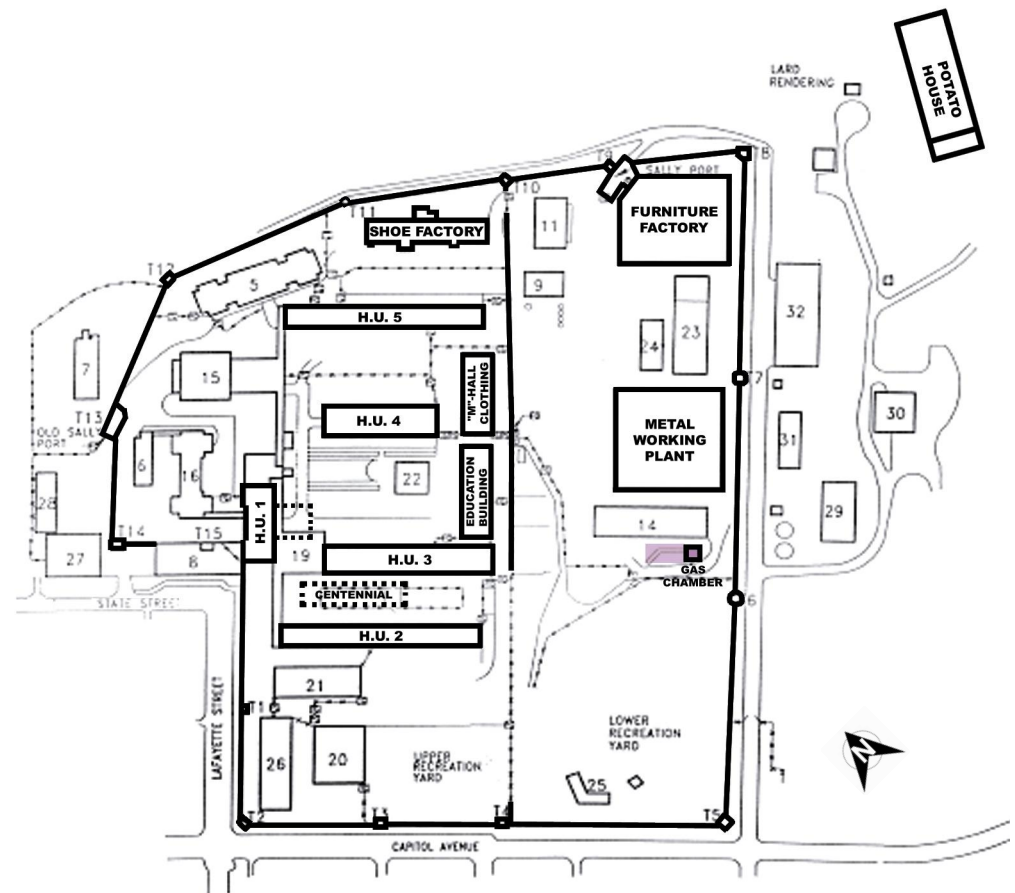
Date of Construction: **1937**

No. of Floors: **1** No. of Full Floors: **1**

Existing Area: **750 gross sq. ft.**

#### Historic Information

1. The context of this building is important. An arbor once existed just outside the entrance along the walk to the west. The walk has an inlaid cross.
2. 39 executions and 1 lethal injection occurred here.
3. Last used in 1989.
4. Built by inmate labor; the stone is from the prison-operated quarry.





# Architecture

## Gas Chamber – Existing Information



Existing interior view

### Preservation Zones

- Level 1 - Preservation Zone**  
The character & qualities of this zone should be maintained & preserved as the highest priority
- Level 2 - Preservation Zone**  
Every effort should be made to maintain and preserve the character and qualities of this zone
- Level 3 - Rehabilitation Zone**  
Undertake all work in this zone as sensitive as possible; However, contemporary methods, materials, & designs may be selectively incorporated
- Level 4 - Free Zone**  
Treatments in this zone, while sympathetic to the historic qualities & character of the building, may incorporate extensive changes or total replacement through the introduction of contemporary methods, materials & designs



