

Dane County Jail

Alternative Design Options Report

April 2019



Report prepared by



In association with



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Executive Summary

In May 2018, the consulting team of Mead & Hunt, Potter Lawson and HDR (Architect/Engineer) were selected to perform professional design services for the Dane County Jail Consolidation Project. Through the discovery and analysis process of the pre-design phase, the A/E found that the existing Public Safety Building (PSB) could not accept additional floors as previously anticipated. Therefore, the County determined the next best option would be to build a multi-story tower adjacent to the PSB.

By Change Order #1 to the contract, the A/E provided a detailed analysis, presentations and opinion of probable project cost for the South Tower Addition Option, completed in December 2018. The A/E estimated the total project cost (construction plus soft costs) to be \$139M. The Construction Manager, Gilbane (CM), hired by the county afforded an opportunity to obtain a peer estimate. The CM's estimate came to \$148M for the total project cost.

The Dane County Board approved 2018 Resolution-530 (Change Order #2), which directed the A/E to provide a comparative analysis of three (3) alternative design options. This report provides details of the South Tower Addition Option, as well as the three alternative design options. The options detailed in Res-530 were:

- 1) CCB & PSB Renovations & Greenfield Site Option
 - a. Full Renovation of the 6th and 7th floors of the City County Building (CCB) for housing Maximum and Medium Level inmates.
 - b. Partial Renovation of the Public Safety Building (PSB) to house medical and mental health inmates and services.
 - c. This option will structurally investigate if any additional floors/space can be added to the top of the existing PSB.
 - d. Create a new facility on a greenfield site owned or purchased by the County for housing Huber Work Release Minimum Security Level Inmates. Vacate Ferris Huber Center (FHC).
 - e. The cost estimate will include the costs to rehouse inmates during construction at a jail outside of the County. This cost will be provided by the County.
 - f. Identify the classification and number of beds for the jail system.
- 2) PSB Renovation & Greenfield Site Option
 - a. Partial Renovation of the Public Safety Building (PSB) to house Huber Work Release Minimum Security Level Inmates. Vacate FHC.
 - b. Create a new facility on a greenfield site owned or purchased by the County for housing Maximum and Medium Level inmates including medical and mental health housing and services. Vacate 6th and 7th floors of the City County Building (CCB).
 - c. Identify the classification and number of beds for the jail system.
- 3) All Greenfield Site Option
 - a. Build a single consolidated jail (minimum, medium, maximum, medical and mental health and Huber Work Release Housing) on a county owned or purchased greenfield site. Repurpose or sell the PSB, vacate 6th and 7th floors of the CCB and vacate the FHC.
 - b. Analyze adding a new sally port at the existing Courthouse.
 - c. Estimated value from sale of PSB to be provided by the County for this design study.

- d. Estimated cost for transportation of inmates to and from Courthouse to be provided by the County / DCSO.
- e. Identify the classification and number of beds for the jail system.

Each of these options, including the South Tower Addition, were developed to follow and conform to the original study that was provided in the 2016 Program. The Program Objectives were:

- As much as possible, provide one consolidated jail facility.
- Replace the outdated cell blocks in the City County Building to improve inmate and staff security.
- Provide appropriate medical and mental health housing and program spaces.
- Eliminate or greatly reduce solitary confinement.
- Provide non-contact visitation at the housing units.
- Provide multipurpose space to meet the spiritual needs of the inmates.
- Replace the FHC.
- Provide a downtown location close, or adjacent to, the courthouse and bus transportation.
- Reduce total number of beds.
- Improve staffing and operational costs.
- Minimize impact to existing operation during construction.

The full detailed analysis of each option is provided within the study document. A side by side comparison of the options are shown here for comparative purposes. In addition to the raw project costs as shown for each option, there are several complex factors that dictate the total cost of the project. Construction and soft costs make up project cost. Other costs and factors that must be considered are: length of design and construction, staffing costs, out of country housing, relocation of city and county employees during remodeling, and demolition costs among others.

The greenfield building in this study is assumed to be on County owned or purchased property. The design options developed are not specific to a site. A site selection process has been indented in the proposed timeline for each option. No costs for land purchase or site preparation are included in the project costs.

The full report provides all the details summarized in the table on the following page. The facts and figures reflect the analysis completed in April 2019, providing a current snapshot of conditions at this time.

When one of these options is selected by the County to proceed into design, through the planning and programming of that option, the associated Opinion of Probable Project Costs will be updated at milestone intervals.

Alternate Design Options Comparison

	South Tower Addition Option	CCB & PSB Renovation & Greenfield Site Option	PSB Renovation & Greenfield Site Option	All Greenfield Site Option
Total Number of Beds	922	922	922	922
Total Facility Estimated Area	401,700 SF	417,300 SF	459,500 SF	445,500 SF
Estimated Project Cost	\$148M	\$161.1M	\$164.5M	\$220.4M
Estimated Staffing Cost	\$35.7M/YR 317.7 FTE	\$45.9M/YR 404.6 FTE	\$41.4M/YR 377.7 FTE	\$34.1M/YR 303.3 FTE
Project Completion	2Q 2024	1Q 2027	2Q 2024	3Q 2023
Out of County Housing Cost	No	Yes	No	No
Relocation of City Employees	No	Yes (5 th floor CCB)	No	No
Relocation of County Employees	Yes (2 nd floor PSB)	Yes (2 nd floor PSB) Yes (5 th floor CCB)	Yes (2 nd floor PSB)	No

SOUTH TOWER ADDITION OPTION

- Consolidates three jails (PSB, CCB, Ferris) into one location
- Eliminates impact on CCB operations during construction
- Medical and mental health on one floor with better access to daylight
- Vacate 6th and 7th Floors of the CCB and the Ferris Center

CITY COUNTY BUILDING



VACATE

Area: 81,000 SF

PUBLIC SAFETY BUILDING



RENOVATE

Area: 59,200 SF

HUBER/FERRIS CENTER



VACATE

Area: 29,200 SF

SOUTH TOWER ADDITION



BUILD

Area: 198,600 SF

ESTIMATED PROJECT COST: \$148M

ESTIMATED COMPLETION: 2Q 2024

CCB & PSB RENOVATIONS & GREENFIELD SITE OPTION

- Full renovation of the 6th and 7th floors of the CCB for housing maximum and medium level inmates
- Partial renovation of the PSB to house medical and mental health inmates and services
- Create a new facility at a greenfield site for housing Huber Work Release inmates plus min/ med inmates
- Vacate Ferris Center

CITY COUNTY BUILDING



RENOVATE

Area: 81,000 SF

PUBLIC SAFETY BUILDING



RENOVATE

Area: 89,600 SF

HUBER/FERRIS CENTER



VACATE

Area: 29,200 SF

NEW HUBER CENTER



BUILD

Area: 133,200 SF

ESTIMATED PROJECT COST: \$ 161.1M

ESTIMATED COMPLETION: 1 Q 2027

PSB RENOVATION & GREENFIELD SITE OPTION

- Partial renovation of the PSB to house Huber Work Release inmates
- Create a new facility on a greenfield site for housing maximum and medium level inmates, including medical and mental health housing and services
- Vacate 6th and 7th floors of the CCB and Ferris Center

CITY COUNTY BUILDING



VACATE

Area: 81,000 SF

PUBLIC SAFETY BUILDING



RENOVATE

Area: 62,500 SF

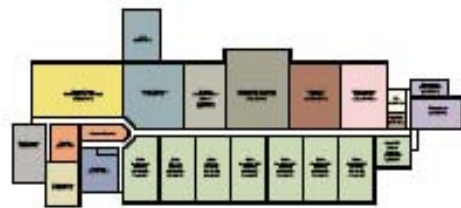
HUBER/FERRIS CENTER



VACATE

Area: 29,200 SF

GREENFIELD SITE



BUILD

Area: 256,400 SF

ESTIMATED PROJECT COST: \$164.5M

ESTIMATED COMPLETION: 2Q 2024

ALL GREENFIELD SITE OPTION

- Single consolidated jail (minimum, medium, maximum, medical and mental health, Huber Work Release, and IA court on a greenfield site)
- Repurpose or sell the PSB, vacate the 6th and 7th floors of the CCB and vacate the Ferris Center
- Add a new sallyport at the existing courthouse

CITY COUNTY BUILDING



VACATE

Area: 81,000 SF

PUBLIC SAFETY BUILDING



REPURPOSE/SELL

Area: 203,100 SF

HUBER/FERRIS CENTER



VACATE

Area: 29,200 SF

GREENFIELD SITE



BUILD

Area: 445,500 SF

ESTIMATED PROJECT COST: \$220.4M

ESTIMATED COMPLETION: 3Q 2023

Estimated Staffing Plans and Costs

Preliminary Staffing Estimates Summary by Job Class/Rank				
	South Tower Addition	CCB & PSB Reno & Greenfield Site	PSB Reno & Greenfield Site	All Greenfield Site
Captain	1	1	1	1
Lieutenants M-F	4	5	4	4
Sergeants M-F	5	5	6	5
Sergeants Rotating	17.7	30.9	19.9	13.3
Deputies M-F	5	5	5	5
Deputies Rotating	211.5	269.8	237.1	201.6
Jail Clerks	14.5	14.5	21.6	14.5
Security Support Spec. M-F	1	1	1.00	1
Security Support Spec. rotating	36.4	51.4	57.6	36.4
Civilian	21.5	21.0	24.5	21.5
TOTAL FTE	317.7	404.6	377.7	303.3
Estimated Annual Staffing Costs*	\$35,689,800	\$45,895,900	\$41,364,900	\$34,049,800

**2018 salaries + fringe*

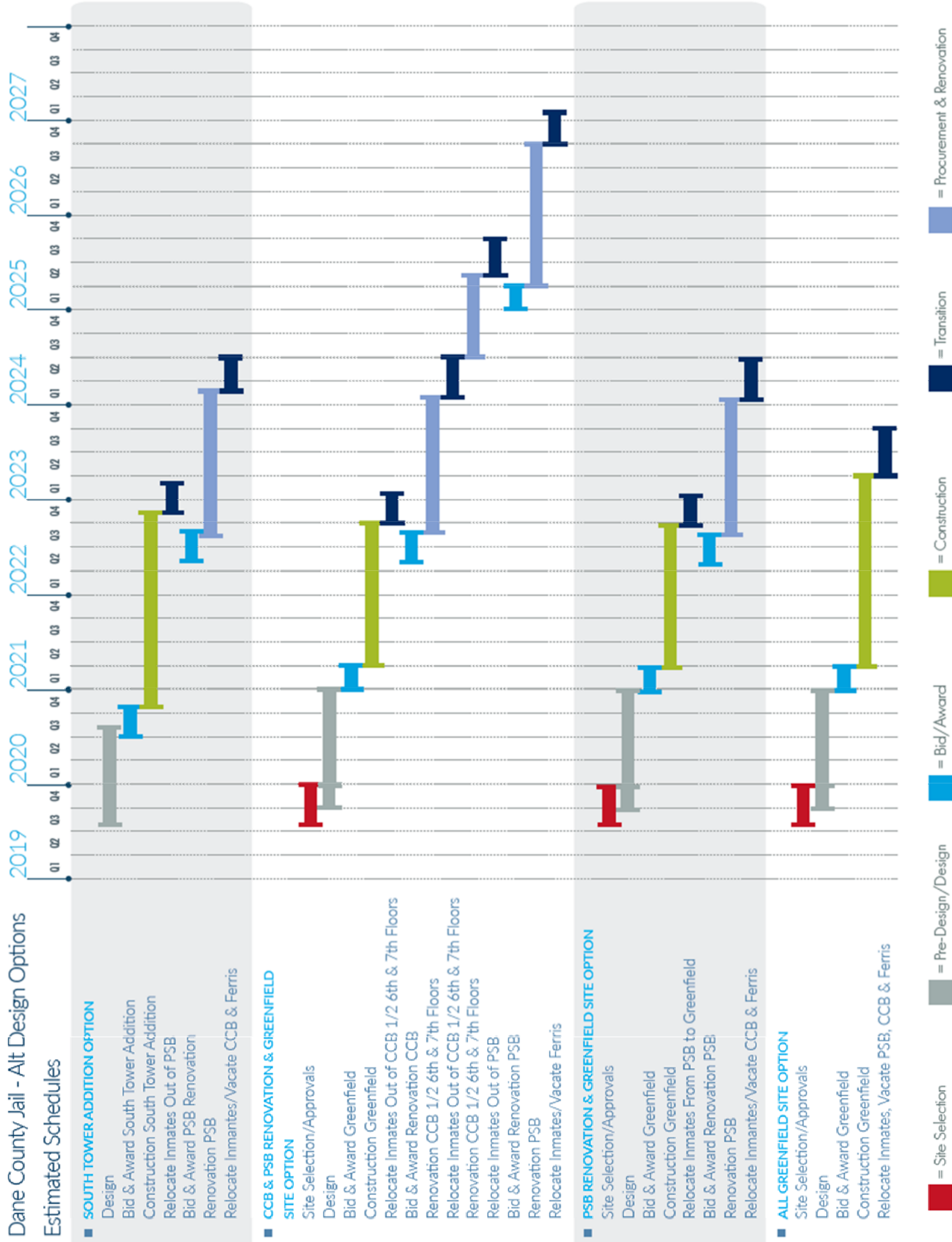
Estimated Schedule

The following high-level schedule compares the estimated schedule durations for the South Tower Addition Options and the three alternative design options that were part of this study.

Highlights of the approach used for this study include:

- Each of the estimated schedules is based on a Design-Bid-Build Project Delivery method in keeping with how the County normally builds projects. Other project delivery methods could be considered to shorten the overall project timeline.
- For equal comparisons each of the four timelines shown include a 12-month Design Phase. Some of the options with multiple renovations may need additional design time just ahead of each of the Bid and Award phases.
- Each of the options include a 3-month Bid and Award phase.
- Each of the three alternative design options show a 5-month site selection with an overlap of a 3-month pre-design phase to develop and plan a new site. If any of the Greenfield facilities were built on existing County property this phase might be reduced.
- The South Tower Addition Option includes a 24-month Construction phase for the South Tower and an 18-month procurement and renovation construction phase of the existing PSB. A 6-month procurement phase is overlapped with the completion of the South Tower Addition Construction and the DCSO Transition (Move) phase. This overlap would allow the General Contractor/Construction Manager to start the submittal process and purchase/store materials just ahead of the estimated 12-month renovation construction phase. This overlap (time saving) approach is also used in the next two options that include renovation construction work.
- During this study, it was determined that there are no out of County Jail Facilities to house maximum security level inmates during construction; therefore, the phasing of the CCB Renovation project was broken into two phases to be able to provide enough space to house inmates during construction. This increases the overall duration of the CCB & PSB Renovations & Greenfield Option to seven and half years and a 2027 completion date is very undesirable.
- The All Greenfield Option is the shortest overall duration at just over four years, and this could be reduced further if early site and long lead construction packages were implemented.

Dane County Jail - Alt Design Options Estimated Schedules



Cost Estimates for Alternative Design Options

A. Cost for each Alternative Option

1. See Appendix 6 for Detailed Conceptual Cost Estimates
2. Project Cost Estimate Summary Table

Costs	South Tower Addition	CCB & PSB Renovation & Greenfield Site	PSB Renovation & Greenfield Site	All Greenfield Site
Estimated Project Cost	\$148M	\$161.1M	\$164.5M	\$220.4M
*Allowance to Replace Inmate Property Storage System in Basement/1 st Floor PSB	\$250K	\$250K	\$250K	N/A
*New Sallyport at Courthouse	N/A	N/A	N/A	\$1.65M

** Included in Project Cost Above*

Additional Costs (Not Included Above)

Additional/Future Costs	South Tower Addition	CCB & PSB Renovation & Greenfield Site	PSB Renovation & Greenfield Site	All Greenfield Site
Demolition of Ferris Center	\$740K	\$740K	\$740K	\$740K
Land Purchase	N/A	\$TBD	\$TBD	\$TBD
CCB Decommissioning (6 th & 7 th Floors)	\$TBD	N/A	\$TBD	\$TBD
Sale of PSB; Appraisal to Determine Value	N/A	N/A	N/A	\$TBD
PSB Decommissioning	N/A	N/A	N/A	\$TBD
PSB Repurposing	N/A	N/A	N/A	\$TBD

Relocation Costs During Construction (Not Included Above)

Renovation Options (All Temporary)	South Tower Addition	CCB & PSB Renovation & Greenfield Site	PSB Renovation & Greenfield Site	All Greenfield Site
Relocate CCB 5 th Floor Office Staff	N/A	Move out/back: \$97K Rental: \$500K/yr	N/A	N/A
Relocate CCB 5 th Floor Public Health Laboratory	N/A	Move out/back: \$47K Rental: \$85K/yr	N/A	N/A
Relocate CCB 5 th Floor Technology Systems Data Room	N/A	Move out/back: \$20K Rental: \$45K/yr	N/A	N/A
Relocate PSB 2 nd Floor Office Staff	Move out/back: \$103K Rental: \$531K/yr	Move out/back: \$103K Rental: \$531K/yr	Move out/back: \$103K Rental: \$531K/yr	N/A

Conceptual Estimate

COST SUMMARY – SOUTH TOWER ADDITION OPTION	GFA SF	BUILDING TOTAL
South Tower Addition & Associated Sitework	198,550	\$95,405,719
PSB Renovation & Associated Sitework	59,199	\$20,234,979
TOTAL ESTIMATED CONSTRUCTION COSTS	257,749	\$115,640,698
Owner Contingency	10.0%	\$11,564,070
Soft Costs	18.0%	\$20,815,326
TOTAL ESTIMATED PROJECT COSTS	257,749	\$148,020,093
South Tower Addition & PSB Renovation Option Schedule New Construction: November 2020 to November 2022 (24 Months) PSB Renovation: September 2022 to March 2024 (18 Months)		

COST SUMMARY - CCB & PSB RENOVATIONS & GREENFIELD SITE	GFA SF	BUILDING TOTAL
Greenfield Site & Associated Sitework	133,230	\$57,556,285
CCB Renovation & Associated Sitework	80,990	\$33,629,788
PSB Renovation & Associated Sitework	89,552	\$37,332,646
TOTAL ESTIMATED CONSTRUCTION COSTS	303,772	\$128,518,719
Owner Contingency	10.0%	\$12,851,872
Soft Costs	18.0%	\$23,133,369
TOTAL ESTIMATED PROJECT COSTS	303,772	\$164,503,961
CCB & PSB Renovation & Greenfield Site Option Schedule New Construction: April 2021 to October 2022 (18 Months) CCB Renovation Phase 1: August 2022 to February 2024 (18 Months) CCB Renovation Phase 2: June 2024 to June 2025 (12 Months) PSB Renovation: April 2025 to October 2026 (18 Months)		

Conceptual Estimate (cont.)

COST SUMMARY - PSB RENOVATIONS & GREENFIELD SITE	GFA SF	BUILDING TOTAL
Greenfield Site & Associated Sitework	256,390	\$99,542,049
PSB Renovation & Associated Sitework	62,492	\$26,301,796
TOTAL ESTIMATED CONSTRUCTION COSTS	318,882	\$125,843,844
Owner Contingency	10.0%	\$12,584,384
Soft Costs	18.0%	\$22,651,892
TOTAL ESTIMATED PROJECT COSTS	318,882	\$161,080,121
PSB Renovation & Greenfield Site Option Schedule New Construction: April 2021 to October 2022 (18 Months) PSB Renovation: August 2022 to February 2024 (18 Months)		

COST SUMMARY - ALL GREENFIELD SITE & COURTHOUSE SALLY PORT	GFA SF	BUILDING TOTAL
Greenfield Site & Associated Sitework	416,810	\$165,362,787
Courthouse Sally Port & Associated Sitework	4,000	\$1,648,985
Enclosed Vehicle Storage	24,710	\$5,182,945
TOTAL ESTIMATED CONSTRUCTION COSTS	445,520	\$172,194,717
Owner Contingency	10.0%	\$17,219,472
Soft Costs	18.0%	\$30,995,049
TOTAL ESTIMATED PROJECT COSTS	445,520	\$220,409,238
Greenfield Site Option Schedule New Construction: April 2021 to April 2023 (24 Months)		

Rehousing Inmates During Construction

1. A survey of 33 Wisconsin jail administrators found there are no available medium/maximum security jail beds available in Wisconsin for relocation of City-County Building inmates. Eight Wisconsin counties are shipping inmates to other counties due to a lack of bed space.
2. Probable cost range
 - a. Basis: The State of Wisconsin reimburses counties for persons placed in the jails for probation or parole violations. Per state statute, the rate is set at \$40.00 per day – a rate that has been in place for many years. However, the State only reimburses counties based on a proration of the funds put in for that purpose...the budget has been insufficient for the past several years. Since 2004, the rates received have dropped from \$40.00 per day to \$28.08 in 2009. There is also a program in which the State reimburses counties for Extended Supervision for Short Term Sanctions (ES Sanctions) at a rate of \$51.46 per day, but not all counties participate in the program. (source: www.naco.org)
 - b. To ship 100 inmates out of county for 2 years: range \$4,355,200 (\$40/day) to \$5,815,200 (\$60/day).
 - c. To ship 200 inmates out of county for 2 years: range \$8,710,400 (\$40/day) to \$11,630,400 (\$60/day).
 - d. To ship 300 inmates out of county for 2 years: range \$13,065,600 (\$40/day) to \$17,445,600 (\$60/day).

Inmate Movement to Court from Greenfield Site

1. Cost to transport inmates to courthouse from Greenfield Site (or staff to Site) included staffing plan costs and existing Bailiff staffing costs.
2. Current average of 17.1 inmates per day are transported to court under the current model for transport to court from the adjacent jail.
3. This practice can be sustained with two (2) Deputies to transport at an approximate staffing cost of two (2) deputy FTE's (\$377,000 with replacement factors calculated).
4. This cost can be reduced through additional video court (including status conferences and final pre-trial conferences) and efficient scheduling.
5. This greenfield site, it is anticipated 10 – 16 inmates will be moved each day which could be reduced with additional video court.

Huber Inmate Data

1. 19 inmates per day go out to work.

Visitation Data Summary

1. DCSO staff kept track of all jail visitors to the PSB and CCB Jail for the month of March 2019.
2. 1,516 total Professional Visitors (Attorneys, Probation and Parole, Programs and others)
3. 1,043 total Family and Friends Visitors

Family & Friends method of transport	Percentage
Visitor took the bus	9%
Visitor dropped off	13%
Visitor drove a car	75%

Video Visitation

1. 61% of jail visitors surveyed were open to the idea of a remote video visitation

If video visits were available	Number	Percentage
Yes	279	45%
No	243	39%
Maybe	101	16%

Acknowledgements

The team of Mead & Hunt, Potter Lawson, HDR, MJ Martin, Gilbane and Concord would like to thank and acknowledge the assistance and the important contributions made by the following individuals and committees. Without their help and support, this large endeavor would not have been possible.

County Executive's Office

Joe Parisi, Dane County Executive

Josh Wescott, Chief of Staff

Department of Administration

Greg Brockmeyer, Chief Administration Officer and Director

Charles Hicklin, Chief Financial Officer and Controller

Dane County Department of Public Works, Highway & Transportation

Jerry Mandli, DCPW Commissioner/Director

Scott Carlson, Project Manager

Todd Draper, Deputy Director

Dane County Sheriff's Office

Sheriff David Mahoney

Chief Deputy Jeff Hook

Captain Chris Nygaard

Lieutenant Jeff Heil

Michelle DeForest

Department of Corrections

Nathan White

We would also like to thank the Sheriff's Office and County Staff and Board Members that have helped us understand and address the issues of the Dane County Security Service.

APPENDIX 1

SOUTH TOWER ADDITION

OPTION

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South Tower Addition Option

1. Design Overview: Partial Renovation of the Public Safety Building (PSB) to house medical and mental health inmates and services
 - A. Sub-basement Floor
 - 1) A new tunnel will be provided that connects the existing Courthouse to the new tower elevator. This will require removing some existing parking spaces and storage spaces from this level. A new storage space will be constructed in the area that remains and will be utilized by the Sheriff's Department.
 - 2) A new generator room will be provided in an existing space at the southeast corner of the PSB.
 - B. Basement Floor
 - 1) The dock will be renovated and connect to the new tower addition
 - 2) Central control will be expanded into the adjacent storage area.
 - 3) A new water meter fire pump will be located in a renovated space.
 - 4) Two storage areas will be provided in renovated spaces.
 - 5) A new generator room will be provided in an existing space at the southeast corner of the PSB
 - C. 1st Floor
 - 1) An Assumption has been made that 1st Floor construction includes 70% renovation of the Intake/Release Area.
 - 2) The visitation area will be fully renovated and expanded, with a larger contact visitation room, non-contact visitation space, and better secure circulation provided for visitors, staff and inmates in this area.
 - 3) An additional elevator will be provided to allow the public to access visitation at all housing floors in the PSB after being screened.
 - 4) A new fire command center will be provided near the main building entry.
 - 5) A new space for Warrant Intake/Release will be provided in renovated space where health services will be moved from.
 - 6) A new Huber Entry/Exit area will be provided with separation for males and females.
 - D. 2nd Floor
 - 1) Work includes 10% renovation of overall floor. With MEP work on the 3rd floor, the Sheriff's Office staff will be temporarily relocated during work to provide access to the ceiling space.
 - 2) Existing EOC space will be removed for inmate services and programs.
 - E. 3rd Floor
 - 1) The entire 3rd floor of the PSB will be renovated. Male General Population, Huber, and Reception Overflow Housing, along with Female Huber and Reception Overflow Housing, will be accommodated in the reconfigured dormitories.
 - 2) Visitation will be provided on this floor, with a secure access point from the housing units and the new public elevator.

- 3) The existing exercise space will be renovated into Health Care Services administrative space.
 - 4) Glazing in some areas will have to be removed to provide enclosed fresh air space for the housing units.
- F. 4th Floor
- 1) The entire 4th floor of the PSB will be renovated. Male medical and mental health housing will be accommodated in the renovated space, and an outpatient clinic that serves the entire facility will be located on a new floor in the renovated gym.
 - 2) Glazing in some areas will have to be removed to provide enclosed fresh air space for the housing units.
- G. 5th Floor / Mechanical Level
- 1) Air-handler Units to be replaced. Currently more than 25 years old and reaching life-expectancy. Cooling tower to be relocated to roof outside of the Mechanical Penthouse.
 - 2) A new staff space will be provided in the NE corner of the existing penthouse, after equipment is relocated to the new tower.
2. New South Tower to house Male Transitional, General Population and Flex Housing, Waived youth Housing, Female General Population Housing, and Female Medical and Mental Health Housing. The new South Tower will have two (2) secure elevators, and a public elevator that will allow public access to visitation space at every housing floor.
- A. Sub-basement Floor
- 1) A new ramp will be provided to allow access to the existing PSB garage from Wilson Street.
 - 2) The ramp to the existing courthouse parking will be modified to accommodate new columns for the floors above.
 - 3) Five (5) parking spaces will be provided to offset the loss of spaces in the existing PSB renovation.
 - 4) General storage for the facility will be provided at this level.
 - 5) A mechanical room, electrical service room, and electrical vault will be provided at this level.
- B. Basement Floor
- 1) A new enclosed dock and loading area, with space for trash and recycling, will be provided at this level. Trucks approaching from Wilson Street will enter the dock and an overhead door will close before materials are loaded or unloaded.
 - 2) General storage for the facility will be provided at this level.
 - 3) A new laundry room for the receipt and delivery of clothing and linens will be provided.
 - 4) A new scullery / food prep area will be provided.
- C. 1st Floor
- 1) Male Transitional Housing will be provided on this floor.
 - 2) Security operations will be located at this level, with good proximity to the transitional housing and visitation areas.
 - 3) Visitation and programs are accommodated in the Transitional Housing unit.

- D. 2nd Floor
 - 1) Male and Female Waived Youth Housing will be accommodated at this level.
 - 2) Sight and sound separation between the youths and adults in this facility is imperative. Locating Waived Youths on this floor, with no other housing or jail functions, mitigates that.
 - 3) Visitation and programs are accommodated in the Waived Youth units.
- E. 3rd Floor
 - 1) Female General Population / Flex Housing is accommodated on this level.
 - 2) Visitation and programs are accommodated in the Female General Population / Flex Housing unit.
- F. 4th Floor
 - 1) Female Medical and Mental Health Housing is accommodated on this level.
 - 2) All medical and mental health housing in the facility is colocated on the 4th floor, with the outpatient clinic. This allows for staff efficiencies related to health services.
- G. 5th Floor / Mechanical Level
 - 1) A new mechanical floor that connects to the existing PSB penthouse will be accommodated on this level.
- H. 6th Floor / Mezzanine
 - 1) Male General Population / Flex Housing is accommodated on this level.
 - 2) The housing units utilize a mezzanine level, and a full height covered recreation space on the south end of each unit provides abundant daylight into the units.
 - 3) Visitation and programs are accommodated at the units.
- I. 7th Floor / Mezzanine
 - 1) Male General Population Housing is accommodated on this level.
 - 2) The housing units utilize a mezzanine level, and a full height covered recreation space on the south end of each unit provides abundant daylight into the units.
 - 3) Visitation and programs are accommodated at the units.
- J. 8th Floor / Mezzanine
 - 1) Male General Population Housing is accommodated on this level.
 - 2) The housing units utilize a mezzanine level, and a full height covered recreation space on the south end of each unit provides abundant daylight into the units.
 - 3) Visitation and programs are accommodated at the units.

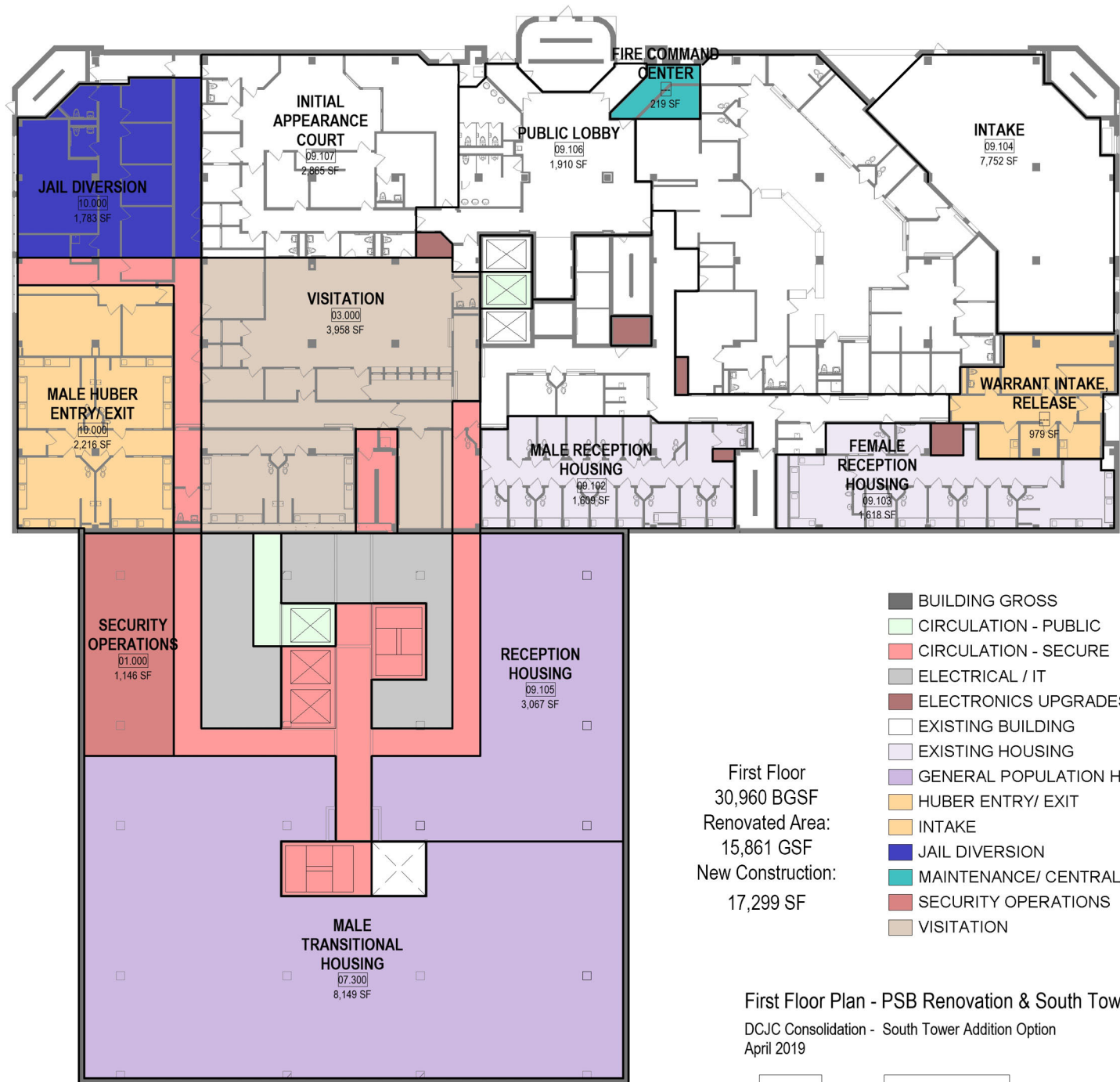
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Sub-Basement Floor Plan - PSB Renovation & South Tower Addition

DCJC Consolidation - South Tower Addition Option
April 2019

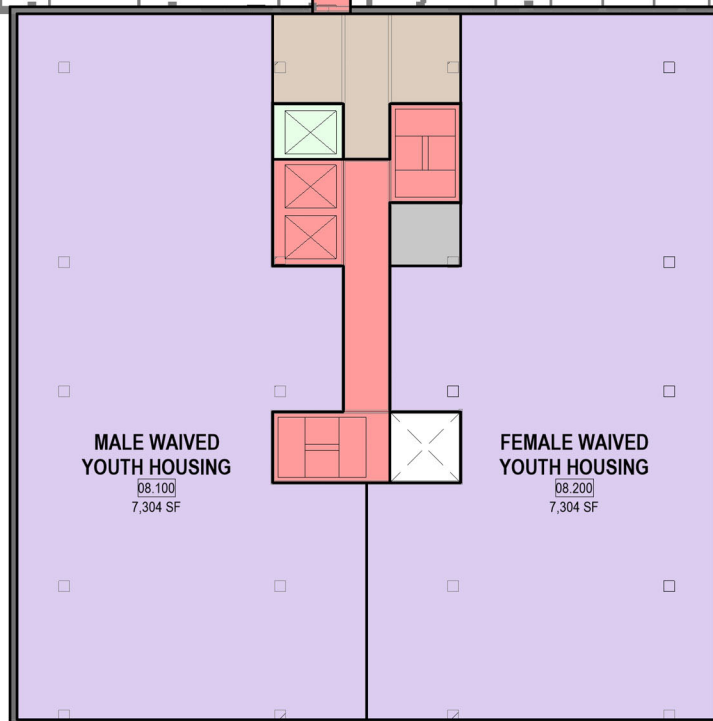




First Floor Plan - PSB Renovation & South Tower Addition

DCJC Consolidation - South Tower Addition Option

April 2019

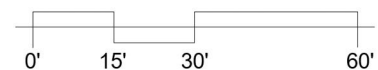


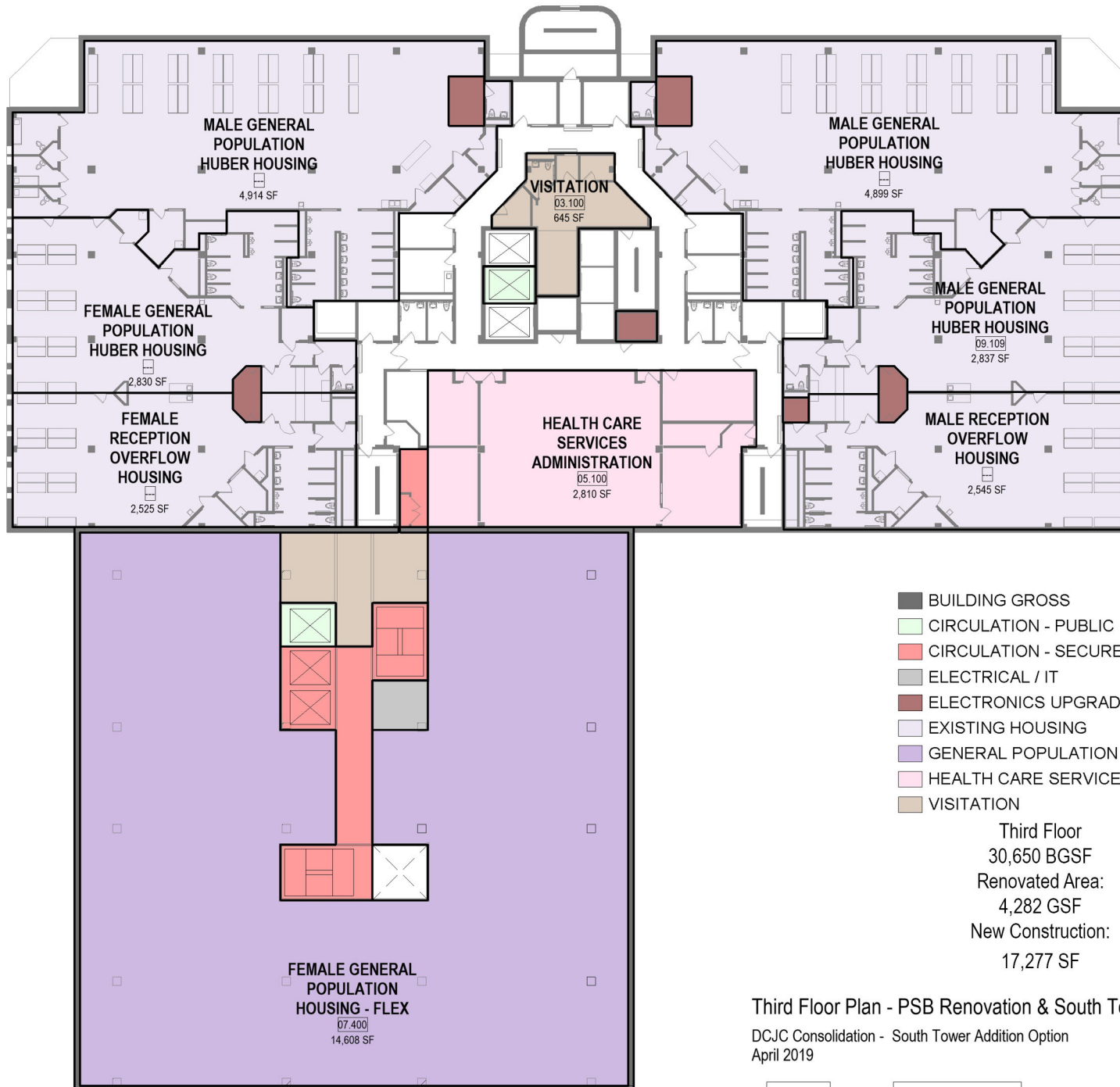
- BUILDING GROSS
- CIRCULATION - PUBLIC
- CIRCULATION - SECURE
- ELECTRICAL / IT
- ELECTRONICS UPGRADES
- JAIL ADMINISTRATION
- PROGRAMS AND SERVICES
- VISITATION
- WAIVED YOUTH HOUSING

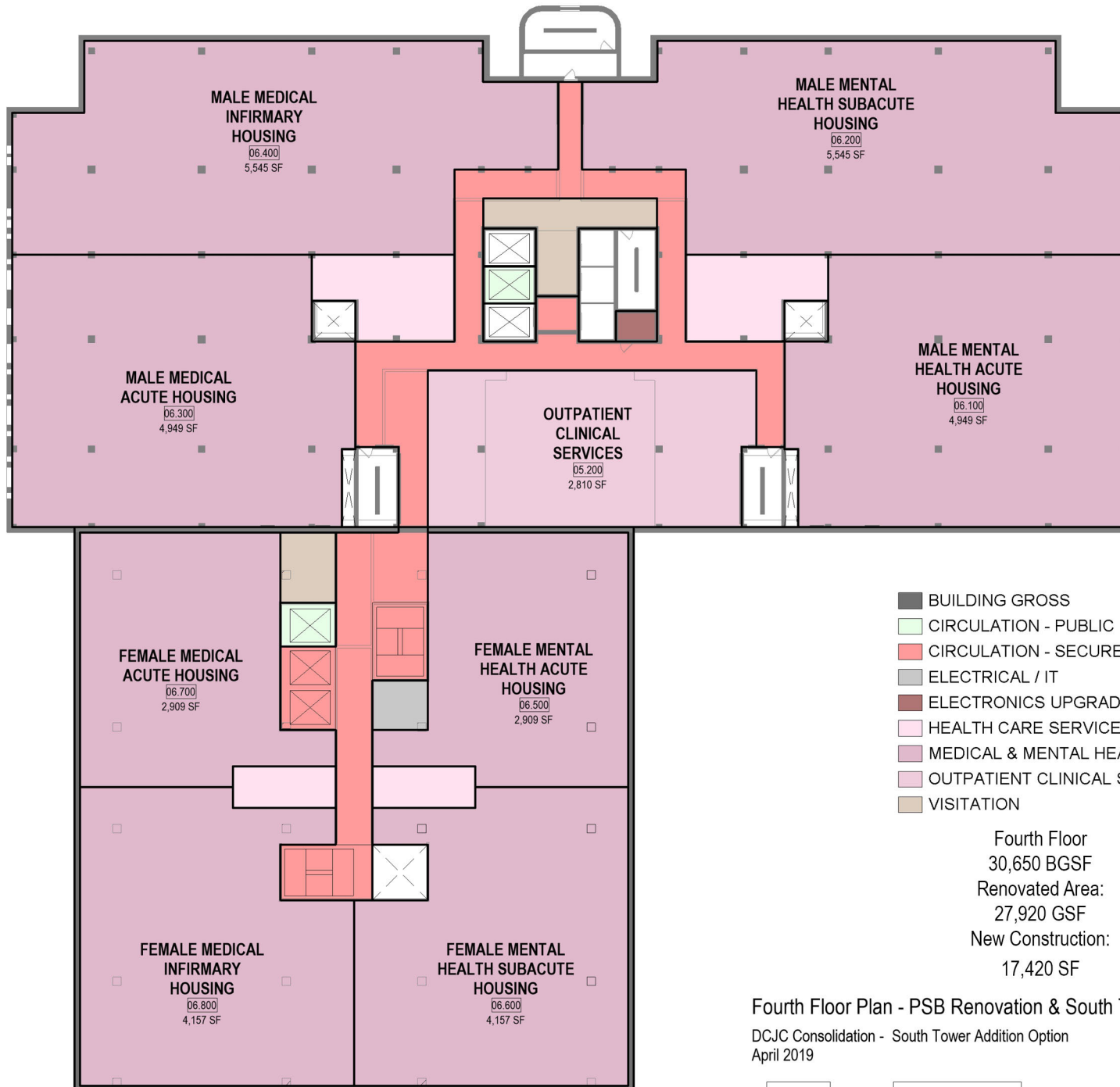
Second Floor Floor
 31,220 BGSF
 Renovated Area:
 5,812 GSF
 New Construction:
 17,411 SF

Second Floor Plan - PSB Renovation & South Tower Addition

DCJC Consolidation - South Tower Addition Option
 April 2019

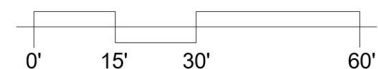


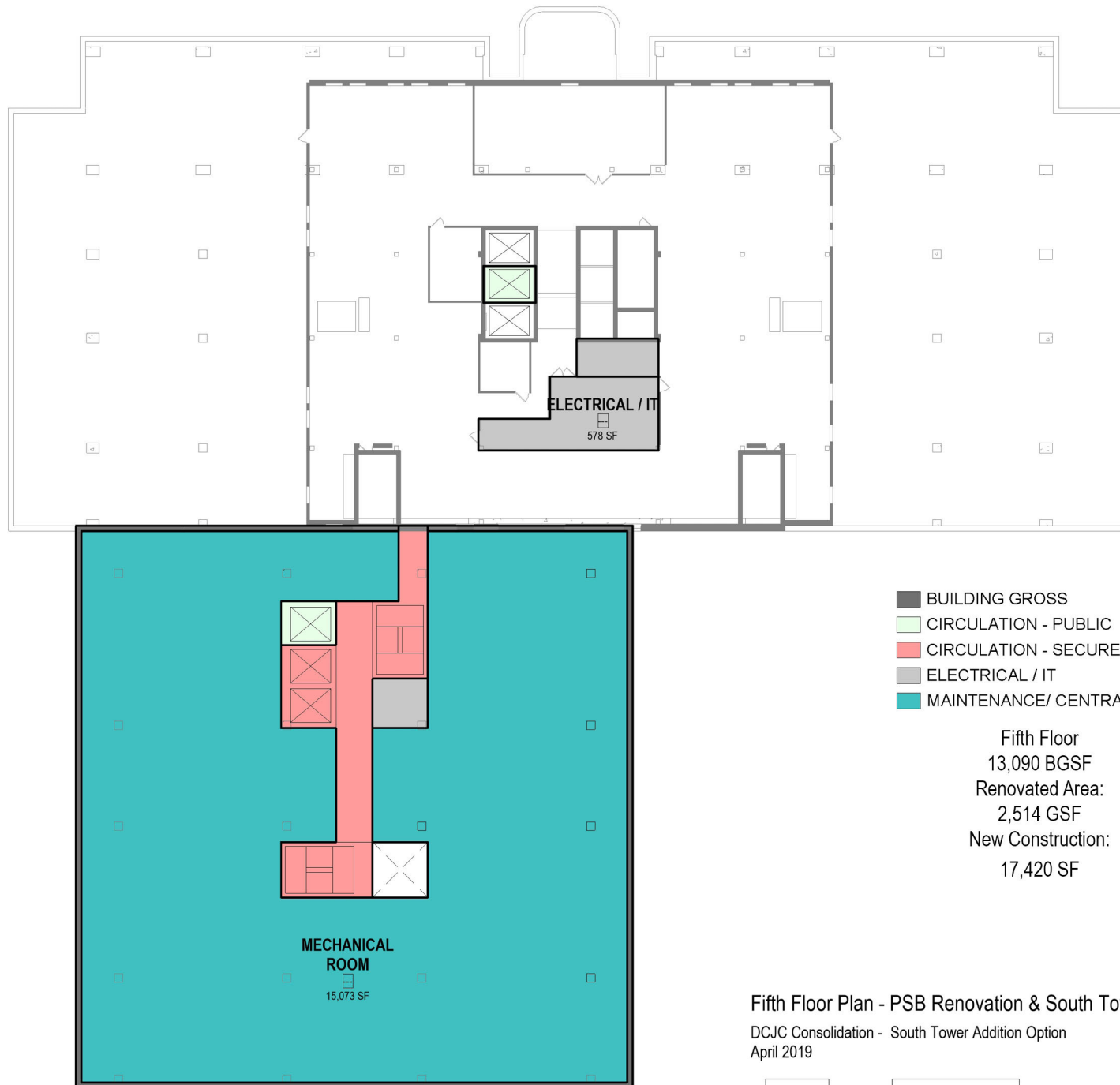




Fourth Floor Plan - PSB Renovation & South Tower Addition

DCJC Consolidation - South Tower Addition Option
April 2019

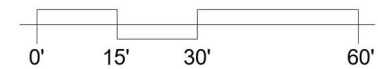


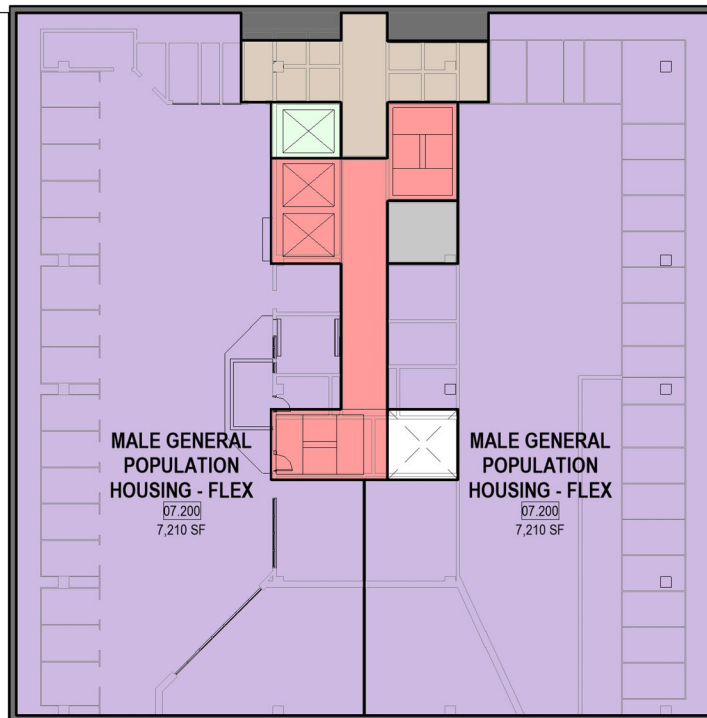
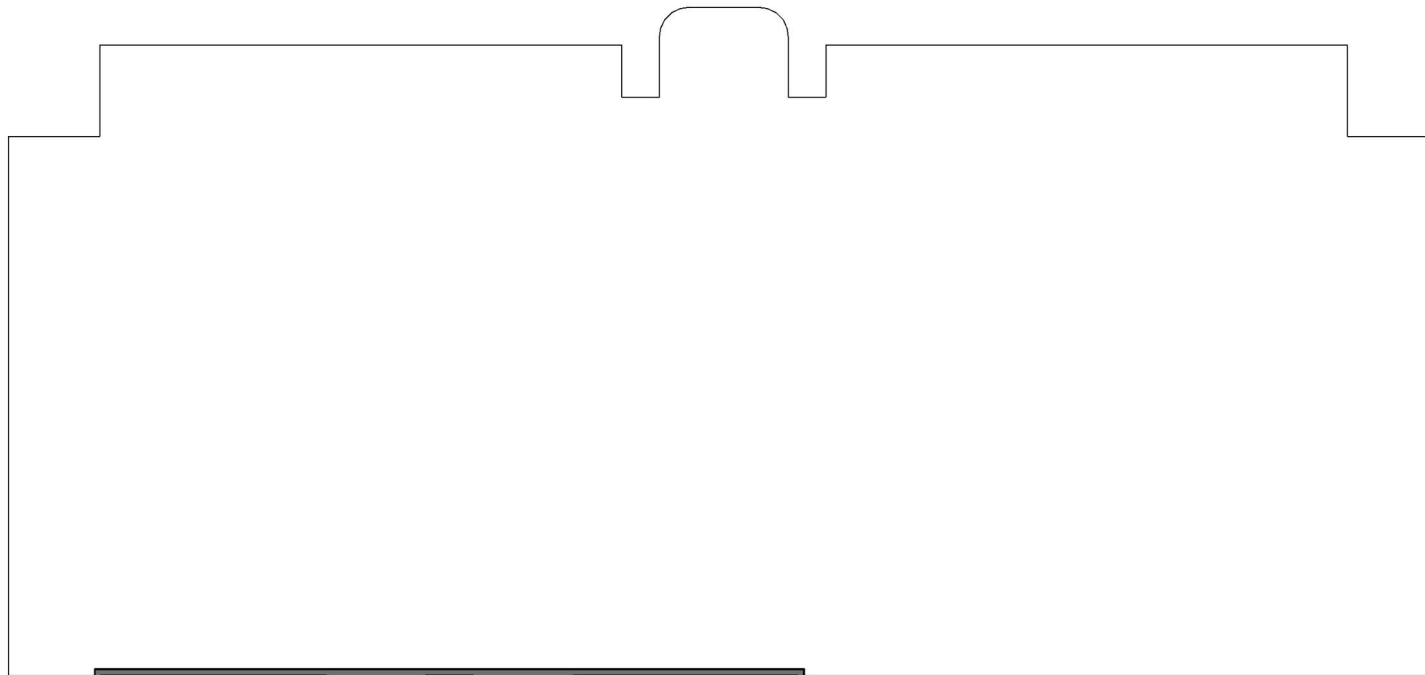


Fifth Floor
13,090 BGSF
Renovated Area:
2,514 GSF
New Construction:
17,420 SF

Fifth Floor Plan - PSB Renovation & South Tower Addition

DCJC Consolidation - South Tower Addition Option
April 2019

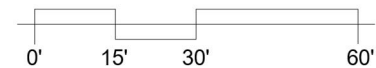


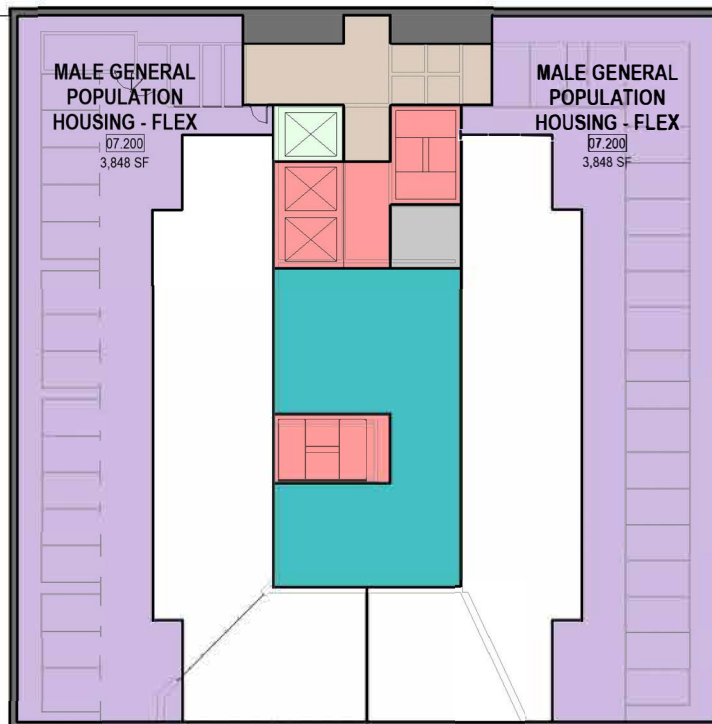
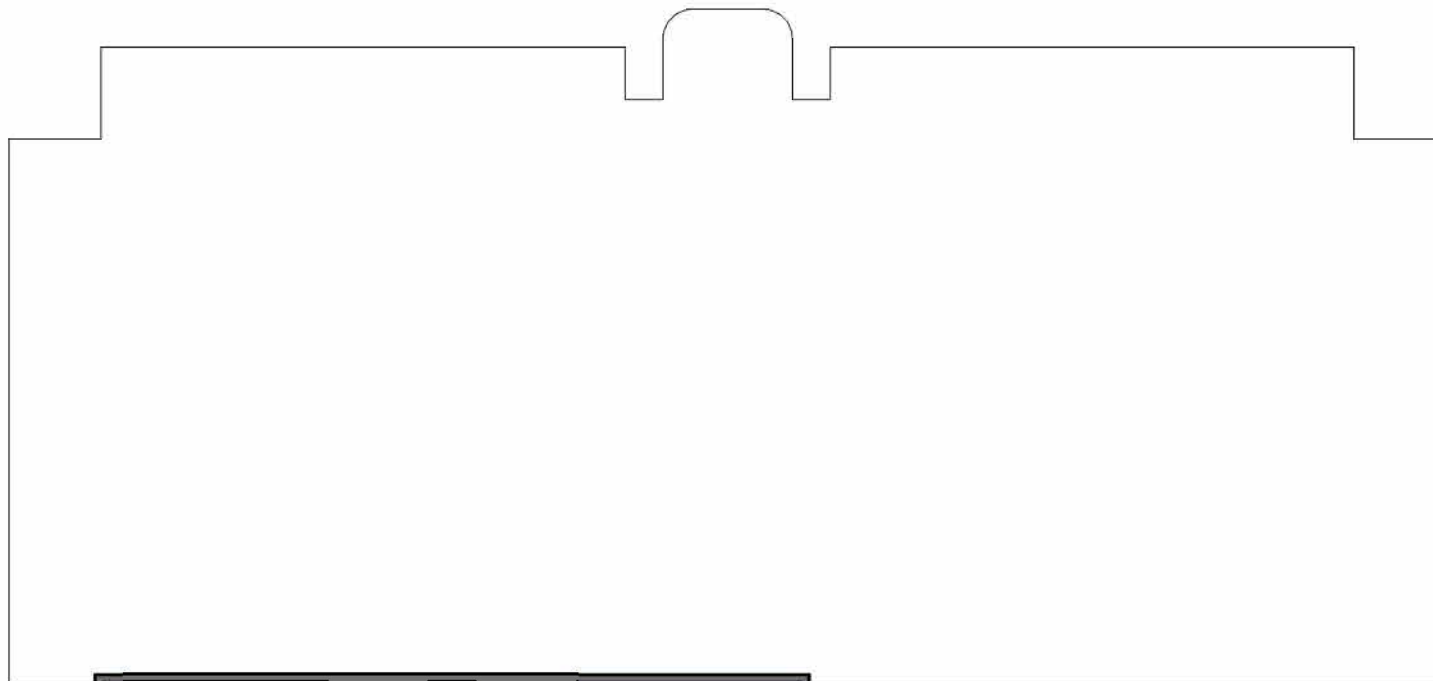


- BUILDING GROSS
- CIRCULATION - PUBLIC
- CIRCULATION - SECURE
- ELECTRICAL / IT
- GENERAL POPULATION HOUSING
- VISITATION

Sixth Floor
-
Renovated Area:
-
New Construction:
17,420 SF

Sixth Floor Plan - South Tower Addition
DCJC Consolidation - South Tower Addition Option
April 2019





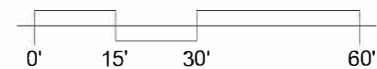
- BUILDING GROSS
- CIRCULATION - PUBLIC
- CIRCULATION - SECURE
- ELECTRICAL / IT
- GENERAL POPULATION HOUSING
- MAINTENANCE/ CENTRAL PLANT
- VISITATION

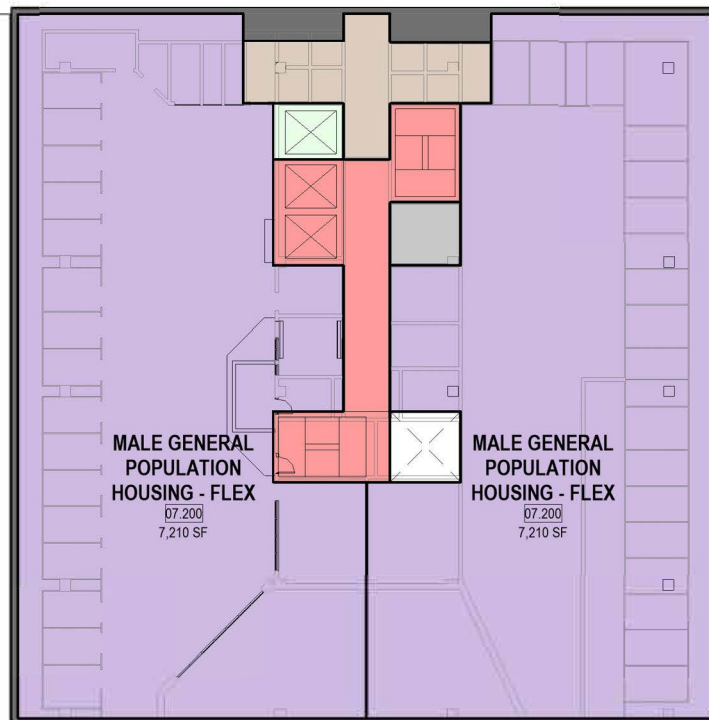
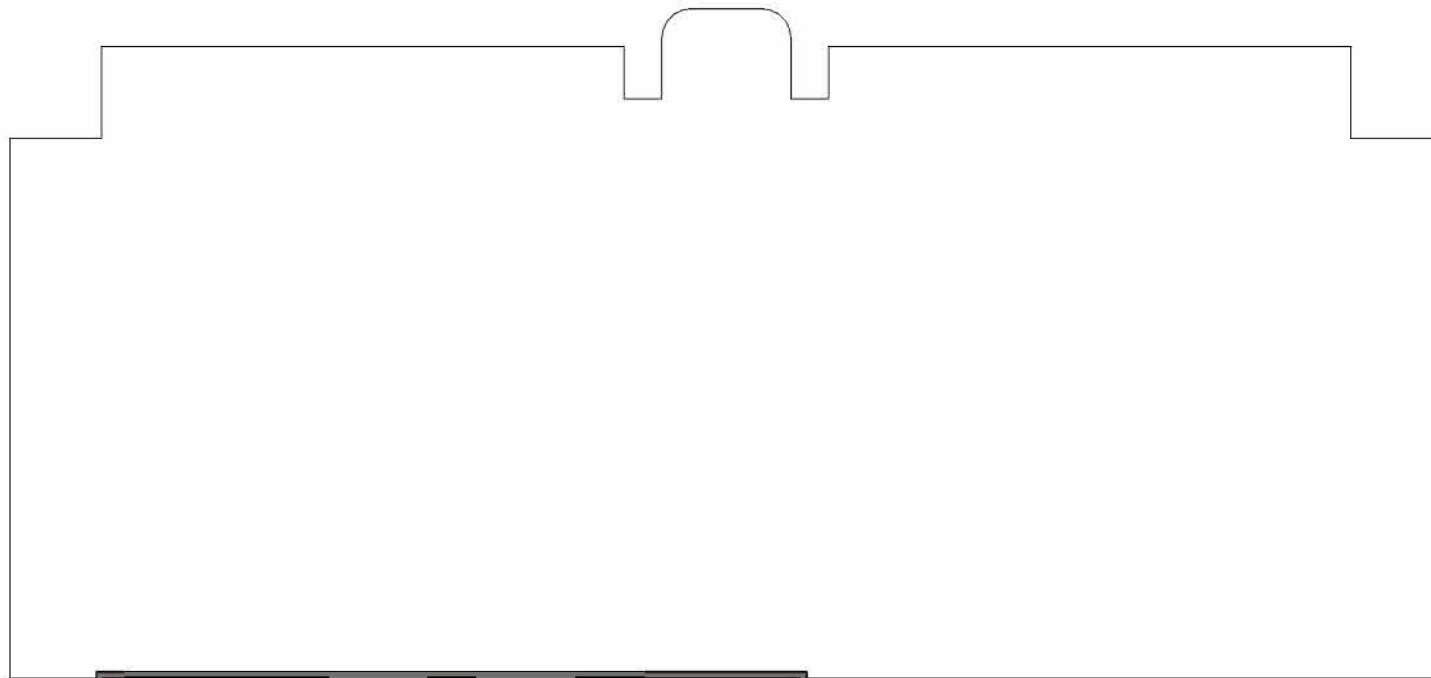
Renovated Area:

New Construction:
12,236 SF

Sixth Floor Mezzanine Plan - South Tower Addition

DCJC Consolidation - South Tower Addition Option
April 2019





- BUILDING GROSS
- CIRCULATION - PUBLIC
- CIRCULATION - SECURE
- ELECTRICAL / IT
- GENERAL POPULATION HOUSING
- VISITATION

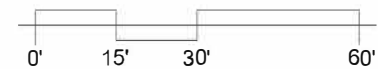
Seventh Floor

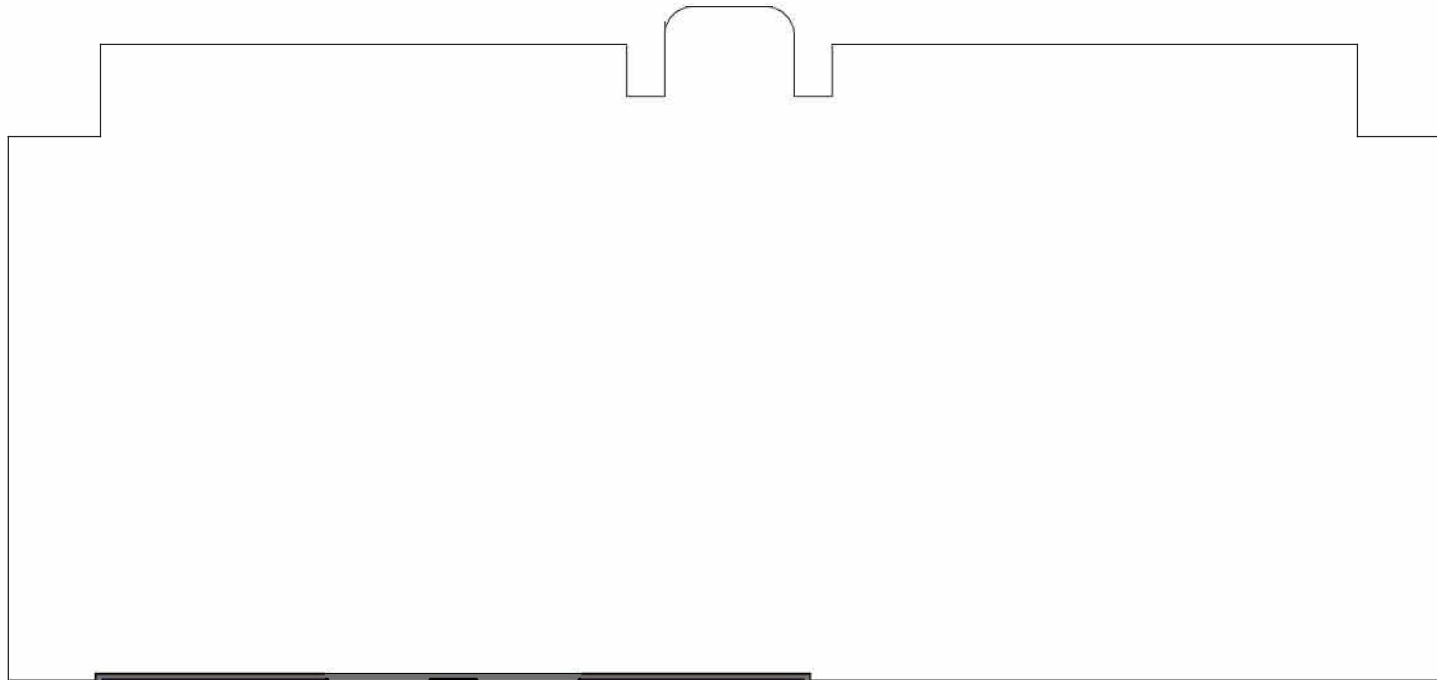
Renovated Area:

New Construction:
17,420 SF

Seventh Floor Plan - South Tower Addition

DCJC Consolidation - South Tower Addition Option April 2019





MALE GENERAL
POPULATION
HOUSING
07.100
3,848 SF

MALE GENERAL
POPULATION
HOUSING
07.100
3,848 SF

- BUILDING GROSS
- CIRCULATION - PUBLIC
- CIRCULATION - SECURE
- ELECTRICAL / IT
- GENERAL POPULATION HOUSING
- MAINTENANCE/ CENTRAL PLANT
- VISITATION

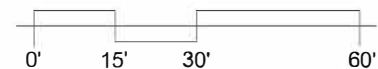
Seventh Floor Mezzanine

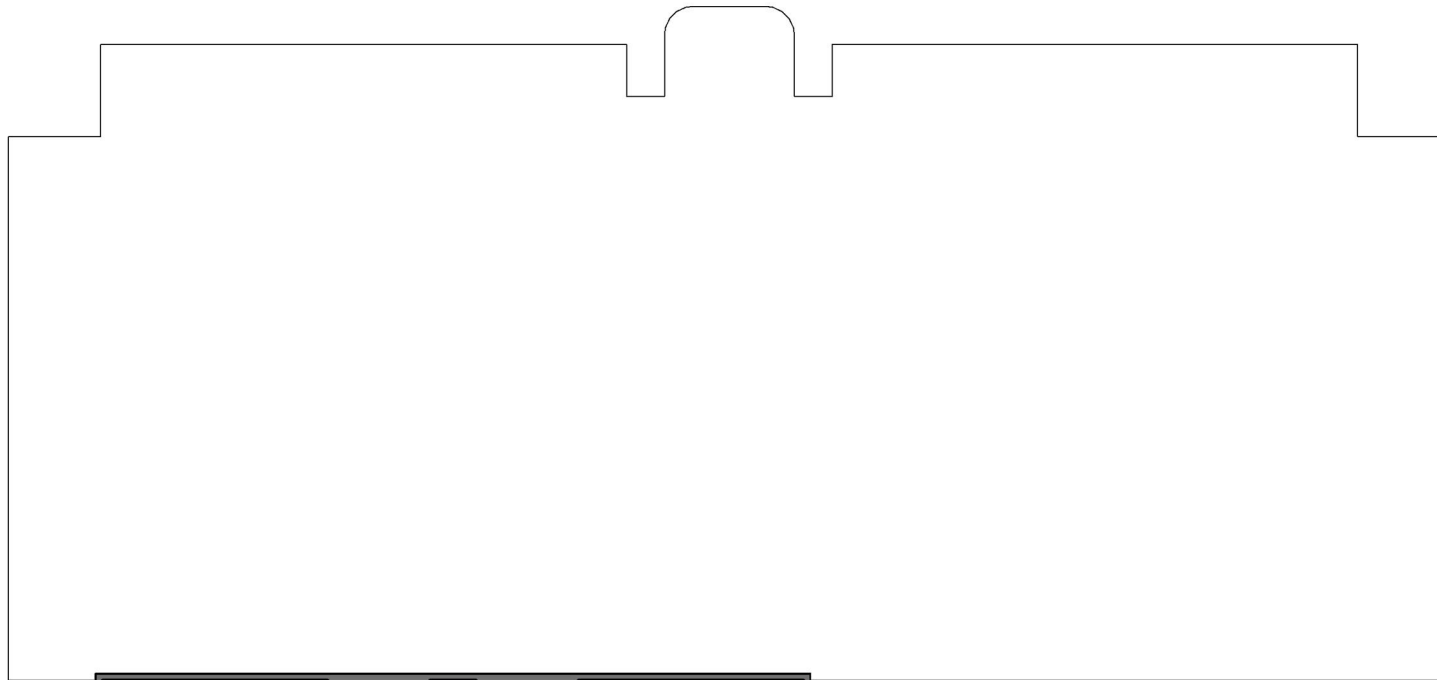
Renovated Area:

New Construction:
12,236 SF

Seventh Floor Mezzanine Plan - South Tower Addition

DCJC Consolidation - South Tower Addition Option
April 2019



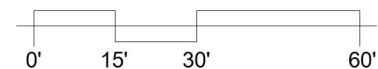


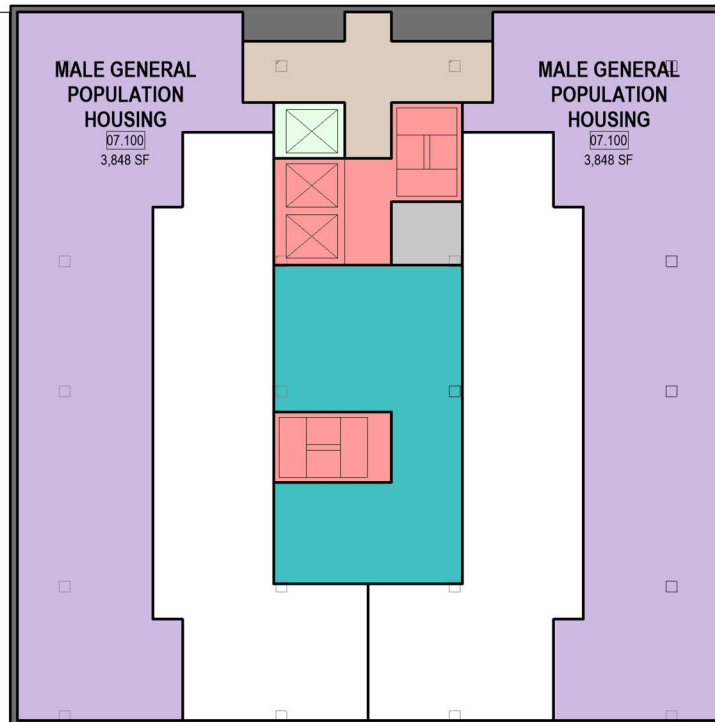
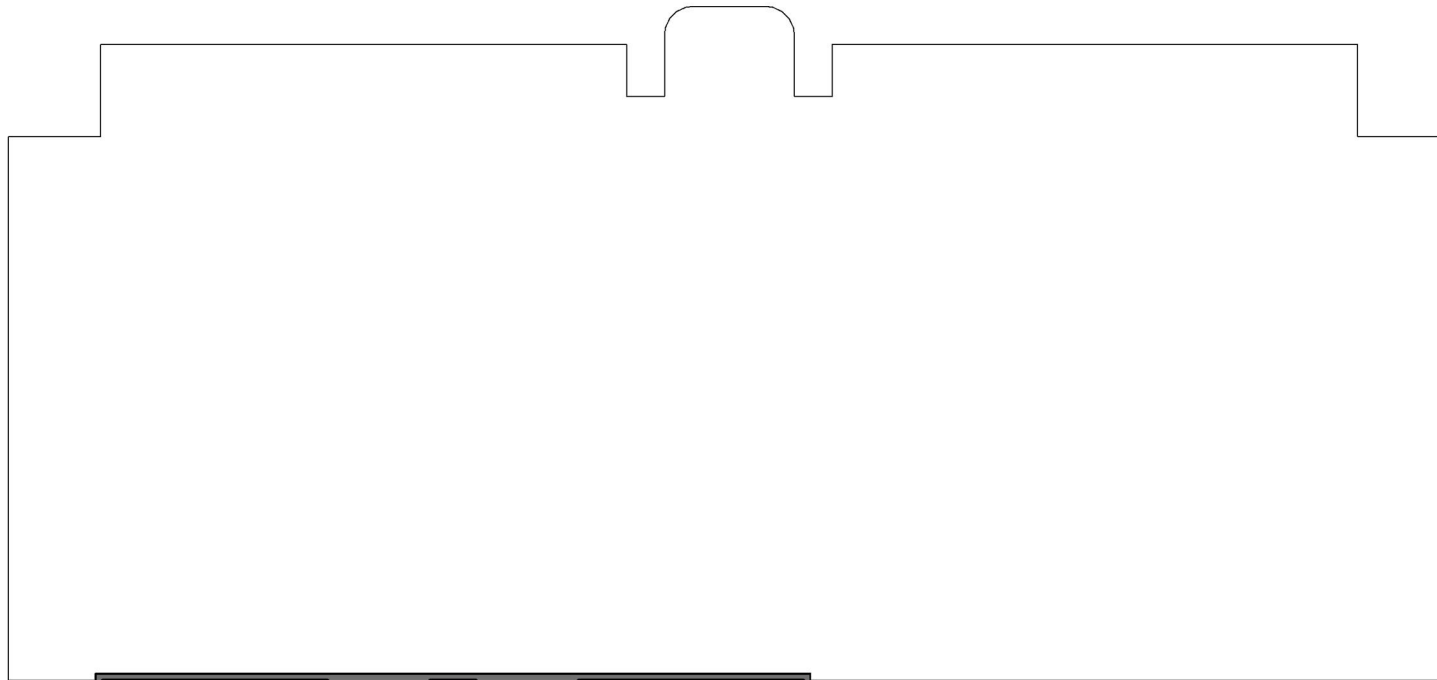
- BUILDING GROSS
- CIRCULATION - PUBLIC
- CIRCULATION - SECURE
- ELECTRICAL / IT
- GENERAL POPULATION HOUSING
- VISITATION

Eighth Floor
-
Renovated Area:
-
New Construction:
17,420 SF

Eighth Floor Plan - South Tower Addition

DCJC Consolidation - South Tower Addition Option
April 2019





- BUILDING GROSS
- CIRCULATION - PUBLIC
- CIRCULATION - SECURE
- ELECTRICAL / IT
- GENERAL POPULATION HOUSING
- MAINTENANCE/ CENTRAL PLANT
- VISITATION

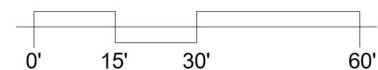
Eighth Floor Mezzanine

- Renovated Area:

- New Construction:
12,236 SF

Eighth Floor Mezzanine Plan - South Tower Addition

DCJC Consolidation - South Tower Addition Option
April 2019



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APPENDIX 2
CCB, PSB RENOVATIONS
& GREENFIELD SITE
OPTION

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CCB & PSB Renovations & Greenfield Site Option

1. Design Overview: Full floor renovation of the 6th and 7th floors of the City County Building (CCB) for housing Maximum and Medium level inmates
 - A. Replacement (remove and reinstall) finished ceilings on 5th floor due to renovation work on 6th and 7th floors. Area of ceiling work was estimated at 33,250 SF, typically at areas of existing cells. This work will also require relocation of 5th floor City and County staff during construction.
 - B. Complete demolition of 6th and 7th floor except at stairs and elevators.
 - C. Hazardous material (lead paint, asbestos ceiling tile) survey and abatement will be required. 50% of the floor was included in the cost estimate.
 - D. Add a 7-story exterior stair at the west side (Carroll St.) of plan for exit egress out of renovated jail space.
 - E. Remove exterior precast panels and CMU back-up. Provide commercial grade curtainwall system with security mesh to provide natural light to dayroom and exterior exercise areas. The red line on plans delineate locations along the exterior walls where exterior window updates will be required.
 - F. Replace all windows on 6th and 7th floors. Existing detention windows are original to the building. Replacement windows would be fixed, aluminum windows that would be outside of the secure perimeter.
 - G. Existing exterior precast skin to remain. Provide insulation and interior finish at interior side of the precast panels. County has an exterior precast panel joint re-caulking project that will be completed prior to the start of this renovation.
 - H. Inmate non-contact visitation areas have been added at each floor adjacent to each housing unit.
 - I. Some limited Medical/Mental Health Clinic and Administrative Services to be provided at each floor.
 - J. Without further investigation and structural analysis, it is assumed that the existing 7th floor cannot be expanded out onto the existing roof. DCSO does not need to keep the existing outdoor recreation area at 7th floor. Additional space required to attain program size needed is included in the Greenfield Site Facility.
 - K. It was assumed that the staff support area on the 7th floor will be used for additional program space. This assumption will be confirmed if design of this option progresses.
 - L. Penthouse Mechanical Plan shows the extent of MEP areas that will likely be part of the renovation work.
 - M. The City County Building (CCB) has a very unique domestic water distribution system. Designed in 1953, the original (east) side of the building receives city water through the main utility tunnel under MLK Jr Blvd. City water pressure is used to supply domestic hot water service through the softening system then to the entire facility. Domestic cold water service to the lower five floors of the building is also supplied via city water pressure. The upper five floors of the original (east) side of the building are supplied via a pair of large hydropneumatic water tanks located in the east penthouse. These tanks have level controls that alternate two base mounted pumps located in the ground floor mechanical room on a demand for water. There are also a pair of air compressors that maintain 28PSI of air on top of the water level in

- the tanks to increase pressure for the high volume of usage in the 6th and 7th floor jail. This system is not compliant with current plumbing code and any major renovations to East Jail would require addressing the shortcomings of this type of plumbing system, with removal and replacement with a code compliant system likely.
- N. When the vertical expansion of the building occurred in 1983, a triplex water boosting system was installed on the GA level to serve floors 4-8 in this new (west) portion of the building. These pumps are still fed from the same city water line from the MLK tunnel but are located on the opposite (Carroll St) side of the building.
 - O. Distribution piping in the original building has been altered many times over the last 60 years through numerous remodel projects. Documentation of piping changes and additions in the form of "as built" for much of this work is scarce. Often times field verification becomes the only means of confirming where piping is going and what it is serving. Field verification in a building this size can be incredibly time consuming. Another serious issue is cross connections between the original (east) portion of the building and the vertical expansion (west) side of the building. The two systems are unable to be isolated which forces building wide water shutdowns for any major renovations that need to occur. These cross connections are not documented and would be very difficult to try to locate and initiate proper repairs for large scale renovation.
 - P. The CCB has a unique mechanical system. The mechanical, plumbing, fire protection, electrical, technology/IT systems, and security electronics systems will be replaced on the 6th and 7th floors.
 - Q. Significant plan / design deficiencies with this Option.
 - 1) Housing units have very narrow day rooms and poor sight lines and do not support the direct supervision operation model that is desired.
 - 2) No space in the County Jail System to move maximum security and special needs inmates during renovation of the CCB. Project will need to be phased by breaking the renovation / construction work into two vertically stacked phases to be able to continue to house the inmates within the other half of the CCB. This would mean that the team would renovate ½ of the 6th and 7th floors and then complete the other half vertically. Construction work on the 6th floor will require vacating all or portions of the 5th floor. This work will require relocation of City and County staff during construction.
 - 3) Partial Renovation of the Public Safety Building (PSB) to house Medical and Mental Health inmates and services.
 - a) Sub-basement Floor: No renovation work except for new elevator being added in one of the existing empty shafts.
 - R. Basement Floor: At Inmate Property Storage, the inmate property storage conveyor equipment/system will need to be replaced. Use a \$250,000 allowance for replacing this equipment in the existing space.
 - S. The Staff Support area in the basement will be renovated to create a centralized food tray prep and scullery area.
 - T. The laundry area will be renovated, and the existing laundry equipment will be replaced.
 - U. First Floor: An assumption has been made during this Study that First Floor construction Work includes 50% renovation in the Visitation Area and 70% renovation to of the

Intake/Release Area and Medical Services Area.

- V. Jail Administration area to will be renovated into Medical and Mental Health Administrative Office area.
 - W. 2nd Floor: Work includes repurposing of EOC area for Sheriff's Office functions and 10% renovation of overall floor. With MEP work on the 3rd floor, the Sheriff's Office staff will be temporarily relocated during work to provide access to the ceiling space.
 - X. Significant (primary and most distribution) Mechanical, Electrical, Plumbing, Fire Protection, IT/Technology Systems, and Security Electronic Systems in the PSB will need to be replaced. Upgrade to current Building Life Safety and ADA Codes.
 - Y. 3rd and 4th floors: Work includes complete renovation as shown on attached floor plans. Inmate Visitation has been added to the floors.
 - Z. Existing gym to have floor added at the 4th floor level for programming space to be added at the existing 3rd and 4th floors.
 - AA. Remove exterior face brick and CMU back-up. Provide commercial grade curtainwall system with security mesh to provide natural light to dayroom and exterior exercise areas. The red line on plans delineate locations along the exterior walls where exterior window updates will be anticipated.
 - BB. An allowance will be provided in the estimate for skylights above the 4th floor housing areas.
 - CC. Mechanical Penthouse: Air-handler Units to be replaced. Currently over 25 years old and reaching life-expectancy. New chillers to be located on the roof outside of the Mechanical Penthouse.
 - DD. Add additional space on each side of the existing Penthouse to accommodate new air handing system.
 - EE. Significant deficiencies with this Option:
 - FF. During construction of the 3rd floor, the second floor Sheriff's Office, staff must be relocated to provide access to the ceiling space.
2. Create a new facility on a site owned or purchased by the County for housing Huber Work Release Minimum Security Level Inmates.
- A. Due to a shortage of available space in the CCB 6th and 7th floors, this facility had to include some additional housing for Male GP Minimum & Medium security inmates.
 - B. Vehicle sally port provided for transport of inmates.
 - C. Providing a centrally located Inmate Visitation was accepted by DCSO for this option based on inmate classification.
 - D. Provide 75 surface parking spaces and driveways on the site with access to the vehicle sally port.

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CCB Fifth Floor Plan

DCJ Consolidation - CCB & PSB Renovation & Greenfield Site Option
April 2019

0' 5' 10' 20'

New Secure
Exit Stair
(280 SF)

Fifth Floor
Total Area = 42,730 GSF

Renovated Ceiling Area
33,250 GSF

EXISTING FIFTH FLOOR PLAN
CITY-COUNTY BUILDING
1/8" = 1'-0"
JUNE 3, 2013
40,700 SF
JAMES WHITNEY

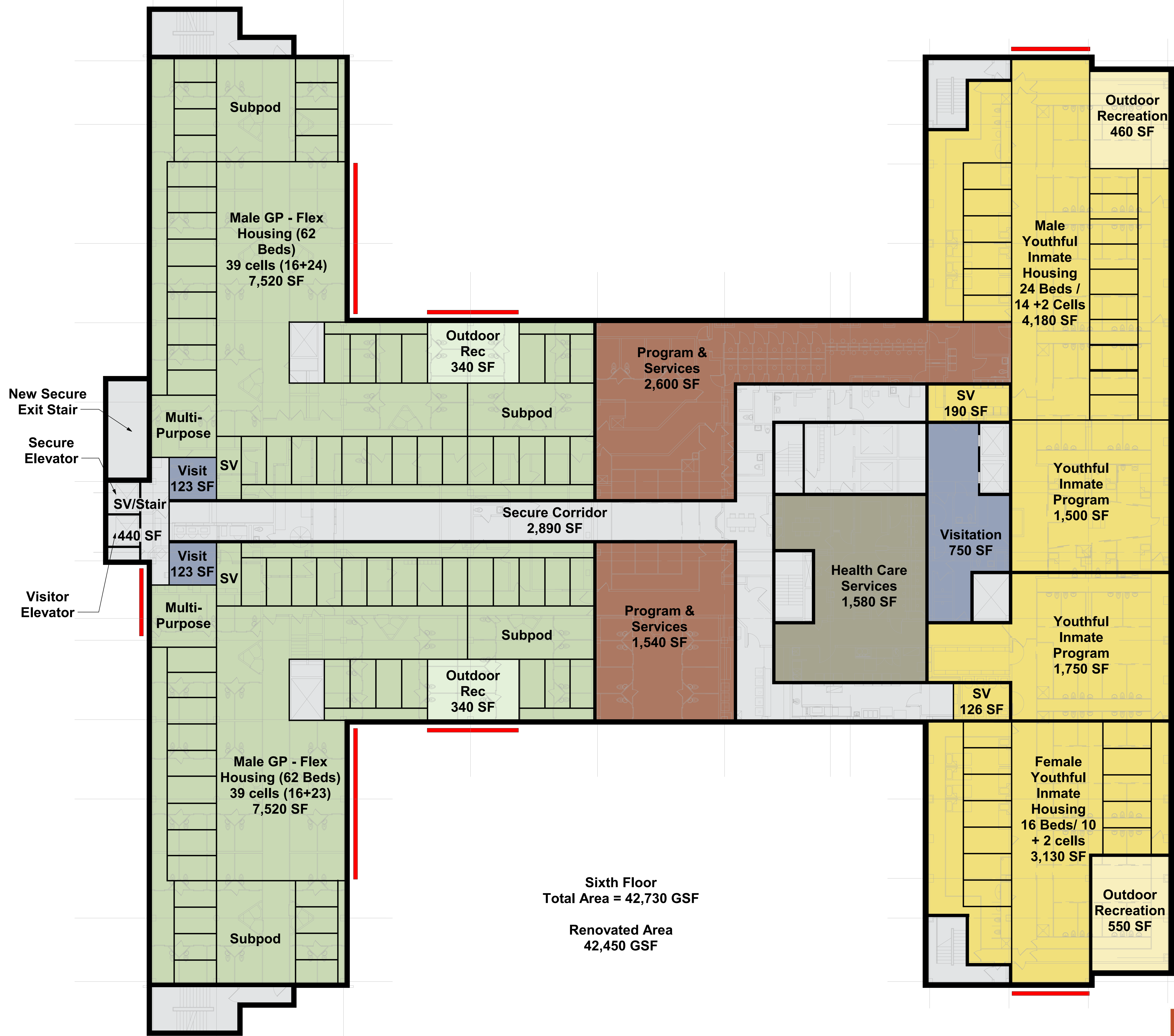


**Mead
& Hunt**



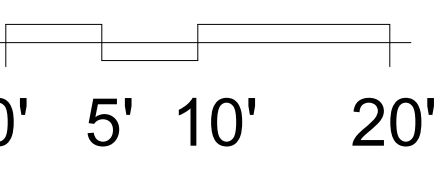
**Potter
Lawson**

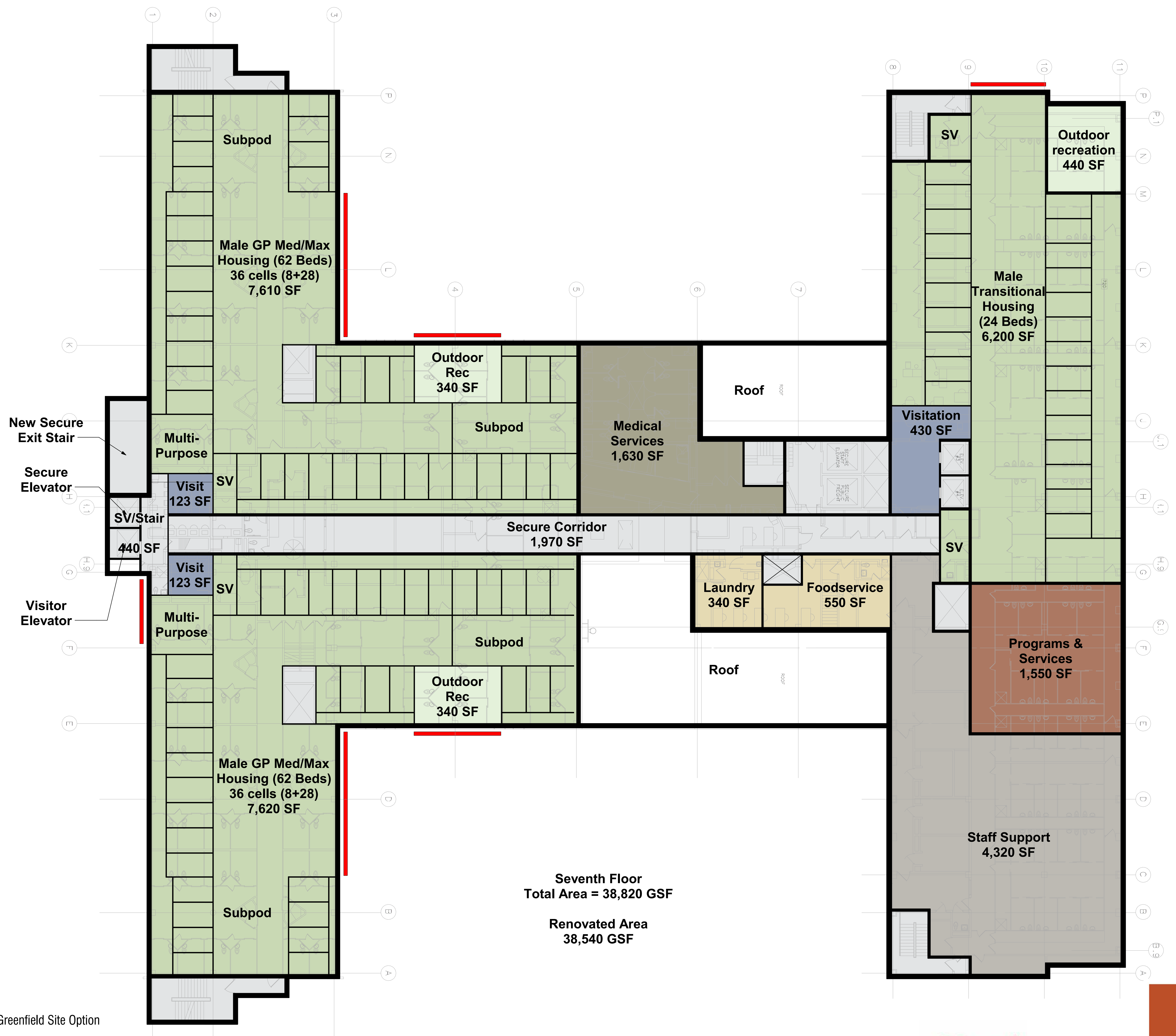
Success by Design



Sixth Floor
Total Area = 42,730 GSF
Renovated Area
42,450 GSF

CCB Sixth Floor Plan
 DCJ Consolidation - CCB & PSB Renovation & Greenfield Site Option
 April 2019