Existing First Floor Plan



Existing view from Southwest

## Architecture

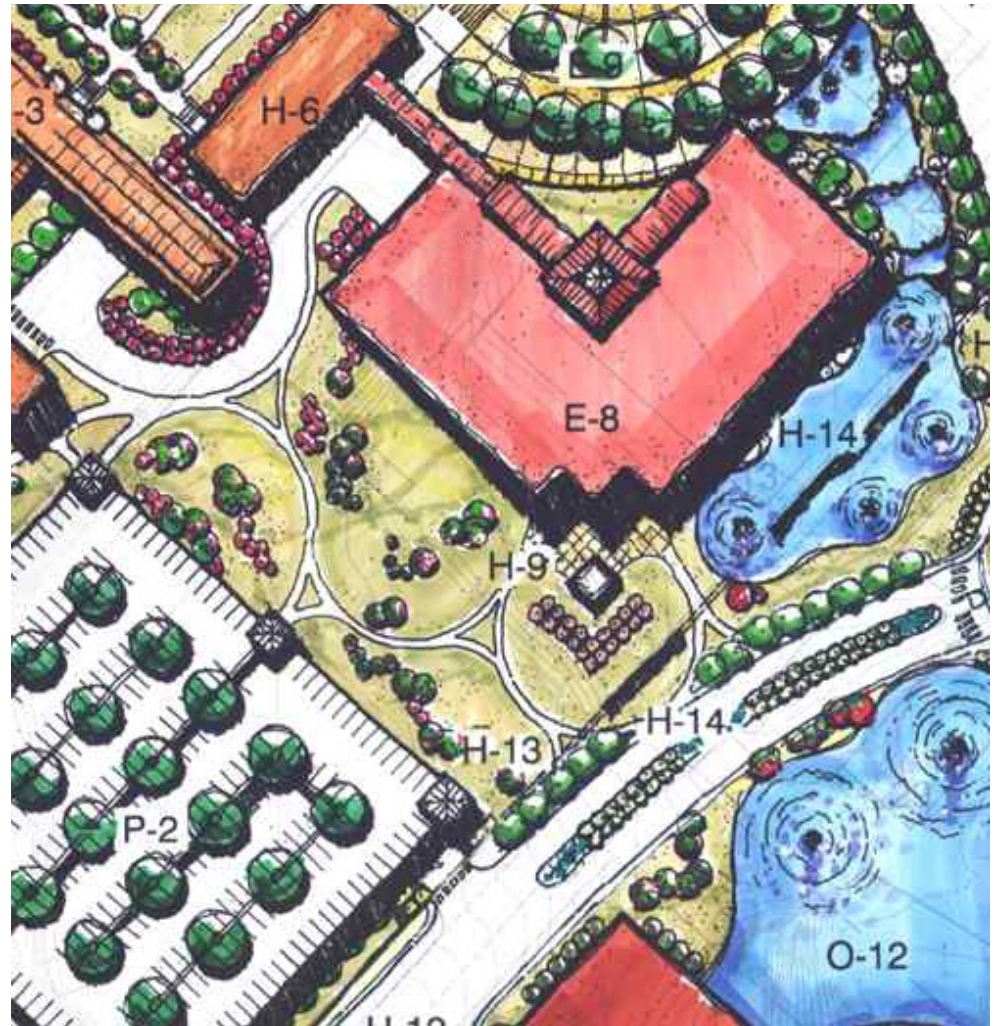
### Gas Chamber – Possible Use

#### Redevelopment Issues

1. Location may hinder new development; extra effort must be made to integrate with new construction around it.
2. The arbor and walk should be restored to retain historic setting.

#### Potential Uses

1. Prison Museum / Interpretive
2. Gas Chamber Museum H-9, an icon for future redevelopment



# Architecture

## Potato House – Existing Information

### General Information

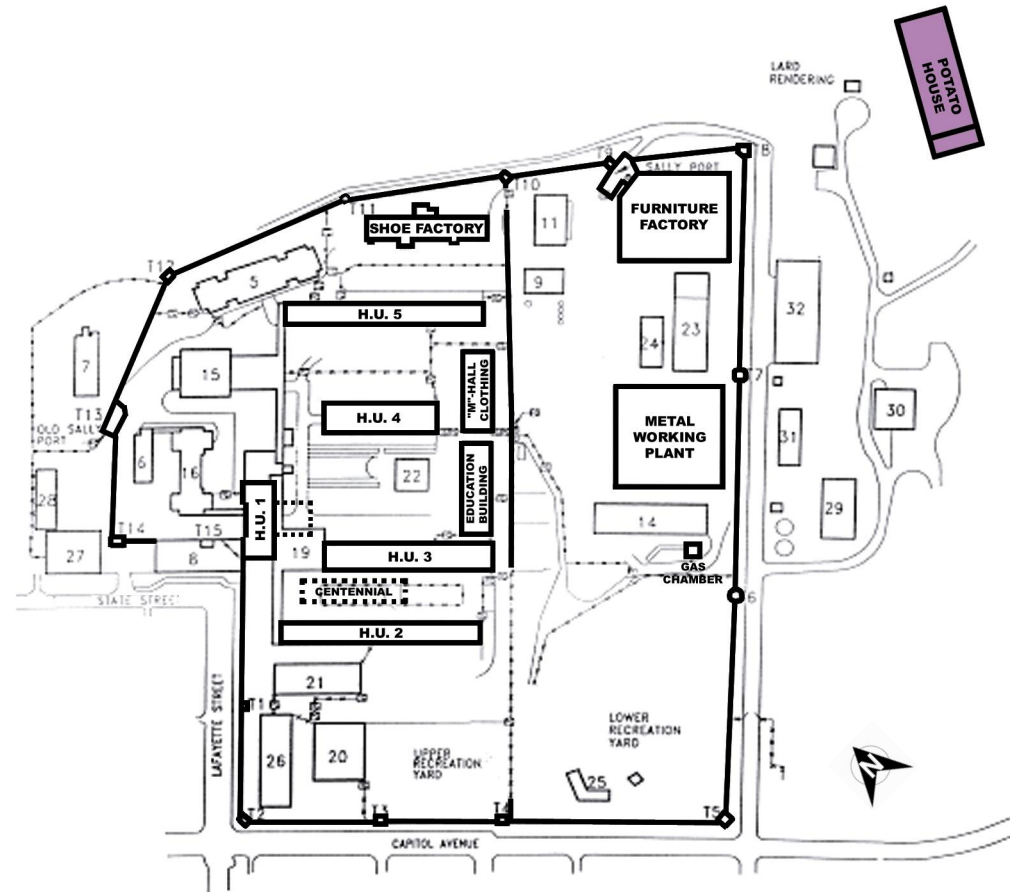
Date of Construction: **1935**

No. of Floors: **1** No. of Full Floors: **1**

Existing Area: **24,000 gross sq. ft.**

### Historic Information

1. Separated from the historic area by the roadway and stone walls.
2. The structure is buried under an earth berm. Some large trees have grown on top of the structure; the larger trees should be removed in order to maintain the building.



# Architecture

## Potato House – Existing Information

### Preservation Zones



#### Level 1 - Preservation Zone

The character & qualities of this zone should be maintained & preserved as the highest priority



#### Level 2 - Preservation Zone

Every effort should be made to maintain and preserve the character and qualities of this zone



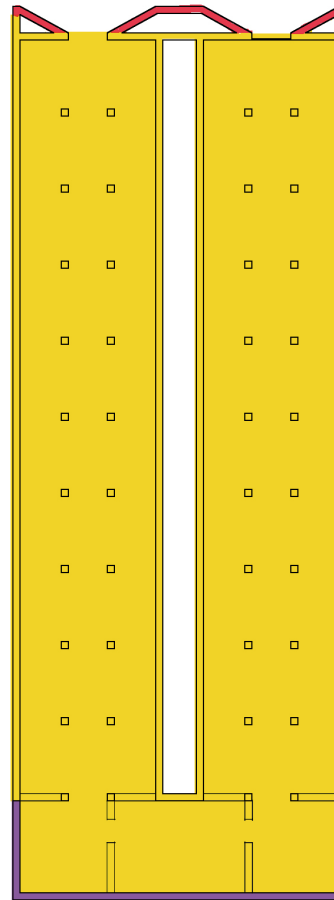
#### Level 3 - Rehabilitation Zone

Undertake all work in this zone as sensitive as possible; However, contemporary methods, materials, & designs may be selectively incorporated



#### Level 4 - Free Zone

Treatments in this zone, while sympathetic to the historic qualities & character of the building, may incorporate extensive changes or total replacement through the introduction of contemporary methods, materials & designs



Existing First Floor Plan



Existing view of interior



Existing view of North elevation

## Architecture

### Potato House – Possible Use

#### Redevelopment Issues

1. Waterproofing the roof will be expensive and require careful detailing.
2. There are no windows on the east or west elevations.