CCB Seventh Floor Plan

DCJ Consolidation - CCB & PSB Renovation & Greenfield Site Option
April 2019

0' 5' 10' 20'

Mead
& Hunt

HR

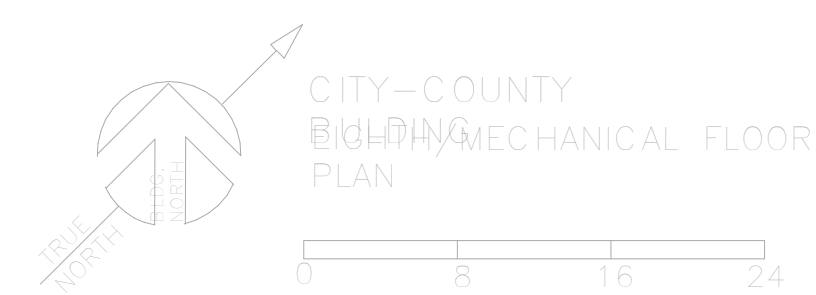
Potter
Lawson

Success by Design



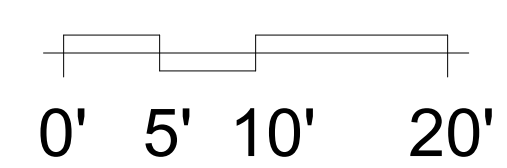
Eighth/Mechanical Floor
Total Area = 11,160 GSF

Renovated Area
7,162 GSF



CCB Eighth/Mechanical Plan

DCJ Consolidation - CCB & PSB Renovation & Greenfield Site Option
 April 2019

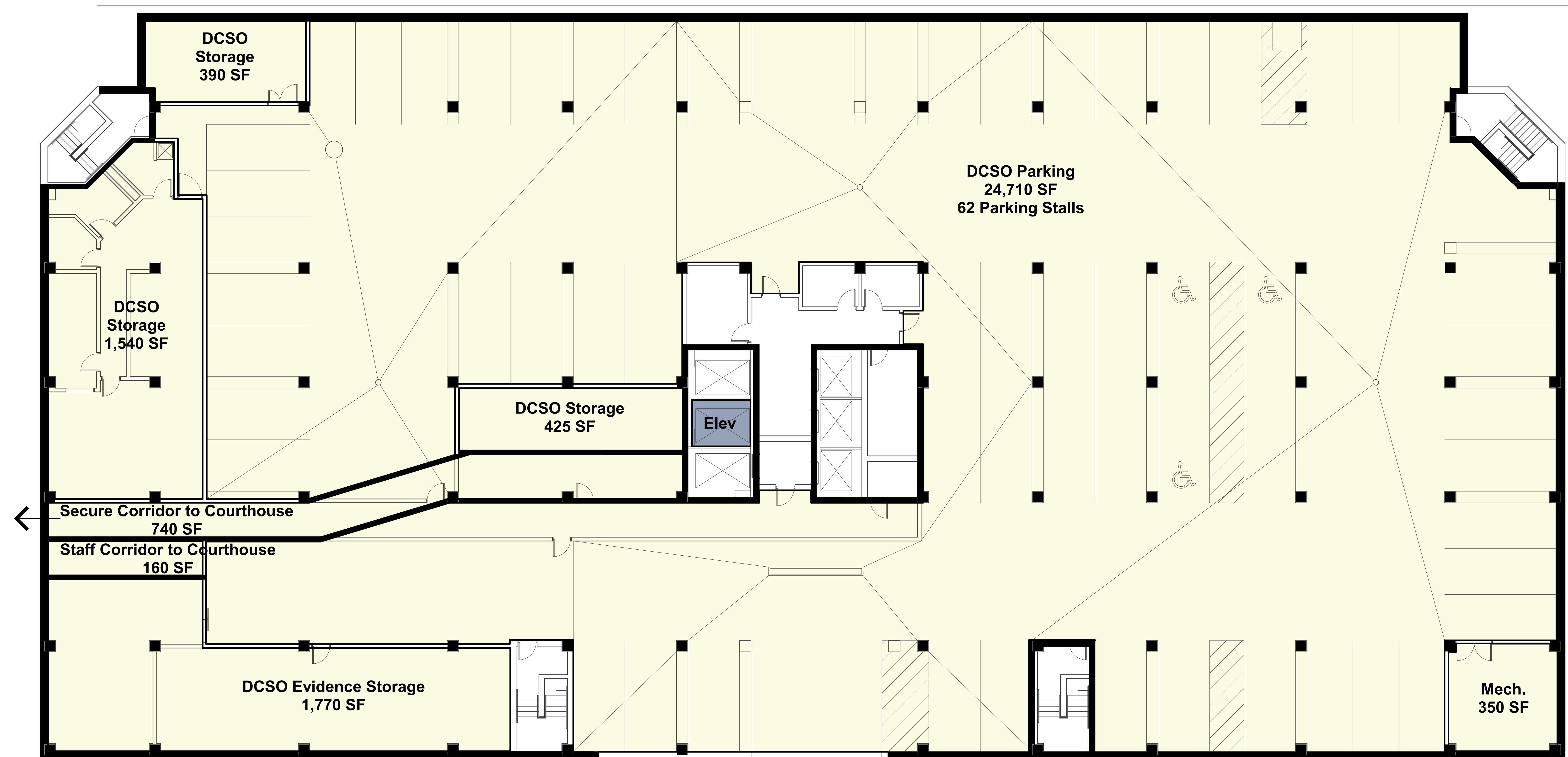


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& Hunt**

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**Potter
Lawson**

Success by Design

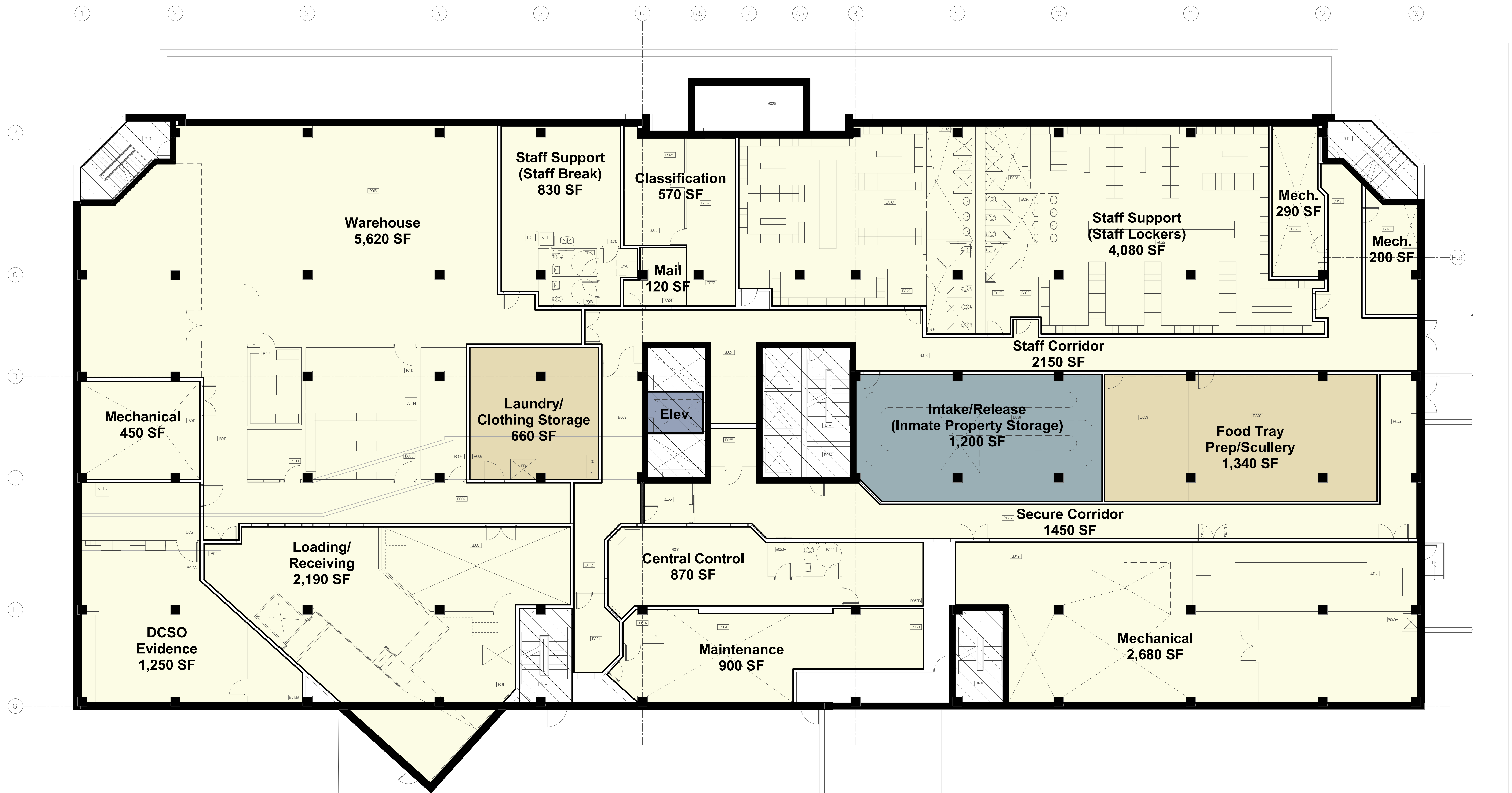


Sub-Basement Floor
35,480 GSF

Renovated Area
0 GSF

Sub-Basement Floor Plan - PSB Renovation
DCJ Consolidation - CCB & PSB Renovation & Greenfield Site Option
April 2019

0' 4' 8' 16'

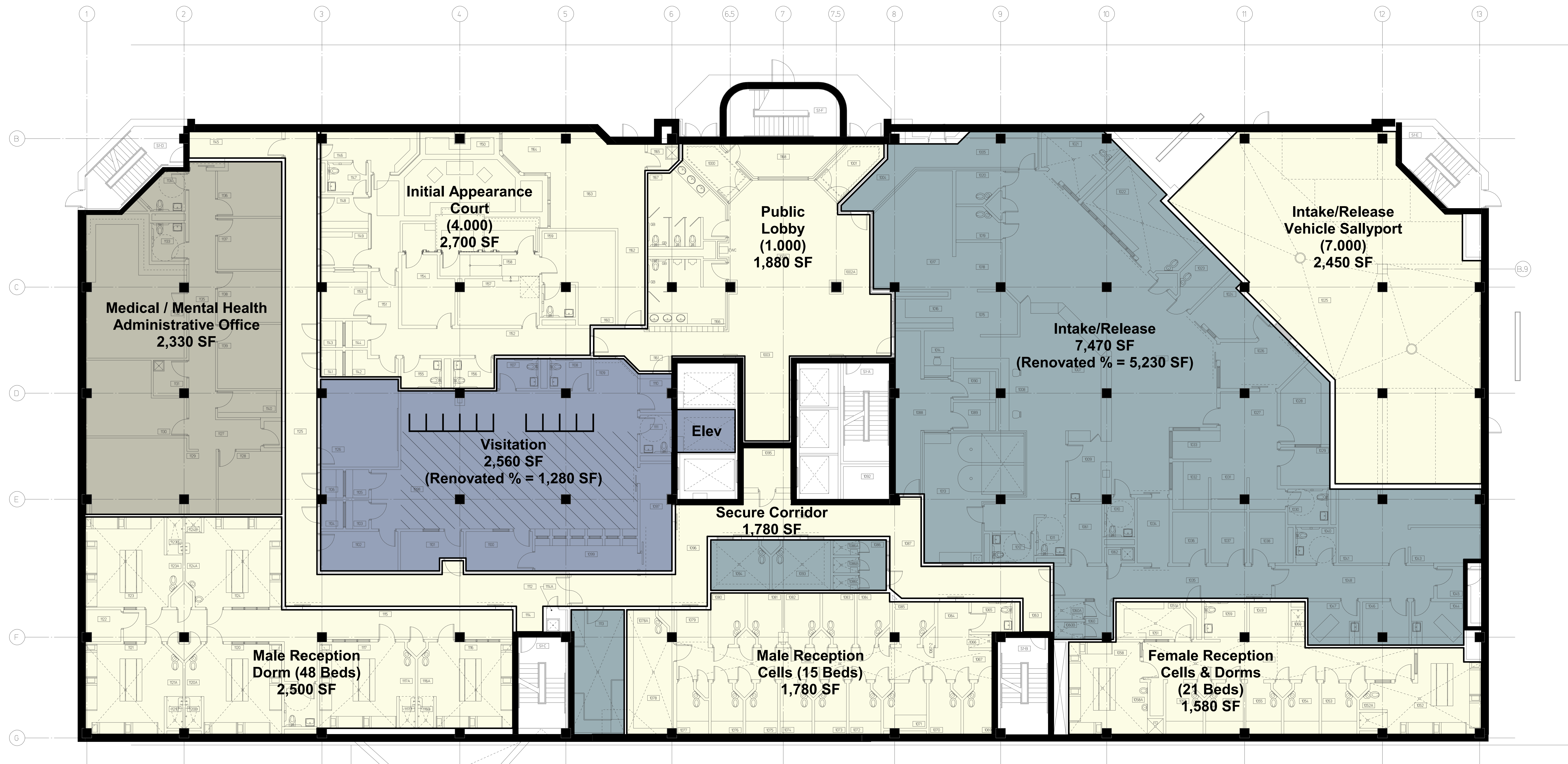


Basement Floor
31,070 GSF

Renovated Area
3,200 GSF

Basement Floor Plan - PSB Renovation
DCJ Consolidation - CCB & PSB Renovation & Greenfield Site Option
April 2019

0' 4' 8' 16'



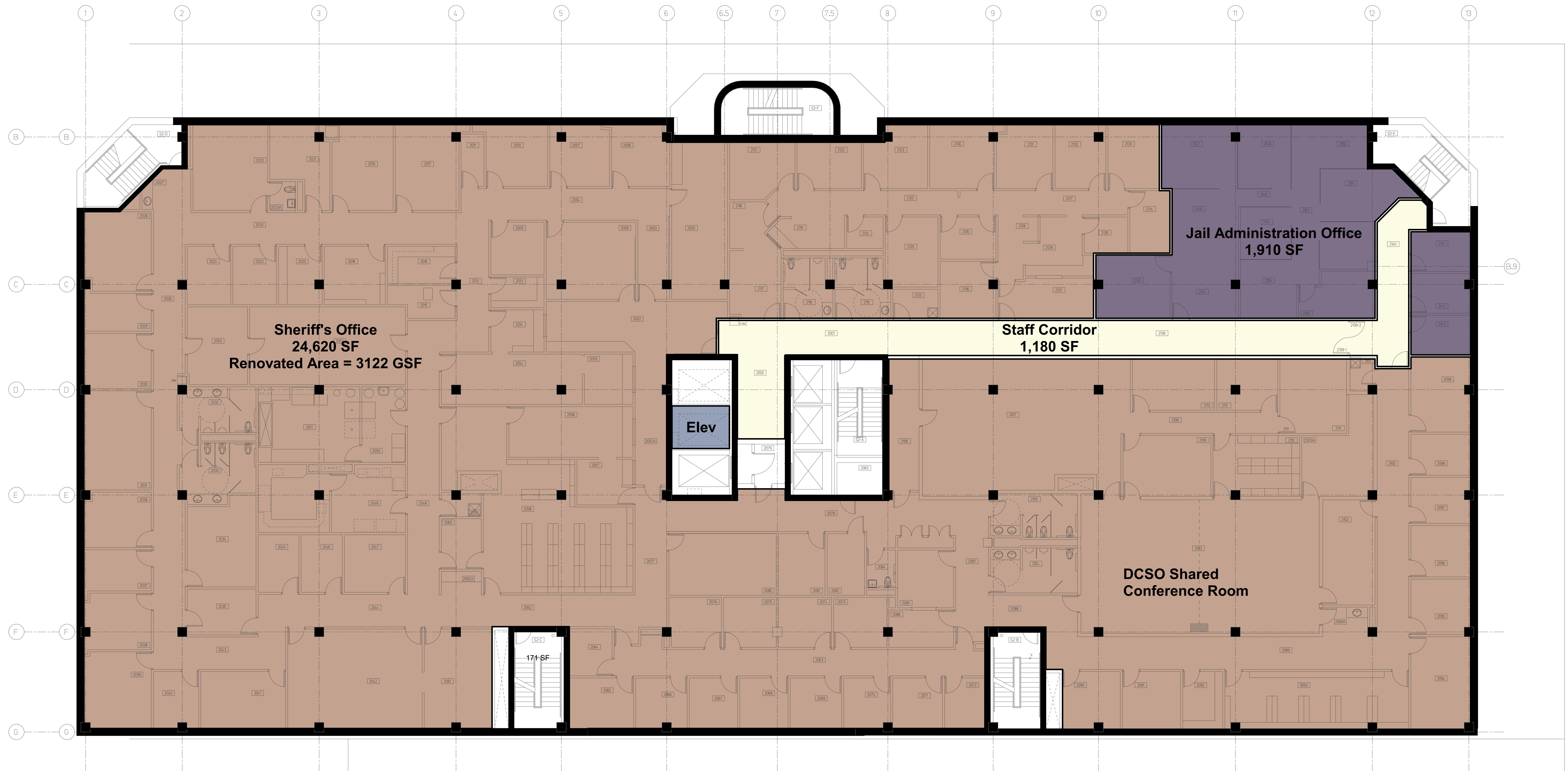
First Floor
30,960 GSF

Renovated Area
8,840 GSF

First Floor Plan - PSB Renovation

DCJ Consolidation - CCB & PSB Renovation & Greenfield Site Option
April 2019

0' 4' 8' 16'



**Second Floor
31,220 GSF**

**Renovated Area
3,122 GSF**

Second Floor Plan - PSB Renovation

DCJ Consolidation - CCB & PSB Renovation & Greenfield Site Option
April 2019

0' 4' 8' 16'

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& Hunt**

HR

**Potter
Lawson**

Success by Design



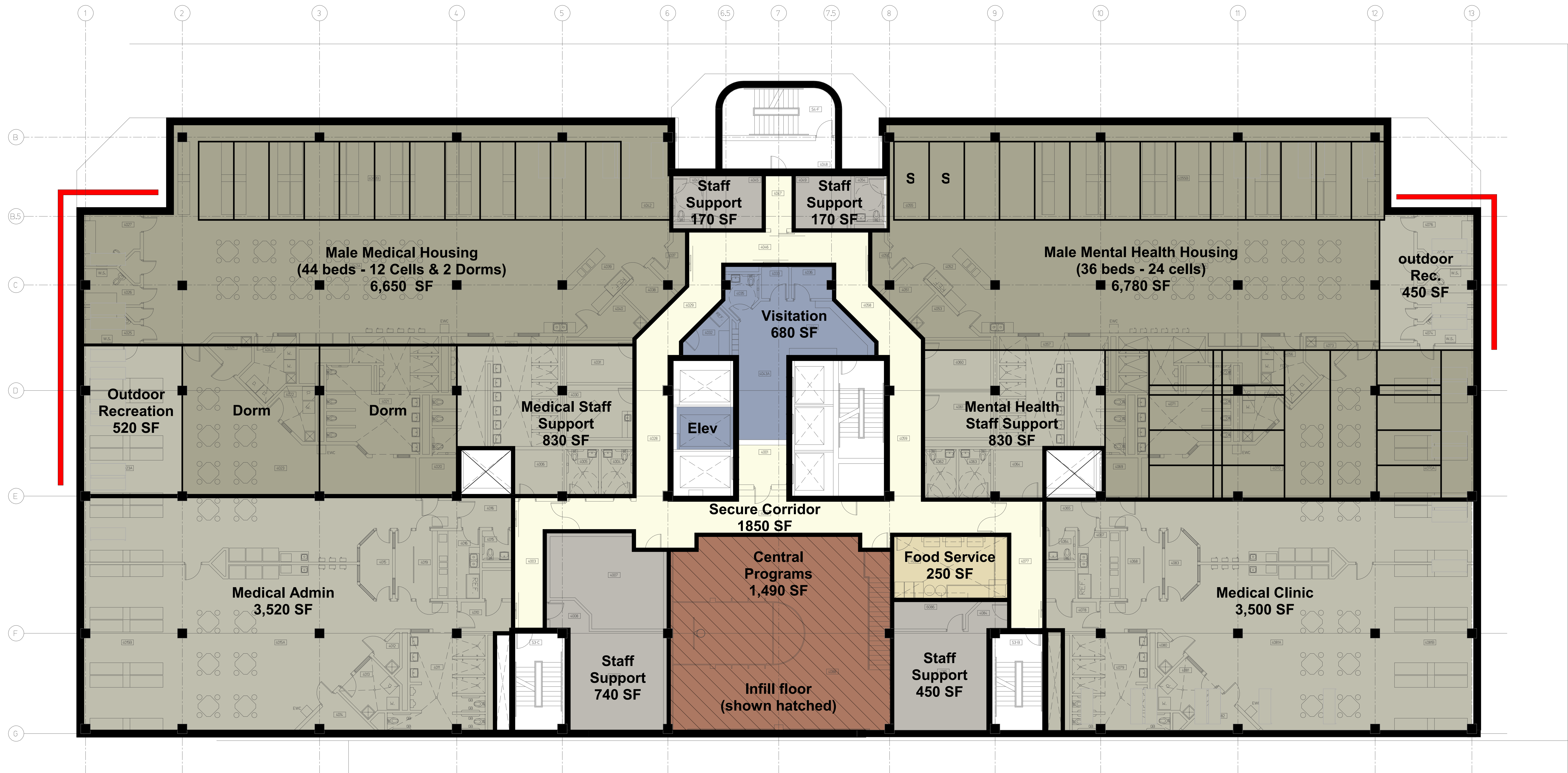
**Third Floor
30,650 GSF**

**Renovated Area
30,650 GSF**

Third Floor Plan - PSB Renovation

DCJ Consolidation - CCB & PSB Renovation & Greenfield Site Option
April 2019

0' 4' 8' 16'



Fourth Floor
30,650 GSF

Renovated Area
30,650 GSF

Fourth Floor Plan - PSB Renovation
DCJ Consolidation - CCB & PSB Renovation & Greenfield Site Option
April 2019

0' 4' 8' 16'

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**Fifth Floor
17,510 GSF**

**Renovated Area
13,090 GSF**

Fifth Floor Plan - PSB Renovation

DCJ Consolidation - CCB & PSB Renovation & Greenfield Site Option
April 2019

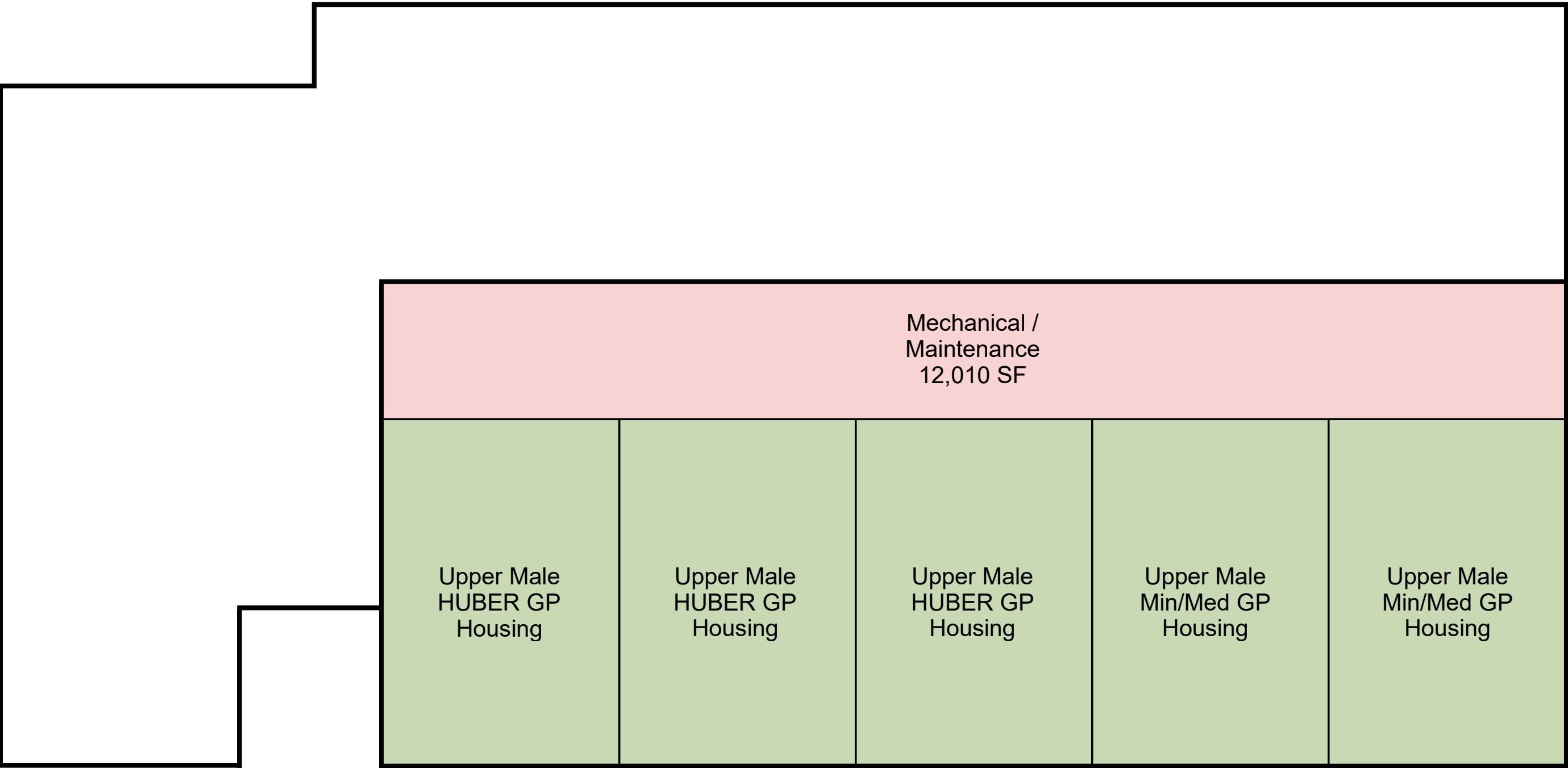
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& Hunt**

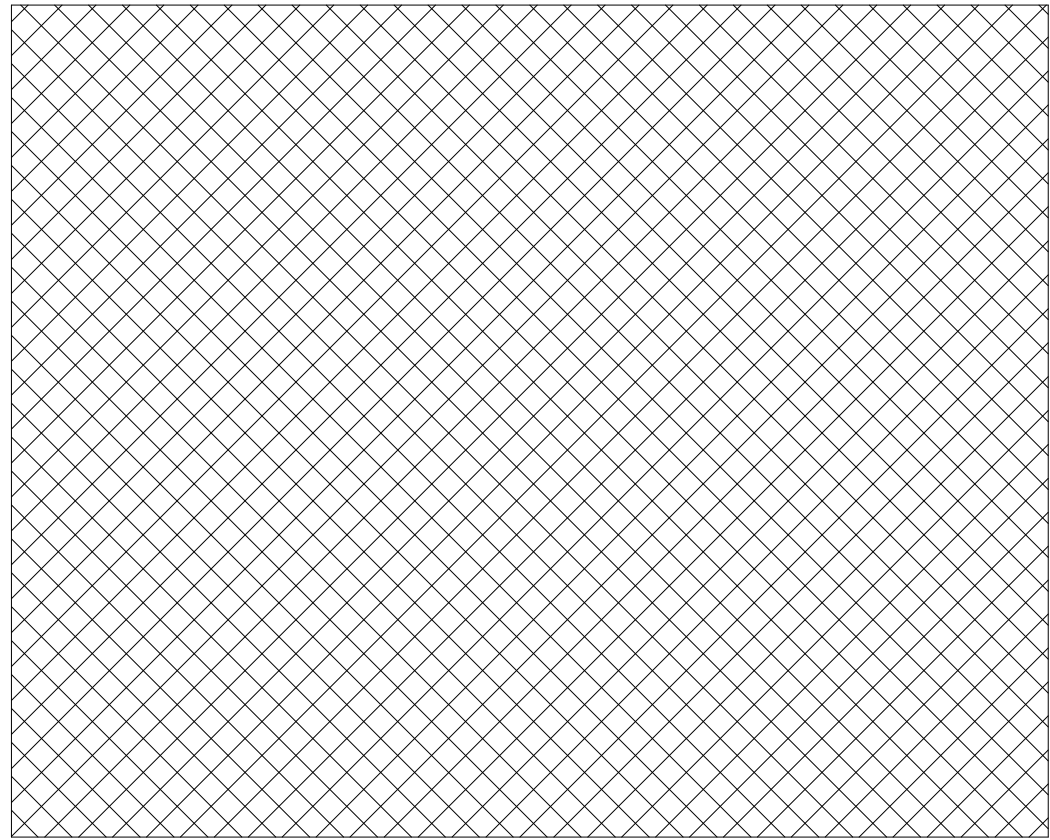
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**Potter
Lawson**

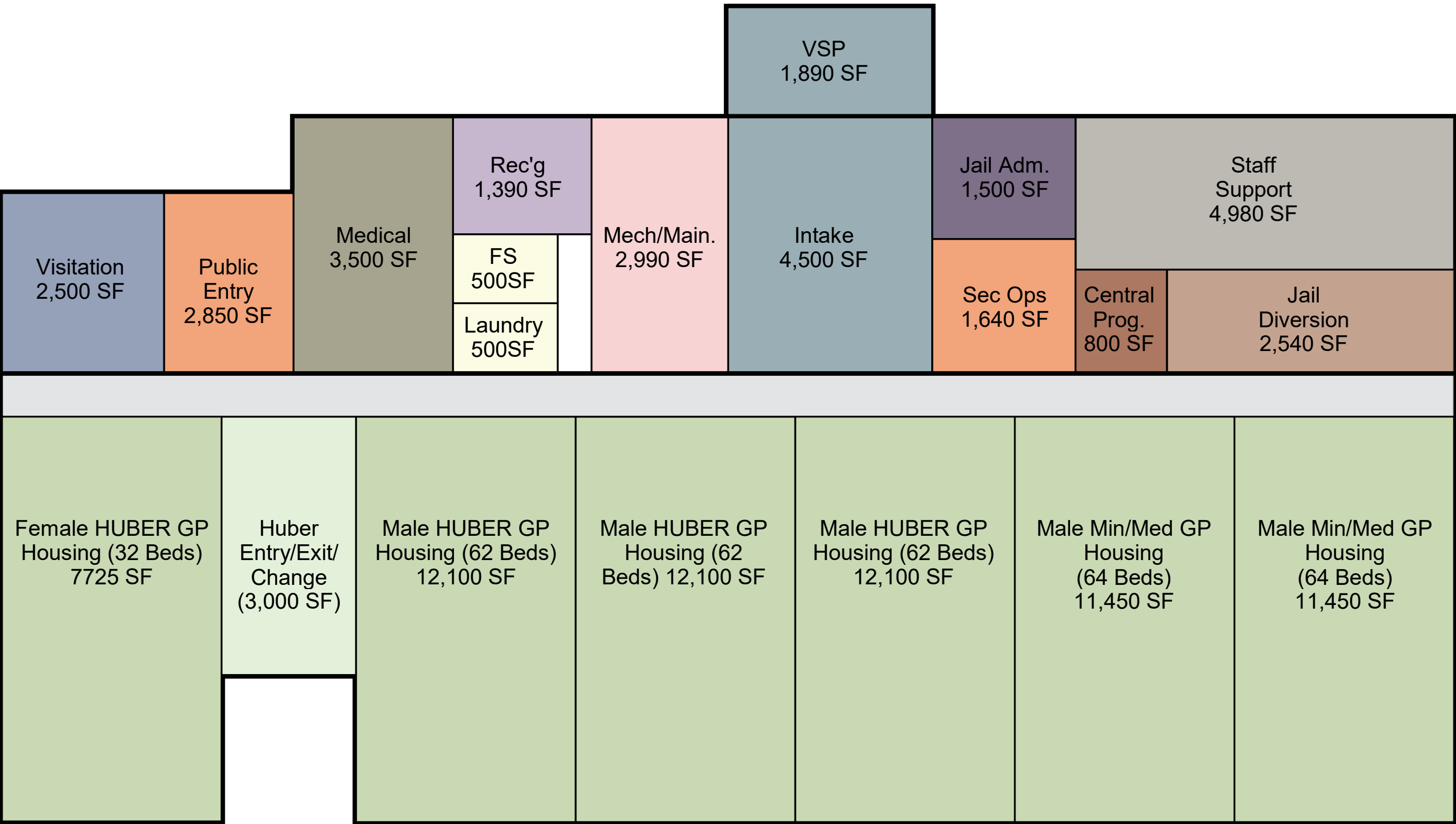
Success by Design



Second Floor
43,920 GSF



Surface parking for
75 vehicles -
22,500 SF



First Floor
89,310 GSF

12 acre property required for site
work and parking requirements

APPENDIX 3

**PSB RENOVATION &
GREENFIELD SITE
OPTION**

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PSB Renovation & Greenfield Site Option

1. Design Overview

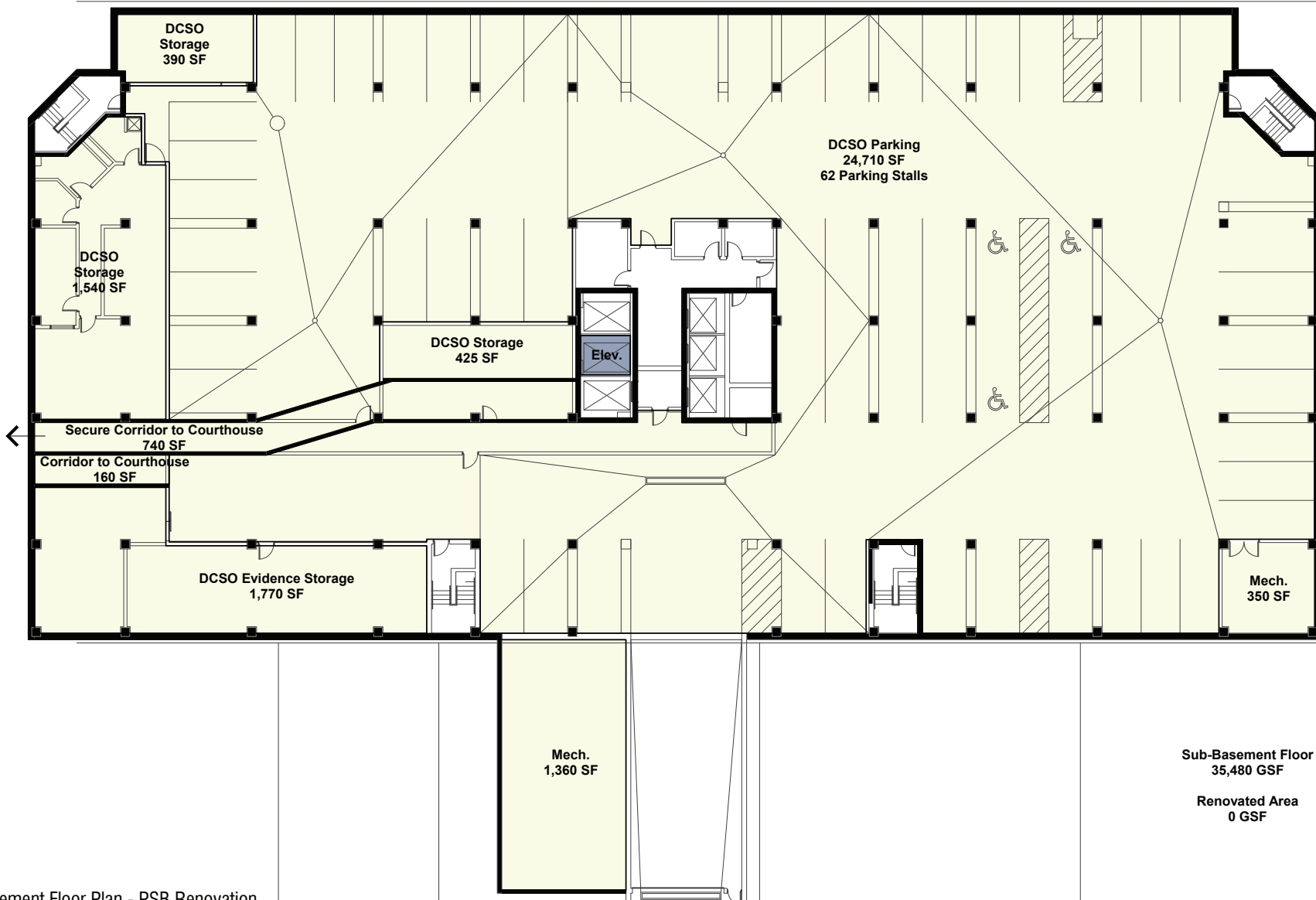
A. Partial Renovation of the Public Safety Building (PSB) to house Huber inmates and services.

- 1) Sub-basement Floor: No renovation work except for new elevator being added in one of the existing empty shafts.
- 2) Basement Floor: At Inmate Property Storage, the inmate property storage conveyor equipment/system will need to be replaced. Use a \$250,000 allowance for replacing this equipment in the existing space.
- 3) The Staff Support area in the basement will be renovated to create a centralized food tray prep and scullery area.
- 4) First Floor: An assumption has been made during this Study that First Floor construction includes 50% renovation of the Visitation Area and 70% renovation to the Intake/Release Area.
- 5) The Medical Services Area will be renovated into Jail Diversion space.
- 6) Jail Administration area will be renovated into a new Huber Entry/Exit/Change area.
- 7) 2nd Floor: Work include repurpose of EOC area for Sheriff's Office functions and 10% renovation of overall floor. With MEP work on the 3rd floor, the Sheriff's Office staff will need to be temporarily relocated during the construction work to provide access to the ceiling space.
- 8) Air Handling systems and plumbing systems in PSB will need to be replaced.
- 9) 3rd Floor: Partial renovation as shown on attached floor plan. Inmate Visitation has been added to the floor.
- 10) 4th Floor: Work includes complete renovation as shown on attached floor plan. Inmate Visitation has been added to the floor.
- 11) Remove exterior face brick and CMU back-up. Provide commercial grade curtainwall system with security mesh to provide natural light to dayroom and exterior exercise areas. The red line on plans delineate locations along the exterior walls where exterior window updates will be required.
- 12) An allowance was provided in the estimate for skylights above 4th floor housing areas.
- 13) Add additional space on each side of the existing Penthouse to accommodate new air handling system.
- 14) Mechanical Penthouse: Air-handler Units to be replaced. Currently more than 25 years old and reaching life-expectancy. New chillers to be located on the existing roof outside of the Mechanical Penthouse.

B. Create a new facility on a County owned or purchased site for housing medium/maximum Security Level Inmates including medical and mental health housing and services.

- 1) Vehicle sally port provided for transport of inmates.
- 2) Provide 125 surface parking spaces and drive to the vehicle sally port.
- 3) No female housing at the facility in this option. They would be located in the renovated PSB.
- 4) Provide upper level circulation system, stairs and elevators to access visitation to and from each housing unit.

- C. Vacate 6th and 7th floors of the CCB
- D. Vacate the Ferris Huber Center: cost of demolition is included in cost estimate section.
- E. Decommission and/or limited demolition cost of CCB after it is vacated may include removing cells/bars, removing/capping plumbing fixtures, and hazardous material abatement).