#### Potential Uses

1. Interpretive Center for Department of Natural Resources
2. Farmer's Market

## Architecture

### Education Building / Dining Hall & Clothing Factory – Existing Information

#### Education Building / Dining Hall General Information

Date of Construction: **1885**

No. of Floors: **2**

Existing Area per Full Floor Plates: **11,100 gross sq. ft.**

Existing Total Floor Area: **22,200 gross sq. ft.**

Original Uses: 1<sup>st</sup> floor: Lower Dining Hall & Kitchen

2<sup>nd</sup> floor: Larger Dining Hall

3<sup>rd</sup> floor: Chapel, Library

Basement: ice plant, cold storage & vegetable cellar

#### Clothing Factory General Information

Date of Construction: **pre-1885**

No. of Floors: **2**

Existing Area per Full Floor Plates: **9,600 gross sq. ft.**

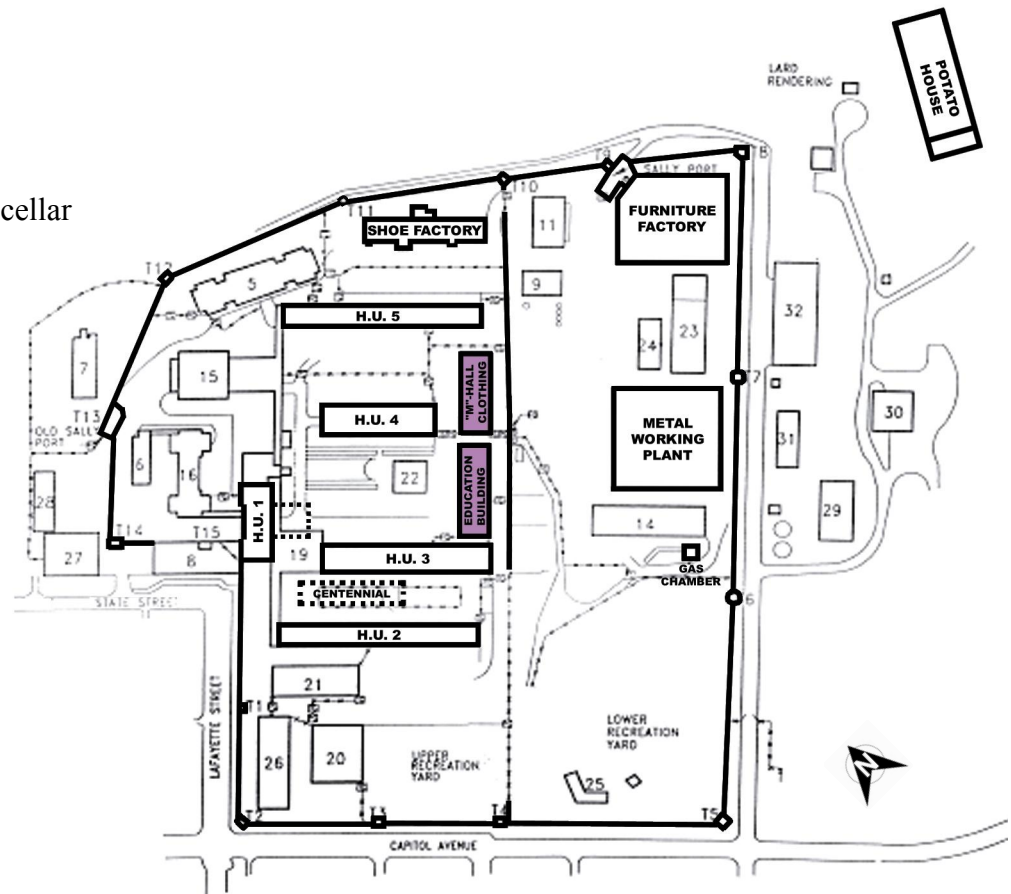
Existing Total Floor Area: **19,200 gross sq. ft.**

#### Education Building / Dining Hall Historic Information

1. Upper floors were destroyed during the 1954 riot.
2. Originally enclosed courtyard.

#### Clothing Factory Historic Information

1. Upper floors were destroyed during the 1954 riot.
2. Older than the Dining Hall but original construction date unknown.



## Architecture

### Education Building / Dining Hall & Clothing Factory – Possible Use

#### Dining Hall General Information

Date of Construction: **1885**

No. of Floors: **4**

Proposed Area per Full Floor Plates: **11,100 gross sq. ft.**

Proposed Total Floor Area: **44,400 gross sq. ft.**

#### Dining Hall Redevelopment Issues

1. Modern top floor addition should be removed.
2. More photographs or drawings need to be located.

#### Dining Hall Potential Uses

1. Offices

#### Clothing Factory General Information

Date of Construction: **pre-1885**

No. of Floors: **3**

Proposed Area per Full Floor Plates: **9,600 gross sq. ft.**

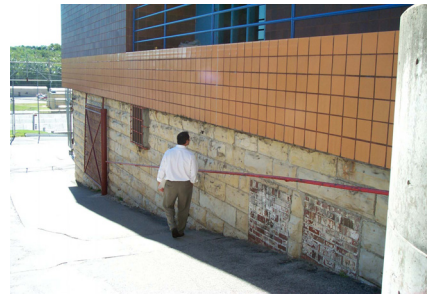
Proposed Total Floor Area: **28,800 gross sq. ft.**

#### Clothing Factory Redevelopment Issues

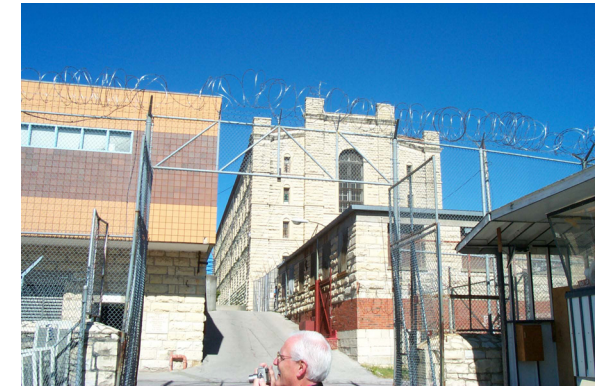
1. Since the original upper floors were destroyed during the 1954 riot a new modern roof and/or potentially glass clerestory could be constructed according to needs of the new use.

#### Clothing Factory Potential Uses

1. Meeting Hall for Convention Center



View of the north elevation of the Education Building / Dining Hall



Current photograph looking west with H.U. 4 in the background. The Dining Hall is to the left and the Clothing Factory (currently Maintenance), to the right.



Early photograph / rendering of stone Dining Hall with brick Clothing Factory to the north.