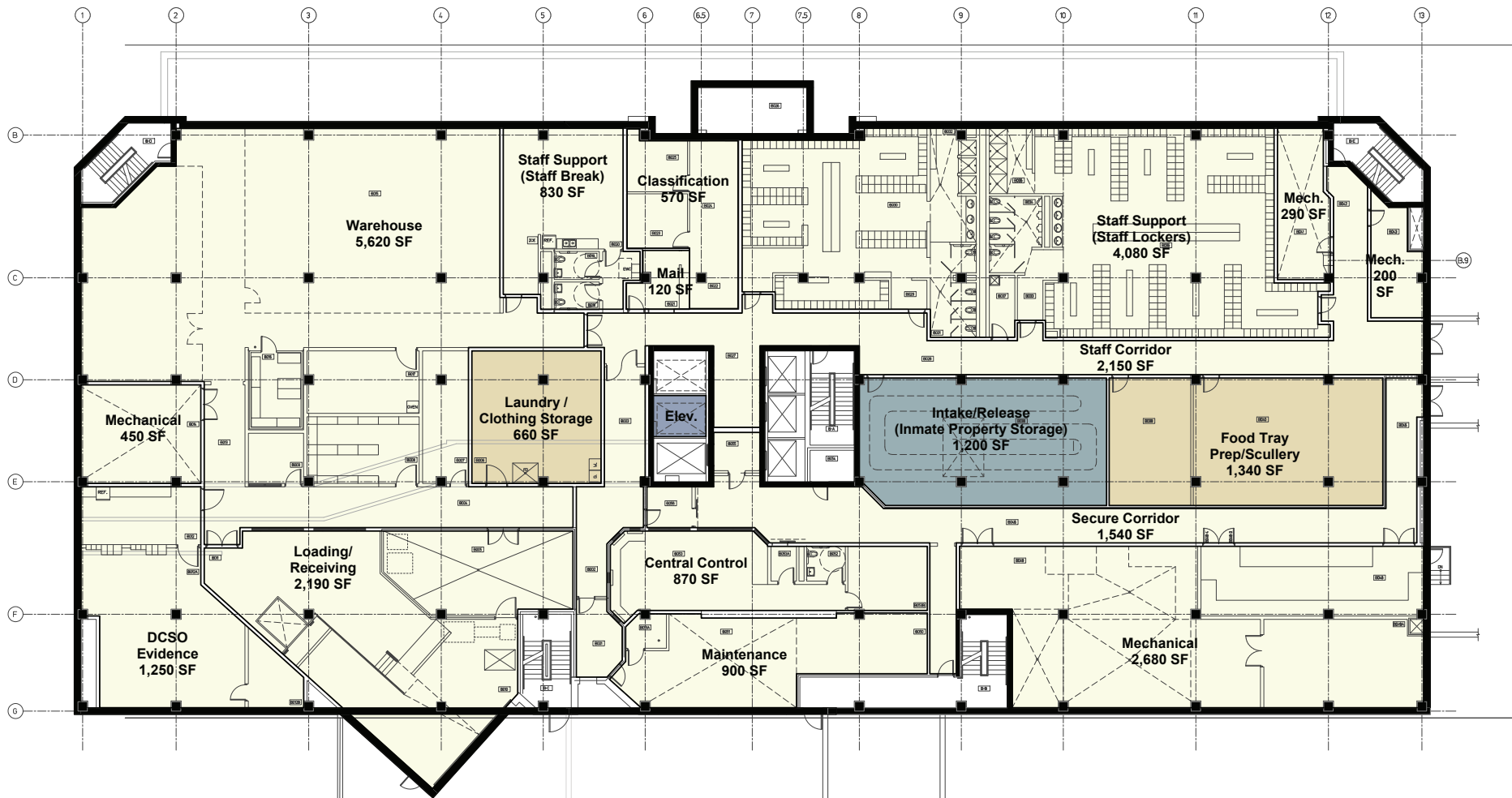
Sub-Basement Floor
35,480 GSF

Renovated Area
0 GSF

Sub-Basement Floor Plan - PSB Renovation

DCJ Consolidation - PSB Renovation & Greenfield Site Option
April 2019

0' 4' 8' 16'

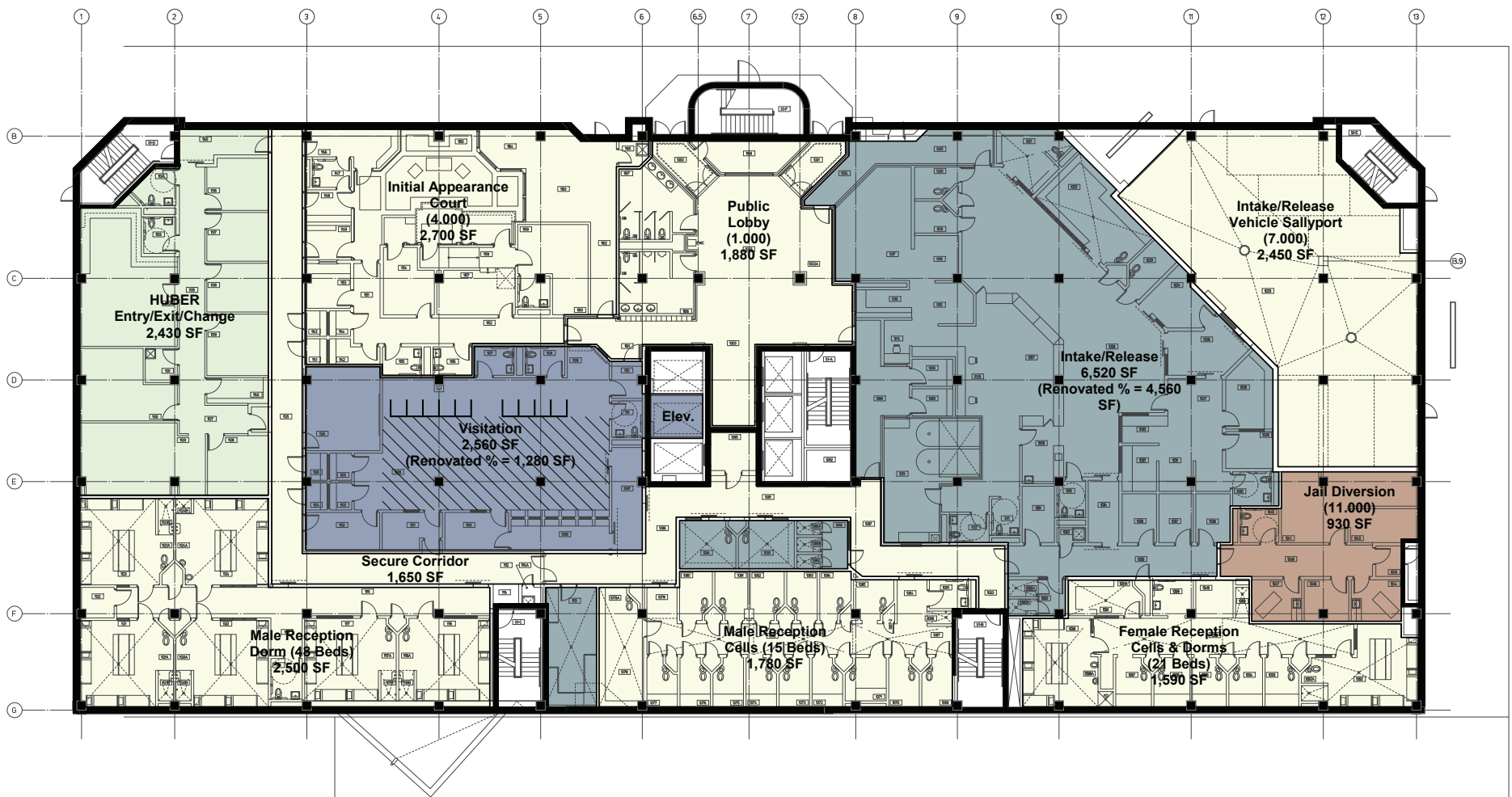


Basement Floor
31,070 GSF

Renovated Area
3,200 GSF

Basement Floor Plan - PSB Renovation
DCJ Consolidation - PSB Renovation & Greenfield Site Option
April 2019

0' 4' 8' 16'



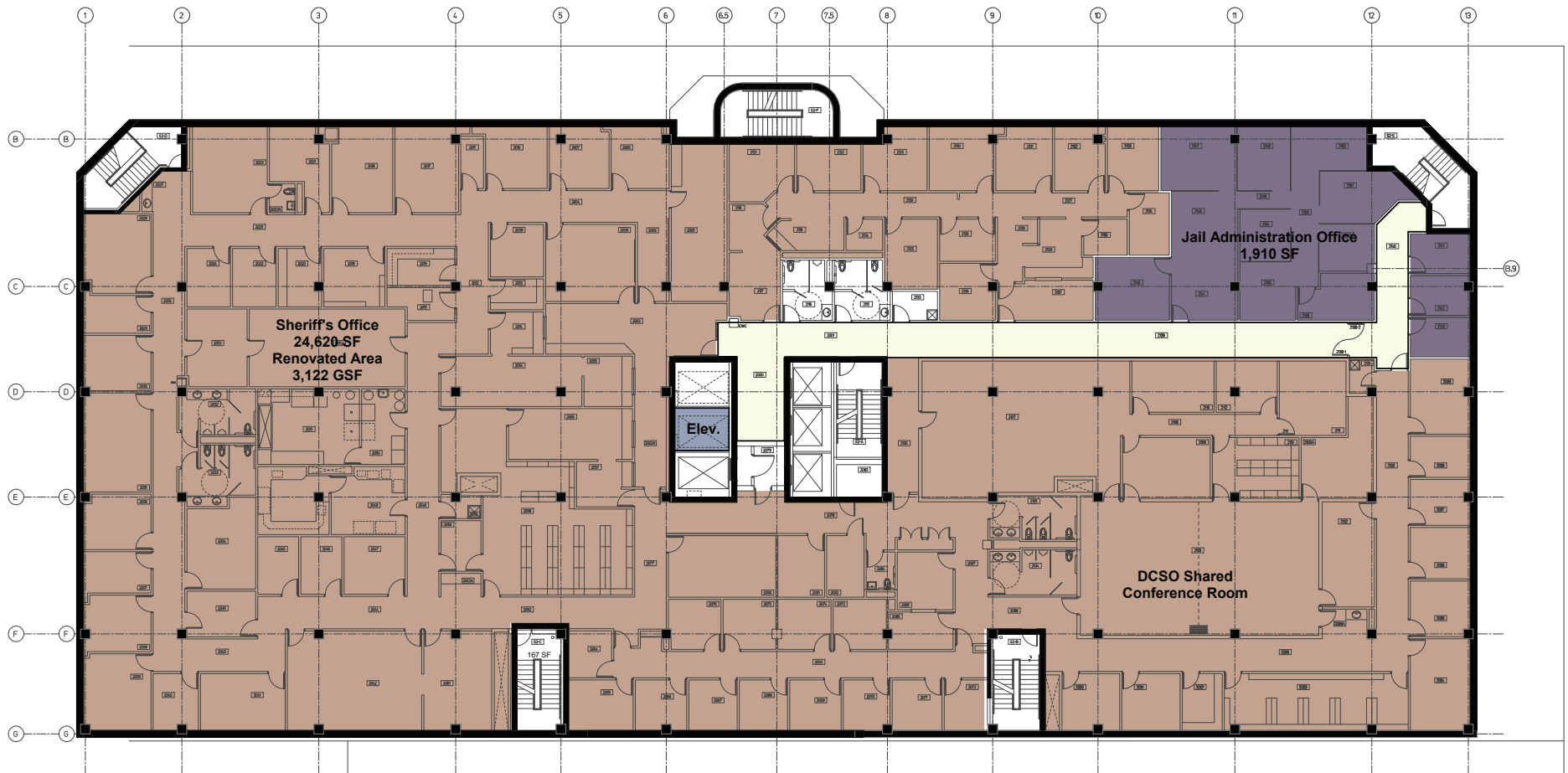
First Floor
30,960 GSF

Renovated Area
9,200 GSF

First Floor Plan - PSB Renovation

DCJ Consolidation - PSB Renovation & Greenfield Site Option
April 2019

0' 4' 8' 16'



Second Floor
31,220 GSF

Renovated Area
3,122 GSF

Second Floor Plan - PSB Renovation

DCJ Consolidation - PSB Renovation & Greenfield Site Option
April 2019

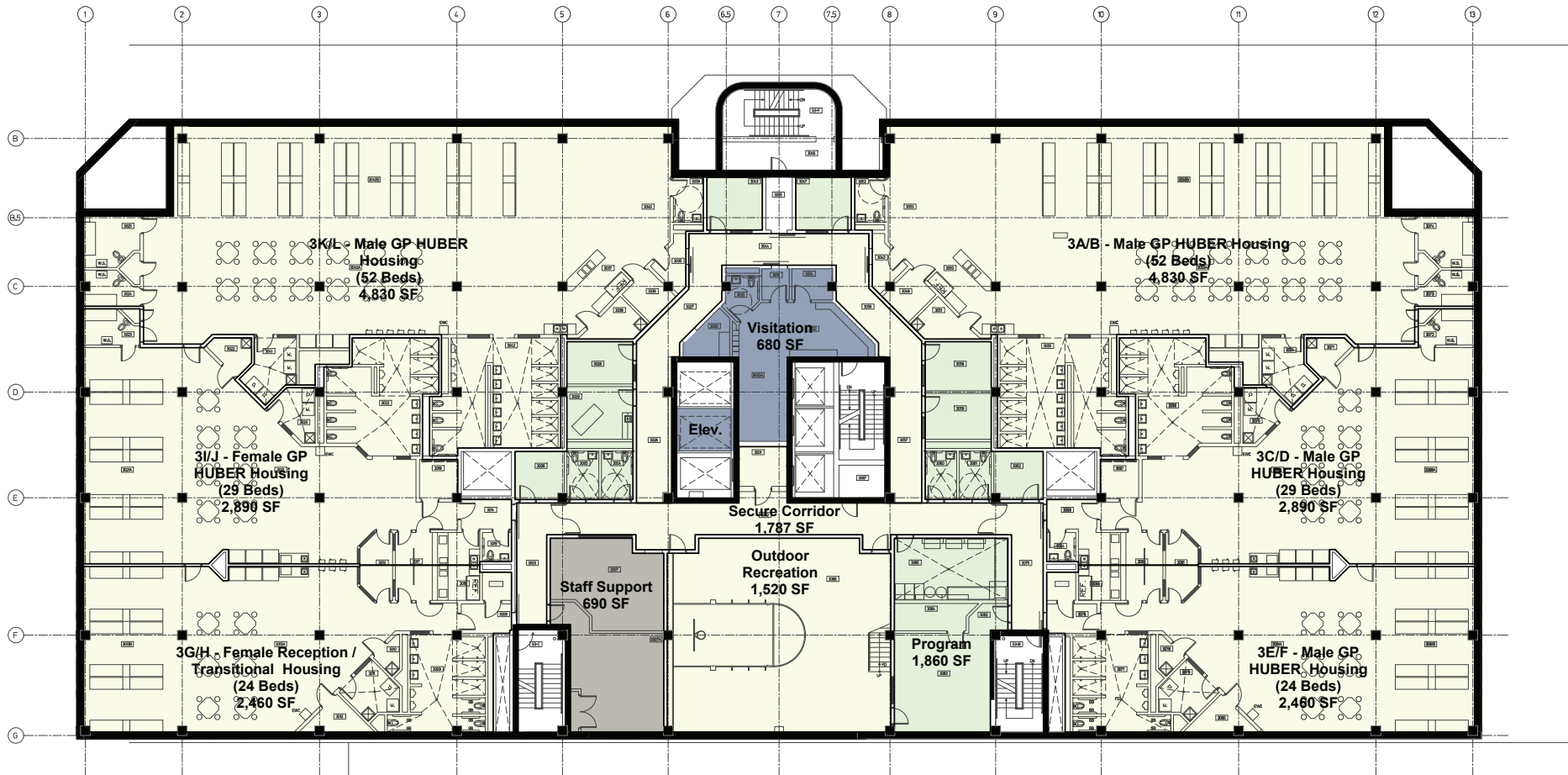
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& Hunt

HR

Potter
Lawson

Success by Design



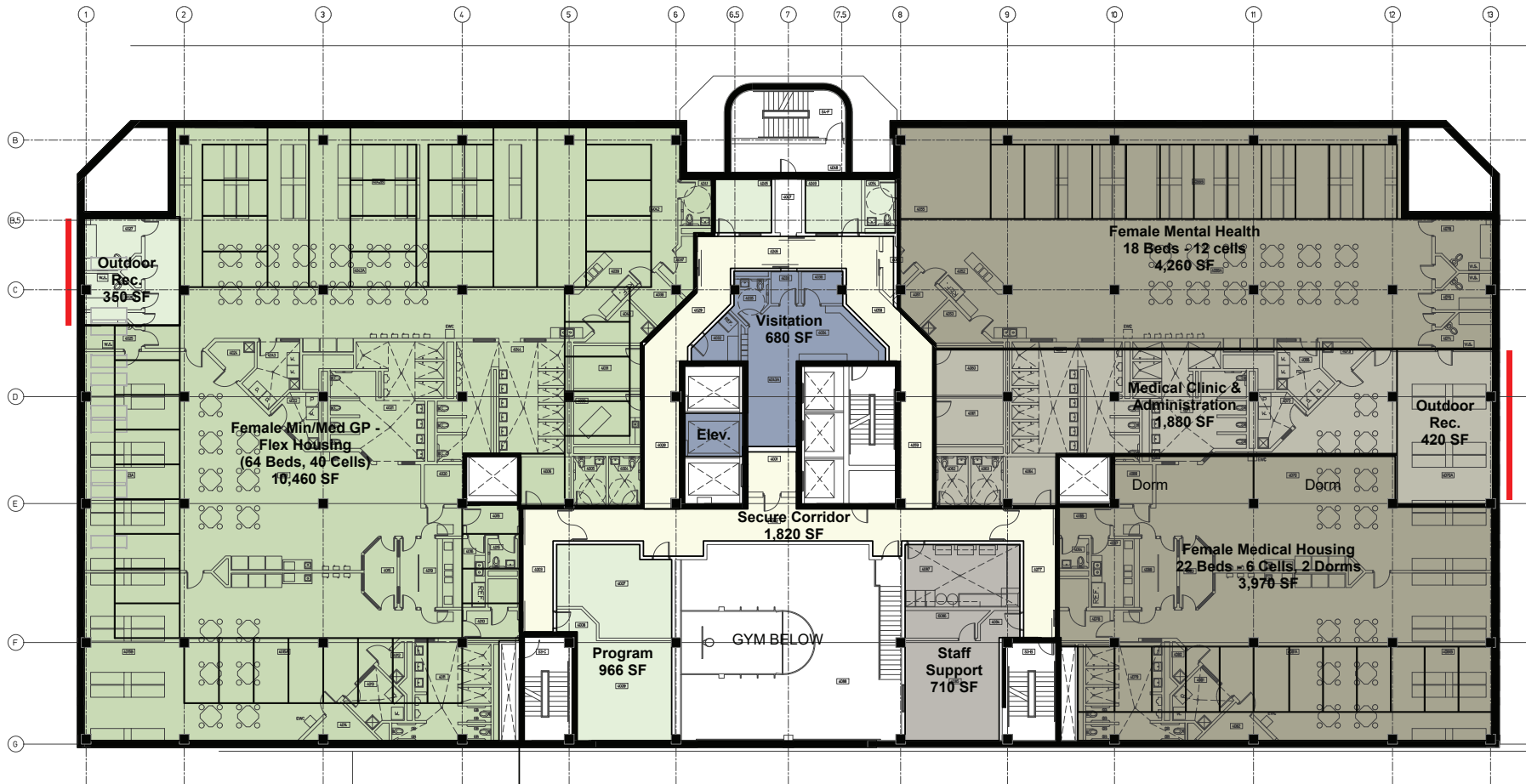
Third Floor
30,650 GSF

Renovated Area
3,230 GSF

Third Floor Plan - PSB Renovation

DCJ Consolidation - PSB Renovation & Greenfield Site Option
April 2019

0' 4' 8' 16'



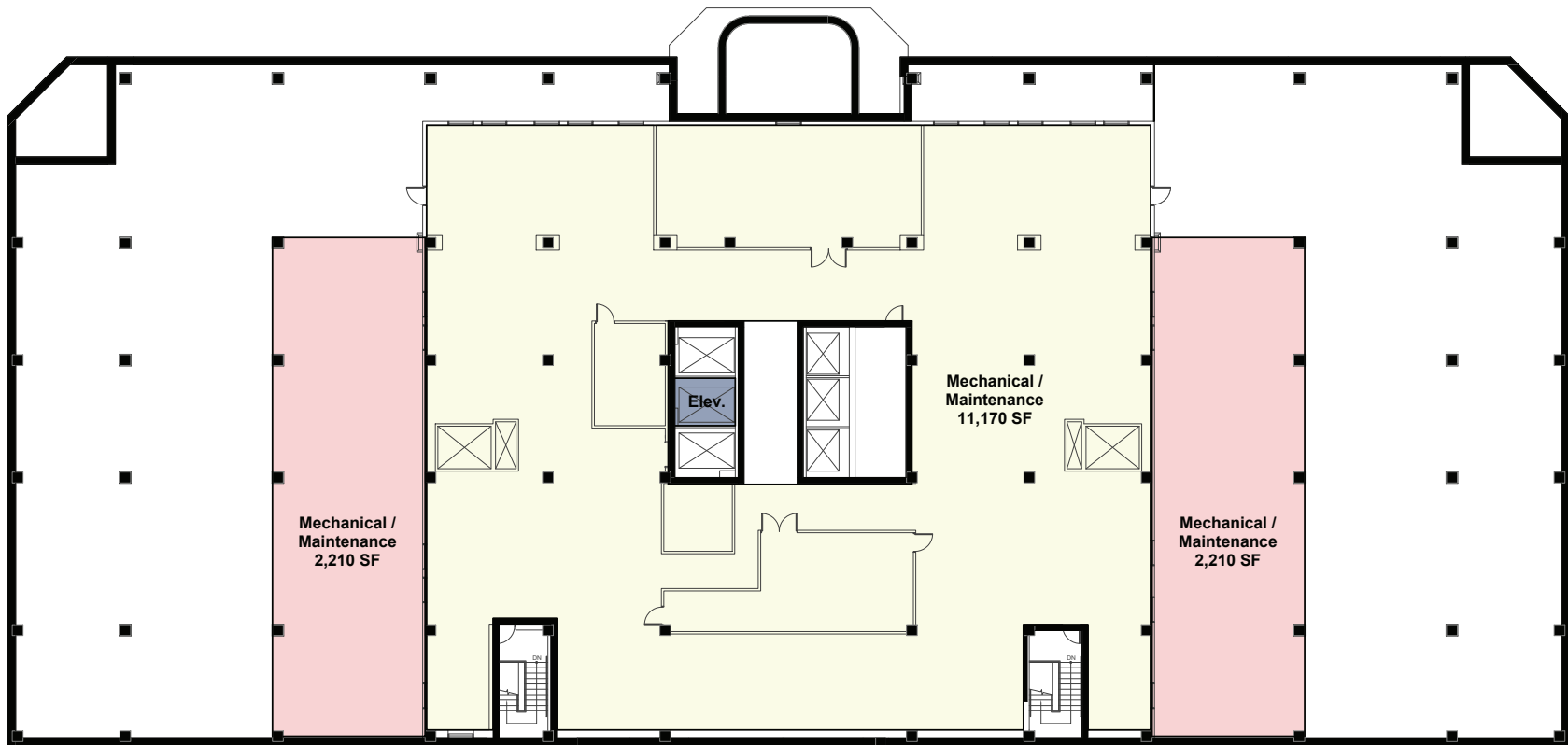
Fourth Floor
30,650 GSF

Renovated Area
30,650 GSF

Fourth Floor Plan - PSB Renovation

DCJ Consolidation - PSB Renovation & Greenfield Site Option
April 2019

0' 4' 8' 16'



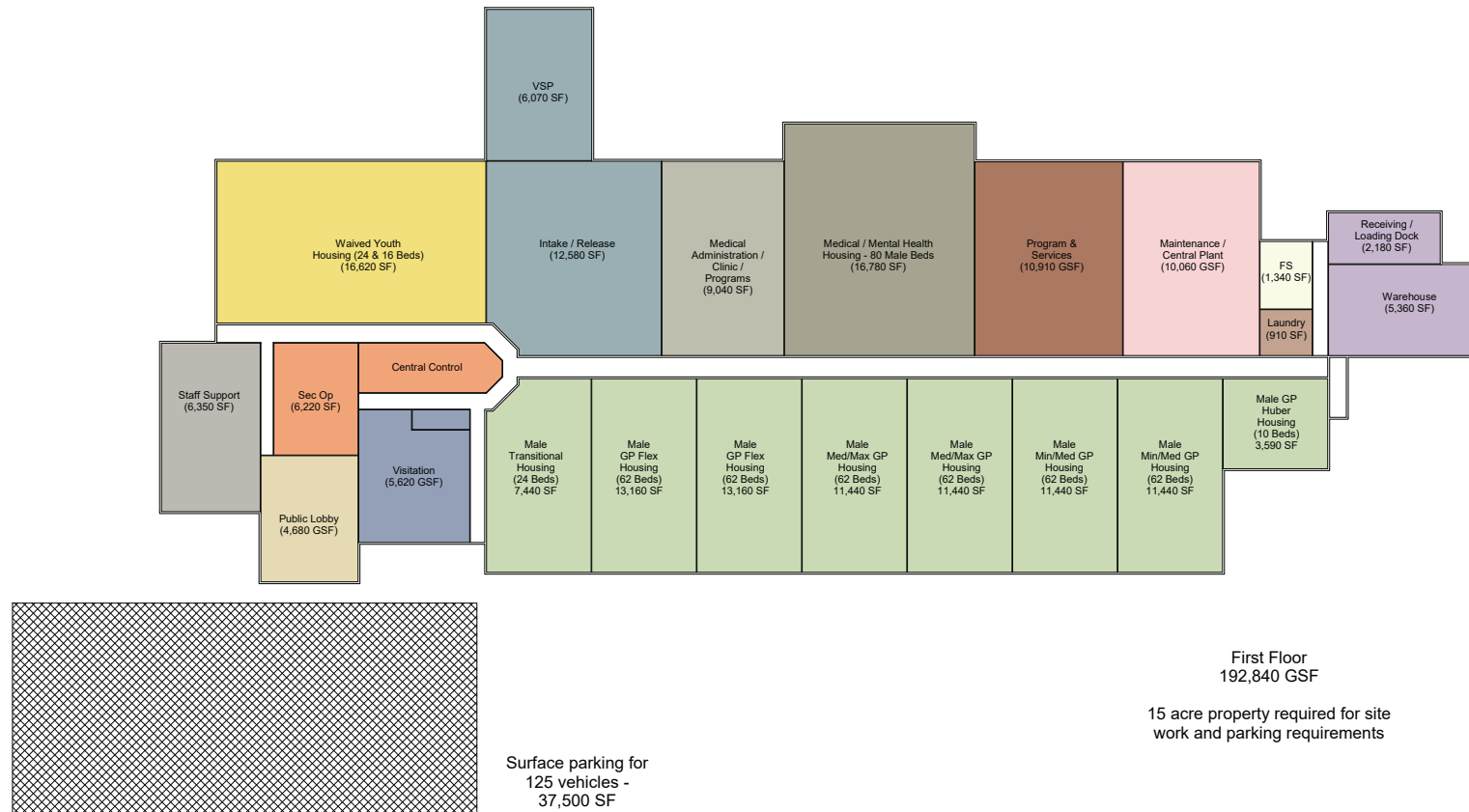
Fifth Floor
17,510 GSF

Renovated Area
13,090 GSF

Fifth Floor Plan - PSB Renovation

DCJ Consolidation - PSB Renovation & Greenfield Site Option
April 2019

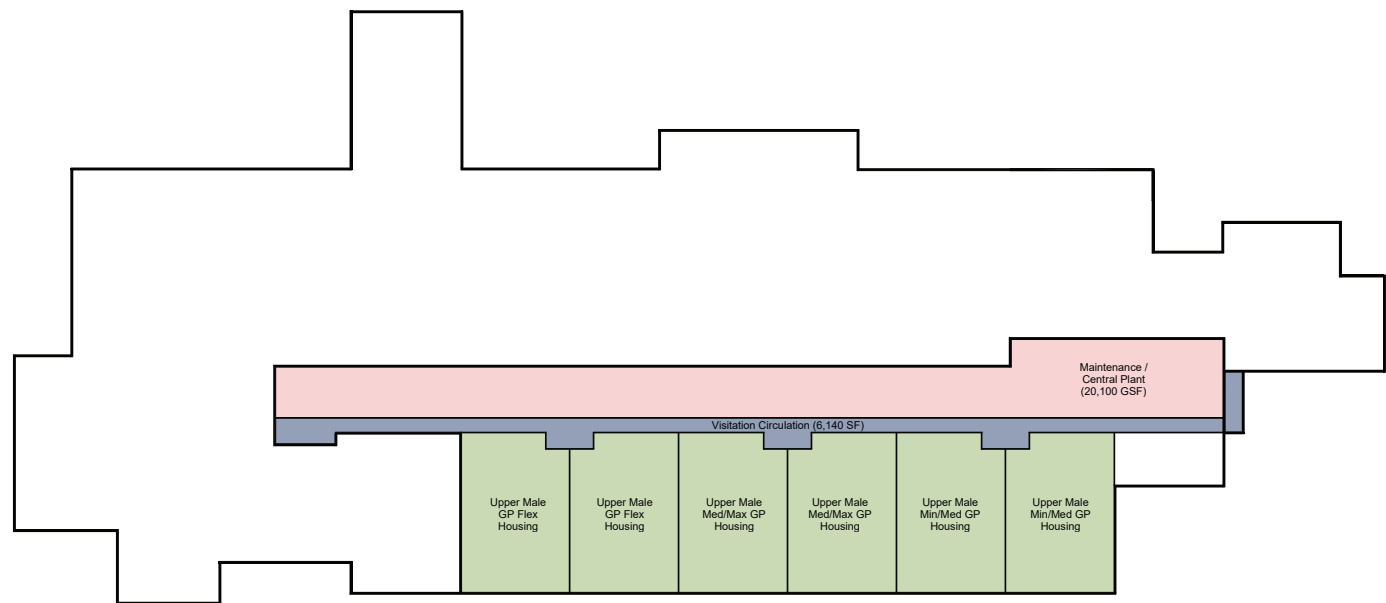
0' 4' 8' 16'



First Floor Plan - Greenfield

DCJ Consolidation - PSB Renovation & Greenfield Site Option
April 2019

0' 30' 60'



Second Floor
63,550 GSF

Second Floor Plan - Greenfield

DCJ Consolidation - PSB Renovation & Greenfield Site Option
April 2019

0' 30' 60'

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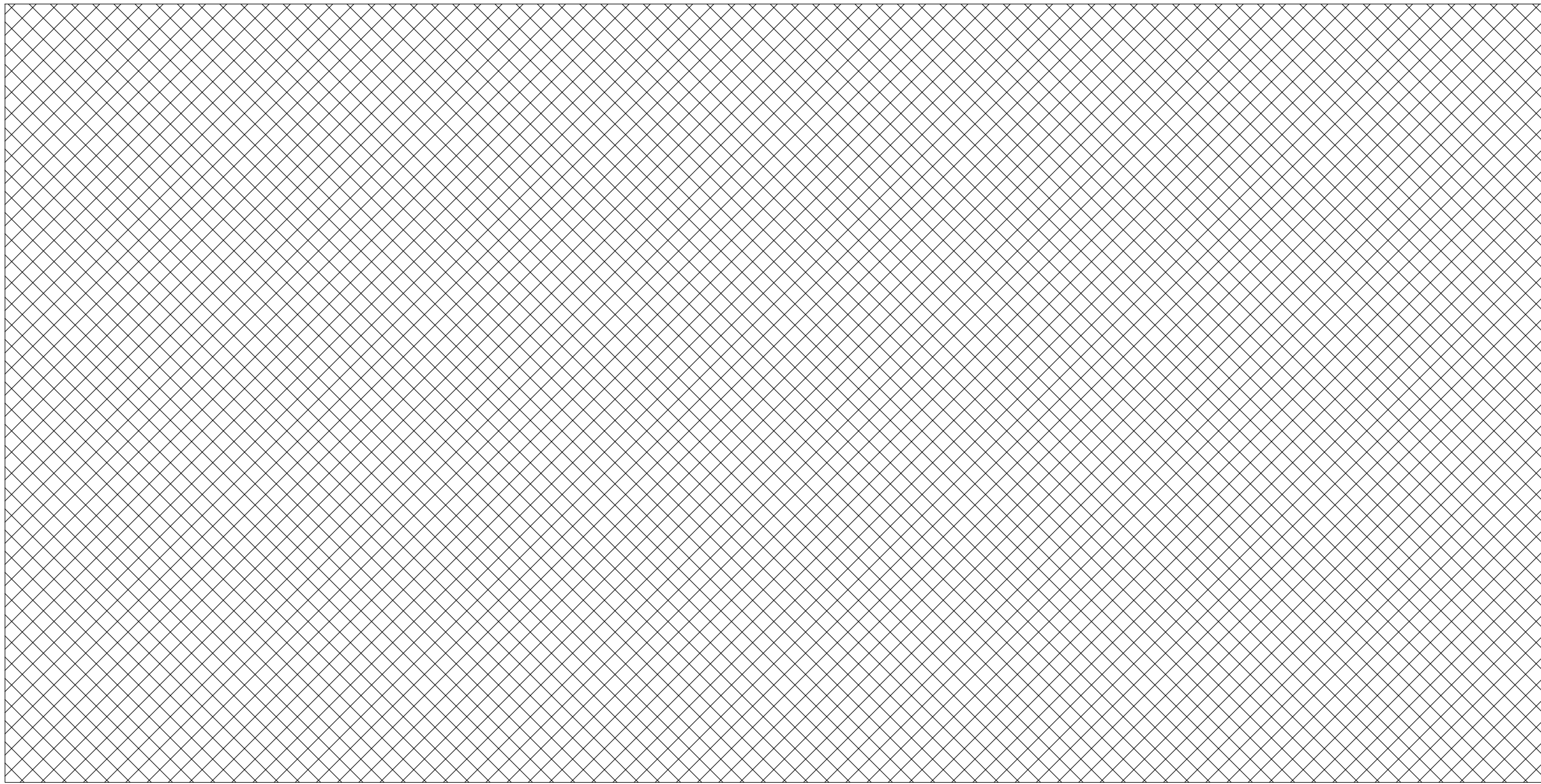
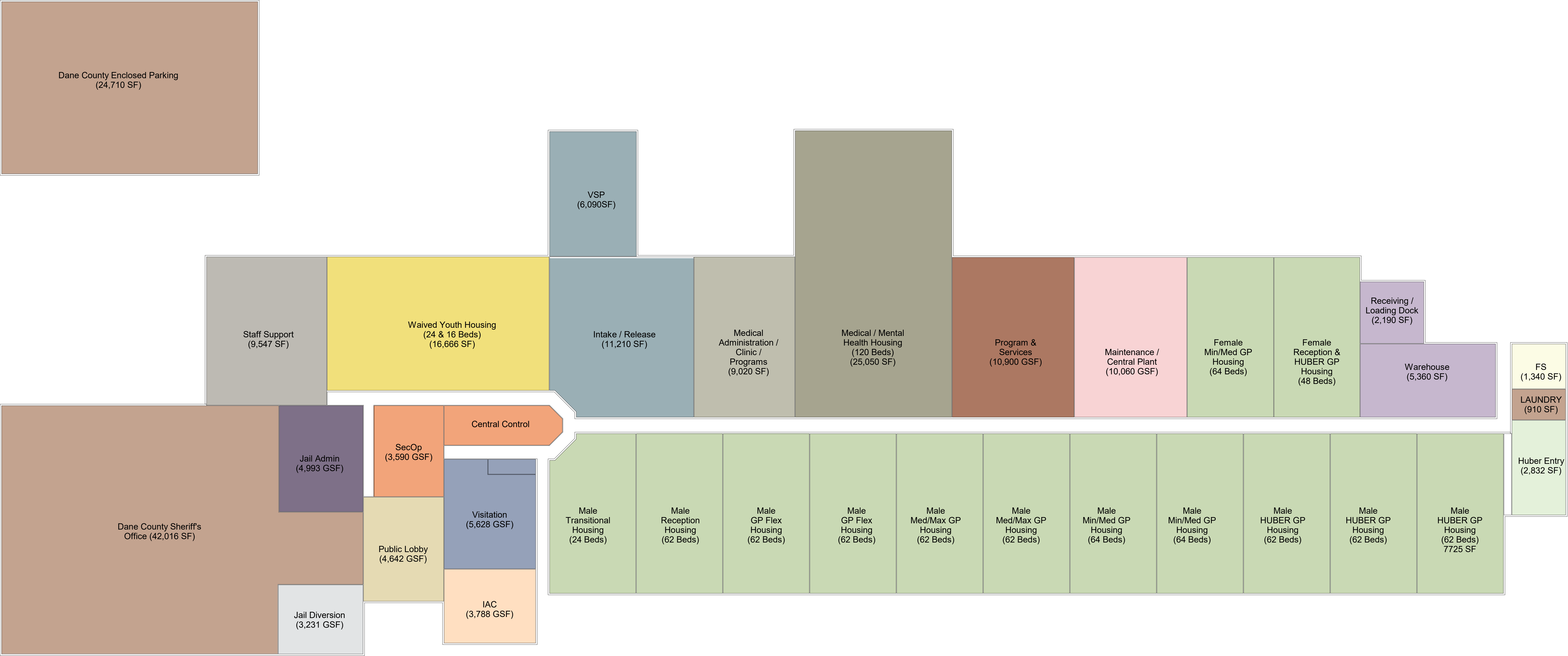
APPENDIX 4
ALL GREENFIELD
SITE OPTION

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All Greenfield Site Option

1. Design Overview
 - A. Build a single consolidated jail (minimum, medium, maximum, medical and mental health and Huber Work Release Housing on a County owned or purchased site.
 - 1) Provide 250 surface parking spaces and a 24,700 GSF garage for DCSO vehicles
 - 2) Provide upper level circulation system, stairs, and elevators for getting visitation to and from each housing unit.
 - B. Repurpose or sell the PSB
 - 1) Under separate work, the County would investigate the repurpose and renovation of the building for County offices. The alternate would be to sell the property for commercial/residential development.
 - C. Vacate 6th and 7th floors of the CCB
 - 1) Work to repurpose vacated 6th and 7th floors not part of this option.
 - D. Vacate and demolish the Ferris Center.
 - E. Add a sally port at the existing Courthouse for inmate transport if PSB is sold for commercial or residential development. If PSB is repurposed by County, vehicle sally port would be provided in the sub-basement.

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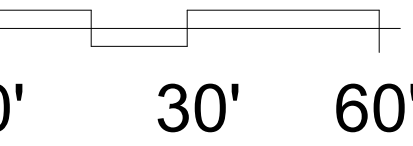


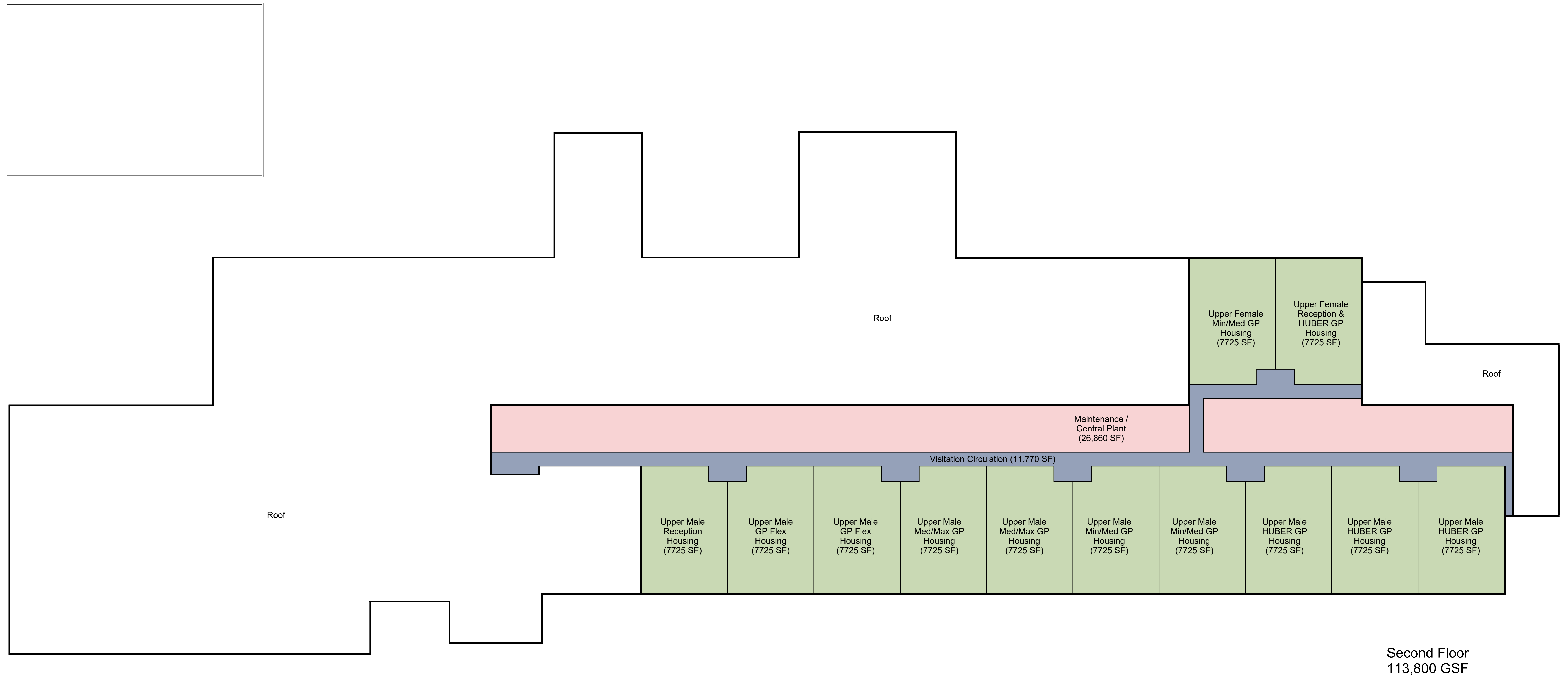
Surface parking for
250 vehicles -
75,000 SF

First Floor
303,010 GSF

20 acre property required for site
work and parking requirements

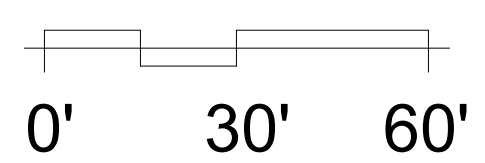
First Floor Plan - Greenfield
DCJ Consolidation - All Greenfield Site Option
April 2019





Second Floor
113,800 GSF

Second Floor Plan - Greenfield
DCJ Consolidation - All Greenfield Site Option
April 2019

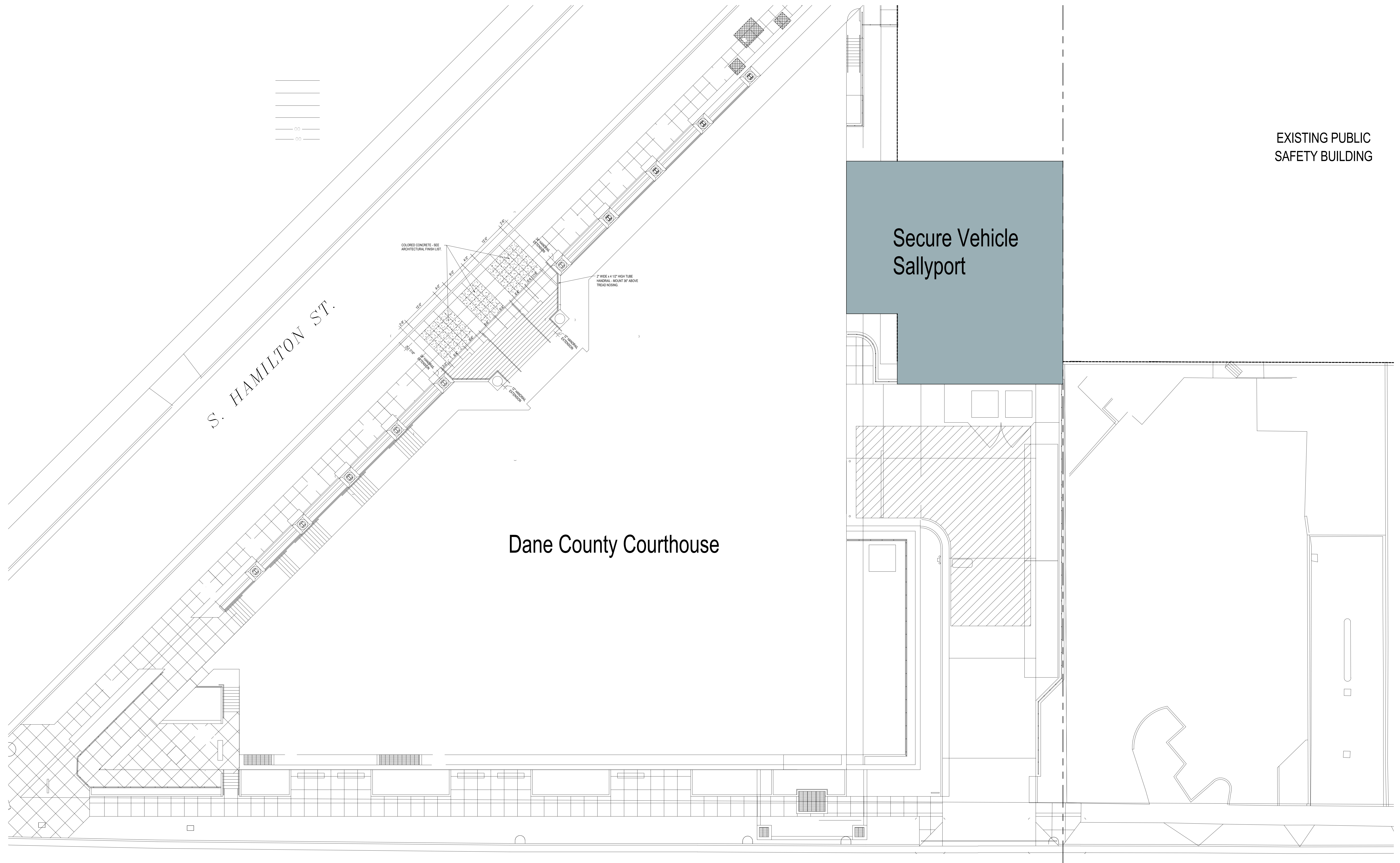


Mead
& Hunt

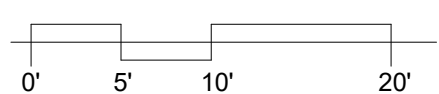
HR

Potter
Lawson

Success by Design



Courthouse Site Plan - Secure Vehicle Sallyport
 DCJ Consolidation - All Greenfield Site Option
 April 2019



**Mead
& Hunt**

HR

**Potter
Lawson**

Success by Design

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APPENDIX 5
PSB STRUCTURAL
INVESTIGATION
SYNOPSIS

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PSB Structural Investigation Synopsis

1. The HDR investigation revealed that the existing structure has multiple deficiencies that do not satisfy the current building code.
2. The International Existing Building Code (IEBC) permits addition without remediation if the gravity loads are not increased by more than 10 percent and the lateral load is not increased by more than twenty percent.
3. Completing the penthouse is acceptable because it satisfies the limits of the IEBC.
4. Constructing another level above the existing penthouse exceeds the permissiveness of the IEBC. Coupled with the identified structural deficiencies, it is not possible to construct additional levels without remediating the existing structure. As previously discussed, the cost and disruption created by remediating the existing structure will very likely not be acceptable.
5. ****Bottom line:** Build-out of the existing penthouse level is acceptable, but construction above the penthouse level is not acceptable.
6. The structural investigation of the existing Dane County Public Safety Building was based on the "Dane County Jail" drawings dated 10/14/92 and produced by Durrant Engineers Inc., supplemental drawings issued by Durrant Engineers, Inc., and pertinent addenda information.
7. The existing structure is a cast-in-place concrete pan joist system with concrete columns supported by shallow concrete spread footings. The lateral-load-resisting system for wind and seismic loads is a concrete moment frame with the beams rigidly connected to the columns. Resistance to lateral forces is provided by rigid frame action – that is, by the development of bending moments and vertical shear forces in the frame members and joints.
8. The investigation of the existing structure considered build-out for occupancy at the existing 5th Level, an occupied 6th Level, and mezzanine cell configurations on the 7th and 8th Levels. The 9th Level represents the Roof Level in the analysis model. Future construction was modeled as a steel moment frame with a "lightweight" exterior façade (e.g. metal panel or curtainwall system).
9. Based on application of the current building code requirements, the following issues were uncovered:
 - A. Several columns at multiple levels exceed an acceptable interaction (i.e. utilization) ratio of 1.0. The overloaded columns at the upper levels have interaction ratios that range from of 1.03 to 1.22 when subjected to combined gravity and lateral loading.
 - B. Several foundations exceed the allowable soil bearing pressure.
 - C. A significant number of the concrete beams aligned with the north-south column lines lack sufficient longitudinal top reinforcement at the interface with the columns.
 - D. These beams are identified as "joists" on the original drawings.
 - E. These beams are part of the lateral-load-resisting system for wind and seismic loads.
 - F. The longitudinal top reinforcement is deficient by as much as 50% to 60% of that required to resist the combined frame effects of gravity and lateral loads.
 - G. The concrete beams aligned with the north-south column lines lack sufficient (i.e. any) vertical shear reinforcement (i.e. stirrups) required to meet the code minimum.
 - H. Several of the concrete beams aligned with the east-west column lines lack sufficient longitudinal top reinforcement at the interface with the columns.
 - I. Detailing of the longitudinal top reinforcement per Addendum Sketch 1-62 is vague.

- J. Even with a somewhat liberal interpretation of the reinforcement detail, there are several concrete beams that lack sufficient longitudinal top reinforcement.
- K. The recommended horizontal displacement (i.e. drift) of a structure is limited to the story height divided by 400. (Translation: a drift ratio for service-level wind loads of less than 0.0036.) Based on the three-dimensional analysis, it appears that the structure will experience drifts near or in excess of the recommended limits at several of the levels with the full build-out.
- L. As a result of the in-depth structural evaluation, construction on top of the existing Dane County Public Safety Building is not recommended.