# Architecture

## Stone Walls – Existing Information

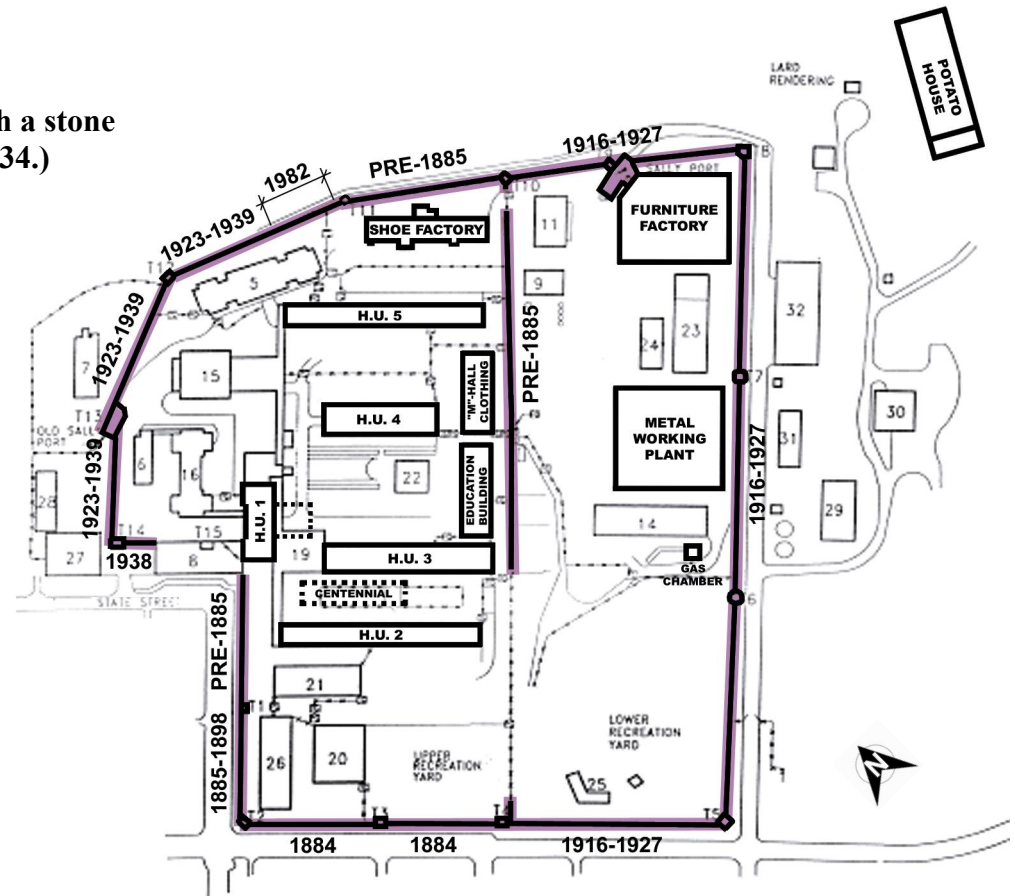
### General Information

Date of Construction: **Pre-1885 to 1980's**

**(The earliest date is unknown at this time, although a stone wall was contracted for construction as early as 1834.)**

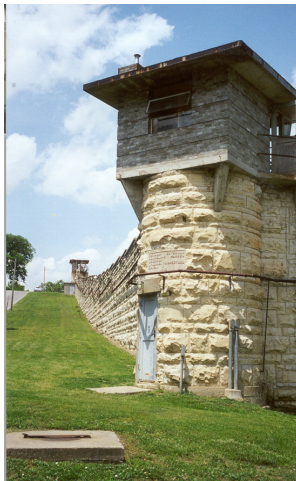
### Historic Issues

1. The stone walls have been modified over time as the prison was enlarged and security improved. A more extensive evaluation should be done to determine what periods certain sections of the walls were built.
2. Some stones have early markings by prisoners, quarrying and earlier uses.



**REMAINING WALLS**

**\* DATES SHOWN ARE APPROXIMATE DATE OF CONSTRUCTION. FURTHER RESEARCH & ON-SITE INVESTIGATION SHOULD BE DONE IN ORDER TO ENSURE THAT THE EARLIER SECTIONS OF THE WALL ARE IDENTIFIED**



Existing view of typical guard tower.



Existing view of Northern end of pre-1885 wall @ Shoe Factory



# Architecture

## Stone Walls – Possible Use

### Redevelopment Issues

1. New openings will be required through the walls for vehicular and pedestrian access.
2. Some guard towers should be restored to their original appearance through photographic documentation.
3. Corners should be retained in order to preserve the boundaries of the enclosed prison site for interpretative purposes.
4. Care must be taken to retain the walls as a key historic feature to the site.
5. Any new openings should be clearly defined as different from restored openings with careful and consistent detailing.

### Potential Uses

1. Interpretation of the prison site boundaries.
2. Existing sound barrier against rail line to the north.
3. Defines the historic zone.
4. Tourist destination feature as observation points from guard stations. It would be interesting a guard station as a modern example and restore others to an earlier period. Many people would be curious as to what it would be like to have monitored the site for long shifts as they do now. Also, access into the northern guard stations could offer tremendous views up and down the Missouri River.