APPENDIX 6

ALTERNATIVE DESIGN

OPTIONS

COST ESTIMATES

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BUILDING
MORE THAN
BUILDINGS®

CONCEPTUAL ESTIMATE

Dane County Jail Consolidation

Dane County Department of Public Works, Highway & Transportation
Madison, Wisconsin

April 2019



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Gilbane
CONCORD
GROUP

April 2019

Mr. Scott Carlson, PE, CEM
Project Manager
Dane County Department of Public Works, Highway & Transportation
1919 Alliant Energy Center Way
Madison, WI 53713

RE: Conceptual Estimate – Dane County Jail Consolidation Alternative Design Options

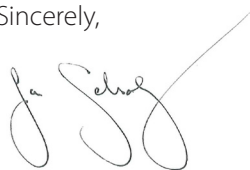
Dear Mr. Carlson,

Please see our comprehensive cost summary for the four different Dane County Jail options. The cost summaries are as follows:

› PSB RENOVATION & SOUTH TOWER ADDITION	\$148,020,093
› CCB & PSB RENOVATION & GREENFIELD SITE	\$164,503,961
› PSB RENOVATION & GREENFIELD SITE	\$161,080,121
› ALL GREENFIELD SITE & COURTHOUSE SALLY PORT	\$220,409,238

As a reminder, Gilbane's construction management philosophy is to protect the best interests of our clients across the board. You can count on our team to be proactive, trustworthy, reliable, responsive, transparent, and always provide solutions to issues that may arise. ***Gilbane has specialists for every stage of preconstruction and construction who will work tirelessly to earn and retain your trust, and deliver exceptional results for the County.***

Sincerely,



Jon Scholz
Senior Project Executive



Erik Lindstrom
Construction Executive

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EXCELLENCE

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Suite 2850
Chicago, IL 60603
312.424.0250 T
www.concord-cc.com

Dane County

Dane County Jail Consolidation Alternative Design Options

115 W. Doty St.
Madison, WI 53703

Conceptual Estimate

April 2019

Project: 2018B357

Prepared For:

Dane County Department of Public Works, Highway & Transportation
1919 Alliant Energy Center Way
Madison, WI 53713

NOTES REGARDING PREPARATION OF ESTIMATE

This estimate was prepared based on the following documents provided by Mead & Hunt:

1. DCJ Concept Design Pricing Package dated December 03, 2018.
2. DCJ Alternative Design Floor Plans dated April, 2019 received March 22, 2019.
3. DCJ Alternative Design Narrative dated April, 2019 received March 7, 2019.
4. DCJ Program Summary for Different Approaches dated February 20, 2019.
5. DCJ Alternative Design Schedule received March 7, 2019.
6. DCJ Bed Distribution for Different Approaches dated February 20, 2019.
7. Information regarding the project was also obtained via meetings, phone conversations, and email messages that clarified the project scope.

BIDDING PROCESS - MARKET CONDITIONS

This document is based on the measurement and pricing of quantities wherever information is provided and/or reasonable assumptions for other work not covered in the drawings or specifications, as stated within this document. Unit rates have been generated from current material/labor rates, historical production data, and discussions with relevant subcontractors and material suppliers. The unit rates reflect current bid costs in the area. All unit rates relevant to subcontractor work include the subcontractors overhead and profit unless otherwise stated.

Pricing reflects probable construction costs obtainable in the Madison, Wisconsin area on the bid date. This estimate is a determination of fair market value for the construction of this project. It is not a prediction of low bid. Pricing assumes competitive bidding for every portion of the construction work for all subcontractors with a minimum of 3 bidders for all items of subcontracted work and a minimum of 3 bidders for a general contractor. Experience indicates that a fewer number of bidders may result in higher bids, conversely an increased number of bidders may result in more competitive bids.

Since The Concord Group has no control over the cost of labor, material, equipment, or over the contractor's method of determining prices, or over the competitive bidding or market conditions at the time of bid, this statement of probable construction cost is based on industry practice, professional experience and qualifications, and represents The Concord Group's best judgment as professional construction cost consultants familiar with the construction industry. However, The Concord Group cannot and does not guarantee that the proposals, bids, or the construction cost will not vary from opinions of probable cost prepared by them.

ASSUMED CONSTRUCTION PARAMETERS

The pricing is based on the following project parameters:

1. South Tower Addition & PSB Renovation Option Schedule
New Construction: November 2020 to November 2022 (24 Months)
PSB Renovation: September 2022 to March 2024 (18 Months)
2. CCB & PSB Renovation & Greenfield Site Option Schedule
New Construction: April 2021 to October 2022 (18 Months)
CCB Renovation Phase 1: August 2022 to February 2024 (18 Months)
CCB Renovation Phase 2: June 2024 to June 2025 (12 Months)
PSB Renovation: April 2025 to October 2026 (18 Months)
3. PSB Renovation & Greenfield Site Option Schedule
New Construction: April 2021 to October 2022 (18 Months)
PSB Renovation: August 2022 to February 2024 (18 Months)
4. Greenfield Site Option Schedule
New Construction: April 2021 to April 2023 (24 Months)
5. The contract will be competitively bid to multiple contractors.
6. All contractors will be required to pay prevailing wages.
7. The contractors will have full access to the site during normal working hours
8. Estimate includes pricing as of March 2019.

EXCLUSIONS

The following are excluded from the cost of this estimate:

1. Premium Time / Restrictions on Contractor Working Hours
2. Finance and Legal Charges
3. Ferris Building Demolition (Allow \$740,000)
4. Environmental Abatement Costs at Ferris Building (Assumes Not Required)
5. Environmental Abatement Costs at PSB Building (Assumes Not Required)
6. Contaminated Soil Removal
7. Unsuitable Soil Removal
8. Deep Foundations
9. Lead and Radio Frequency Shielding
10. Temporary Facilities
11. Inmate Transportation & Relocations
12. Backfilling of Vacated Spaces
13. Storm Water Retention Tanks (Assumes On Site Ponds)
14. Temporary Swing Space
15. Land Acquisition
16. Moving Expenses
17. Operating Costs

COST SUMMARY - PSB RENOVATION & SOUTH TOWER ADDITION	GFA SF	\$/SF	BUILDING TOTAL
South Tower Addition & Associated Sitework	198,550	\$480.51	\$95,405,719
PSB Renovation & Associated Sitework	59,199	\$341.81	\$20,234,979
TOTAL ESTIMATED CONSTRUCTION COSTS	257,749	\$448.66	\$115,640,698
Owner Contingency	10.0%		\$11,564,070
Soft Costs	18.0%		\$20,815,326
TOTAL ESTIMATED PROJECT COSTS	257,749	\$574.28	\$148,020,093

South Tower Addition & PSB Renovation Option Schedule
 New Construction: November 2020 to November 2022 (24 Months)
 PSB Renovation: September 2022 to March 2024 (18 Months)

COST SUMMARY - CCB & PSB RENOVATION & GREENFIELD SITE	GFA SF	\$/SF	BUILDING TOTAL
Greenfield Site & Associated Sitework	133,230	\$432.01	\$57,556,285
CCB Renovation & Associated Sitework	80,990	\$415.23	\$33,629,788
PSB Renovation & Associated Sitework	89,552	\$416.88	\$37,332,646
TOTAL ESTIMATED CONSTRUCTION COSTS	303,772	\$423.08	\$128,518,719
Owner Contingency	10.0%		\$12,851,872
Soft Costs	18.0%		\$23,133,369
TOTAL ESTIMATED PROJECT COSTS	303,772	\$541.54	\$164,503,961

CCB & PSB Renovation & Greenfield Site Option Schedule
 New Construction: April 2021 to October 2022 (18 Months)
 CCB Renovation Phase 1: August 2022 to February 2024 (18 Months)
 CCB Renovation Phase 2: June 2024 to June 2025 (12 Months)
 PSB Renovation: April 2025 to October 2026 (18 Months)

COST SUMMARY - PSB RENOVATION & GREENFIELD SITE	GFA SF	\$/SF	BUILDING TOTAL
Greenfield Site & Associated Sitework	256,390	\$388.24	\$99,542,049
PSB Renovation & Associated Sitework	62,492	\$420.88	\$26,301,796
TOTAL ESTIMATED CONSTRUCTION COSTS	318,882	\$394.64	\$125,843,844
Owner Contingency	10.0%		\$12,584,384
Soft Costs	18.0%		\$22,651,892
TOTAL ESTIMATED PROJECT COSTS	318,882	\$505.14	\$161,080,121

PSB Renovation & Greenfield Site Option Schedule

New Construction: April 2021 to October 2022 (18 Months)

PSB Renovation: August 2022 to February 2024 (18 Months)

COST SUMMARY - ALL GREENFIELD SITE & COURTHOUSE SALLY PORT	GFA SF	\$/SF	BUILDING TOTAL
Greenfield Site & Associated Sitework	416,810	\$396.73	\$165,362,787
Courthouse Sally Port & Associated Sitework	4,000	\$412.25	\$1,648,985
Enclosed Vehicle Storage	24,710	\$209.75	\$5,182,945
TOTAL ESTIMATED CONSTRUCTION COSTS	445,520	\$386.50	\$172,194,717
Owner Contingency	10.0%		\$17,219,472
Soft Costs	18.0%		\$30,995,049
TOTAL ESTIMATED PROJECT COSTS	445,520	\$494.72	\$220,409,238

Greenfield Site Option Schedule

New Construction: April 2021 to April 2023 (24 Months)

COST SUMMARY		198,550 GSF	\$/SF	BUILDING TOTAL
A	SUBSTRUCTURE			
A100	FOUNDATIONS		\$12.36	\$2,453,156
A200	BASEMENTS		\$0.00	\$0
B	SHELL			
B100	SUPERSTRUCTURE		\$43.64	\$8,665,457
B200	EXTERIOR ENCLOSURE		\$34.78	\$6,905,580
B300	ROOFING		\$2.17	\$430,464
C	INTERIORS			
C100	INTERIOR CONSTRUCTION		\$36.71	\$7,288,235
C200	STAIRS		\$3.91	\$776,914
C300	INTERIOR FINISHES		\$11.99	\$2,381,061
D	SERVICES			
D100	CONVEYING		\$8.74	\$1,735,000
D200	PLUMBING		\$16.25	\$3,225,808
D300	HVAC		\$55.85	\$11,088,715
D400	FIRE PROTECTION		\$5.25	\$1,042,824
D500	ELECTRICAL		\$55.33	\$10,985,444
E	EQUIPMENT & FURNISHINGS			
E100	EQUIPMENT		\$3.02	\$600,000
E200	FURNISHINGS		\$0.00	\$0
F	SPECIAL CONSTRUCTION & DEMOLITION			
F100	SPECIAL CONSTRUCTION		\$38.78	\$7,700,000
F200	SELECTIVE BUILDING DEMOLITION		\$0.26	\$51,615
G	SITWORK			
G100	SITE PREPARATION		\$2.92	\$579,741
G200	SITE IMPROVEMENTS		\$2.62	\$519,841
G300	CIVIL & MECHANICAL UTILITIES		\$1.42	\$282,740
G400	SITE ELECTRICAL UTILITIES		\$0.63	\$125,000
G900	OTHER SITE CONSTRUCTION		\$0.00	\$0
Z100	GENERAL REQUIREMENTS		\$0.00	\$0
SUBTOTAL			\$336.63	\$66,837,594
Z201	DESIGN/CONSTRUCTION CONTINGENCY	15.0%	\$50.49	\$10,025,639
Z100	GENERAL CONDITIONS/BOND/INSURANCE	10.0%	\$38.71	\$7,686,323
Z106	CONTRACTOR'S FEES	4.0%	\$17.03	\$3,381,982
Z202	ESCALATION TO MID-POINT OF CONSTRUCTION	8.50%	\$37.64	\$7,474,181
TOTAL ESTIMATED CONSTRUCTION COSTS			\$480.51	\$95,405,719

COST SUMMARY		59,199 GSF	\$/SF	BUILDING TOTAL
A	SUBSTRUCTURE			
A100	FOUNDATIONS		\$0.00	\$0
A200	BASEMENTS		\$0.00	\$0
B	SHELL			
B100	SUPERSTRUCTURE		\$0.00	\$0
B200	EXTERIOR ENCLOSURE		\$0.00	\$0
B300	ROOFING		\$0.42	\$25,000
C	INTERIORS			
C100	INTERIOR CONSTRUCTION		\$41.51	\$2,457,201
C200	STAIRS		\$0.00	\$0
C300	INTERIOR FINISHES		\$17.16	\$1,016,015
D	SERVICES			
D100	CONVEYING		\$7.60	\$450,000
D200	PLUMBING		\$14.22	\$841,750
D300	HVAC		\$50.78	\$3,006,250
D400	FIRE PROTECTION		\$5.33	\$315,632
D500	ELECTRICAL		\$41.71	\$2,469,347
E	EQUIPMENT & FURNISHINGS			
E100	EQUIPMENT		\$0.00	\$0
E200	FURNISHINGS		\$0.00	\$0
F	SPECIAL CONSTRUCTION & DEMOLITION			
F100	SPECIAL CONSTRUCTION		\$16.89	\$1,000,000
F200	SELECTIVE BUILDING DEMOLITION		\$17.77	\$1,052,188
G	SITework			
G100	SITE PREPARATION		\$0.00	\$0
G200	SITE IMPROVEMENTS		\$0.00	\$0
G300	CIVIL & MECHANICAL UTILITIES		\$0.00	\$0
G400	SITE ELECTRICAL UTILITIES		\$0.00	\$0
G900	OTHER SITE CONSTRUCTION		\$0.00	\$0
Z100	GENERAL REQUIREMENTS		\$0.00	\$0
SUBTOTAL			\$213.41	\$12,633,383
Z201	DESIGN/CONSTRUCTION CONTINGENCY	15.0%	\$32.01	\$1,895,007
Z100	GENERAL CONDITIONS/BOND/INSURANCE	16.0%	\$39.27	\$2,324,542
Z106	CONTRACTOR'S FEES	4.0%	\$11.39	\$674,117
Z202	ESCALATION TO MID-POINT OF CONSTRUCTION	15.45%	\$45.74	\$2,707,929
TOTAL ESTIMATED CONSTRUCTION COSTS			\$341.81	\$20,234,979

COST SUMMARY		133,230	GSF	\$/SF	BUILDING TOTAL
A	SUBSTRUCTURE				
A100	FOUNDATIONS			\$9.79	\$1,304,061
A200	BASEMENTS			\$0.00	\$0
B	SHELL				
B100	SUPERSTRUCTURE			\$25.07	\$3,340,702
B200	EXTERIOR ENCLOSURE			\$23.25	\$3,097,360
B300	ROOFING			\$14.25	\$1,898,136
C	INTERIORS				
C100	INTERIOR CONSTRUCTION			\$25.95	\$3,457,399
C200	STAIRS			\$0.99	\$132,478
C300	INTERIOR FINISHES			\$12.42	\$1,654,327
D	SERVICES				
D100	CONVEYING			\$3.98	\$530,000
D200	PLUMBING			\$19.00	\$2,531,370
D300	HVAC			\$59.00	\$7,860,570
D400	FIRE PROTECTION			\$5.31	\$707,809
D500	ELECTRICAL			\$62.71	\$8,355,142
E	EQUIPMENT & FURNISHINGS				
E100	EQUIPMENT			\$2.25	\$300,000
E200	FURNISHINGS			\$0.00	\$0
F	SPECIAL CONSTRUCTION & DEMOLITION				
F100	SPECIAL CONSTRUCTION			\$32.46	\$4,325,000
F200	SELECTIVE BUILDING DEMOLITION			\$0.00	\$0
G	SITework				
G100	SITE PREPARATION			\$0.72	\$95,409
G200	SITE IMPROVEMENTS			\$8.68	\$1,156,434
G300	CIVIL & MECHANICAL UTILITIES			\$1.20	\$160,000
G400	SITE ELECTRICAL UTILITIES			\$0.53	\$70,000
G900	OTHER SITE CONSTRUCTION			\$0.00	\$0
Z100	GENERAL REQUIREMENTS			\$0.00	\$0
SUBTOTAL				\$307.56	\$40,976,199
Z201	DESIGN/CONSTRUCTION CONTINGENCY	15.0%		\$46.13	\$6,146,430
Z100	GENERAL CONDITIONS/BOND/INSURANCE	7.5%		\$26.53	\$3,534,197
Z106	CONTRACTOR'S FEES	4.0%		\$15.21	\$2,026,273
Z202	ESCALATION TO MID-POINT OF CONSTRUCTION	9.25%		\$36.58	\$4,873,187
TOTAL ESTIMATED CONSTRUCTION COSTS				\$432.01	\$57,556,285

COST SUMMARY		80,990 GSF	\$/SF	BUILDING TOTAL
A	SUBSTRUCTURE			
A100	FOUNDATIONS		\$2.08	\$168,662
A200	BASEMENTS		\$0.00	\$0
B	SHELL			
B100	SUPERSTRUCTURE		\$2.88	\$233,049
B200	EXTERIOR ENCLOSURE		\$19.83	\$1,606,374
B300	ROOFING		\$0.50	\$40,264
C	INTERIORS			
C100	INTERIOR CONSTRUCTION		\$24.17	\$1,957,801
C200	STAIRS		\$2.26	\$183,287
C300	INTERIOR FINISHES		\$15.45	\$1,251,111
D	SERVICES			
D100	CONVEYING		\$0.00	\$0
D200	PLUMBING		\$22.08	\$1,787,940
D300	HVAC		\$50.17	\$4,063,500
D400	FIRE PROTECTION		\$5.27	\$426,635
D500	ELECTRICAL		\$37.76	\$3,058,206
E	EQUIPMENT & FURNISHINGS			
E100	EQUIPMENT		\$2.10	\$170,000
E200	FURNISHINGS		\$0.00	\$0
F	SPECIAL CONSTRUCTION & DEMOLITION			
F100	SPECIAL CONSTRUCTION		\$48.15	\$3,900,000
F200	SELECTIVE BUILDING DEMOLITION		\$22.46	\$1,818,895
G	SITework			
G100	SITE PREPARATION		\$0.74	\$59,584
G200	SITE IMPROVEMENTS		\$0.74	\$59,870
G300	CIVIL & MECHANICAL UTILITIES		\$0.00	\$0
G400	SITE ELECTRICAL UTILITIES		\$0.00	\$0
G900	OTHER SITE CONSTRUCTION		\$0.00	\$0
Z100	GENERAL REQUIREMENTS		\$0.00	\$0
SUBTOTAL			\$256.64	\$20,785,178
Z201	DESIGN/CONSTRUCTION CONTINGENCY	15.0%	\$38.50	\$3,117,777
Z100	GENERAL CONDITIONS/BOND/INSURANCE	14.5%	\$42.79	\$3,465,928
Z106	CONTRACTOR'S FEES	4.0%	\$13.52	\$1,094,755
Z202	ESCALATION TO MID-POINT OF CONSTRUCTION	18.15%	\$63.79	\$5,166,150
TOTAL ESTIMATED CONSTRUCTION COSTS			\$415.23	\$33,629,788

COST SUMMARY		89,552 GSF	\$/SF	BUILDING TOTAL
A	SUBSTRUCTURE			
A100	FOUNDATIONS		\$0.00	\$0
A200	BASEMENTS		\$0.00	\$0
B	SHELL			
B100	SUPERSTRUCTURE		\$1.00	\$89,311
B200	EXTERIOR ENCLOSURE		\$8.20	\$734,422
B300	ROOFING		\$8.44	\$755,515
C	INTERIORS			
C100	INTERIOR CONSTRUCTION		\$34.76	\$3,112,859
C200	STAIRS		\$0.00	\$0
C300	INTERIOR FINISHES		\$14.87	\$1,331,768
D	SERVICES			
D100	CONVEYING		\$8.10	\$725,000
D200	PLUMBING		\$11.24	\$1,006,411
D300	HVAC		\$77.02	\$6,897,600
D400	FIRE PROTECTION		\$3.59	\$321,800
D500	ELECTRICAL		\$35.24	\$3,155,737
E	EQUIPMENT & FURNISHINGS			
E100	EQUIPMENT		\$4.80	\$430,000
E200	FURNISHINGS		\$0.00	\$0
F	SPECIAL CONSTRUCTION & DEMOLITION			
F100	SPECIAL CONSTRUCTION		\$25.13	\$2,250,000
F200	SELECTIVE BUILDING DEMOLITION		\$16.70	\$1,495,110
G	SITework			
G100	SITE PREPARATION		\$0.00	\$0
G200	SITE IMPROVEMENTS		\$0.00	\$0
G300	CIVIL & MECHANICAL UTILITIES		\$0.00	\$0
G400	SITE ELECTRICAL UTILITIES		\$0.00	\$0
G900	OTHER SITE CONSTRUCTION		\$0.00	\$0
Z100	GENERAL REQUIREMENTS		\$0.00	\$0
SUBTOTAL			\$249.08	\$22,305,534
Z201	DESIGN/CONSTRUCTION CONTINGENCY	15.0%	\$37.36	\$3,345,830
Z100	GENERAL CONDITIONS/BOND/INSURANCE	9.5%	\$27.21	\$2,436,880
Z106	CONTRACTOR'S FEES	4.0%	\$12.55	\$1,123,530
Z202	ESCALATION TO MID-POINT OF CONSTRUCTION	27.80%	\$90.68	\$8,120,873
TOTAL ESTIMATED CONSTRUCTION COSTS			\$416.88	\$37,332,646

COST SUMMARY		256,390 GSF	\$/SF	BUILDING TOTAL
A	SUBSTRUCTURE			
A100	FOUNDATIONS		\$10.30	\$2,639,821
A200	BASEMENTS		\$0.00	\$0
B	SHELL			
B100	SUPERSTRUCTURE		\$22.98	\$5,891,671
B200	EXTERIOR ENCLOSURE		\$20.35	\$5,218,560
B300	ROOFING		\$15.65	\$4,012,360
C	INTERIORS			
C100	INTERIOR CONSTRUCTION		\$30.12	\$7,721,600
C200	STAIRS		\$0.58	\$148,500
C300	INTERIOR FINISHES		\$12.50	\$3,205,594
D	SERVICES			
D100	CONVEYING		\$2.07	\$530,000
D200	PLUMBING		\$16.00	\$4,102,240
D300	HVAC		\$55.00	\$14,101,450
D400	FIRE PROTECTION		\$5.11	\$1,311,182
D500	ELECTRICAL		\$54.61	\$14,000,962
E	EQUIPMENT & FURNISHINGS			
E100	EQUIPMENT		\$1.95	\$500,000
E200	FURNISHINGS		\$0.00	\$0
F	SPECIAL CONSTRUCTION & DEMOLITION			
F100	SPECIAL CONSTRUCTION		\$25.55	\$6,550,000
F200	SELECTIVE BUILDING DEMOLITION		\$0.00	\$0
G	SITework			
G100	SITE PREPARATION		\$0.47	\$119,261
G200	SITE IMPROVEMENTS		\$5.53	\$1,416,871
G300	CIVIL & MECHANICAL UTILITIES		\$0.84	\$215,000
G400	SITE ELECTRICAL UTILITIES		\$0.72	\$185,000
G900	OTHER SITE CONSTRUCTION		\$0.00	\$0
Z100	GENERAL REQUIREMENTS		\$0.00	\$0
SUBTOTAL			\$280.32	\$71,870,073
Z201	DESIGN/CONSTRUCTION CONTINGENCY	15.0%	\$42.05	\$10,780,511
Z100	GENERAL CONDITIONS/BOND/INSURANCE	6.0%	\$19.34	\$4,959,035
Z106	CONTRACTOR'S FEES	4.0%	\$13.67	\$3,504,385
Z202	ESCALATION TO MID-POINT OF CONSTRUCTION	9.25%	\$32.87	\$8,428,045
TOTAL ESTIMATED CONSTRUCTION COSTS			\$388.24	\$99,542,049

COST SUMMARY		62,492 GSF	\$/SF	BUILDING TOTAL
A	SUBSTRUCTURE			
A100	FOUNDATIONS		\$0.00	\$0
A200	BASEMENTS		\$0.00	\$0
B	SHELL			
B100	SUPERSTRUCTURE		\$3.49	\$218,367
B200	EXTERIOR ENCLOSURE		\$7.93	\$495,872
B300	ROOFING		\$12.04	\$752,460
C	INTERIORS			
C100	INTERIOR CONSTRUCTION		\$31.86	\$1,991,164
C200	STAIRS		\$0.00	\$0
C300	INTERIOR FINISHES		\$13.93	\$870,757
D	SERVICES			
D100	CONVEYING		\$11.60	\$725,000
D200	PLUMBING		\$9.96	\$622,531
D300	HVAC		\$88.44	\$5,526,600
D400	FIRE PROTECTION		\$2.85	\$177,856
D500	ELECTRICAL		\$38.17	\$2,385,127
E	EQUIPMENT & FURNISHINGS			
E100	EQUIPMENT		\$8.00	\$500,000
E200	FURNISHINGS		\$0.00	\$0
F	SPECIAL CONSTRUCTION & DEMOLITION			
F100	SPECIAL CONSTRUCTION		\$20.80	\$1,300,000
F200	SELECTIVE BUILDING DEMOLITION		\$16.78	\$1,048,528
G	SITework			
G100	SITE PREPARATION		\$0.00	\$0
G200	SITE IMPROVEMENTS		\$0.00	\$0
G300	CIVIL & MECHANICAL UTILITIES		\$0.00	\$0
G400	SITE ELECTRICAL UTILITIES		\$0.00	\$0
G900	OTHER SITE CONSTRUCTION		\$0.00	\$0
Z100	GENERAL REQUIREMENTS		\$0.00	\$0
SUBTOTAL			\$265.86	\$16,614,262
Z201	DESIGN/CONSTRUCTION CONTINGENCY	15.0%	\$39.88	\$2,492,139
Z100	GENERAL CONDITIONS/BOND/INSURANCE	15.0%	\$45.86	\$2,865,960
Z106	CONTRACTOR'S FEES	4.0%	\$14.06	\$878,894
Z202	ESCALATION TO MID-POINT OF CONSTRUCTION	15.10%	\$55.22	\$3,450,540
TOTAL ESTIMATED CONSTRUCTION COSTS			\$420.88	\$26,301,796

COST SUMMARY		416,810 GSF	\$/SF	BUILDING TOTAL
A	SUBSTRUCTURE			
A100	FOUNDATIONS		\$9.70	\$4,041,734
A200	BASEMENTS		\$0.00	\$0
B	SHELL			
B100	SUPERSTRUCTURE		\$23.98	\$9,996,349
B200	EXTERIOR ENCLOSURE		\$17.50	\$7,293,360
B300	ROOFING		\$15.59	\$6,499,927
C	INTERIORS			
C100	INTERIOR CONSTRUCTION		\$28.99	\$12,083,875
C200	STAIRS		\$0.65	\$270,817
C300	INTERIOR FINISHES		\$14.18	\$5,912,414
D	SERVICES			
D100	CONVEYING		\$1.27	\$530,000
D200	PLUMBING		\$14.00	\$5,835,340
D300	HVAC		\$52.00	\$21,674,120
D400	FIRE PROTECTION		\$4.62	\$1,923,828
D500	ELECTRICAL		\$49.74	\$20,733,100
E	EQUIPMENT & FURNISHINGS			
E100	EQUIPMENT		\$1.44	\$600,000
E200	FURNISHINGS		\$0.00	\$0
F	SPECIAL CONSTRUCTION & DEMOLITION			
F100	SPECIAL CONSTRUCTION		\$43.37	\$18,075,000
F200	SELECTIVE BUILDING DEMOLITION		\$0.00	\$0
G	SITWORK			
G100	SITE PREPARATION		\$0.38	\$159,015
G200	SITE IMPROVEMENTS		\$4.95	\$2,062,678
G300	CIVIL & MECHANICAL UTILITIES		\$0.70	\$290,000
G400	SITE ELECTRICAL UTILITIES		\$0.66	\$275,000
G900	OTHER SITE CONSTRUCTION		\$0.00	\$0
Z100	GENERAL REQUIREMENTS		\$0.00	\$0
SUBTOTAL			\$283.72	\$118,256,556
Z201	DESIGN/CONSTRUCTION CONTINGENCY	15.0%	\$42.56	\$17,738,483
Z100	GENERAL CONDITIONS/BOND/INSURANCE	6.0%	\$19.58	\$8,159,702
Z106	CONTRACTOR'S FEES	4.0%	\$13.83	\$5,766,190
Z202	ESCALATION TO MID-POINT OF CONSTRUCTION	10.30%	\$37.05	\$15,441,856
TOTAL ESTIMATED CONSTRUCTION COSTS			\$396.73	\$165,362,787

COST SUMMARY		4,000	GSF	\$/SF	BUILDING TOTAL
A	SUBSTRUCTURE				
A100	FOUNDATIONS			\$0.00	\$0
A200	BASEMENTS			\$0.00	\$0
B	SHELL				
B100	SUPERSTRUCTURE			\$0.00	\$0
B200	EXTERIOR ENCLOSURE			\$0.00	\$0
B300	ROOFING			\$0.00	\$0
C	INTERIORS				
C100	INTERIOR CONSTRUCTION			\$0.00	\$0
C200	STAIRS			\$0.00	\$0
C300	INTERIOR FINISHES			\$0.00	\$0
D	SERVICES				
D100	CONVEYING			\$0.00	\$0
D200	PLUMBING			\$0.00	\$0
D300	HVAC			\$0.00	\$0
D400	FIRE PROTECTION			\$0.00	\$0
D500	ELECTRICAL			\$0.00	\$0
E	EQUIPMENT & FURNISHINGS				
E100	EQUIPMENT			\$0.00	\$0
E200	FURNISHINGS			\$0.00	\$0
F	SPECIAL CONSTRUCTION & DEMOLITION				
F100	SPECIAL CONSTRUCTION			\$0.00	\$0
F200	SELECTIVE BUILDING DEMOLITION			\$0.00	\$0
G	SITework				
G100	SITE PREPARATION			\$0.00	\$0
G200	SITE IMPROVEMENTS			\$250.00	\$1,000,000
G300	CIVIL & MECHANICAL UTILITIES			\$0.00	\$0
G400	SITE ELECTRICAL UTILITIES			\$0.00	\$0
G900	OTHER SITE CONSTRUCTION			\$0.00	\$0
Z100	GENERAL REQUIREMENTS			\$0.00	\$0
SUBTOTAL				\$250.00	\$1,000,000
Z201	DESIGN/CONSTRUCTION CONTINGENCY	15.0%		\$37.50	\$150,000
Z100	GENERAL CONDITIONS/BOND/INSURANCE	25.0%		\$71.88	\$287,500
Z106	CONTRACTOR'S FEES	4.0%		\$14.38	\$57,500
Z202	ESCALATION TO MID-POINT OF CONSTRUCTION	10.30%		\$38.50	\$153,985
TOTAL ESTIMATED CONSTRUCTION COSTS				\$412.25	\$1,648,985

COST SUMMARY		24,710 GSF	\$/SF	BUILDING TOTAL
A	SUBSTRUCTURE			
A100	FOUNDATIONS		\$0.00	\$0
A200	BASEMENTS		\$0.00	\$0
B	SHELL			
B100	SUPERSTRUCTURE		\$0.00	\$0
B200	EXTERIOR ENCLOSURE		\$0.00	\$0
B300	ROOFING		\$0.00	\$0
C	INTERIORS			
C100	INTERIOR CONSTRUCTION		\$0.00	\$0
C200	STAIRS		\$0.00	\$0
C300	INTERIOR FINISHES		\$0.00	\$0
D	SERVICES			
D100	CONVEYING		\$0.00	\$0
D200	PLUMBING		\$0.00	\$0
D300	HVAC		\$0.00	\$0
D400	FIRE PROTECTION		\$0.00	\$0
D500	ELECTRICAL		\$0.00	\$0
E	EQUIPMENT & FURNISHINGS			
E100	EQUIPMENT		\$0.00	\$0
E200	FURNISHINGS		\$0.00	\$0
F	SPECIAL CONSTRUCTION & DEMOLITION			
F100	SPECIAL CONSTRUCTION		\$0.00	\$0
F200	SELECTIVE BUILDING DEMOLITION		\$0.00	\$0
G	SITEWORK			
G100	SITE PREPARATION		\$0.00	\$0
G200	SITE IMPROVEMENTS		\$150.00	\$3,706,500
G300	CIVIL & MECHANICAL UTILITIES		\$0.00	\$0
G400	SITE ELECTRICAL UTILITIES		\$0.00	\$0
G900	OTHER SITE CONSTRUCTION		\$0.00	\$0
Z100	GENERAL REQUIREMENTS		\$0.00	\$0
SUBTOTAL			\$150.00	\$3,706,500
Z201	DESIGN/CONSTRUCTION CONTINGENCY	15.0%	\$22.50	\$555,975
Z100	GENERAL CONDITIONS/BOND/INSURANCE	6.0%	\$10.35	\$255,749
Z106	CONTRACTOR'S FEES	4.0%	\$7.31	\$180,729
Z202	ESCALATION TO MID-POINT OF CONSTRUCTION	10.30%	\$19.59	\$483,992
TOTAL ESTIMATED CONSTRUCTION COSTS			\$209.75	\$5,182,945

DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
SOUTH TOWER ADDITION & PSB RENOVATION				
SOUTH TOWER ADDITION & SITEWORK				
A100000 FOUNDATIONS				
03100 Concrete Formwork				
Formwork for isolated column footings	8,640	SQFT	9.60	82,961
Formwork for strip/mat foundations	5,553	SQFT	16.52	91,731
Formwork for basement walls	13,001	SQFT	14.72	191,384
Formwork for elevator foundations	1,126	SQFT	21.62	24,341
Subtotal: Concrete Formwork				\$390,417
03200 Concrete Reinforcement				
Reinforcement in isolated column footings	46	TONS	2,473.98	113,803
Reinforcement in strip/mat foundations	33	TONS	2,473.98	81,641
Reinforcement in basement walls	29	TONS	2,809.25	81,468
Reinforcement in elevator foundations	6	TONS	2,809.25	16,856
Subtotal: Concrete Reinforcement				\$293,768
03300 Cast in Place Concrete				
Concrete in isolated column footings	1,440	CUYD	181.95	262,005
Concrete in strip/mat foundations	1,028	CUYD	172.07	176,892
Concrete in basement walls	482	CUYD	197.84	95,360
Concrete in elevator foundations	91	CUYD	197.84	18,004
Concrete slab on grade, assumed 8" thk, with W6x6-2.9x2.9	9,845	SQFT	7.55	74,302
CA-6 base at concrete slab on grade	365	CUYD	32.11	11,722
Vapor barrier at slab	9,845	SQFT	1.18	11,609
Subtotal: Cast in Place Concrete				\$649,893
07100 Dampproofing & Waterproofing				
Basement wall waterproofing	6,501	SQFT	11.00	71,484
Elevator pit waterproofing	1,331	SQFT	11.00	14,636
Subtotal: Dampproofing & Waterproofing				\$86,120
31300 Foundation Excavation & Fill				
Excavate for foundations	3,780	CUYD	13.81	52,193
Excavate for basement	6,172	CUYD	8.05	49,712
Backfill with imported material	3,251	CUYD	34.98	113,716
Haul off excavated material as CCDD	9,952	CUYD	40.93	407,336
Subtotal: Foundation Excavation & Fill				\$622,958
31400 Soil Stabilizations				
Sheet piling/earth retention allowance	410	LNFT	1,000.00	410,000
Subtotal: Soil Stabilizations				\$410,000
TOTAL: FOUNDATIONS				\$2,453,156
B100000 SUPERSTRUCTURE				
03100 Concrete Formwork				
Formwork for waffle slab	203,018	SQFT	14.08	2,857,742
Formwork for shear walls	65,103	SQFT	14.72	958,362

DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
Formwork for columns	33,315	SQFT	11.32	377,269
Subtotal: Concrete Formwork				\$4,193,373
03200 Concrete Reinforcement				
Reinforcement in waffle slab, 3.6 llb/sf	343	TONS	2,809.25	963,574
Reinforcement in shear walls	149	TONS	2,809.25	418,579
Reinforcement in columns	230	TONS	3,090.98	710,925
Subtotal: Concrete Reinforcement				\$2,093,078
03300 Cast in Place Concrete				
Concrete in waffle slab	8,478	CUYD	221.72	1,879,774
Concrete in shear walls	1,422	CUYD	206.70	293,922
Concrete in columns	721	CUYD	281.83	203,202
Subtotal: Cast in Place Concrete				\$2,376,897
05400 Metal Fabrications				
Elevator pit ladder	3	EACH	702.73	2,108
Subtotal: Metal Fabrications				\$2,108
TOTAL: SUPERSTRUCTURE				\$8,665,457
B200000 EXTERIOR ENCLOSURE				
07900 Miscellaneous Thermal & Moisture Protection				
Exterior facade allowance, assumed mixture of curtainwall & metal panel	63,427	SQFT	100.00	6,342,700
Exterior soffit allowance	7,036	SQFT	80.00	562,880
Subtotal: Miscellaneous Thermal & Moisture Protection				\$6,905,580
TOTAL: EXTERIOR ENCLOSURE				\$6,905,580
B300000 ROOFING				
07400 Roofing				
Roofing including insulation, flashing, counterflashing etc.	17,751	SQFT	23.03	408,749
Metal coping	533	LNFT	40.74	21,715
Subtotal: Roofing				\$430,464
TOTAL: ROOFING				\$430,464
C100000 INTERIOR CONSTRUCTION				
04300 Interior Masonry				
Chase wall back up at perimeter, assumed CMU	63,427	SQFT	19.93	1,264,100
Wall at connection existing building, assumed CMU, rated	10,346	SQFT	36.36	376,165
Subtotal: Interior Masonry				\$1,640,265
05400 Metal Fabrications				
Railing at open to below	820	LNFT	170.88	140,124
Subtotal: Metal Fabrications				\$140,124
05900 Miscellaneous Metals				
Miscellaneous angles, channels, lintels, etc.	201,613	SQFT	1.73	347,984
Subtotal: Miscellaneous Metals				\$347,984
06200 Rough Carpentry				
Miscellaneous wood blocking & rough carpentry	201,613	SQFT	1.23	247,480

DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
Subtotal: Rough Carpentry				\$247,480
07800 Caulking & Sealants				
Miscellaneous caulking & sealants	201,613	SQFT	0.21	41,976
Subtotal: Caulking & Sealants				\$41,976
09700 Interior Construction				
Interior buildout allowance - Building support - scullery/food prep	1,409	SQFT	40.00	56,360
Interior buildout allowance - Building support - storage, maintenance, fire pump etc..	5,631	SQFT	18.00	101,358
Interior buildout allowance - Circulation - public	2,643	SQFT	65.00	171,795
Interior buildout allowance - Circulation - secure	19,128	SQFT	85.00	1,625,880
Interior buildout allowance - Electrical/IT	3,857	SQFT	18.00	69,426
Interior buildout allowance - General population housing	92,251	SQFT	15.00	1,383,765
Interior buildout allowance - Health care services administration	434	SQFT	80.00	34,720
Interior buildout allowance - Laundry	546	SQFT	30.00	16,380
Interior buildout allowance - Mechanical room	24,710	SQFT	15.00	370,650
Interior buildout allowance - Medical & mental health housing	14,031	SQFT	32.00	448,992
Interior buildout allowance - Parking	2,221	SQFT	5.00	11,105
Interior buildout allowance - Security operations	1,169	SQFT	50.00	58,450
Interior buildout allowance - Visitation	5,498	SQFT	55.00	302,390
Interior buildout allowance - Waived youth housing	14,609	SQFT	15.00	219,135
Subtotal: Interior Construction				\$4,870,406
TOTAL: INTERIOR CONSTRUCTION				\$7,288,235
C200000 STAIRS				
05300 Stairs				
Concrete filled metal pan stair, 2 flights, 1/2 landing incl. railings	26	EACH	26,183.90	680,781
Metal stair & railings at mezzanine	6	EACH	16,022.10	96,133
Subtotal: Stairs				\$776,914
TOTAL: STAIRS				\$776,914
C300000 INTERIOR FINISHES				
09900 Miscellaneous Finishes				
Interior finishes allowance - Building support - scullery/food prep	1,409	SQFT	32.00	45,088
Interior finishes allowance - Building support - storage, maintenance, fire pump etc..	5,631	SQFT	6.00	33,786
Interior finishes allowance - Circulation - public	2,643	SQFT	22.00	58,146
Interior finishes allowance - Circulation - secure	19,128	SQFT	20.00	382,560
Interior finishes allowance - Electrical/IT	3,857	SQFT	13.00	50,141
Interior finishes allowance - General population housing	92,251	SQFT	12.00	1,107,012
Interior finishes allowance - Health care services administration	434	SQFT	25.00	10,850
Interior finishes allowance - Laundry	546	SQFT	24.00	13,104
Interior finishes allowance - Mechanical room	24,710	SQFT	5.00	123,550
Interior finishes allowance - Medical & mental health housing	14,031	SQFT	15.00	210,465
Interior finishes allowance - Parking	2,221	SQFT	8.50	18,879
Interior finishes allowance - Security operations	1,169	SQFT	22.00	25,718

DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
Interior finishes allowance - Visitation	5,498	SQFT	23.00	126,454
Interior finishes allowance - Waived youth housing	14,609	SQFT	12.00	175,308
Subtotal: Miscellaneous Finishes				\$2,381,061
TOTAL: INTERIOR FINISHES				\$2,381,061
D100000 CONVEYING				
14200 Electric Traction Elevators				
Electric traction elevator, 12 stop, 155'-0" travel - Public	1	EACH	535,000.00	535,000
Electric traction elevator, 13 stop, 155'-0" travel - Secure	2	EACH	600,000.00	1,200,000
Subtotal: Electric Traction Elevators				\$1,735,000
TOTAL: CONVEYING				\$1,735,000
D200000 PLUMBING				
22200 Plumbing Fixtures				
Plumbing systems including non-security fixtures, cell plumbing connections, equipment and specialties, piping, tagging and testing	201,613	SQFT	16.00	3,225,808
Subtotal: Plumbing Fixtures				\$3,225,808
TOTAL: PLUMBING				\$3,225,808
D300000 HVAC				
23200 Ventilation & Exhaust				
HVAC systems including ventilation, exhaust, hydronic heating & cooling, controls, TAB	201,613	SQFT	55.00	11,088,715
Subtotal: Ventilation & Exhaust				\$11,088,715
TOTAL: HVAC				\$11,088,715
D400000 FIRE PROTECTION				
21200 Fire Sprinkler Equipment & Specialties				
Wet sprinkler system	201,613	SQFT	4.90	987,722
Fire pump, 1500 gpm, electric motor, w/controller	1	EACH	46,145.92	46,146
Jockey pump, electric motor, w/controller	1	EACH	3,118.24	3,118
Fire pump test connection, polished brass finish, 6" 4-way	1	EACH	5,837.76	5,838
Subtotal: Fire Sprinkler Equipment & Specialties				\$1,042,824
TOTAL: FIRE PROTECTION				\$1,042,824
D500000 ELECTRICAL				
26200 Main Power Distribution				
Main Distribution service, Switchboard 3000A and associated feeder	1	EACH	173,246.72	173,247
Service and distribution - Distribution panels, transformers, panels and associated feeders	201,613	LSUM	6.71	1,352,763
Temporary Power	1	LSUM	50,000.00	50,000
Subtotal: Main Power Distribution				\$1,576,009
26300 Emergency Power Distribution				
Generator set, diesel, 3 phase 4 wire, 277/480 V, 650 kW, and associated feeder	1	EACH	201,263.47	201,263

DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
Emergency Service and distribution - ATS, distribution panels, transformers, panels and associated feeders	201,613	EACH	2.45	494,073
Subtotal: Emergency Power Distribution				\$695,336
26400 Grounding & Lightning Protection System				
Grounding System per code	1	LSUM	57,887.86	57,888
Subtotal: Grounding & Lightning Protection System				\$57,888
26500 Lighting				
Miscellaneous light fixtures, interior, including mounting hardware and connections - Sub basement	10,661	SQFT	3.86	41,170
Miscellaneous light fixtures, interior, including mounting hardware and connections - Basement	12,042	SQFT	3.86	46,503
Miscellaneous light fixtures, interior, including mounting hardware and connections - 1st, 2nd, 3rd, 6th, 7th, 8th floors	143,544	SQFT	9.37	1,345,136
Miscellaneous light fixtures, interior, including mounting hardware and connections - 4th floor	17,683	SQFT	9.63	170,307
Miscellaneous light fixtures, interior, including mounting hardware and connections - 5th floor	17,683	SQFT	5.86	103,587
Exit lighting, L.E.D. w/ battery unit, double or single face, ceiling or wall mount	201,613	SQFT	0.33	65,827
Lighting control system - Sub basement, Basement, 5th floor	40,386	SQFT	0.75	30,197
Lighting control system 1st, 2nd, 3rd, 4th, 6th, 7th, 8th floors	161,227	SQFT	1.64	263,719
Branch wiring installation 600 V, including 3/4" EMT conduit and THWN wire, 20A	201,613	SQFT	2.78	559,637
Subtotal: Lighting				\$2,626,082
26600 Branch Power Distribution & Devices				
Miscellaneous receptacles	201,613	SQFT	0.72	145,323
Junction box and equipment hook up	201,613	SQFT	0.35	71,089
Branch wiring installation 600 V, including 3/4" EMT conduit and THWN wire, 20A	201,613	SQFT	2.41	485,020
Subtotal: Branch Power Distribution & Devices				\$701,432
26700 Mechanical Equipment Connections & Feeders				
Motors connection, disconnect switches and associated feeders - Fire pump, 1500 gpm	1	EACH	6,966.85	6,967
Motors connection, disconnect switches and associated feeders - Jockey pump	1	EACH	557.35	557
Subtotal: Mechanical Equipment Connections & Feeders				\$7,524
27200 Tele/Data Systems				
Telecommunication/data/television systems	201,613	SQFT	2.89	582,520
Subtotal: Tele/Data Systems				\$582,520
27300 Intercom & Public Address Systems				
Intercommunication system	201,613	SQFT	1.81	365,222
Subtotal: Intercom & Public Address Systems				\$365,222
27600 Audio/Visual & Television System				
Audio/Visual rough-in	201,613	SQFT	0.20	40,323
Subtotal: Audio/Visual & Television System				\$40,323
28200 Fire Alarm Systems				
Fire alarm system	201,613	SQFT	1.89	381,895
Subtotal: Fire Alarm Systems				\$381,895

DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
28300 Intrusion Detection & Access Control Systems				
Security System,	201,613	EACH	7.84	1,580,001
Subtotal: Intrusion Detection & Access Control Systems				\$1,580,001
28400 CCTV System				
CCTV System	201,613	SQFT	11.76	2,371,211
Subtotal: CCTV System				\$2,371,211
TOTAL: ELECTRICAL				\$10,985,444
E100000 EQUIPMENT				
11300 Food Service Equipment				
Food service equipment allowance	1	LSUM	400,000.00	400,000
Subtotal: Food Service Equipment				\$400,000
11900 Miscellaneous Equipment				
Laundry equipment allowance	1	LSUM	200,000.00	200,000
Subtotal: Miscellaneous Equipment				\$200,000
TOTAL: EQUIPMENT				\$600,000
F100000 SPECIAL CONSTRUCTION				
13600 Detention Systems				
Prefabricated cell system	308	EACH	25,000.00	7,700,000
Subtotal: Detention Systems				\$7,700,000
TOTAL: SPECIAL CONSTRUCTION				\$7,700,000
F200000 SELECTIVE DEMOLITION				
02100 Selective Demolition				
Miscellaneous selective demolition allowance to connect to existing building	1	LSUM	51,614.94	51,615
Subtotal: Selective Demolition				\$51,615
TOTAL: SELECTIVE DEMOLITION				\$51,615
G100000 SITE PREPARATION				
31800 Site Demolition				
Site demolition & preparation allowance	20,722	SQFT	27.98	579,741
Subtotal: Site Demolition				\$579,741
TOTAL: SITE PREPARATION				\$579,741
G200000 SITE IMPROVEMENTS				
32100 Pavement				
Aggregate base at pavement	245	CUYD	66.77	16,360
Concrete walk	2,579	SQFT	7.86	20,266
Concrete drive/pavement at ramp	5,317	SQFT	16.38	87,118
Road patching allowance	1	LSUM	25,000.00	25,000
Subtotal: Pavement				\$148,743
32300 Fencing & Walls				
Formwork for strip/mat foundations at site retaining walls	2,565	SQFT	16.52	42,372
Formwork for site retaining walls	7,605	SQFT	14.72	111,951

DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
Reinforcement in strip/mat foundations at site retaining walls	15	TONS	2,473.98	37,110
Reinforcement at site retaining walls	15	TONS	2,809.25	42,139
Concrete in strip/mat foundations at site retaining walls	475	CUYD	172.07	81,735
Concrete at site retaining walls	282	CUYD	197.84	55,791
Subtotal: Fencing & Walls				\$371,098
TOTAL: SITE IMPROVEMENTS				\$519,841
G300000 CIVIL & MECHANICAL UTILITIES				
33200 Site Water Service				
Combined domestic and fire water service - allowance	1	LSUM	40,000.00	40,000
Subtotal: Site Water Service				\$40,000
33300 Site Sanitary & Storm Sewer				
Storm and sanitary sewer provisions	1	LSUM	120,000.00	120,000
Subtotal: Site Sanitary & Storm Sewer				\$120,000
33500 Site HVAC				
Replace snowmelt system at garage access ramps	1	LSUM	122,740.10	122,740
Subtotal: Site HVAC				\$122,740
TOTAL: CIVIL & MECHANICAL UTILITIES				\$282,740
G400000 SITE ELECTRICAL UTILITIES				
33800 Site Electrical				
Utility company provisions and coordination - Power and Telecommunication/data/television	1	LSUM	30,000.00	30,000
Concrete encased ductbank - Telecommunication/data/television	1	LSUM	15,000.00	15,000
Concrete encased ductbank - secondary power feeder	1	LSUM	20,000.00	20,000
Concrete encased ductbank - primary power feeder	1	LSUM	10,000.00	10,000
Site lightiing	1	EACH	50,000.00	50,000
Subtotal: Site Electrical				\$125,000
TOTAL: SITE ELECTRICAL UTILITIES				\$125,000
TOTAL: SOUTH TOWER ADDITION & SITEWORK				\$66,837,594

DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
PSB RENOVATION & SITEWORK				
B300000 ROOFING				
07400 Roofing				
Roof patching allowance	1	LSUM	25,000.00	25,000
	Subtotal: Roofing			\$25,000
TOTAL: ROOFING				\$25,000
C100000 INTERIOR CONSTRUCTION				
09700 Interior Construction				
Interior buildout allowance - Building support - storage, maintenance, fire pump etc..	5,943	SQFT	18.00	106,974
Interior buildout allowance - Circulation - public	1,327	SQFT	65.00	86,255
Interior buildout allowance - Circulation - secure	5,518	SQFT	85.00	469,030
Interior buildout allowance - Electrical/IT	2,082	SQFT	18.00	37,476
Interior buildout allowance - Health care services administration	4,000	SQFT	80.00	320,000
Interior buildout allowance - Medical & mental health housing	21,023	SQFT	32.00	672,736
Interior buildout allowance - Visitation	5,069	SQFT	55.00	278,795
Interior buildout allowance - Central control - control room etc.	2,208	SQFT	35.00	77,280
Interior buildout allowance - Electronics upgrades	1,055	SQFT	25.00	26,375
Interior buildout allowance - Huber entry/exit	4,021	SQFT	30.00	120,630
Interior buildout allowance - Intake - warrent intake, release	1,001	SQFT	50.00	50,050
Interior buildout allowance - Outpatient clinical services	2,752	SQFT	35.00	96,320
Interior buildout allowance - Programs/offices	2,426	SQFT	30.00	72,780
Interior buildout allowance - Staff area	1,700	SQFT	25.00	42,500
	Subtotal: Interior Construction			\$2,457,201
TOTAL: INTERIOR CONSTRUCTION				\$2,457,201
C300000 INTERIOR FINISHES				
09900 Miscellaneous Finishes				
Interior finishes allowance - Building support - storage, maintenance, fire pump etc..	5,943	SQFT	6.00	35,658
Interior finishes allowance - Circulation - public	1,327	SQFT	22.00	29,194
Interior finishes allowance - Circulation - secure	5,518	SQFT	20.00	110,360
Interior finishes allowance - Electrical/IT	2,082	SQFT	13.00	27,066
Interior finishes allowance - Health care services administration	4,000	SQFT	25.00	100,000
Interior finishes allowance - Medical & mental health housing	21,023	SQFT	15.00	315,345
Interior finishes allowance - Visitation	5,069	SQFT	23.00	116,587
Interior finishes allowance - Central control - control room etc.	2,208	SQFT	25.00	55,200
Interior finishes allowance - Electronics upgrades	1,055	SQFT	13.00	13,715
Interior finishes allowance - Huber entry/exit	4,021	SQFT	15.00	60,315
Interior finishes allowance - Intake - warrent intake, release	1,001	SQFT	15.00	15,015
Interior finishes allowance - Outpatient clinical services	2,752	SQFT	20.00	55,040
Interior finishes allowance - Programs/offices	2,426	SQFT	20.00	48,520
Interior finishes allowance - Staff area	1,700	SQFT	20.00	34,000

DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
Subtotal: Miscellaneous Finishes				\$1,016,015
TOTAL: INTERIOR FINISHES				\$1,016,015
D100000 CONVEYING				
14200 Electric Traction Elevators				
Electric traction elevator in existing shaft, 6 stop - Public	1	EACH	450,000.00	450,000
Subtotal: Electric Traction Elevators				\$450,000
TOTAL: CONVEYING				\$450,000
D200000 PLUMBING				
22200 Plumbing Fixtures				
Rework existing plumbing systems to accommodate renovation	60,125	SQFT	14.00	841,750
Subtotal: Plumbing Fixtures				\$841,750
TOTAL: PLUMBING				\$841,750
D300000 HVAC				
23200 Ventilation & Exhaust				
HVAC systems renovation	60,125	SQFT	50.00	3,006,250
Subtotal: Ventilation & Exhaust				\$3,006,250
TOTAL: HVAC				\$3,006,250
D400000 FIRE PROTECTION				
21200 Fire Sprinkler Equipment & Specialties				
Reconfigure existing wet sprinkler system for renovation/buildout	60,125	SQFT	5.25	315,632
Subtotal: Fire Sprinkler Equipment & Specialties				\$315,632
TOTAL: FIRE PROTECTION				\$315,632
D500000 ELECTRICAL				
26200 Main Power Distribution				
Main Distribution service, upgrade existing switchboard 4000A	1	EACH	49,317.12	49,317
Service and distribution - Upgrade Distribution panels, transformers, panels and associated feeders	60,125	SQFT	2.98	179,293
Temporary Power	1	LSUM	20,000.00	20,000
Subtotal: Main Power Distribution				\$248,610
26300 Emergency Power Distribution				
Emergency Service and distribution - Interface existing with new generator	1	EACH	14,703.71	14,704
Emergency Service and distribution - Upgrade ATS, distribution panels, transformers, panels and associated feeders	1	EACH	49,010.39	49,010
Subtotal: Emergency Power Distribution				\$63,714
26400 Grounding & Lightning Protection System				
Grounding System per code	1	LSUM	9,647.98	9,648
Subtotal: Grounding & Lightning Protection System				\$9,648
26500 Lighting				
Miscellaneous light fixtures, interior, including mounting hardware and connections - Sub basement	3,628	SQFT	3.31	11,997

DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
Miscellaneous light fixtures, interior, including mounting hardware and connections - Basement	7,837	SQFT	3.38	26,480
Miscellaneous light fixtures, interior, including mounting hardware and connections - 1st, 2nd, 3rd floors	17,854	SQFT	5.86	104,589
Miscellaneous light fixtures, interior, including mounting hardware and connections - 4th & 5th floor	30,557	SQFT	8.38	256,153
Exit lighting, L.E.D. w/ battery unit, double or single face, ceiling or wall mount	60,125	SQFT	0.33	19,631
Lighting control system - Sub basement, Basement,	11,231	SQFT	0.56	6,298
Lighting control system 1st, 2nd, 3rd,	17,603	SQFT	1.17	20,566
Lighting control system 4th,	31,000	SQFT	1.40	43,462
Branch wiring installation 600 V, including 3/4" EMT conduit and THWN wire, 20A	60,125	SQFT	2.08	125,174
Subtotal: Lighting				\$614,351
26600 Branch Power Distribution & Devices				
Miscellaneous receptacles	60,125	SQFT	0.72	43,338
Junction box and equipment hook up	60,125	SQFT	0.44	26,497
Branch wiring installation 600 V, including 3/4" EMT conduit and THWN wire, 20A	60,125	SQFT	3.10	186,363
Subtotal: Branch Power Distribution & Devices				\$256,199
26700 Mechanical Equipment Connections & Feeders				
Motors connection, disconnect switches and associated feeders - Miscellaneous equipment	1	LSUM	125,000.00	125,000
Motors connection, disconnect switches and associated feeders - Fire pump, 1500 gpm	1	EACH	6,966.85	6,967
Motors connection, disconnect switches and associated feeders - Elevators	4	EACH	1,205.64	4,823
Subtotal: Mechanical Equipment Connections & Feeders				\$136,789
27200 Tele/Data Systems				
Telecommunication/data/television systems - upgrades per new layout	60,125	SQFT	4.33	260,582
Subtotal: Tele/Data Systems				\$260,582
27300 Intercom & Public Address Systems				
Intercommunication system - upgrades per new layout	60,125	SQFT	1.01	60,516
Subtotal: Intercom & Public Address Systems				\$60,516
27600 Audio/Visual & Television System				
Audio/Visual rough-in - upgrades per new layout	60,125	SQFT	0.30	18,037
Subtotal: Audio/Visual & Television System				\$18,037
28200 Fire Alarm Systems				
Fire alarm system - upgrades per new layout	60,125	SQFT	1.89	113,889
Subtotal: Fire Alarm Systems				\$113,889
28300 Intrusion Detection & Access Control Systems				
Security System, - upgrades per new layout	60,125	EACH	4.37	262,728
Subtotal: Intrusion Detection & Access Control Systems				\$262,728
28400 CCTV System				
CCTV System - upgrades per new layout	60,125	SQFT	7.06	424,284
Subtotal: CCTV System				\$424,284
TOTAL: ELECTRICAL				\$2,469,347

DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
F100000 SPECIAL CONSTRUCTION				
13600 Detention Systems				
Prefabricated cell system	40	EACH	25,000.00	1,000,000
	Subtotal: Detention Systems			\$1,000,000
TOTAL: SPECIAL CONSTRUCTION				\$1,000,000
F200000 SELECTIVE DEMOLITION				
02100 Selective Demolition				
Interior demolition allowance - Building support - storage, maintenance, fire pump etc..	5,943	SQFT	17.50	104,003
Interior demolition allowance - Circulation - public	1,327	SQFT	17.50	23,223
Interior demolition allowance - Circulation - secure	5,518	SQFT	17.50	96,565
Interior demolition allowance - Electrical/IT	2,082	SQFT	17.50	36,435
Interior demolition allowance - Health care services administration	4,000	SQFT	17.50	70,000
Interior demolition allowance - Medical & mental health housing	21,023	SQFT	17.50	367,903
Interior demolition allowance - Visitation	5,069	SQFT	17.50	88,708
Interior demolition allowance - Central control - control room etc.	2,208	SQFT	17.50	38,640
Interior demolition allowance - Electronics upgrades	1,055	SQFT	17.50	18,463
Interior demolition allowance - Huber entry/exit	4,021	SQFT	17.50	70,368
Interior demolition allowance - Intake - warrent intake, release	1,001	SQFT	17.50	17,518
Interior demolition allowance - Outpatient clinical services	2,752	SQFT	17.50	48,160
Interior demolition allowance - Programs/offices	2,426	SQFT	17.50	42,455
Interior demolition allowance - Staff area	1,700	SQFT	17.50	29,750
	Subtotal: Selective Demolition			\$1,052,188
TOTAL: SELECTIVE DEMOLITION				\$1,052,188
TOTAL: PSB RENOVATION & SITEWORK				\$12,633,383
TOTAL: SOUTH TOWER ADDITION & PSB RENOVATION				\$79,470,976

DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
CCB & PSB RENOVATION & GREENFIELD HUBER OPTION				
NEW GREENFIELD & SITEWORK				
A100000 FOUNDATIONS				
03100 Concrete Formwork				
Formwork for strip footings	318	SQFT	6.74	2,142
Formwork for isolated column footings	5,664	SQFT	7.64	43,290
Formwork for piers	3,304	SQFT	8.97	29,641
Formwork for foundation walls	11,448	SQFT	7.29	83,505
Subtotal: Concrete Formwork				\$158,578
03200 Concrete Reinforcement				
Reinforcement in strip footings, avg 65 lbs/cy	10	TONS	2,605.70	26,057
Reinforcement in isolated column footings, avg 80 lbs/cy	17	TONS	2,605.70	44,297
Reinforcement in piers, avg 125 lbs/cy	4	TONS	3,012.17	12,049
Reinforcement in foundation walls, avg 115 lbs/cy	20	TONS	2,763.77	55,275
Subtotal: Concrete Reinforcement				\$137,678
03300 Cast in Place Concrete				
Concrete in strip footings	318	CUYD	159.73	50,795
Concrete in isolated column footings	420	CUYD	167.14	70,198
Concrete in piers	61	CUYD	196.76	12,002
Concrete in foundation walls	353	CUYD	165.02	58,252
Elevator foundation allowance including waterproofing	1	EACH	30,000.00	30,000
Concrete slab on grade	88,522	SQFT	5.98	529,539
CA-6 base, 6" thk, at concrete slab on grade	1,639	CUYD	44.32	72,646
Vapor barrier at slab	88,522	SQFT	0.99	87,495
Subtotal: Cast in Place Concrete				\$910,926
07200 Thermal Insulation				
Foundation insulation	5,724	SQFT	2.42	13,842
Subtotal: Thermal Insulation				\$13,842
31300 Foundation Excavation & Fill				
Excavate for foundations	2,952	CUYD	10.62	31,354
Backfill with excavated material	1,800	CUYD	7.68	13,817
Haul off excavated material as CCDD	1,152	CUYD	32.87	37,865
Subtotal: Foundation Excavation & Fill				\$83,037
TOTAL: FOUNDATIONS				\$1,304,061
B100000 SUPERSTRUCTURE				
03400 Cementitious Decks				
NLWT Concrete on metal floor deck	43,879	SQFT	5.23	229,277
Subtotal: Cementitious Decks				\$229,277
05100 Structural Steel				
Structural steel beams & columns, floor, allow 15 lbs/sf	329	TONS	3,479.30	1,144,688
Structural steel beams & columns, roof, allow 8 lbs/sf	350	TONS	3,479.30	1,217,753

DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
Composite metal floor deck	43,879	SQFT	4.38	192,036
Metal roof deck	87,291	SQFT	4.02	351,303
Subtotal: Structural Steel				\$2,905,781
05400 Metal Fabrications				
Elevator pit ladder	2	EACH	702.73	1,405
Subtotal: Metal Fabrications				\$1,405
07700 Fireproofing & Firestopping				
Fireproof steel structure	43,879	SQFT	4.65	204,239
Subtotal: Fireproofing & Firestopping				\$204,239
TOTAL: SUPERSTRUCTURE				\$3,340,702
B200000 EXTERIOR ENCLOSURE				
07900 Miscellaneous Thermal & Moisture Protection				
Exterior facade, precast with glazed openings - allowance	38,717	SQFT	80.00	3,097,360
Subtotal: Miscellaneous Thermal & Moisture Protection				\$3,097,360
TOTAL: EXTERIOR ENCLOSURE				\$3,097,360
B300000 ROOFING				
07400 Roofing				
Roofing including insulation, flashing, counterflashing etc.	87,291	SQFT	20.79	1,815,094
Metal coping	2,209	LNFT	37.59	83,042
Subtotal: Roofing				\$1,898,136
TOTAL: ROOFING				\$1,898,136
C100000 INTERIOR CONSTRUCTION				
05900 Miscellaneous Metals				
Miscellaneous angles, channels, lintels, etc.	133,230	SQFT	1.40	187,042
Subtotal: Miscellaneous Metals				\$187,042
06200 Rough Carpentry				
Miscellaneous wood blocking & rough carpentry	133,230	SQFT	1.13	150,217
Subtotal: Rough Carpentry				\$150,217
07800 Caulking & Sealants				
Miscellaneous caulking & sealants	133,230	SQFT	0.21	27,738
Subtotal: Caulking & Sealants				\$27,738
09700 Interior Construction				
Interior buildout allowance - Food service/scullery/food prep	606	SQFT	38.00	23,028
Interior buildout allowance - Building support - storage, maintenance, fire pump etc..	12,041	SQFT	17.00	204,697
Interior buildout allowance - Circulation - secure	5,898	SQFT	80.75	476,264
Interior buildout allowance - General population housing	77,465	SQFT	14.25	1,103,876
Interior buildout allowance - Laundry	633	SQFT	28.50	18,041
Interior buildout allowance - Mechanical room	3,022	SQFT	14.25	43,064
Interior buildout allowance - Security operations	1,646	SQFT	47.50	78,185
Interior buildout allowance - Visitation	2,550	SQFT	52.25	133,238

DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
Interior buildout allowance - Huber entry/exit	3,014	SQFT	28.50	85,899
Interior buildout allowance - Intake/release	6,464	SQFT	47.50	307,040
Interior buildout allowance - Medical clinic & administration	3,564	SQFT	76.00	270,864
Interior buildout allowance - Staff support	5,057	SQFT	23.75	120,104
Interior buildout allowance - Receiving/loading dock/warehouse	2,833	SQFT	19.00	53,827
Interior buildout allowance - Jail administration/diversion	4,068	SQFT	28.50	115,938
Interior buildout allowance - Public entry/lobby	2,047	SQFT	28.50	58,340
Subtotal: Interior Construction				\$3,092,403
TOTAL: INTERIOR CONSTRUCTION				\$3,457,399

C200000 STAIRS

05300 Stairs

Concrete filled metal pan stair, 2 flights, 1/2 landing incl. railings	2	EACH	26,183.90	52,368
Metal stair & railings at mezzanine	5	EACH	16,022.10	80,111
Subtotal: Stairs				\$132,478

TOTAL: STAIRS	\$132,478			
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C300000 INTERIOR FINISHES

09900 Miscellaneous Finishes

Interior finishes allowance - Food service/scullery/food prep	606	SQFT	30.50	18,483
Interior finishes allowance - Building support - storage, maintenance, fire pump etc..	12,041	SQFT	5.75	69,236
Interior finishes allowance - Circulation - secure	5,898	SQFT	19.00	112,062
Interior finishes allowance - General population housing	77,465	SQFT	11.50	890,848
Interior finishes allowance - Laundry	633	SQFT	22.75	14,401
Interior finishes allowance - Mechanical room	3,022	SQFT	4.75	14,355
Interior finishes allowance - Security operations	1,646	SQFT	21.00	34,566
Interior finishes allowance - Visitation	2,550	SQFT	21.75	55,463
Interior finishes allowance - Huber entry/exit	3,014	SQFT	14.25	42,950
Interior finishes allowance - Intake/release	6,464	SQFT	14.25	92,112
Interior finishes allowance - Medical clinic & administration	3,564	SQFT	23.75	84,645
Interior finishes allowance - Staff support	5,057	SQFT	19.00	96,083
Interior finishes allowance - Receiving/loading dock/warehouse	2,833	SQFT	8.00	22,664
Interior finishes allowance - Jail administration/diversion	4,068	SQFT	19.00	77,292
Interior finishes allowance - Public entry/lobby	2,047	SQFT	14.25	29,170

Subtotal: Miscellaneous Finishes \$1,654,327

TOTAL: INTERIOR FINISHES	\$1,654,327			
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D100000 CONVEYING

14200 Electric Traction Elevators

Electric traction elevator, 2 stop	2	EACH	140,000.00	280,000
Subtotal: Electric Traction Elevators				\$280,000

14900 Special Conveying Equipment

Inmate property conveyor system - Allowance	1	EACH	250,000.00	250,000
Subtotal: Special Conveying Equipment				\$250,000

DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
TOTAL: CONVEYING				\$530,000
D200000 PLUMBING				
22200 Plumbing Fixtures				
Plumbing systems including non-security fixtures, cell plumbing connections, equipment and specialties, piping, tagging and testing	133,230	SQFT	19.00	2,531,370
Subtotal: Plumbing Fixtures				\$2,531,370
TOTAL: PLUMBING				\$2,531,370
D300000 HVAC				
23200 Ventilation & Exhaust				
HVAC systems including ventilation, exhaust, hydronic heating & cooling, controls, TAB	133,230	SQFT	59.00	7,860,570
Subtotal: Ventilation & Exhaust				\$7,860,570
TOTAL: HVAC				\$7,860,570
D400000 FIRE PROTECTION				
21200 Fire Sprinkler Equipment & Specialties				
Wet sprinkler system	133,230	SQFT	4.90	652,707
Fire pump, 1500 gpm, electric motor, w/controller	1	EACH	46,145.92	46,146
Jockey pump, electric motor, w/controller	1	EACH	3,118.24	3,118
Fire pump test connection, polished brass finish, 6" 4-way	1	EACH	5,837.76	5,838
Subtotal: Fire Sprinkler Equipment & Specialties				\$707,809
TOTAL: FIRE PROTECTION				\$707,809
D500000 ELECTRICAL				
26200 Main Power Distribution				
Main Distribution service, switchboard and associated feeders	1	EACH	165,746.72	165,747
Service and distribution - Distribution panels, transformers, panels and associated feeders	133,230	SQFT	6.49	865,049
Subtotal: Main Power Distribution				\$1,030,796
26300 Emergency Power Distribution				
Emergency Service and distribution - Generator, ATS, distribution panels, transformers, panels and associated feeders	133,230	SQFT	4.55	605,744
Subtotal: Emergency Power Distribution				\$605,744
26400 Grounding & Lightning Protection System				
Grounding System per code	1	LSUM	20,000.00	20,000
Subtotal: Grounding & Lightning Protection System				\$20,000
26500 Lighting				
Lighting and power provisions at parking	22,500	SQFT	4.00	89,998
Miscellaneous light fixtures, interior, including mounting hardware and connections	133,230	SQFT	8.38	1,116,840
Exit lighting, L.E.D. w/ battery unit, double or single face, ceiling or wall mount	133,230	SQFT	0.33	43,500
Lighting control system	133,230	SQFT	1.40	186,788
Branch wiring installation 600 V, including 3/4" EMT conduit and THWN wire, 20A	133,230	SQFT	2.08	277,372

DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
Subtotal: Lighting				\$1,714,498
26600 Branch Power Distribution & Devices				
Miscellaneous receptacles	133,230	SQFT	0.72	96,032
Junction box and equipment hook up	133,230	SQFT	0.44	58,714
Branch wiring installation 600 V, including 3/4" EMT conduit and THWN wire, 20A	133,230	SQFT	3.10	412,960
Subtotal: Branch Power Distribution & Devices				\$567,706
26700 Mechanical Equipment Connections & Feeders				
Motors connection, disconnect switches and associated feeders	1	LSUM	100,000.01	100,000
Subtotal: Mechanical Equipment Connections & Feeders				\$100,000
27200 Tele/Data Systems				
Telecommunication/data/television systems	133,230	SQFT	7.00	932,610
Subtotal: Tele/Data Systems				\$932,610
27300 Intercom & Public Address Systems				
Intercommunication system	133,230	SQFT	2.00	266,313
Subtotal: Intercom & Public Address Systems				\$266,313
27600 Audio/Visual & Television System				
Audio/Visual rough-in	133,230	SQFT	0.30	39,969
Subtotal: Audio/Visual & Television System				\$39,969
28200 Fire Alarm Systems				
Fire alarm system	133,230	SQFT	2.50	333,115
Subtotal: Fire Alarm Systems				\$333,115
28300 Intrusion Detection & Access Control Systems				
Security System	133,230	EACH	8.25	1,099,054
Subtotal: Intrusion Detection & Access Control Systems				\$1,099,054
28400 CCTV System				
CCTV System	133,230	SQFT	12.35	1,645,337
Subtotal: CCTV System				\$1,645,337
TOTAL: ELECTRICAL				\$8,355,142
E100000 EQUIPMENT				
11300 Food Service Equipment				
Food service equipment allowance	1	LSUM	100,000.00	100,000
Subtotal: Food Service Equipment				\$100,000
11900 Miscellaneous Equipment				
Laundry equipment allowance	1	LSUM	200,000.00	200,000
Subtotal: Miscellaneous Equipment				\$200,000
TOTAL: EQUIPMENT				\$300,000
F100000 SPECIAL CONSTRUCTION				
13600 Detention Systems				
Prefabricated cell system	173	EACH	25,000.00	4,325,000
Subtotal: Detention Systems				\$4,325,000
TOTAL: SPECIAL CONSTRUCTION				\$4,325,000

DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
G100000 SITE PREPARATION				
31800 Site Demolition				
Site demolition & preparation allowance	12	ACRE	7,950.74	95,409
Subtotal: Site Demolition				\$95,409
TOTAL: SITE PREPARATION				\$95,409
G200000 SITE IMPROVEMENTS				
32100 Pavement				
Surface parking, 75 vehicles	22,500	SQFT	15.64	351,929
Pavement - allowance	41,000	SQFT	7.19	294,888
Entry Plaza - allowance	5,000	SQFT	46.28	231,414
Subtotal: Pavement				\$878,231
32600 Landscaping				
Landscape minimal trees & shrubs, seed, etc. - allowance	365,000	SQFT	0.76	278,203
Subtotal: Landscaping				\$278,203
TOTAL: SITE IMPROVEMENTS				\$1,156,434
G300000 CIVIL & MECHANICAL UTILITIES				
33200 Site Water Service				
Combined domestic and fire water service - allowance	1	LSUM	40,000.00	40,000
Subtotal: Site Water Service				\$40,000
33300 Site Sanitary & Storm Sewer				
Storm and sanitary sewer provisions	1	LSUM	120,000.00	120,000
Subtotal: Site Sanitary & Storm Sewer				\$120,000
TOTAL: CIVIL & MECHANICAL UTILITIES				\$160,000
G400000 SITE ELECTRICAL UTILITIES				
33800 Site Electrical				
Utility company provisions and coordination - Power and Telecommunication/data/television	1	LSUM	20,000.00	20,000
Site lighting	1	EACH	50,000.00	50,000
Subtotal: Site Electrical				\$70,000
TOTAL: SITE ELECTRICAL UTILITIES				\$70,000
TOTAL: NEW GREENFIELD & SITEWORK				\$40,976,199

DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
CCB RENOVATION & SITEWORK				
A100000 FOUNDATIONS				
03100 Concrete Formwork				
Formwork for strip/mat foundations	648	SQFT	16.52	10,704
Subtotal: Concrete Formwork				\$10,704
03200 Concrete Reinforcement				
Reinforcement in strip/mat foundations	12	TONS	2,473.98	29,688
Subtotal: Concrete Reinforcement				\$29,688
03300 Cast in Place Concrete				
Concrete in strip/mat foundations	153	CUYD	172.07	26,327
Concrete slab on grade, assumed 8" thk, with W6x6-2.9x2.9	246	SQFT	7.55	1,857
CA-6 base at concrete slab on grade	9	CUYD	32.11	289
Vapor barrier at slab	246	SQFT	1.18	290
Subtotal: Cast in Place Concrete				\$28,763
31300 Foundation Excavation & Fill				
Excavate for foundations	500	CUYD	13.81	6,904
Backfill with imported material	347	CUYD	34.98	12,138
Haul off excavated material as CCDD	500	CUYD	40.93	20,465
Subtotal: Foundation Excavation & Fill				\$39,507
31400 Soil Stabilizations				
Sheet piling/earth retention allowance	60	LNFT	1,000.00	60,000
Subtotal: Soil Stabilizations				\$60,000
TOTAL: FOUNDATIONS				\$168,662
B100000 SUPERSTRUCTURE				
03300 Cast in Place Concrete				
Structure allowance at penthouse/stair tower	4,730	SQFT	49.27	233,049
Subtotal: Cast in Place Concrete				\$233,049
TOTAL: SUPERSTRUCTURE				\$233,049
B200000 EXTERIOR ENCLOSURE				
07200 Thermal Insulation				
Spray foam insulation at existing exterior facade	41,470	SQFT	6.36	263,795
Subtotal: Thermal Insulation				\$263,795
07900 Miscellaneous Thermal & Moisture Protection				
Exterior facade allowance at stair tower	4,015	SQFT	120.00	481,800
Remove precast panels & CMU back up. Install curtainwall system w/ security mesh	0	SQFT	130.00	0
Subtotal: Miscellaneous Thermal & Moisture Protection				\$481,800
08200 Curtainwall & Storefront				
Remove & replace all windows on 6th & 7th floor - qty allowance	7,440	SQFT	85.00	632,400
Subtotal: Curtainwall & Storefront				\$632,400
09100 Plaster & Gypsum Board				

DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
Gyp board furring at existing exterior facade	41,470	SQFT	5.51	228,379
Subtotal: Plaster & Gypsum Board				\$228,379
TOTAL: EXTERIOR ENCLOSURE				\$1,606,374
B300000 ROOFING				
07400 Roofing				
Roof patching at CCB allowance	1	LSUM	25,000.00	25,000
Roofing including insulation, flashing, counterflashing etc. at CCB Stair Tower	298	SQFT	51.22	15,264
Subtotal: Roofing				\$40,264
TOTAL: ROOFING				\$40,264
C100000 INTERIOR CONSTRUCTION				
09100 Plaster & Gypsum Board				
Remove windows at new stair tower. Infill as necessary. Install furring	3,849	SQFT	18.60	71,576
Subtotal: Plaster & Gypsum Board				\$71,576
09700 Interior Construction				
Interior buildout allowance - Food service/scullery/food prep	566	SQFT	40.00	22,640
Interior buildout allowance - Circulation - secure	5,960	SQFT	85.00	506,600
Interior buildout allowance - General population housing	30,066	SQFT	15.00	450,990
Interior buildout allowance - Health care services administration	3,239	SQFT	80.00	259,120
Interior buildout allowance - Laundry	347	SQFT	30.00	10,410
Interior buildout allowance - Visitation	1,779	SQFT	55.00	97,845
Interior buildout allowance - Waived youth housing	10,937	SQFT	15.00	164,055
Interior buildout allowance - Staff support	4,382	SQFT	25.00	109,550
Interior buildout allowance - Outdoor recreation	2,873	SQFT	20.00	57,460
Interior buildout allowance - Receiving/loading dock/warehouse	5,712	SQFT	20.00	114,240
Interior buildout allowance - Transitional housing	6,221	SQFT	15.00	93,315
Subtotal: Interior Construction				\$1,886,225
TOTAL: INTERIOR CONSTRUCTION				\$1,957,801
C200000 STAIRS				
05300 Stairs				
Concrete filled metal pan stair, 2 flights, 1/2 landing incl. railings	7	EACH	26,183.90	183,287
Subtotal: Stairs				\$183,287
TOTAL: STAIRS				\$183,287
C300000 INTERIOR FINISHES				
09400 Ceiling Finishes				
Ceiling removal/replacement on 5th flr CCB to accomodate 6th flr work - phased scope	33,250	SQFT	7.58	251,969
Subtotal: Ceiling Finishes				\$251,969
09900 Miscellaneous Finishes				
Interior finishes allowance - Food service/scullery/food prep	566	SQFT	32.00	18,112
Interior finishes allowance - Circulation - secure	5,960	SQFT	20.00	119,200
Interior finishes allowance - General population housing	30,066	SQFT	12.00	360,792

DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
Interior finishes allowance - Health care services administration	3,239	SQFT	25.00	80,975
Interior finishes allowance - Laundry	347	SQFT	24.00	8,328
Interior finishes allowance - Visitation	1,779	SQFT	23.00	40,917
Interior finishes allowance - Waived youth housing	10,937	SQFT	12.00	131,244
Interior finishes allowance - Staff support	4,382	SQFT	20.00	87,640
Interior finishes allowance - Outdoor recreation	2,873	SQFT	10.00	28,730
Interior finishes allowance - Receiving/loading dock/warehouse	5,712	SQFT	8.50	48,552
Interior finishes allowance - Transitional housing	6,221	SQFT	12.00	74,652
Subtotal: Miscellaneous Finishes				\$999,142

TOTAL: INTERIOR FINISHES	\$1,251,111
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D200000 PLUMBING

22200 Plumbing Fixtures

Replace entire domestic water distribution system, CCB	81,270	SQFT	14.00	1,137,780
Rework existing plumbing systems to accommodate renovation - 6th flr, CCB	42,450	SQFT	8.00	339,600
Rework existing plumbing systems to accommodate renovation - 7th flr, CCB	38,820	SQFT	8.00	310,560

Subtotal: Plumbing Fixtures \$1,787,940

TOTAL: PLUMBING	\$1,787,940
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D300000 HVAC

23200 Ventilation & Exhaust

HVAC systems renovation 6th flr, CCB	42,450	SQFT	50.00	2,122,500
HVAC systems renovation 7th flr, CCB	38,820	SQFT	50.00	1,941,000

Subtotal: Ventilation & Exhaust \$4,063,500

TOTAL: HVAC	\$4,063,500
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D400000 FIRE PROTECTION

21200 Fire Sprinkler Equipment & Specialties

Reconfigure existing wet sprinkler system for renovation/buildout - 6th flr, CCB	42,450	SQFT	5.25	222,846
Reconfigure existing wet sprinkler system for renovation/buildout - 7th flr, CCB	38,820	SQFT	5.25	203,789

Subtotal: Fire Sprinkler Equipment & Specialties \$426,635

TOTAL: FIRE PROTECTION	\$426,635
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D500000 ELECTRICAL

26200 Main Power Distribution

Service and distribution - Upgrade Distribution panels, transformers, panels and associated feeders 6th floor	42,450	SQFT	2.98	126,586
Service and distribution - Upgrade Distribution panels, transformers, panels and associated feeders 7th floor	38,820	SQFT	2.98	115,761

Subtotal: Main Power Distribution \$242,347

26500 Lighting

Miscellaneous light fixtures, interior, including mounting hardware and connections - 6th floor	42,450	SQFT	8.38	355,850
Miscellaneous light fixtures, interior, including mounting hardware and connections - 7th floor	38,820	SQFT	8.38	325,420

DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
Lighting control system - 6th, floor	42,450	SQFT	1.40	59,515
Lighting control system - 7th, floor	38,820	SQFT	1.40	54,426
Branch wiring installation 600 V, including 3/4" EMT conduit and THWN wire, 20A - 6th, floor	42,450	SQFT	2.08	88,377
Branch wiring installation 600 V, including 3/4" EMT conduit and THWN wire, 20A - 7th, floor	38,820	SQFT	2.08	80,819
Subtotal: Lighting				\$964,407
26600 Branch Power Distribution & Devices				
Miscellaneous receptacles, Junction box and equipment hook up - 7th floor	38,820	SQFT	0.72	27,981
Miscellaneous receptacles, Junction box and equipment hook up - 6th floor	42,450	SQFT	0.72	30,598
Branch wiring installation 600 V, including 3/4" EMT conduit and THWN wire, 20A - 6th, floor	42,450	SQFT	3.10	131,578
Branch wiring installation 600 V, including 3/4" EMT conduit and THWN wire, 20A - 7th, floor	38,820	SQFT	3.10	120,326
Subtotal: Branch Power Distribution & Devices				\$310,484
27200 Tele/Data Systems				
Telecommunication/data/television systems - upgrades per new layout - 6th, floor	42,450	SQFT	4.33	183,978
Telecommunication/data/television systems - upgrades per new layout - 7th, floor	38,820	SQFT	4.33	168,246
Subtotal: Tele/Data Systems				\$352,224
27300 Intercom & Public Address Systems				
Intercommunication system - upgrades per new layout - 6th, floor	42,450	SQFT	1.01	42,726
Intercommunication system - upgrades per new layout - 7th, floor	38,820	SQFT	1.01	39,072
Subtotal: Intercom & Public Address Systems				\$81,798
27600 Audio/Visual & Television System				
Audio/Visual rough-in - upgrades per new layout - 6th, floor	42,450	SQFT	0.30	12,735
Audio/Visual rough-in - upgrades per new layout - 7th, floor	38,820	SQFT	0.30	11,646
Subtotal: Audio/Visual & Television System				\$24,381
28200 Fire Alarm Systems				
Fire alarm system - upgrades per new layout - 7th, floor	38,820	SQFT	1.89	73,533
Fire alarm system - upgrades per new layout - 6th, floor	42,450	SQFT	1.89	80,409
Subtotal: Fire Alarm Systems				\$153,942
28300 Intrusion Detection & Access Control Systems				
Security System, - upgrades per new layout - 6th, floor	42,450	EACH	4.37	185,494
Security System, - upgrades per new layout - 7th, floor	38,820	EACH	4.37	169,632
Subtotal: Intrusion Detection & Access Control Systems				\$355,126
28400 CCTV System				
CCTV System - upgrades per new layout - 6th, floor	42,450	SQFT	7.06	299,557
CCTV System - upgrades per new layout - 7th, floor	38,820	SQFT	7.06	273,941
Subtotal: CCTV System				\$573,498
TOTAL: ELECTRICAL				\$3,058,206

E100000 EQUIPMENT

DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
11300 Food Service Equipment				
Food service equipment allowance	1	LSUM	100,000.00	100,000
Subtotal: Food Service Equipment				\$100,000
11900 Miscellaneous Equipment				
Laundry equipment allowance	1	LSUM	70,000.00	70,000
Subtotal: Miscellaneous Equipment				\$70,000
TOTAL: EQUIPMENT				\$170,000
F100000 SPECIAL CONSTRUCTION				
13600 Detention Systems				
Prefabricated cell system	156	EACH	25,000.00	3,900,000
Subtotal: Detention Systems				\$3,900,000
TOTAL: SPECIAL CONSTRUCTION				\$3,900,000
F200000 SELECTIVE DEMOLITION				
02100 Selective Demolition				
Interior demolition allowance - Food service/scullery/food prep	566	SQFT	17.50	9,905
Interior demolition allowance - Circulation - secure	5,960	SQFT	17.50	104,300
Interior demolition allowance - General population housing	30,066	SQFT	17.50	526,155
Interior demolition allowance - Health care services administration	3,239	SQFT	17.50	56,683
Interior demolition allowance - Laundry	347	SQFT	17.50	6,073
Interior demolition allowance - Visitation	1,779	SQFT	17.50	31,133
Interior demolition allowance - Waived youth housing	10,937	SQFT	17.50	191,398
Interior demolition allowance - Staff support	4,382	SQFT	17.50	76,685
Interior demolition allowance - Outdoor recreation	2,873	SQFT	17.50	50,278
Interior demolition allowance - Receiving/loading dock/warehouse	5,712	SQFT	17.50	99,960
Interior demolition allowance - Transitional housing	6,221	SQFT	17.50	108,868
Subtotal: Selective Demolition				\$1,261,435
02200 Environmental Abatement				
Abatement allowance at 6th & 7th flr	37,164	SQFT	15.00	557,460
Subtotal: Environmental Abatement				\$557,460
TOTAL: SELECTIVE DEMOLITION				\$1,818,895
G100000 SITE PREPARATION				
31800 Site Demolition				
Site demolition & preparation allowance	1,820	SQFT	32.74	59,584
Subtotal: Site Demolition				\$59,584
TOTAL: SITE PREPARATION				\$59,584
G200000 SITE IMPROVEMENTS				
32100 Pavement				
Site patching allowance	1,827	SQFT	32.77	59,870
Subtotal: Pavement				\$59,870
TOTAL: SITE IMPROVEMENTS				\$59,870



DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
TOTAL: CCB RENOVATION & SITEWORK				\$20,785,178

DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
PSB RENOVATION & SITEWORK				
B100000 SUPERSTRUCTURE				
03300 Cast in Place Concrete				
Structure infill at 4th floor	1,629	SQFT	54.83	89,311
Subtotal: Cast in Place Concrete				\$89,311
TOTAL: SUPERSTRUCTURE				\$89,311
B200000 EXTERIOR ENCLOSURE				
07900 Miscellaneous Thermal & Moisture Protection				
Exterior facade allowance at mechanical penthouse	3,356	SQFT	70.00	234,920
Remove precast panels & CMU back up. Install curtainwall system w/ security mesh	2,556	SQFT	130.00	332,280
Subtotal: Miscellaneous Thermal & Moisture Protection				\$567,200
08700 Special Glazing Systems				
Skylights allowance above 4th floor housing areas	1,000	SQFT	167.22	167,222
Subtotal: Special Glazing Systems				\$167,222
TOTAL: EXTERIOR ENCLOSURE				\$734,422
B300000 ROOFING				
07400 Roofing				
Roof replacement at PSB including insulation, flashing, counterflashing etc.	31,257	SQFT	23.49	734,289
Metal coping	521	LNFT	40.74	21,226
Subtotal: Roofing				\$755,515
TOTAL: ROOFING				\$755,515
C100000 INTERIOR CONSTRUCTION				
09700 Interior Construction				
Interior buildout allowance - Food service/scullery/food prep	1,857	SQFT	40.00	74,280
Interior buildout allowance - Building support - storage, maintenance, fire pump etc..	0	SQFT	18.00	0
Interior buildout allowance - Circulation - secure	4,202	SQFT	85.00	357,170
Interior buildout allowance - General population housing	10,331	SQFT	15.00	154,965
Interior buildout allowance - Health care services administration	6,013	SQFT	80.00	481,040
Interior buildout allowance - Laundry	647	SQFT	30.00	19,410
Interior buildout allowance - Mechanical room	17,522	SQFT	15.00	262,830
Interior buildout allowance - Medical & mental health housing	23,042	SQFT	32.00	737,344
Interior buildout allowance - Security operations	679	SQFT	50.00	33,950
Interior buildout allowance - Visitation	2,437	SQFT	55.00	134,035
Interior buildout allowance - Intake/release	5,230	SQFT	50.00	261,500
Interior buildout allowance - Medical clinic & administration	3,524	SQFT	80.00	281,920
Interior buildout allowance - Staff support	3,205	SQFT	25.00	80,125
Interior buildout allowance - Central Program	3,047	SQFT	30.00	91,410
Interior buildout allowance - Inmate property storage	1,238	SQFT	10.00	12,380
Interior buildout allowance - Outdoor recreation	1,842	SQFT	20.00	36,840

DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
Interior buildout allowance - Sheriff's office	3,122	SQFT	30.00	93,660
Subtotal: Interior Construction				\$3,112,859
TOTAL: INTERIOR CONSTRUCTION				\$3,112,859

C300000 INTERIOR FINISHES

09900 Miscellaneous Finishes

Interior finishes allowance - Food service/scullery/food prep	1,857	SQFT	32.00	59,424
Interior finishes allowance - Building support - storage, maintenance, fire pump etc..	0	SQFT	6.00	0
Interior finishes allowance - Circulation - secure	4,202	SQFT	20.00	84,040
Interior finishes allowance - General population housing	10,331	SQFT	12.00	123,972
Interior finishes allowance - Health care services administration	6,013	SQFT	25.00	150,325
Interior finishes allowance - Laundry	647	SQFT	24.00	15,528
Interior finishes allowance - Mechanical room	17,522	SQFT	5.00	87,610
Interior finishes allowance - Medical & mental health housing	23,042	SQFT	15.00	345,630
Interior finishes allowance - Security operations	679	SQFT	22.00	14,938
Interior finishes allowance - Visitation	2,437	SQFT	23.00	56,051
Interior finishes allowance - Intake/release	5,230	SQFT	15.00	78,450
Interior finishes allowance - Medical clinic & administration	3,524	SQFT	25.00	88,100
Interior finishes allowance - Staff support	3,205	SQFT	20.00	64,100
Interior finishes allowance - Central Program	3,047	SQFT	20.00	60,940
Interior finishes allowance - Inmate property storage	1,238	SQFT	5.00	6,190
Interior finishes allowance - Outdoor recreation	1,842	SQFT	10.00	18,420
Interior finishes allowance - Sheriff's office	3,122	SQFT	25.00	78,050
Subtotal: Miscellaneous Finishes				\$1,331,768

TOTAL: INTERIOR FINISHES				\$1,331,768
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D100000 CONVEYING

14200 Electric Traction Elevators

Electric traction elevator in existing shaft, 7 stop	1	EACH	475,000.00	475,000
Subtotal: Electric Traction Elevators				\$475,000

14900 Special Conveying Equipment

Replace inmate property conveyor system - Allowance	1	EACH	250,000.00	250,000
Subtotal: Special Conveying Equipment				\$250,000

TOTAL: CONVEYING				\$725,000
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D200000 PLUMBING

22200 Plumbing Fixtures

Rework existing plumbing systems to accommodate renovation - 1st flr, PSB	8,840	SQFT	7.50	66,300
Rework existing plumbing systems to accommodate renovation - 3rd flr, PSB	30,650	SQFT	14.00	429,100
Rework existing plumbing systems to accommodate renovation - 4th flr, PSB	30,650	SQFT	14.00	429,100
Water, waste, vent, rough-ins and connections for food tray prep and scullery, PSB	1	LSUM	41,532.80	41,533
Plumbing allowance - renovations for laundry area, PSB	1	LSUM	34,742.40	34,742
Subtotal: Plumbing Fixtures				\$1,000,775

DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
22300 Plumbing Equipment & Specialties				
Elevator sump pump - subbasement, PSB	1	EACH	1,189.52	1,190
Hub drains, elevator sump pump; connect to existing waste piping, PSB	1	EACH	2,116.16	2,116
Subtotal: Plumbing Equipment & Specialties				\$3,306
22400 Domestic Water, Waste & Vent, & Storm Drainage Piping				
Elevator sump pump discharge piping - subbasement, PSB	50	LNFT	46.60	2,330
Subtotal: Domestic Water, Waste & Vent, & Storm Drainage Piping				\$2,330
TOTAL: PLUMBING				\$1,006,411
D300000 HVAC				
23200 Ventilation & Exhaust				
HVAC systems renovation 1st flr, PSB	8,840	SQFT	15.00	132,600
HVAC systems renovation 3rd flr, PSB	30,650	SQFT	50.00	1,532,500
HVAC systems renovation 4th flr, PSB	30,650	SQFT	50.00	1,532,500
Relocate existing cooling tower serving PSB	1	LSUM	200,000.00	200,000
Replace existing AHU's serving PSB; provide controls and perform TAB - allowance	200,000	CFM	17.50	3,500,000
Subtotal: Ventilation & Exhaust				\$6,897,600
TOTAL: HVAC				\$6,897,600
D400000 FIRE PROTECTION				
21200 Fire Sprinkler Equipment & Specialties				
Reconfigure existing wet sprinkler system for renovation/buildout - 3rd flr, PSB	30,650	SQFT	5.25	160,900
Reconfigure existing wet sprinkler system for renovation/buildout - 4th flr, PSB	30,650	SQFT	5.25	160,900
Subtotal: Fire Sprinkler Equipment & Specialties				\$321,800
TOTAL: FIRE PROTECTION				\$321,800
D500000 ELECTRICAL				
26200 Main Power Distribution				
Service and distribution - Upgrade Distribution panels, transformers, panels and associated feeders 4th floor	30,650	SQFT	2.98	91,398
Service and distribution - Upgrade Distribution panels, transformers, panels and associated feeders 3rd floor	30,650	SQFT	2.98	91,398
Temporary Power	1	LSUM	50,000.00	50,000
Subtotal: Main Power Distribution				\$232,797
26400 Grounding & Lightning Protection System				
Grounding System per code	1	LSUM	20,000.00	20,000
Subtotal: Grounding & Lightning Protection System				\$20,000
26500 Lighting				
Electrical system provisions (lighting, branch power, equipment hook up) - 5th floor	13,090	SQFT	10.00	130,901
Electrical system provisions (lighting, branch power, equipment hook up) - Basement	3,200	SQFT	21.00	67,200
Electrical system provisions (lighting, branch power, equipment hook up) - 1st floor	8,840	SQFT	25.00	221,003

DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
Electrical system provisions (lighting, branch power, equipment hook up) - 2nd floor	3,122	SQFT	20.00	62,440
Miscellaneous light fixtures, interior, including mounting hardware and connections - 4th floor	30,650	SQFT	8.38	256,933
Miscellaneous light fixtures, interior, including mounting hardware and connections - 3rd floor	30,650	SQFT	8.38	256,933
Branch wiring installation 600 V, including 3/4" EMT conduit and THWN wire, 20A - 3rd, floor	30,650	SQFT	2.08	63,810
Branch wiring installation 600 V, including 3/4" EMT conduit and THWN wire, 20A - 4th, floor	30,650	SQFT	2.08	63,810
Subtotal: Lighting				\$1,123,031
26600 Branch Power Distribution & Devices				
Miscellaneous receptacles, Junction box and equipment hook up - 3rd floor	30,650	SQFT	0.72	22,093
Miscellaneous receptacles, Junction box and equipment hook up - 4th floor	30,650	SQFT	0.72	22,093
Branch wiring installation 600 V, including 3/4" EMT conduit and THWN wire, 20A - 3rd, floor	30,650	SQFT	3.10	95,003
Branch wiring installation 600 V, including 3/4" EMT conduit and THWN wire, 20A - 4th, floor	30,650	SQFT	3.10	95,003
Subtotal: Branch Power Distribution & Devices				\$234,191
26700 Mechanical Equipment Connections & Feeders				
Motors connection, disconnect switches and associated feeders	1	LSUM	75,000.00	75,000
Subtotal: Mechanical Equipment Connections & Feeders				\$75,000
27200 Tele/Data Systems				
Telecommunication/data/television A/V systems - upgrades per new layout - 1st floor	8,840	SQFT	4.00	35,360
Telecommunication/data/television A/V systems - upgrades per new layout - Basement	3,200	SQFT	3.00	9,600
Telecommunication/data/television A/V systems - upgrades per new layout - 2nd floor	3,122	SQFT	12.00	37,464
Telecommunication/data/television A/V systems - upgrades per new layout - 5th floor	13,090	SQFT	0.50	6,545
Telecommunication/data/television systems - upgrades per new layout - 3rd, floor	30,650	SQFT	4.33	132,837
Telecommunication/data/television systems - upgrades per new layout - 4th, floor	30,650	SQFT	4.33	132,837
Subtotal: Tele/Data Systems				\$354,643
27300 Intercom & Public Address Systems				
Intercommunication system - upgrades per new layout - 1st floor	8,840	SQFT	1.50	13,252
Intercommunication system - upgrades per new layout - Basement	3,200	SQFT	0.75	2,398
Intercommunication system - upgrades per new layout - 2nd floor	3,122	SQFT	1.25	3,903
Intercommunication system - upgrades per new layout - 5th floor	13,090	SQFT	0.25	3,273
Intercommunication system - upgrades per new layout - 3rd, floor	30,650	SQFT	1.01	30,849
Intercommunication system - upgrades per new layout - 4th, floor	30,650	SQFT	1.01	30,849
Subtotal: Intercom & Public Address Systems				\$84,524
27600 Audio/Visual & Television System				
Audio/Visual rough-in - upgrades per new layout - 3rd, floor	30,650	SQFT	0.30	9,195

DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
Audio/Visual rough-in - upgrades per new layout - 4th, floor	30,650	SQFT	0.30	9,195
Subtotal: Audio/Visual & Television System				\$18,390
28200 Fire Alarm Systems				
Fire alarm system - upgrades per new layout - Basement	3,200	SQFT	0.75	2,401
Fire alarm system - upgrades per new layout - 1st floor	8,840	SQFT	0.75	6,632
Fire alarm system - upgrades per new layout - 2nd floor	3,122	SQFT	0.75	2,342
Fire alarm system - upgrades per new layout - 5th floor	13,090	SQFT	0.75	9,820
Fire alarm system - upgrades per new layout - 3rd, floor	30,650	SQFT	1.89	58,057
Fire alarm system - upgrades per new layout - 4th, floor	30,650	SQFT	1.89	58,057
Subtotal: Fire Alarm Systems				\$137,309
28300 Intrusion Detection & Access Control Systems				
Security System, - upgrades per new layout - Basement	3,200	EACH	4.00	12,799
Security System, - upgrades per new layout - 1st floor	8,840	EACH	5.00	44,196
Security System, - upgrades per new layout - 2nd floor	3,122	EACH	2.00	6,243
Security System, - upgrades per new layout - 5th floor	13,090	EACH	0.50	6,544
Security System, - upgrades per new layout - 3rd, floor	30,650	EACH	4.37	133,931
Security System, - upgrades per new layout - 4th, floor	30,650	EACH	4.37	133,931
Subtotal: Intrusion Detection & Access Control Systems				\$337,645
28400 CCTV System				
CCTV System - upgrades per new layout - Basement	3,200	SQFT	6.25	19,999
CCTV System - upgrades per new layout - 1st floor	8,840	SQFT	7.50	66,298
CCTV System - upgrades per new layout - 2nd floor	3,122	SQFT	2.00	6,244
CCTV System - upgrades per new layout - 5th floor	13,090	SQFT	1.00	13,090
CCTV System - upgrades per new layout - 3rd, floor	30,650	SQFT	7.06	216,288
CCTV System - upgrades per new layout - 4th, floor	30,650	SQFT	7.06	216,288
Subtotal: CCTV System				\$538,207
TOTAL: ELECTRICAL				\$3,155,737
E100000 EQUIPMENT				
11300 Food Service Equipment				
Food service equipment allowance	1	LSUM	300,000.00	300,000
Subtotal: Food Service Equipment				\$300,000
11900 Miscellaneous Equipment				
Laundry equipment allowance	1	LSUM	130,000.00	130,000
Subtotal: Miscellaneous Equipment				\$130,000
TOTAL: EQUIPMENT				\$430,000
F100000 SPECIAL CONSTRUCTION				
13600 Detention Systems				
Prefabricated cell system	90	EACH	25,000.00	2,250,000
Subtotal: Detention Systems				\$2,250,000
TOTAL: SPECIAL CONSTRUCTION				\$2,250,000
F200000 SELECTIVE DEMOLITION				

DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
02100 Selective Demolition				
Interior demolition allowance - Food service/scullery/food prep	1,857	SQFT	17.50	32,498
Interior demolition allowance - Building support - storage, maintenance, fire pump etc..	0	SQFT	17.50	0
Interior demolition allowance - Circulation - secure	4,202	SQFT	17.50	73,535
Interior demolition allowance - General population housing	10,331	SQFT	17.50	180,793
Interior demolition allowance - Health care services administration	6,013	SQFT	17.50	105,228
Interior demolition allowance - Laundry	647	SQFT	17.50	11,323
Interior demolition allowance - Mechanical room	17,522	SQFT	15.00	262,830
Interior demolition allowance - Medical & mental health housing	23,042	SQFT	17.50	403,235
Interior demolition allowance - Security operations	679	SQFT	17.50	11,883
Interior demolition allowance - Visitation	2,437	SQFT	17.50	42,648
Interior demolition allowance - Intake/release	5,230	SQFT	17.50	91,525
Interior demolition allowance - Medical clinic & administration	3,524	SQFT	17.50	61,670
Interior demolition allowance - Staff support	3,205	SQFT	17.50	56,088
Interior demolition allowance - Central Program	3,047	SQFT	17.50	53,323
Interior demolition allowance - Inmate property storage	1,238	SQFT	17.50	21,665
Interior demolition allowance - Outdoor recreation	1,842	SQFT	17.50	32,235
Interior demolition allowance - Sheriff's office	3,122	SQFT	17.50	54,635
Subtotal: Selective Demolition				\$1,495,110
TOTAL: SELECTIVE DEMOLITION				\$1,495,110
TOTAL: PSB RENOVATION & SITEWORK				\$22,305,534
TOTAL: CCB & PSB RENOVATION & GREENFIELD HUBER OPTION				\$84,066,910

DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
PSB RENOVATION & GREENFIELD SITE OPTION				
NEW GREENFIELD & SITEWORK				
A100000 FOUNDATIONS				
03100 Concrete Formwork				
Formwork for strip footings	7,382	SQFT	6.74	49,730
Formwork for isolated column footings	12,096	SQFT	7.64	92,450
Formwork for piers	7,056	SQFT	8.97	63,300
Formwork for foundation walls	19,685	SQFT	7.29	143,588
Subtotal: Concrete Formwork				\$349,068
03200 Concrete Reinforcement				
Reinforcement in strip footings, avg 65 lbs/cy	18	TONS	2,605.70	46,903
Reinforcement in isolated column footings, avg 80 lbs/cy	36	TONS	2,605.70	93,805
Reinforcement in piers, avg 125 lbs/cy	8	TONS	3,012.17	24,097
Reinforcement in foundation walls, avg 115 lbs/cy	35	TONS	2,763.77	96,732
Subtotal: Concrete Reinforcement				\$261,537
03300 Cast in Place Concrete				
Concrete in strip footings	547	CUYD	159.73	87,373
Concrete in isolated column footings	896	CUYD	167.14	149,755
Concrete in piers	131	CUYD	196.76	25,775
Concrete in foundation walls	608	CUYD	165.02	100,333
Elevator foundation allowance including waterproofing	1	EACH	30,000.00	30,000
Concrete slab on grade	186,313	SQFT	5.98	1,114,524
CA-6 base, 6" thk, at concrete slab on grade	3,450	CUYD	44.32	152,915
Vapor barrier at slab	186,313	SQFT	0.99	184,152
Subtotal: Cast in Place Concrete				\$1,844,827
07200 Thermal Insulation				
Foundation insulation	9,843	SQFT	2.42	23,803
Subtotal: Thermal Insulation				\$23,803
31300 Foundation Excavation & Fill				
Excavate for foundations	5,772	CUYD	10.62	61,306
Backfill with excavated material	3,590	CUYD	7.68	27,558
Haul off excavated material as CCDD	2,182	CUYD	32.87	71,721
Subtotal: Foundation Excavation & Fill				\$160,585
TOTAL: FOUNDATIONS				\$2,639,821
B100000 SUPERSTRUCTURE				
03400 Cementitious Decks				
NLWT Concrete on metal floor deck	63,594	SQFT	5.23	332,291
Subtotal: Cementitious Decks				\$332,291
05100 Structural Steel				
Structural steel beams & columns, floor, allow 15 lbs/sf	477	TONS	3,479.30	1,659,624
Structural steel beams & columns, roof, allow 8 lbs/sf	741	TONS	3,479.30	2,578,158
Composite metal floor deck	63,594	SQFT	4.38	278,319

DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
Metal roof deck	185,332	SQFT	4.02	745,869
05400 Metal Fabrications				
Elevator pit ladder	2	EACH	702.73	1,405
07700 Fireproofing & Firestopping				
Fireproof steel structure	63,594	SQFT	4.65	296,005
Subtotal: Structural Steel				\$5,261,970
Subtotal: Metal Fabrications				\$1,405
Subtotal: Fireproofing & Firestopping				\$296,005
TOTAL: SUPERSTRUCTURE				\$5,891,671
B200000 EXTERIOR ENCLOSURE				
07900 Miscellaneous Thermal & Moisture Protection				
Exterior facade, precast with glazed openings - allowance	65,232	SQFT	80.00	5,218,560
Subtotal: Miscellaneous Thermal & Moisture Protection				\$5,218,560
TOTAL: EXTERIOR ENCLOSURE				\$5,218,560
B300000 ROOFING				
07400 Roofing				
Roofing including insulation, flashing, counterflashing etc.	185,332	SQFT	20.79	3,853,719
Metal coping	4,220	LNFT	37.59	158,640
Subtotal: Roofing				\$4,012,360
TOTAL: ROOFING				\$4,012,360
C100000 INTERIOR CONSTRUCTION				
05900 Miscellaneous Metals				
Miscellaneous angles, channels, lintels, etc.	256,390	SQFT	1.40	359,946
Subtotal: Miscellaneous Metals				\$359,946
06200 Rough Carpentry				
Miscellaneous wood blocking & rough carpentry	256,390	SQFT	1.13	289,080
Subtotal: Rough Carpentry				\$289,080
07800 Caulking & Sealants				
Miscellaneous caulking & sealants	256,390	SQFT	0.21	53,380
Subtotal: Caulking & Sealants				\$53,380
09700 Interior Construction				
Interior buildout allowance - Food service/scullery/food prep	1,365	SQFT	38.00	51,870
Interior buildout allowance - Building support - storage, maintenance, fire pump etc..	29,447	SQFT	17.00	500,599
Interior buildout allowance - Circulation - secure	18,840	SQFT	80.75	1,521,330
Interior buildout allowance - General population housing	93,906	SQFT	14.25	1,338,161
Interior buildout allowance - Laundry	937	SQFT	28.50	26,705
Interior buildout allowance - Medical & mental health housing	16,843	SQFT	30.50	513,712
Interior buildout allowance - Security operations	3,648	SQFT	47.50	173,280
Interior buildout allowance - Visitation	6,527	SQFT	52.25	341,036
Interior buildout allowance - Waived youth housing	16,635	SQFT	14.25	237,049

DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
Interior buildout allowance - Central control - control room etc.	2,696	SQFT	33.25	89,642
Interior buildout allowance - Intake/release	18,802	SQFT	47.50	893,095
Interior buildout allowance - Medical clinic & administration	9,155	SQFT	76.00	695,780
Interior buildout allowance - Staff support	6,396	SQFT	23.75	151,905
Interior buildout allowance - Receiving/loading dock/warehouse	18,580	SQFT	19.00	353,020
Interior buildout allowance - Public entry/lobby	4,632	SQFT	28.50	132,012
Subtotal: Interior Construction				\$7,019,194

TOTAL: INTERIOR CONSTRUCTION	\$7,721,600
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C200000 STAIRS

05300 Stairs

Concrete filled metal pan stair, 2 flights, 1/2 landing incl. railings	2	EACH	26,183.90	52,368
Metal stair & railings at mezzanine	6	EACH	16,022.10	96,133
Subtotal: Stairs				\$148,500

TOTAL: STAIRS	\$148,500
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C300000 INTERIOR FINISHES

09900 Miscellaneous Finishes

Interior finishes allowance - Food service/scullery/food prep	1,365	SQFT	30.50	41,633
Interior finishes allowance - Building support - storage, maintenance, fire pump etc..	29,447	SQFT	5.75	169,320
Interior finishes allowance - Circulation - secure	18,840	SQFT	19.00	357,960
Interior finishes allowance - General population housing	93,906	SQFT	11.50	1,079,919
Interior finishes allowance - Laundry	937	SQFT	22.75	21,317
Interior finishes allowance - Medical & mental health housing	16,843	SQFT	14.25	240,013
Interior finishes allowance - Security operations	3,648	SQFT	21.00	76,608
Interior finishes allowance - Visitation	6,527	SQFT	21.75	141,962
Interior finishes allowance - Waived youth housing	16,635	SQFT	11.50	191,303
Interior finishes allowance - Central control - control room etc.	2,696	SQFT	23.75	64,030
Interior finishes allowance - Intake/release	18,802	SQFT	14.25	267,929
Interior finishes allowance - Medical clinic & administration	9,155	SQFT	23.75	217,431
Interior finishes allowance - Staff support	6,396	SQFT	19.00	121,524
Interior finishes allowance - Receiving/loading dock/warehouse	18,580	SQFT	8.00	148,640
Interior finishes allowance - Public entry/lobby	4,632	SQFT	14.25	66,006
Subtotal: Miscellaneous Finishes				\$3,205,594

TOTAL: INTERIOR FINISHES	\$3,205,594
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D100000 CONVEYING

14200 Electric Traction Elevators

Electric traction elevator, 2 stop	2	EACH	140,000.00	280,000
Subtotal: Electric Traction Elevators				\$280,000

14900 Special Conveying Equipment

Inmate property conveyor system - Allowance	1	EACH	250,000.00	250,000
Subtotal: Special Conveying Equipment				\$250,000

TOTAL: CONVEYING	\$530,000
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DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
D200000 PLUMBING				
22200 Plumbing Fixtures				
Plumbing systems including non-security fixtures, cell plumbing connections, equipment and specialties, piping, tagging and testing	256,390	SQFT	16.00	4,102,240
			Subtotal: Plumbing Fixtures	\$4,102,240
TOTAL: PLUMBING				\$4,102,240
D300000 HVAC				
23200 Ventilation & Exhaust				
HVAC systems including ventilation, exhaust, hydronic heating & cooling, controls, TAB	256,390	SQFT	55.00	14,101,450
			Subtotal: Ventilation & Exhaust	\$14,101,450
TOTAL: HVAC				\$14,101,450
D400000 FIRE PROTECTION				
21200 Fire Sprinkler Equipment & Specialties				
Wet sprinkler system	256,390	SQFT	4.90	1,256,080
Fire pump, 1500 gpm, electric motor, w/controller	1	EACH	46,145.92	46,146
Jockey pump, electric motor, w/controller	1	EACH	3,118.24	3,118
Fire pump test connection, polished brass finish, 6" 4-way	1	EACH	5,837.76	5,838
			Subtotal: Fire Sprinkler Equipment & Specialties	\$1,311,182
TOTAL: FIRE PROTECTION				\$1,311,182
D500000 ELECTRICAL				
26200 Main Power Distribution				
Main Distribution service, switchboard and associated feeders	1	EACH	217,116.00	217,116
Service and distribution - Distribution panels, transformers, panels and associated feeders	256,390	SQFT	6.49	1,664,715
			Subtotal: Main Power Distribution	\$1,881,831
26300 Emergency Power Distribution				
Emergency Service and distribution - Generator, ATS, distribution panels, transformers, panels and associated feeders	256,390	SQFT	3.65	934,824
			Subtotal: Emergency Power Distribution	\$934,824
26400 Grounding & Lightning Protection System				
Grounding System per code	1	LSUM	100,000.00	100,000
			Subtotal: Grounding & Lightning Protection System	\$100,000
26500 Lighting				
Lighting and power provisions at parking	37,000	SQFT	3.40	125,793
Miscellaneous light fixtures, interior, including mounting hardware and connections	256,390	SQFT	7.13	1,826,881
Exit lighting, L.E.D. w/ battery unit, double or single face, ceiling or wall mount	256,390	SQFT	0.28	71,148
Lighting control system	256,390	SQFT	1.19	305,540
Branch wiring installation 600 V, including 3/4" EMT conduit and THWN wire, 20A	256,390	SQFT	1.77	453,708
			Subtotal: Lighting	\$2,783,070

DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
26600 Branch Power Distribution & Devices				
Miscellaneous receptacles	256,390	SQFT	0.61	157,090
Junction box and equipment hook up	256,390	SQFT	0.37	96,044
Branch wiring installation 600 V, including 3/4" EMT conduit and THWN wire, 20A	256,390	SQFT	2.63	675,511
Subtotal: Branch Power Distribution & Devices				\$928,645
26700 Mechanical Equipment Connections & Feeders				
Motors connection, disconnect switches and associated feeders	1	LSUM	274,999.99	275,000
Subtotal: Mechanical Equipment Connections & Feeders				\$275,000
27200 Tele/Data Systems				
Telecommunication/data/television systems	256,390	SQFT	6.05	1,550,954
Subtotal: Tele/Data Systems				\$1,550,954
27300 Intercom & Public Address Systems				
Intercommunication system	256,390	SQFT	1.70	435,632
Subtotal: Intercom & Public Address Systems				\$435,632
27600 Audio/Visual & Television System				
Audio/Visual rough-in	256,390	SQFT	0.30	76,917
Subtotal: Audio/Visual & Television System				\$76,917
28200 Fire Alarm Systems				
Fire alarm system	256,390	SQFT	2.13	544,931
Subtotal: Fire Alarm Systems				\$544,931
28300 Intrusion Detection & Access Control Systems				
Security System	256,390	EACH	7.01	1,797,807
Subtotal: Intrusion Detection & Access Control Systems				\$1,797,807
28400 CCTV System				
CCTV System	256,390	SQFT	10.50	2,691,351
Subtotal: CCTV System				\$2,691,351
TOTAL: ELECTRICAL				\$14,000,962
E100000 EQUIPMENT				
11300 Food Service Equipment				
Food service equipment allowance	1	LSUM	300,000.00	300,000
Subtotal: Food Service Equipment				\$300,000
11900 Miscellaneous Equipment				
Laundry equipment allowance	1	LSUM	200,000.00	200,000
Subtotal: Miscellaneous Equipment				\$200,000
TOTAL: EQUIPMENT				\$500,000
F100000 SPECIAL CONSTRUCTION				
13600 Detention Systems				
Prefabricated cell system	262	EACH	25,000.00	6,550,000
Subtotal: Detention Systems				\$6,550,000
TOTAL: SPECIAL CONSTRUCTION				\$6,550,000

DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
G100000 SITE PREPARATION				
31800 Site Demolition				
Site demolition & preparation allowance	15	ACRE	7,950.74	119,261
	Subtotal: Site Demolition			\$119,261
TOTAL: SITE PREPARATION				\$119,261
G200000 SITE IMPROVEMENTS				
32100 Pavement				
Surface parking, 125 vehicles	37,500	SQFT	15.64	586,549
Pavement - allowance	43,000	SQFT	7.19	309,273
Entry Plaza - allowance	5,000	SQFT	46.28	231,414
	Subtotal: Pavement			\$1,127,235
32600 Landscaping				
Landscape minimal trees & shrubs, seed, etc. - allowance	380,000	SQFT	0.76	289,636
	Subtotal: Landscaping			\$289,636
TOTAL: SITE IMPROVEMENTS				\$1,416,871
G300000 CIVIL & MECHANICAL UTILITIES				
33200 Site Water Service				
Combined domestic and fire water service - allowance	1	LSUM	40,000.00	40,000
	Subtotal: Site Water Service			\$40,000
33300 Site Sanitary & Storm Sewer				
Storm and sanitary sewer provisions	1	LSUM	175,000.00	175,000
	Subtotal: Site Sanitary & Storm Sewer			\$175,000
TOTAL: CIVIL & MECHANICAL UTILITIES				\$215,000
G400000 SITE ELECTRICAL UTILITIES				
33800 Site Electrical				
Utility company provisions and coordination - Power and Telecommunication/data/television	1	LSUM	35,000.00	35,000
Site lighting	1	EACH	150,000.00	150,000
	Subtotal: Site Electrical			\$185,000
TOTAL: SITE ELECTRICAL UTILITIES				\$185,000
TOTAL: NEW GREENFIELD & SITEWORK				\$71,870,073

DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
PSB RENOVATION & SITEWORK				
B100000 SUPERSTRUCTURE				
03300 Cast in Place Concrete				
Structure allowance at penthouse	4,432	SQFT	49.27	218,367
Subtotal: Cast in Place Concrete				\$218,367
TOTAL: SUPERSTRUCTURE				\$218,367
B200000 EXTERIOR ENCLOSURE				
07200 Thermal Insulation				
Subtotal: Thermal Insulation				\$0
07900 Miscellaneous Thermal & Moisture Protection				
Exterior facade allowance at mechanical penthouse	3,356	SQFT	70.00	234,920
Remove precast panels & CMU back up. Install curtainwall system w/ security mesh	721	SQFT	130.00	93,730
Subtotal: Miscellaneous Thermal & Moisture Protection				\$328,650
08200 Curtainwall & Storefront				
Subtotal: Curtainwall & Storefront				\$0
08700 Special Glazing Systems				
Skylights allowance above 4th floor housing areas	1,000	SQFT	167.22	167,222
Subtotal: Special Glazing Systems				\$167,222
09100 Plaster & Gypsum Board				
Subtotal: Plaster & Gypsum Board				\$0
TOTAL: EXTERIOR ENCLOSURE				\$495,872
B300000 ROOFING				
07400 Roofing				
Roof replacement at PSB including insulation, flashing, counterflashing etc.	31,257	SQFT	23.49	734,289
Metal coping	446	LNFT	40.74	18,170
Subtotal: Roofing				\$752,460
TOTAL: ROOFING				\$752,460
C100000 INTERIOR CONSTRUCTION				
09100 Plaster & Gypsum Board				
Subtotal: Plaster & Gypsum Board				\$0
09700 Interior Construction				
Interior buildout allowance - Food service/scullery/food prep	1,368	SQFT	40.00	54,720
Interior buildout allowance - Circulation - secure	2,089	SQFT	85.00	177,565
Interior buildout allowance - General population housing	10,507	SQFT	15.00	157,605
Interior buildout allowance - Health care services administration	2,492	SQFT	80.00	199,360
Interior buildout allowance - Laundry	647	SQFT	30.00	19,410
Interior buildout allowance - Mechanical room	17,522	SQFT	15.00	262,830
Interior buildout allowance - Medical & mental health housing	8,362	SQFT	32.00	267,584
Interior buildout allowance - Visitation	5,089	SQFT	55.00	279,895

DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
Interior buildout allowance - Intake/release	4,560	SQFT	50.00	228,000
Interior buildout allowance - Medical clinic & administration	1,946	SQFT	80.00	155,680
Interior buildout allowance - Staff support	727	SQFT	25.00	18,175
Interior buildout allowance - Inmate property storage	1,238	SQFT	10.00	12,380
Interior buildout allowance - Outdoor recreation	868	SQFT	20.00	17,360
Interior buildout allowance - Receiving/loading dock/warehouse	952	SQFT	20.00	19,040
Interior buildout allowance - Sheriff's office	3,122	SQFT	30.00	93,660
Interior buildout allowance - Jail administration/diversion	930	SQFT	30.00	27,900
Subtotal: Interior Construction				\$1,991,164
TOTAL: INTERIOR CONSTRUCTION				\$1,991,164

C300000 INTERIOR FINISHES

09400 Ceiling Finishes

Subtotal: Ceiling Finishes \$0

09900 Miscellaneous Finishes

Interior finishes allowance - Food service/scullery/food prep	1,368	SQFT	32.00	43,776
Interior finishes allowance - Circulation - secure	2,089	SQFT	20.00	41,780
Interior finishes allowance - General population housing	10,507	SQFT	12.00	126,084
Interior finishes allowance - Health care services administration	2,492	SQFT	25.00	62,300
Interior finishes allowance - Laundry	647	SQFT	24.00	15,528
Interior finishes allowance - Mechanical room	17,522	SQFT	5.00	87,610
Interior finishes allowance - Medical & mental health housing	8,362	SQFT	15.00	125,430
Interior finishes allowance - Visitation	5,089	SQFT	23.00	117,047
Interior finishes allowance - Intake/release	4,560	SQFT	15.00	68,400
Interior finishes allowance - Medical clinic & administration	1,946	SQFT	25.00	48,650
Interior finishes allowance - Staff support	727	SQFT	20.00	14,540
Interior finishes allowance - Inmate property storage	1,238	SQFT	5.00	6,190
Interior finishes allowance - Outdoor recreation	868	SQFT	10.00	8,680
Interior finishes allowance - Receiving/loading dock/warehouse	952	SQFT	8.50	8,092
Interior finishes allowance - Sheriff's office	3,122	SQFT	25.00	78,050
Interior finishes allowance - Jail administration/diversion	930	SQFT	20.00	18,600

Subtotal: Miscellaneous Finishes \$870,757

TOTAL: INTERIOR FINISHES	\$870,757
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D100000 CONVEYING

14200 Electric Traction Elevators

Electric traction elevator in existing shaft, 7 stop	1	EACH	475,000.00	475,000
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Subtotal: Electric Traction Elevators \$475,000

14900 Special Conveying Equipment

Replace inmate property conveyor system - Allowance	1	EACH	250,000.00	250,000
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Subtotal: Special Conveying Equipment \$250,000

TOTAL: CONVEYING	\$725,000
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D200000 PLUMBING

22200 Plumbing Fixtures

DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
Rework existing plumbing systems to accommodate renovation - 1st flr, PSB	8,840	SQFT	7.50	66,300
Rework existing plumbing systems to accommodate renovation - 3rd flr, PSB	3,230	SQFT	14.00	45,220
Rework existing plumbing systems to accommodate renovation - 4th flr, PSB	30,650	SQFT	14.00	429,100
Water, waste, vent, rough-ins and connections for food tray prep and scullery, PSB	1	LSUM	41,532.80	41,533
Plumbing allowance - renovations for laundry area, PSB	1	LSUM	34,742.40	34,742
Subtotal: Plumbing Fixtures				\$616,895
22300 Plumbing Equipment & Specialties				
Elevator sump pump - subbasement, PSB	1	EACH	1,189.52	1,190
Hub drains, elevator sump pump; connect to existing waste piping, PSB	1	EACH	2,116.16	2,116
Subtotal: Plumbing Equipment & Specialties				\$3,306
22400 Domestic Water, Waste & Vent, & Storm Drainage Piping				
Elevator sump pump discharge piping - subbasement, PSB	50	LNFT	46.60	2,330
Subtotal: Domestic Water, Waste & Vent, & Storm Drainage Piping				\$2,330
TOTAL: PLUMBING				\$622,531
D300000 HVAC				
23200 Ventilation & Exhaust				
HVAC systems renovation 1st flr, PSB	8,840	SQFT	15.00	132,600
HVAC systems renovation 3rd flr, PSB	3,230	SQFT	50.00	161,500
HVAC systems renovation 4th flr, PSB	30,650	SQFT	50.00	1,532,500
Relocate existing cooling tower serving PSB	1	LSUM	200,000.00	200,000
Replace existing AHU's serving PSB; provide controls and perform TAB - allowance	200,000	CFM	17.50	3,500,000
Subtotal: Ventilation & Exhaust				\$5,526,600
TOTAL: HVAC				\$5,526,600
D400000 FIRE PROTECTION				
21200 Fire Sprinkler Equipment & Specialties				
Reconfigure existing wet sprinkler system for renovation/buildout - 3rd flr	3,230	SQFT	5.25	16,956
Reconfigure existing wet sprinkler system for renovation/buildout - 4th flr	30,650	SQFT	5.25	160,900
Subtotal: Fire Sprinkler Equipment & Specialties				\$177,856
TOTAL: FIRE PROTECTION				\$177,856
D500000 ELECTRICAL				
26200 Main Power Distribution				
Service and distribution - Upgrade Distribution panels, transformers, panels and associated feeders 4th floor	30,650	SQFT	2.98	91,398
Temporary Power	1	LSUM	200,000.00	200,000
Subtotal: Main Power Distribution				\$291,398
26400 Grounding & Lightning Protection System				
Grounding System per code	1	LSUM	10,000.00	10,000
Subtotal: Grounding & Lightning Protection System				\$10,000
26500 Lighting				

DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
Electrical system provisions (lighting, branch power, equipment hook up) - 2nd floor	3,122	SQFT	20.00	62,440
Electrical system provisions (lighting, branch power, equipment hook up) - 5th floor	13,090	SQFT	10.00	130,901
Electrical system provisions (lighting, branch power, equipment hook up) - 3rd floor	3,230	SQFT	25.00	80,751
Electrical system provisions (lighting, branch power, equipment hook up) - 1st floor	9,200	SQFT	25.00	230,003
Electrical system provisions (lighting, branch power, equipment hook up) - Basement	3,200	SQFT	21.00	67,200
Miscellaneous light fixtures, interior, including mounting hardware and connections - 4th floor	30,650	SQFT	8.38	256,933
Branch wiring installation 600 V, including 3/4" EMT conduit and THWN wire, 20A - 4th, floor	30,650	SQFT	2.08	63,810
Subtotal: Lighting				\$892,039
26600 Branch Power Distribution & Devices				
Miscellaneous receptacles, Junction box and equipment hook up - 4th floor	30,650	SQFT	0.72	22,093
Branch wiring installation 600 V, including 3/4" EMT conduit and THWN wire, 20A - 4th, floor	30,650	SQFT	3.10	95,003
Subtotal: Branch Power Distribution & Devices				\$117,095
26700 Mechanical Equipment Connections & Feeders				
Motors connection, disconnect switches and associated feeders	1	LSUM	75,000.00	75,000
Subtotal: Mechanical Equipment Connections & Feeders				\$75,000
27200 Tele/Data Systems				
Telecommunication/data/television A/V systems - upgrades per new layout - Basement	3,200	SQFT	3.00	9,600
Telecommunication/data/television A/V systems - upgrades per new layout - 2nd floor	3,122	SQFT	12.00	37,464
Telecommunication/data/television A/V systems - upgrades per new layout - 3rd floor	3,230	SQFT	4.00	12,920
Telecommunication/data/television A/V systems - upgrades per new layout - 1st floor	9,200	SQFT	4.00	36,800
Telecommunication/data/television A/V systems - upgrades per new layout - 5th floor	13,090	SQFT	0.50	6,545
Telecommunication/data/television systems - upgrades per new layout - 4th, floor	30,650	SQFT	4.33	132,837
Subtotal: Tele/Data Systems				\$236,166
27300 Intercom & Public Address Systems				
Intercommunication system - upgrades per new layout - Basement	3,200	SQFT	0.75	2,398
Intercommunication system - upgrades per new layout - 2nd floor	3,122	SQFT	1.25	3,903
Intercommunication system - upgrades per new layout - 5th floor	13,090	SQFT	0.25	3,273
Intercommunication system - upgrades per new layout - 1st floor	9,200	SQFT	1.50	13,792
Intercommunication system - upgrades per new layout - 3rd floor	3,230	SQFT	1.50	4,842
Intercommunication system - upgrades per new layout - 6th, floor	42,450	SQFT	1.01	42,726
Intercommunication system - upgrades per new layout - 4th, floor	30,650	SQFT	1.01	30,849
Subtotal: Intercom & Public Address Systems				\$101,783

DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
27600 Audio/Visual & Television System				
Audio/Visual rough-in - upgrades per new layout - 4th, floor	30,650	SQFT	0.30	9,195
Subtotal: Audio/Visual & Television System				\$9,195
28200 Fire Alarm Systems				
Fire alarm system - upgrades per new layout - 1st floor	9,200	SQFT	0.75	6,902
Fire alarm system - upgrades per new layout - 3rd floor	3,230	SQFT	0.75	2,423
Fire alarm system - upgrades per new layout - 2nd floor	3,122	SQFT	0.75	2,342
Fire alarm system - upgrades per new layout - 5th floor	13,090	SQFT	0.75	9,820
Fire alarm system - upgrades per new layout - Basement	3,200	SQFT	0.75	2,401
Fire alarm system - upgrades per new layout - 4th, floor	30,650	SQFT	1.89	58,057
Subtotal: Fire Alarm Systems				\$81,945
28300 Intrusion Detection & Access Control Systems				
Security System, - upgrades per new layout - Basement	3,200	EACH	4.00	12,799
Security System, - upgrades per new layout - 1st floor	9,200	EACH	5.00	45,996
Security System, - upgrades per new layout - 3rd floor	3,230	EACH	5.00	16,149
Security System, - upgrades per new layout - 2nd floor	3,122	EACH	2.00	6,243
Security System, - upgrades per new layout - 5th floor	13,090	EACH	0.50	6,544
Security System, - upgrades per new layout - 4th, floor	30,650	EACH	4.37	133,931
Subtotal: Intrusion Detection & Access Control Systems				\$221,662
28400 CCTV System				
CCTV System - upgrades per new layout - 3rd floor	3,230	SQFT	7.50	24,224
CCTV System - upgrades per new layout - 2nd floor	3,122	SQFT	2.00	6,244
CCTV System - upgrades per new layout - 1st floor	9,200	SQFT	7.50	68,998
CCTV System - upgrades per new layout - Basement	3,200	SQFT	6.25	19,999
CCTV System - upgrades per new layout - 5th floor	13,090	SQFT	1.00	13,090
CCTV System - upgrades per new layout - 4th, floor	30,650	SQFT	7.06	216,288
Subtotal: CCTV System				\$348,844
TOTAL: ELECTRICAL				\$2,385,127
E100000 EQUIPMENT				
11300 Food Service Equipment				
Food service equipment allowance	1	LSUM	300,000.00	300,000
Subtotal: Food Service Equipment				\$300,000
11900 Miscellaneous Equipment				
Laundry equipment allowance	1	LSUM	200,000.00	200,000
Subtotal: Miscellaneous Equipment				\$200,000
TOTAL: EQUIPMENT				\$500,000
F100000 SPECIAL CONSTRUCTION				
13600 Detention Systems				
Prefabricated cell system	52	EACH	25,000.00	1,300,000
Subtotal: Detention Systems				\$1,300,000
TOTAL: SPECIAL CONSTRUCTION				\$1,300,000

DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
F200000 SELECTIVE DEMOLITION				
02100 Selective Demolition				
Interior demolition allowance - Food service/scullery/food prep	1,368	SQFT	17.50	23,940
Interior demolition allowance - Circulation - secure	2,089	SQFT	17.50	36,558
Interior demolition allowance - General population housing	10,507	SQFT	17.50	183,873
Interior demolition allowance - Health care services administration	2,492	SQFT	17.50	43,610
Interior demolition allowance - Laundry	647	SQFT	17.50	11,323
Interior demolition allowance - Mechanical room	17,522	SQFT	15.00	262,830
Interior demolition allowance - Medical & mental health housing	8,362	SQFT	17.50	146,335
Interior demolition allowance - Visitation	5,089	SQFT	17.50	89,058
Interior demolition allowance - Intake/release	4,560	SQFT	17.50	79,800
Interior demolition allowance - Medical clinic & administration	1,946	SQFT	17.50	34,055
Interior demolition allowance - Staff support	727	SQFT	17.50	12,723
Interior demolition allowance - Inmate property storage	1,238	SQFT	17.50	21,665
Interior demolition allowance - Outdoor recreation	868	SQFT	17.50	15,190
Interior demolition allowance - Receiving/loading dock/warehouse	952	SQFT	17.50	16,660
Interior demolition allowance - Sheriff's office	3,122	SQFT	17.50	54,635
Interior demolition allowance - Jail administration/diversion	930	SQFT	17.50	16,275
Subtotal: Selective Demolition				\$1,048,528
TOTAL: SELECTIVE DEMOLITION				\$1,048,528
TOTAL: PSB RENOVATION & SITEWORK				\$16,614,262
TOTAL: PSB RENOVATION & GREENFIELD SITE OPTION				\$88,484,335

DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
ALL GREENFIELD SITE OPTION				
NEW GREENFIELD & SITEWORK				
A100000 FOUNDATIONS				
03100 Concrete Formwork				
Formwork for strip footings	10,147	SQFT	6.74	68,357
Formwork for isolated column footings	18,480	SQFT	7.64	141,243
Formwork for piers	10,780	SQFT	8.97	96,708
Formwork for foundation walls	27,056	SQFT	7.29	197,355
Subtotal: Concrete Formwork				\$503,663
03200 Concrete Reinforcement				
Reinforcement in strip footings, avg 65 lbs/cy	24	TONS	2,605.70	62,537
Reinforcement in isolated column footings, avg 80 lbs/cy	55	TONS	2,605.70	143,314
Reinforcement in piers, avg 125 lbs/cy	13	TONS	3,012.17	39,158
Reinforcement in foundation walls, avg 115 lbs/cy	48	TONS	2,763.77	132,661
Subtotal: Concrete Reinforcement				\$377,670
03300 Cast in Place Concrete				
Concrete in strip footings	752	CUYD	159.73	120,118
Concrete in isolated column footings	1,369	CUYD	167.14	228,811
Concrete in piers	200	CUYD	196.76	39,352
Concrete in foundation walls	835	CUYD	165.02	137,793
Elevator foundation allowance including waterproofing	1	EACH	30,000.00	30,000
Concrete slab on grade	299,933	SQFT	5.98	1,794,199
CA-6 base, 6" thk, at concrete slab on grade	5,555	CUYD	44.32	246,215
Vapor barrier at slab	299,933	SQFT	0.99	296,454
Subtotal: Cast in Place Concrete				\$2,892,942
07200 Thermal Insulation				
Foundation insulation	13,528	SQFT	2.42	32,715
Subtotal: Thermal Insulation				\$32,715
31300 Foundation Excavation & Fill				
Excavate for foundations	8,484	CUYD	10.62	90,111
Backfill with excavated material	5,328	CUYD	7.68	40,899
Haul off excavated material as CCDD	3,156	CUYD	32.87	103,736
Subtotal: Foundation Excavation & Fill				\$234,745
TOTAL: FOUNDATIONS				\$4,041,734
B100000 SUPERSTRUCTURE				
03400 Cementitious Decks				
NLWT Concrete on metal floor deck	113,282	SQFT	5.23	591,921
Subtotal: Cementitious Decks				\$591,921
05100 Structural Steel				
Structural steel beams & columns, floor, allow 15 lbs/sf	850	TONS	3,479.30	2,957,401
Structural steel beams & columns, roof, allow 8 lbs/sf	1,209	TONS	3,479.30	4,206,469
Composite metal floor deck	113,282	SQFT	4.38	495,779

DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
Metal roof deck	302,172	SQFT	4.02	1,216,091
05400 Metal Fabrications				
Elevator pit ladder	2	EACH	702.73	1,405
07700 Fireproofing & Firestopping				
Fireproof steel structure	113,282	SQFT	4.65	527,282
Subtotal: Structural Steel				\$8,875,740
Subtotal: Metal Fabrications				\$1,405
Subtotal: Fireproofing & Firestopping				\$527,282
TOTAL: SUPERSTRUCTURE				\$9,996,349
B200000 EXTERIOR ENCLOSURE				
07900 Miscellaneous Thermal & Moisture Protection				
Exterior facade, precast with glazed openings - allowance	91,167	SQFT	80.00	7,293,360
Subtotal: Miscellaneous Thermal & Moisture Protection				\$7,293,360
TOTAL: EXTERIOR ENCLOSURE				\$7,293,360
B300000 ROOFING				
07400 Roofing				
Roofing including insulation, flashing, counterflashing etc.	302,172	SQFT	20.79	6,283,244
Metal coping	5,764	LNFT	37.59	216,683
Subtotal: Roofing				\$6,499,927
TOTAL: ROOFING				\$6,499,927
C100000 INTERIOR CONSTRUCTION				
05900 Miscellaneous Metals				
Miscellaneous angles, channels, lintels, etc.	416,810	SQFT	1.40	585,160
Subtotal: Miscellaneous Metals				\$585,160
06200 Rough Carpentry				
Miscellaneous wood blocking & rough carpentry	416,810	SQFT	1.13	469,953
Subtotal: Rough Carpentry				\$469,953
07800 Caulking & Sealants				
Miscellaneous caulking & sealants	416,810	SQFT	0.21	86,780
Subtotal: Caulking & Sealants				\$86,780
09700 Interior Construction				
Interior buildout allowance - Food service/scullery/food prep	1,367	SQFT	38.00	51,946
Interior buildout allowance - Building support - storage, maintenance, fire pump etc..	37,135	SQFT	17.00	631,295
Interior buildout allowance - Circulation - secure	24,472	SQFT	80.75	1,976,114
Interior buildout allowance - General population housing	173,579	SQFT	14.25	2,473,501
Interior buildout allowance - Laundry	932	SQFT	28.50	26,562
Interior buildout allowance - Medical & mental health housing	25,194	SQFT	30.50	768,417
Interior buildout allowance - Security operations	3,622	SQFT	47.50	172,045
Interior buildout allowance - Visitation	7,692	SQFT	52.25	401,907
Interior buildout allowance - Waived youth housing	16,650	SQFT	14.25	237,263

DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
Interior buildout allowance - Central control - control room etc.	2,576	SQFT	33.25	85,652
Interior buildout allowance - Huber entry/exit	2,867	SQFT	28.50	81,710
Interior buildout allowance - Intake/release	18,819	SQFT	47.50	893,903
Interior buildout allowance - Medical clinic & administration	9,104	SQFT	76.00	691,904
Interior buildout allowance - Programs/offices	10,970	SQFT	28.50	312,645
Interior buildout allowance - Staff support	10,062	SQFT	23.75	238,973
Interior buildout allowance - Receiving/loading dock/warehouse	7,753	SQFT	19.00	147,307
Interior buildout allowance - Sheriff's office	42,090	SQFT	28.50	1,199,565
Interior buildout allowance - Jail administration/diversion	8,351	SQFT	28.50	238,004
Interior buildout allowance - Public entry/lobby	4,672	SQFT	28.50	133,152
Interior buildout allowance - Initial appearance court	3,792	SQFT	47.50	180,120
Subtotal: Interior Construction				\$10,941,982

TOTAL: INTERIOR CONSTRUCTION **\$12,083,875**

C200000 STAIRS

05300 Stairs

Concrete filled metal pan stair, 2 flights, 1/2 landing incl. railings	3	EACH	26,183.90	78,552
Metal stair & railings at mezzanine	12	EACH	16,022.10	192,265

Subtotal: Stairs **\$270,817**

TOTAL: STAIRS **\$270,817**

C300000 INTERIOR FINISHES

09900 Miscellaneous Finishes

Interior finishes allowance - Food service/scullery/food prep	1,367	SQFT	30.50	41,694
Interior finishes allowance - Building support - storage, maintenance, fire pump etc..	37,135	SQFT	5.75	213,526
Interior finishes allowance - Circulation - secure	24,472	SQFT	19.00	464,968
Interior finishes allowance - General population housing	173,579	SQFT	11.50	1,996,159
Interior finishes allowance - Laundry	932	SQFT	22.75	21,203
Interior finishes allowance - Medical & mental health housing	25,194	SQFT	14.25	359,015
Interior finishes allowance - Security operations	3,622	SQFT	21.00	76,062
Interior finishes allowance - Visitation	7,692	SQFT	21.75	167,301
Interior finishes allowance - Waived youth housing	16,650	SQFT	11.50	191,475
Interior finishes allowance - Central control - control room etc.	2,576	SQFT	23.75	61,180
Interior finishes allowance - Huber entry/exit	2,867	SQFT	14.25	40,855
Interior finishes allowance - Intake/release	18,819	SQFT	14.25	268,171
Interior finishes allowance - Medical clinic & administration	9,104	SQFT	23.75	216,220
Interior finishes allowance - Programs/offices	10,970	SQFT	19.00	208,430
Interior finishes allowance - Staff support	10,062	SQFT	19.00	191,178
Interior finishes allowance - Receiving/loading dock/warehouse	7,753	SQFT	8.00	62,024
Interior finishes allowance - Sheriff's office	42,090	SQFT	23.75	999,638
Interior finishes allowance - Jail administration/diversion	8,351	SQFT	19.00	158,669
Interior finishes allowance - Public entry/lobby	4,672	SQFT	14.25	66,576
Interior finishes allowance - Initial appearance court	3,792	SQFT	28.50	108,072

Subtotal: Miscellaneous Finishes **\$5,912,414**

DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
TOTAL: INTERIOR FINISHES				\$5,912,414
D100000 CONVEYING				
14200 Electric Traction Elevators				
Electric traction elevator, 2 stop	2	EACH	140,000.00	280,000
Subtotal: Electric Traction Elevators				\$280,000
14900 Special Conveying Equipment				
Inmate property conveyor system - Allowance	1	EACH	250,000.00	250,000
Subtotal: Special Conveying Equipment				\$250,000
TOTAL: CONVEYING				\$530,000
D200000 PLUMBING				
22200 Plumbing Fixtures				
Plumbing systems including non-security fixtures, cell plumbing connections, equipment and specialties, piping, tagging and testing	416,810	SQFT	14.00	5,835,340
Subtotal: Plumbing Fixtures				\$5,835,340
TOTAL: PLUMBING				\$5,835,340
D300000 HVAC				
23200 Ventilation & Exhaust				
HVAC systems including ventilation, exhaust, hydronic heating & cooling, controls, TAB	416,810	SQFT	52.00	21,674,120
Subtotal: Ventilation & Exhaust				\$21,674,120
TOTAL: HVAC				\$21,674,120
D400000 FIRE PROTECTION				
21200 Fire Sprinkler Equipment & Specialties				
Wet sprinkler system	416,810	SQFT	4.48	1,868,726
Fire pump, 1500 gpm, electric motor, w/controller	1	EACH	46,145.92	46,146
Jockey pump, electric motor, w/controller	1	EACH	3,118.24	3,118
Fire pump test connection, polished brass finish, 6" 4-way	1	EACH	5,837.76	5,838
Subtotal: Fire Sprinkler Equipment & Specialties				\$1,923,828
TOTAL: FIRE PROTECTION				\$1,923,828
D500000 ELECTRICAL				
26200 Main Power Distribution				
Main Distribution service, switchboard and associated feeders	1	EACH	427,385.60	427,386
Service and distribution - Distribution panels, transformers, panels and associated feeders	416,810	SQFT	6.49	2,706,306
Subtotal: Main Power Distribution				\$3,133,691
26300 Emergency Power Distribution				
Emergency Service and distribution - Generator, ATS, distribution panels, transformers, panels and associated feeders	416,810	SQFT	3.32	1,385,435
Subtotal: Emergency Power Distribution				\$1,385,435
26400 Grounding & Lightning Protection System				

DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
Grounding System per code	1	LSUM	150,000.00	150,000
Subtotal: Grounding & Lightning Protection System				\$150,000
26500 Lighting				
Lighting and power provisions at parking	37,000	SQFT	2.99	110,697
Lighting, power and LV provisions at enclosed parking	24,710	SQFT	12.00	296,505
Miscellaneous light fixtures, interior, including mounting hardware and connections	416,810	SQFT	6.27	2,613,524
Exit lighting, L.E.D. w/ battery unit, double or single face, ceiling or wall mount	416,810	SQFT	0.24	101,785
Lighting control system	416,810	SQFT	1.05	437,109
Branch wiring installation 600 V, including 3/4" EMT conduit and THWN wire, 20A	416,810	SQFT	1.56	649,057
Subtotal: Lighting				\$4,208,676
26600 Branch Power Distribution & Devices				
Miscellaneous receptacles	416,810	SQFT	0.54	224,702
Junction box and equipment hook up	416,810	SQFT	0.33	137,422
Branch wiring installation 600 V, including 3/4" EMT conduit and THWN wire, 20A	416,810	SQFT	2.32	966,374
Subtotal: Branch Power Distribution & Devices				\$1,328,499
26700 Mechanical Equipment Connections & Feeders				
Motors connection, disconnect switches and associated feeders	1	LSUM	324,999.99	325,000
Subtotal: Mechanical Equipment Connections & Feeders				\$325,000
27200 Tele/Data Systems				
Telecommunication/data/television systems	416,810	SQFT	5.40	2,251,816
Subtotal: Tele/Data Systems				\$2,251,816
27300 Intercom & Public Address Systems				
Intercommunication system	416,810	SQFT	1.50	623,214
Subtotal: Intercom & Public Address Systems				\$623,214
27600 Audio/Visual & Television System				
Audio/Visual rough-in	416,810	SQFT	0.30	125,043
Subtotal: Audio/Visual & Television System				\$125,043
28200 Fire Alarm Systems				
Fire alarm system	416,810	SQFT	1.87	779,560
Subtotal: Fire Alarm Systems				\$779,560
28300 Intrusion Detection & Access Control Systems				
Security System	416,810	EACH	6.17	2,571,926
Subtotal: Intrusion Detection & Access Control Systems				\$2,571,926
28400 CCTV System				
CCTV System	416,810	SQFT	9.24	3,850,241
Subtotal: CCTV System				\$3,850,241
TOTAL: ELECTRICAL				\$20,733,100
E100000 EQUIPMENT				
11300 Food Service Equipment				
Food service equipment allowance	1	LSUM	400,000.00	400,000
Subtotal: Food Service Equipment				\$400,000

DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
11900 Miscellaneous Equipment				
Laundry equipment allowance	1	LSUM	200,000.00	200,000
Subtotal: Miscellaneous Equipment				\$200,000
TOTAL: EQUIPMENT				\$600,000
F100000 SPECIAL CONSTRUCTION				
13600 Detention Systems				
Prefabricated cell system	723	EACH	25,000.00	18,075,000
Subtotal: Detention Systems				\$18,075,000
TOTAL: SPECIAL CONSTRUCTION				\$18,075,000
G100000 SITE PREPARATION				
31800 Site Demolition				
Site demolition & preparation allowance	20	ACRE	7,950.74	159,015
Subtotal: Site Demolition				\$159,015
TOTAL: SITE PREPARATION				\$159,015
G200000 SITE IMPROVEMENTS				
32100 Pavement				
Surface parking, 250 vehicles	75,000	SQFT	15.64	1,173,098
Pavement - allowance	47,000	SQFT	7.19	338,043
Entry Plaza - allowance	5,000	SQFT	46.28	231,414
Subtotal: Pavement				\$1,742,554
32600 Landscaping				
Landscape minimal trees & shrubs, seed, etc. - allowance	420,000	SQFT	0.76	320,124
Subtotal: Landscaping				\$320,124
TOTAL: SITE IMPROVEMENTS				\$2,062,678
G300000 CIVIL & MECHANICAL UTILITIES				
33200 Site Water Service				
Combined domestic and fire water service - allowance	1	LSUM	40,000.00	40,000
Subtotal: Site Water Service				\$40,000
33300 Site Sanitary & Storm Sewer				
Storm and sanitary sewer provisions	1	LSUM	250,000.00	250,000
Subtotal: Site Sanitary & Storm Sewer				\$250,000
TOTAL: CIVIL & MECHANICAL UTILITIES				\$290,000
G400000 SITE ELECTRICAL UTILITIES				
33800 Site Electrical				
Utility company provisions and coordination - Power and Telecommunication/data/television	1	LSUM	50,000.00	50,000
Site lighting	1	EACH	225,000.00	225,000
Subtotal: Site Electrical				\$275,000
TOTAL: SITE ELECTRICAL UTILITIES				\$275,000



DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
TOTAL: NEW GREENFIELD & SITEWORK				\$118,256,556



DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
COURTHOUSE SALLY PORT				
G200000 SITE IMPROVEMENTS				
32900 Miscellaneous Exterior Improvements				
Secure vehicle sally port at existing courthouse	4,000	SQFT	250.00	1,000,000
Subtotal: Miscellaneous Exterior Improvements				\$1,000,000
TOTAL: SITE IMPROVEMENTS				\$1,000,000
TOTAL: COURTHOUSE SALLY PORT				\$1,000,000



DESCRIPTION	QTY	UM	UNIT COST	TOTAL COST
ENCLOSED VEHICLE STORAGE				
G200000 SITE IMPROVEMENTS				
32900 Miscellaneous Exterior Improvements				
Enclosed prefabricated parking building allowance	24,710	SQFT	150.00	3,706,500
Subtotal: Miscellaneous Exterior Improvements				\$3,706,500
TOTAL: SITE IMPROVEMENTS				\$3,706,500
TOTAL: ENCLOSED VEHICLE STORAGE				\$3,706,500
TOTAL: ALL GREENFIELD SITE OPTION				\$122,963,056

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APPENDIX 7

ESTIMATED STAFFING

PLANS AND COSTS

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Estimated Staffing Plans and Costs

South Tower, PSB/CCB Reno-Huber Greenfield, PSB Reno-Greenfield Med/Max, All Greenfield Options				
Preliminary Staffing Estimates				
Summary by Job Class/Rank				
	South Tower Addition	CCB, PSB Reno – Greenfield Site	PSB Reno - Greenfield Site	All Greenfield
Captain	1	1	1	1
Lieutenants M-F	4	5	4	4
Sergeants M-F	5	5	6	5
Sergeants Rotating	17.7	30.9	19.9	13.3
Deputies M-F	5	5	5	5
Deputies Rotating	211.5	269.8	237.1	201.6
Jail Clerks	14.5	14.5	21.6	14.5
Security Support Spec. M-F	1	1	1.00	1
Security Support Spec. rotating	36.4	51.4	57.6	36.4
Civilian	21.5	21.0	24.5	21.5
TOTAL FTE	317.7	404.6	377.7	303.3
Estimated Annual Staffing Costs*	\$35,689,800	\$45,895,900	\$41,364,900	\$34,049,800

*2018 salaries + fringe

1. South Tower Addition Option
 - A. Staffing estimates for the South Tower were previously established. They are used as a base for the estimates developed for the other three design options being studied.
2. CCB, PSB Renovations & Greenfield Site Option
 - A. 2017 NAWH calculations are used for consistency in comparing this design option to the South Tower Option.
 - B. PSB will continue to serve as the centralized intake and release facility. Intake and release component at Greenfield site will be used primarily to process inmates in and out who have been transferred from the PSB after initial intake processing and court appearance. Booking post will also function as a Movement Deputy as needed when not engaged in duties in the intake and release area.
 - C. The CCB and Huber Greenfield location shift operations will be managed by a sergeant level position onsite.
 - D. All Huber and Diversion functions will be located at the Huber Greenfield location.
 - E. Housing units for higher level custody inmates in CCB will staffing by two deputies on each shift due to layout of housing units and higher risk profile of inmate occupants.
 - F. Floor operations sergeants are required for each floor of the 6th/7th floor of CCB.
 - G. Certain civilian posts/positions will need to be duplicated or shared between the downtown locations and the Greenfield Huber location (social workers, hearing/classification officers, jail clerks).

- H. Some specialized deputy posts/positions will have to be duplicated at both locations to provide security for support functions – i.e. laundry/food service, visiting, canteen
 - I. Some SSS posts/positions will be duplicated at both locations to provide support services – i.e. visiting, booking/property, visitation etc.
 - J. The PSB and Greenfield location will require 24/7 staffing of a Central Control Center. Control point in CCB will require staffing on two shifts, seven days per week with control responsibilities shifted to PSB Central Control on the night shift.
 - K. PSB, CCB, and Greenfield location will require supervision of overall shift operations by a lieutenant level position onsite (5-day position, not relieved).
 - L. This option will incur additional staffing requirements and costs during an extended period of construction and renovation. Inmates will need to be boarded in jails in other jurisdictions as housing areas are taken out of service for renovation. Additional staffing costs will be incurred in the transporting of these inmates to and from the facilities in which they are housed. Availability of bedspace in nearby facilities appears to be limited. Travel distances to facilities with available bedspace will likely be a significant factor in staffing requirements and overall costs.
3. PSB Renovation & Greenfield Site Option
- A. 2017 NAWH calculations are used for consistency in comparing this design option to the South Tower Option.
 - B. PSB will continue to serve as the centralized intake and release facility. Intake and release component at Greenfield site will be used primarily to process inmates in and out who have been transferred from the PSB after initial intake processing and court appearance.
 - C. Medical and mental health services and staffing will have to be duplicated to an extent at both locations to serve longer term populations at both facilities.
 - D. Some program and support services posts and positions will have to be duplicated at both locations (or at least shared between locations) – i.e. program staff, social workers, jail clerks
 - E. Some specialized deputy posts/positions will have to be duplicated at both locations to provide security for support functions – i.e. laundry/food service/warehouse, programs, visiting, medical clinic, canteen
 - F. Some SSS posts/positions will be duplicated at both locations to provide support services – i.e. visiting, booking/property, central supply, etc.
 - G. Both facilities will require 24/7 staffing of a Central Control Center.
 - H. Classification positions are split between the two facilities.
 - I. Most administrative positions will remain at PSB but will be responsible for both facilities.
 - J. Greenfield location will require supervision of overall shift operations by a lieutenant level position onsite.
 - K. Court Bailiffs will have primary responsibility for transporting inmates to/from court. Two External Movement Deputy positions are included at the Greenfield site to provide back-up transportation assistance to Court Bailiffs when needed and to facilitate other external movement of inmates to medical appointments, etc.
 - 1) This option will incur additional staffing requirements and costs during an extended period of construction and renovation. Inmates will need to be boarded in jails in other jurisdictions as housing areas are taken out of service for renovation.

- L. Additional staffing costs will be incurred in the transporting of these inmates to and from the facilities in which they are housed. Availability of bedspace in nearby facilities appears to be limited. Travel distances to facilities with available bedspace will likely be a significant factor in staffing requirements and overall costs.
4. All Greenfield Site Option
- A. 2017 NAWH calculations are used for consistency in comparing this design option to the South Tower Option.
 - B. All jail functions are consolidated at a single site, similar to South Tower Option.
 - C. Staffing is similar to South Tower Option except that presumed design efficiencies at an all new greenfield site may require fewer rotating Deputy and Sergeant posts to achieve the same or better supervision of a similar sized population.
 - D. Court Bailiffs will have primary responsibility for transporting inmates to/from court. Two External Movement Deputy positions are included at the Greenfield site to provide back-up transportation assistance to Court Bailiffs when needed and to facilitate other external movement of inmates to medical appointments, etc.

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South Tower Addition Option

Dane County Jail - South Tower Option Staff Coverage Worksheet											
Ref.	Post/Position	Location	Rank/ Job Class	Total Hrs. on Days	Total Hrs. on Swings	Total Hrs. on Nights	Days per Week	Hours per Week	Coverage Hours per Year	Total FTE's	Total Cost
	CAPTAIN										
1	CAPTAIN	Admin	CAP	8	0	0	5	40	2086	1.0	\$ 181,787.22
	LIEUTENANTS										
2	1st Shift Operations/Jail Diversion Lieutenant		LT	8	0	0	5	40	2086	1.0	\$ 172,597.05
3	Intake/Work Release		LT	8	0	0	5	40	2086	1.0	\$ 172,597.05
4	Medical Contract Monitor/Technology Lieutenant		LT	8	0	0	5	40	2086	1.0	\$ 172,597.05
5	PREA/Emergency Preparedness Lieutenant		LT	8	0	0	5	40	2086	1.0	\$ 172,597.05
	SERGEANTS										
6	Booking/Classification Sergeant		SGT	8	0	0	5	40	2086	1.0	\$ 157,962.06
7	Programs Sergeant		SGT	8	0	0	5	40	2086	1.0	\$ 157,962.06
8	Diversion/Huber Sergeant		SGT	8	0	0	5	40	2086	1.0	\$ 157,962.06
9	Training/Risk Managemennt		SGT	8	0	0	5	40	2086	1.0	\$ 157,962.06
10	1st, 2nd Floor Operations Sergeant (M/F)		SGT	8	0	0	5	40	2086	1.0	\$ 157,962.06
11	3rd, 4th Floor Operations Sergeant		SGT	8	8	8	7	168	8760	6.6	\$ 1,049,826.88
12	1st, 2nd Floor Operations Sergeant		SGT	0	8	8	7	112	5840	4.4	\$ 699,884.58
13	6th, 7th, 8th Floor Operations Sergeant		SGT	8	8	8	7	168	8760	6.6	\$ 1,049,826.88
	Deputies										
14	Booking	1st Floor	DEP	8	8	8	7	168	8760	7.0	\$ 886,622.92
15	Male Segregation 1st Floor	1st Floor	DEP	8	8	8	7	168	8760	7.0	\$ 791,395.71
16	Female Segregation and Reception	1st Floor	DEP	8	8	8	7	168	8760	7.0	\$ 791,395.71
17	Male Reception	1st Floor	DEP	8	8	8	7	168	8760	7.0	\$ 791,395.71
18	Male Transition	1st Floor	DEP	8	8	8	7	168	8760	7.0	\$ 791,395.71
19	1st Floor Movement	1st Floor	DEP	24	16	16	7	392	20439	16.3	\$ 1,846,589.99
20	Waived Youth Male	2nd Floor	DEP	8	8	8	7	168	8760	7.0	\$ 791,395.71
21	Waived Youth Female	2nd Floor	DEP	8	8	0	7	112	5840	4.6	\$ 527,597.14
22	Male Reception Overflow/Male Huber (3C/3E)	3rd Floor	DEP	8	8	8	7	168	8760	7.0	\$ 791,395.71
23	Male GP Huber (3A)	3rd Floor	DEP	8	8	8	7	168	8760	7.0	\$ 791,395.71
24	Male GP (3K)	3rd Floor	DEP	8	8	8	7	168	8760	7.0	\$ 791,395.71
25	Female Reception Overflow and Hub (3G/3I)	3rd Floor	DEP	8	8	8	7	168	8760	7.0	\$ 791,395.71
26	Female GP Flex	3th Floor	DEP	8	8	8	7	168	8760	7.0	\$ 791,395.71
27	2nd and 3rd Floor Movement	3th Floor	DEP	8	16	8	7	224	11679	9.3	\$ 1,055,194.28
28	Female Medical Infirmary and Acute Housing	4th Floor	DEP	8	8	8	7	168	8760	7.0	\$ 791,395.71
29	Female MH Acute and Sub-acute Housing	4th Floor	DEP	8	8	8	7	168	8760	7.0	\$ 791,395.71
30	Male Medical Infirmary and Acute Housing	4th Floor	DEP	8	8	8	7	168	8760	7.0	\$ 791,395.71
31	Male MH Acute and Sub-acute Housing	4th Floor	DEP	8	8	8	7	168	8760	7.0	\$ 791,395.71
32	4th Floor Movement	4th Floor	DEP	8	8	8	7	40	2086	1.7	\$ 188,427.55
33	6th Floor Male GP Min/Med	6th Floor	DEP	16	16	16	7	336	17519	13.9	\$ 1,582,791.42
34	6th Floor Movement	6th Floor	DEP	8	8	0	7	112	5840	4.6	\$ 527,597.14

Ref.	Post/Position	Location	Rank/ Job Class	Total Hrs. on Days	Total Hrs. on Swings	Total Hrs. on Nights	Days per Week	Hours per Week	Coverage Hours per Year	Total FTE's	Total Cost
35	7th Floor Male Med/Max	7th Floor	DEP	16	16	16	7	336	17519	13.9	\$ 1,582,791.42
36	7th Floor Movement	7th Floor	DEP	8	8	8	7	168	8760	7.0	\$ 791,395.71
37	8th Floor Male GP Flex	8th Floor	DEP	16	16	16	7	336	17519	13.9	\$ 1,582,791.42
38	8th Floor Movement	8th Floor	DEP	8	8	0	7	112	5840	4.6	\$ 527,597.14
39	Recreation 3rd/4th Floors	3rd Floor	DEP	8	0	0	5	40	2086	1.7	\$ 188,427.55
40	Centralized Programs Security	2nd Floor	DEP	8	4	0	5	60	3128	2.5	\$ 282,641.33
41	Medical Clinic Security	4th Floor	DEP	8	4	0	6	72	3754	3.0	\$ 339,169.59
42	Food Service/Laundry/Warehouse Security	Basement	DEP	8	4	0	7	84	4380	3.5	\$ 395,697.86
43	Canteen/Laundry/Linen Exchange	Basement	DEP	8	0	0	5	40	2086	1.7	\$ 188,427.55
44	Huber Entrance/ Body Scanner Deputy	1st Floor	DEP	8	8	0	7	112	5840	4.6	\$ 527,597.14
45	Diversion	1st Floor	DEP	24	16	0	5	200	10428	5.0	\$ 567,378.70
	SECURITY SUPORT SPECIALISTS										
46	Central Supply	Basement	SSS	8	0	0	5	40	2086	1.3	\$ 110,317.56
47	Booking/Property	1st Floor	SSS	16	16	16	7	336	17519	10.8	\$ 926,667.51
48	Visitation	1st Floor	SSS	16	16	0	7	224	11679	7.2	\$ 617,778.34
49	Central Control	Basement	SSS	24	24	16	7	448	23359	14.5	\$ 1,235,556.67
50	Custody Control	Courthouse	SSS	8	0	0	5	40	2086	1.3	\$ 110,317.56
51	Diversion	1st Floor	SSS	8	0	0	5	40	2086	1.3	\$ 110,317.56
52	DNA	1st Floor		8	0	0	5	40	2086	1.0	\$ 85,425.23
	JAIL CLERK										
53	Jail Clerk Booking	1st Floor	CIV	16	16	16	7	336	17519	12.3	\$ 1,109,256.00
54	Jail Clerk Records	1st Floor	CIV	8	4	0	5	60	3128	2.2	\$ 198,081.43
	CIVILIAN										
55	Administrative Manager		CIV	8	0	0	5	40	2086	1.0	\$ 120,050.07
56	Account Clerk Bookkeeper (AC III)		CIV	8	0	0	5	40	2086	1.0	\$ 95,127.21
57	Program Manager (Clerk IV)		CIV	8	0	0	5	40	2086	1.0	\$ 76,781.25
58	Program Assistant		CIV	8	0	0	5	40	2086	1.0	\$ 76,781.25
59	Programming/ Activities Scheduling		CIV	8	0	0	5	40	2086	1.0	\$ 93,690.04
60	Hearing Classification		CIV	44	0	0	5	220	11471	5.5	\$ 583,032.62
61	Sr. Social Worker		CIV	16	0	0	5	80	4171	2.0	\$ 194,161.98
62	Social Worker		CIV	16	0	0	5	80	4171	2.0	\$ 190,089.18
63	Voilunteer Coordinator		CIV	8	0	0	5	40	2086	1.0	\$ 99,781.37
64	Reentry Coordinator		CIV	8	0	0	5	40	2086	1.0	\$ 82,696.17
65	Huber Clerical		CIV	8	0	0	5	40	2086	1.0	\$ 76,781.25
66	Jail Population Planner		CIV	8	0	0	5	40	2086	1.0	\$ 93,690.04
67	Jail Tech. Coord. (Visitation, Tablets, Programs)		CIV	8	0	0	5	40	2086	1.0	\$ 120,050.07
68	Diversion (Clerk IV)		CIV	16	0	0	5	80	4171	2.0	\$ 153,562.50
	Total			692	376	280				317.7	\$ 35,689,792.74

CCB, PSB Renovations & Greenfield Site Option

PSB Renovation Staff Coverage Worksheet															
Ref.	Post/Position	Location	Rank/ Job Class	Total Hrs. on Days	Total Hrs. on Swings	Total Hrs. on Nights	Days per Week	Hours per Week	Coverage Hours per Year	Relief Needed? Y/N	NAWH	Total FTE's	Salary + Benefits	Total Cost	
	CAPTAIN														
1	CAPTAIN	Admin	CAP	8	0	0	5	40	2086	No		1.0	\$ 181,787.22	\$ 181,787.22	
	LIEUTENANTS														
2	1st Shift Operations/Jail Diversion Lieutenant		LT	8	0	0	5	40	2086	No		1.0	\$ 172,597.05	\$ 172,597.05	
3	Medical Contract Monitor/Technology Lieutenant		LT	8	0	0	5	40	2086	No		1.0	\$ 172,597.05	\$ 172,597.05	
4	PREA/Emergency Preparedness Lieutenant		LT	8	0	0	5	40	2086	No		1.0	\$ 172,597.05	\$ 172,597.05	
	SERGEANTS														
5	Booking/Classification Sergeant		SGT	8	0	0	5	40	2086	No		1.0	\$ 157,962.06	\$ 157,962.06	
6	Programs Sergeant		SGT	8	0	0	5	40	2086	No		1.0	\$ 157,962.06	\$ 157,962.06	
7	Training/Risk Management		SGT	8	0	0	5	40	2086	No		1.0	\$ 157,962.06	\$ 157,962.06	
8	1st Floor Operations Sergeant (M/F)		SGT	8	0	0	5	40	2086	No		1.0	\$ 157,962.06	\$ 157,962.06	
9	1st Floor Operations Sergeant		SGT	0	8	8	7	112	5840	Yes	1318	4.4	\$ 157,962.06	\$ 699,884.58	
10	3rd, 4th Floor Operations Sergeant		SGT	8	8	8	7	168	8760	Yes	1318	6.6	\$ 157,962.06	\$ 1,049,826.88	
	DEPUTIES														
11	Booking	1st Floor	DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 127,130.07	\$ 886,622.92	
12	Female Reception Housing	1st Floor	DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71	
13	Male Reception Housing	1st Floor	DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71	
14	Male Reception Housing	1st Floor	DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71	
15	1st Floor Movement	1st Floor	DEP	24	16	16	7	392	20439	Yes	1256	16.3	\$ 113,475.74	\$ 1,846,589.99	
16	Female Min/Med GP Housing	3rd Floor	DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71	
17	Female Medical Housing	3rd Floor	DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71	
18	Female Mental Health Housing	3rd Floor	DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71	
19	3rd Floor Movement	3th Floor	DEP	16	16	8	7	280	14599	Yes	1256	11.6	\$ 113,475.74	\$ 1,318,992.85	
20	Male Medical Housing	4th Floor	DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71	
21	Male Mental Health Housing	4th Floor	DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71	
22	4th Floor Movement	4th Floor	DEP	16	16	8	7	40	2086	Yes	1256	1.7	\$ 113,475.74	\$ 188,427.55	
23	Recreation 3rd/4th Floors	3rd Floor	DEP	8	0	0	5	40	2086	Yes	1256	1.7	\$ 113,475.74	\$ 188,427.55	
24	Medical Clinic Security	4th Floor	DEP	8	4	0	6	72	3754	Yes	1256	3.0	\$ 113,475.74	\$ 339,169.59	
25	Food Service/Laundry/Warehouse Security	Basement	DEP	8	4	0	7	84	4380	Yes	1256	3.5	\$ 113,475.74	\$ 395,697.86	
26	Canteen/Laundry/Linen Exchange	Basement	DEP	8	0	0	5	40	2086	Yes	1256	1.7	\$ 113,475.74	\$ 188,427.55	
	SECURITY SUPPORT SPECIALISTS														
27	Central Supply	Basement	SSS	8	0	0	5	40	2086	Yes	1615	1.3	\$ 85,425.23	\$ 110,317.56	
28	Booking/Property	1st Floor	SSS	16	16	16	7	336	17519	Yes	1615	10.8	\$ 85,425.23	\$ 926,667.51	
29	Visitation	1st Floor	SSS	16	16	0	7	224	11679	Yes	1615	7.2	\$ 85,425.23	\$ 617,778.34	
30	Central Control	Basement	SSS	16	16	16	7	336	17519	Yes	1615	10.8	\$ 85,425.23	\$ 926,667.51	
31	Custody Control	Courthouse	SSS	8	0	0	5	40	2086	Yes	1615	1.3	\$ 85,425.23	\$ 110,317.56	
32	DNA	1st Floor	SSS	8	0	0	5	40	2086	No		1.0	\$ 85,425.23	\$ 85,425.23	
	JAIL CLERK														
33	Jail Clerk Booking	1st Floor	CIV	16	16	16	7	336	17519	Yes	1423	12.3	\$ 90,100.33	\$ 1,109,256.00	
34	Jail Clerk Records	1st Floor	CIV	8	4	0	5	60	3128	Yes	1423	2.2	\$ 90,100.33	\$ 198,081.43	
	CIVILIAN														

Ref.	Post/Position	Location	Rank/ Job Class	Total Hrs. on Days	Total Hrs. on Swings	Total Hrs. on Nights	Days per Week	Hours per Week	Coverage Hours per Year	Relief Needed? Y/N	NAWH	Total FTE's	Salary + Benefits	Total Cost
35	Administrative Manager		CIV	8	0	0	5	40	2086	No		1.0	\$ 120,050.07	\$ 120,050.07
36	Account Clerk Bookkeeper (AC III)		CIV	8	0	0	5	40	2086	No		1.0	\$ 95,127.21	\$ 95,127.21
37	Program Manager (Clerk IV)		CIV	8	0	0	5	40	2086	No		1.0	\$ 76,781.25	\$ 76,781.25
38	Program Assistant		CIV	8	0	0	5	40	2086	No		1.0	\$ 76,781.25	\$ 76,781.25
39	Programming/ Activities Scheduling		CIV	8	0	0	5	40	2086	No		1.0	\$ 93,690.04	\$ 93,690.04
40	Hearing Classification		CIV	24	0	0	5	120	6257	No		3.0	\$ 106,005.93	\$ 318,017.79
41	Sr. Social Worker		CIV	8	0	0	5	40	2086	No		1.0	\$ 97,080.99	\$ 97,080.99
42	Social Worker		CIV	8	0	0	5	40	2086	No		1.0	\$ 95,044.59	\$ 95,044.59
43	Volunteer Coordinator		CIV	8	0	0	5	40	2086	No		1.0	\$ 99,781.37	\$ 99,781.37
44	Reentry Coordinator		CIV	8	0	0	5	40	2086	No		1.0	\$ 82,696.17	\$ 82,696.17
45	Jail Population Planner		CIV	8	0	0	5	40	2086	No		1.0	\$ 93,690.04	\$ 93,690.04
46	Jail Tech. Coord. (Visitation, Tablets, Programs)		CIV	8	0	0	5	40	2086	No		1.0	\$ 120,050.07	\$ 120,050.07
	Total			440	212	168						182.2		\$ 20,217,961.60

CCB, PSB Renovations & Greenfield Site Option

CCB Renovation Staff Coverage Worksheet														
Ref.	Post/Position	Location	Rank/ Job Class	Total Hrs. on Days	Total Hrs. on Swings	Total Hrs. on Nights	Days per Week	Hours per Week	Coverage Hours per Year	Relief Needed? Y/N	NAWH	Total FTE's	Salary + Benefits	Total Cost
	CAPTAIN													
	LIEUTENANTS													
	Shift Operations		LT	8	0	0	5	40	2086	No	1318	1.0	\$ 172,597.05	\$ 172,597.05
	SERGEANTS													
	6th/7th Floor Operations Sergeant		SGT	16	16	16	7	336	17519	Yes	1318	13.3	\$ 157,962.06	\$ 2,099,653.75
	DEPUTIES													
	Waived Youth Male	6th Floor	DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71
	Waived Youth Female	6th Floor	DEP	8	8	0	7	112	5840	Yes	1256	4.6	\$ 113,475.74	\$ 527,597.14
	Male GP Flex 1	6th Floor	DEP	16	16	16	7	336	17519	Yes	1256	13.9	\$ 113,475.74	\$ 1,582,791.42
	Male GP Flex 2	6th Floor	DEP	16	16	16	7	336	17519	Yes	1256	13.9	\$ 113,475.74	\$ 1,582,791.42
	6th Floor Movement	6th Floor	DEP	16	16	8	7	280	14599	Yes	1256	11.6	\$ 113,475.74	\$ 1,318,992.85
	Male Med/Max GP 1	7th Floor	DEP	16	16	16	7	336	17519	Yes	1256	13.9	\$ 113,475.74	\$ 1,582,791.42
	Male Med/Max GP 2	7th Floor	DEP	16	16	16	7	336	17519	Yes	1256	13.9	\$ 113,475.74	\$ 1,582,791.42
	Male Transitional Housing	7th Floor	DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71
	7th Floor Movement	7th Floor	DEP	16	16	8	7	280	14599	Yes	1257	11.6	\$ 113,475.74	\$ 1,317,943.53
	Centralized Programs Security	6th Floor	DEP	8	4	0	5	60	3128	Yes	1256	2.5	\$ 113,475.74	\$ 282,641.33
	Medical Services Security	6th Floor	DEP	8	4	0	6	72	3754	Yes	1256	3.0	\$ 113,475.74	\$ 339,169.59
	SECURITY SUPORT SPECIALISTS													
	CCB Control		SSS	8	8	0	7	112	5840	Yes	1615	3.6	\$ 85,425.23	\$ 308,889.17
	CCB Visitation		SSS	8	8	0	7	112	5840	Yes	1616	3.6	\$ 85,425.23	\$ 308,698.02
	JAIL CLERK													
	CIVILIAN													
	Total			176	160	112						124.6		\$ 14,590,139.56

Total	\$ 45,895,888.46

CCB, PSB Renovations & Greenfield Site Option

Huber Greenfield Staff Coverage Worksheet														
Ref.	Post/Position	Location	Rank/ Job Class	Total Hrs. on Days	Total Hrs. on Swings	Total Hrs. on Nights	Days per Week	Hours per Week	Coverage Hours per Year	Relief Needed? Y/N	NAWH	Total FTE's	Salary + Benefits	Total Cost
	CAPTAIN													
	LIEUTENANTS													
	Shift Operations		LT	8			5	40	2086	No		1.0	\$ 172,597.05	\$ 172,597.05
	SERGEANTS													
	Diversion/Huber Sergeant		SGT	8	0	0	5	40	2086	No		1.0	\$ 157,962.06	\$ 157,962.06
	Floor Operations Sergeant		SGT	8	8	8	7	168	8760	Yes	1318	6.6	\$ 157,962.06	\$ 1,049,826.88
	DEPUTIES													
	Booking/Movement		DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 127,130.07	\$ 886,622.92
	Female Huber GP		DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71
	Male Huber GP 1		DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71
	Male GP Huber 2		DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71
	Male GP Huber 3		DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71
	Male Min/Med GP 1		DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71
	Male Min/Med GP 2		DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71
	Movement		DEP	8	8	8	7	168	8760	Yes	1257	7.0	\$ 113,475.74	\$ 790,766.12
	Centralized Programs Security		DEP	8	4	0	5	60	3128	Yes	1256	2.5	\$ 113,475.74	\$ 282,641.33
	Canteen/Laundry/Linen Exchange		DEP	8	0	0	5	40	2086	Yes	1256	1.7	\$ 113,475.74	\$ 188,427.55
	Huber Entrance/ Body Scanner Deputy		DEP	8	8	0	7	112	5840	Yes	1256	4.6	\$ 113,475.74	\$ 527,597.14
	Diversion		DEP	24	16	0	5	200	10428	No		5.0	\$ 113,475.74	\$ 567,378.70
	SECURITY SUPORT SPECIALISTS													
	Booking/Property		SSS	8	8	0	7	112	5840	Yes	1615	3.6	\$ 85,425.23	\$ 308,889.17
	Visitation/Diversion		SSS	8	8	0	7	112	5840	Yes	1615	3.6	\$ 85,425.23	\$ 308,889.17
	Central Control		SSS	8	8	8	7	168	8760	Yes	1615	5.4	\$ 85,425.23	\$ 463,333.75
	Diversion		SSS	0	0	0	5	0	0	Yes	1615	0.0		\$ -
	JAIL CLERK													
	Jail Clerk Booking	1st Floor	CIV	0	0	0		0	0		1423	0.0		\$ -
	Jail Clerk Records	1st Floor	CIV	0	0	0		0	0		1423	0.0		\$ -
	CIVILIAN													
	Hearing Classification		CIV	16	0	0	5	80	4171	No		2.0	\$ 106,005.93	\$ 212,011.86
	Sr. Social Worker		CIV	8	0	0	5	40	2086	No		1.0	\$ 97,080.99	\$ 97,080.99
	Social Worker		CIV	8	0	0	5	40	2086	No		1.0	\$ 95,044.59	\$ 95,044.59
	Huber Clerical		CIV	8	0	0	5	40	2086	No		1.0	\$ 76,781.25	\$ 76,781.25
	Diversion (Clerk IV)		CIV	16	0	0	5	80	4171	No		2.0	\$ 76,781.25	\$ 153,562.50
	Total			216	124	80						97.9	2571854.1	\$ 11,087,787.30

PSB Renovation & Greenfield Site Option

Dane County Jail - PSB Renovation Staff Coverage Worksheet														
Ref.	Post/Position	Location	Rank/ Job Class	Total Hrs. on Days	Total Hrs. on Swings	Total Hrs. on Nights	Days per Week	Hours per Week	Coverage Hours per Year	Relief Needed? Y/N	NAWH	Total FTE's	Salary + Benefits	Total Cost
	CAPTAIN													
1	CAPTAIN	Admin	CAP	8	0	0	5	40	2086	No		1.0	\$ 181,787.22	\$ 181,787.22
	LIEUTENANTS													
2	1st Shift Operations/Jail Diversion Lieutenant		LT	8	0	0	5	40	2086	No		1.0	\$ 172,597.05	\$ 172,597.05
3	Medical Contract Monitor/Technology Lieutenant		LT	8	0	0	5	40	2086	No		1.0	\$ 172,597.05	\$ 172,597.05
4	PREA/Emergency Preparedness Lieutenant		LT	8	0	0	5	40	2086	No		1.0	\$ 172,597.05	\$ 172,597.05
	SERGEANTS													
5	Booking/Classification Sergeant		SGT	8	0	0	5	40	2086	No		1.0	\$ 157,962.06	\$ 157,962.06
6	Programs Sergeant		SGT	8	0	0	5	40	2086	No		1.0	\$ 157,962.06	\$ 157,962.06
7	Diversion/Huber Sergeant		SGT	8	0	0	5	40	2086	No		1.0	\$ 157,962.06	\$ 157,962.06
8	Training/Risk Managemennt		SGT	8	0	0	5	40	2086	No		1.0	\$ 157,962.06	\$ 157,962.06
9	1st Floor Operations Sergeant (M/F)		SGT	8	0	0	5	40	2086	No		1.0	\$ 157,962.06	\$ 157,962.06
10	1st Floor Operations Sergeant		SGT	0	8	8	7	112	5840	Yes	1318	4.4	\$ 157,962.06	\$ 157,962.06
11	3rd, 4th Floor Operations Sergeant		SGT	8	8	8	7	168	8760	Yes	1318	6.6	\$ 157,962.06	\$ 1,049,826.88
	DEPUTIES													
12	Booking	1st Floor	DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 127,130.07	\$ 886,622.92
13	Male Segregation 1st Floor	1st Floor	DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71
14	Female Segregation and Reception	1st Floor	DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71
15	Male Reception	1st Floor	DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71
16	1st Floor Movement	1st Floor	DEP	24	16	16	7	392	20439	Yes	1256	16.3	\$ 113,475.74	\$ 1,846,589.99
17	Male Huber GP (3CD/3EF)	3rd Floor	DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71
18	Male GP Huber (3AB)	3rd Floor	DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71
19	Male GP (3KL)	3rd Floor	DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71
20	Female Reception and Huber GP (3GH/3IJ)	3rd Floor	DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71
21	3rd Floor Movement	3th Floor	DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71
22	Female Medical	4th Floor	DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71
23	Female Mental Health	4th Floor	DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71
24	4th Floor Movement	4th Floor	DEP	8	8	8	7	40	2086	Yes	1256	1.7	\$ 113,475.74	\$ 188,427.55
25	Recreation 3rd/4th Floors	3rd Floor	DEP	8	0	0	5	40	2086	Yes	1256	1.7	\$ 113,475.74	\$ 188,427.55
26	Centralized Programs Security	2nd Floor	DEP	8	4	0	5	60	3128	Yes	1256	2.5	\$ 113,475.74	\$ 282,641.33
27	Medical Clinic Security	4th Floor	DEP	8	4	0	6	72	3754	Yes	1256	3.0	\$ 113,475.74	\$ 339,169.59
28	Food Service/Laundry/Warehouse Security	Basement	DEP	8	4	0	7	84	4380	Yes	1256	3.5	\$ 113,475.74	\$ 395,697.86
29	Canteen/Laundry/Linen Exchange	Basement	DEP	8	0	0	5	40	2086	Yes	1256	1.7	\$ 113,475.74	\$ 188,427.55
30	Huber Entrance/ Body Scanner Deputy	1st Floor	DEP	8	8	0	7	112	5840	Yes	1256	4.6	\$ 113,475.74	\$ 527,597.14
31	Diversion	1st Floor	DEP	24	16	0	5	200	10428	No		5.0	\$ 113,475.74	\$ 567,378.70
	SECURITY SUPORT SPECIALISTS													
32	Central Supply	Basement	SSS	8	0	0	5	40	2086	Yes	1615	1.3	\$ 85,425.23	\$ 110,317.56
33	Booking/Property	1st Floor	SSS	16	16	16	7	336	17519	Yes	1615	10.8	\$ 85,425.23	\$ 926,667.51
34	Visitation	1st Floor	SSS	16	16	0	7	224	11679	Yes	1615	7.2	\$ 85,425.23	\$ 617,778.34
35	Central Control	Basement	SSS	16	16	16	7	336	17519	Yes	1615	10.8	\$ 85,425.23	\$ 926,667.51
36	Custody Control	Courthouse	SSS	8	0	0	5	40	2086	Yes	1615	1.3	\$ 85,425.23	\$ 110,317.56
37	Diversion	1st Floor	SSS	8	0	0	5	40	2086	Yes	1615	1.3	\$ 85,425.23	\$ 110,317.56
38	DNA	1st Floor		8	0	0	5	40	2086	No		1.0	\$ 85,425.23	\$ 85,425.23

Ref.	Post/Position	Location	Rank/ Job Class	Total Hrs. on Days	Total Hrs. on Swings	Total Hrs. on Nights	Days per Week	Hours per Week	Coverage Hours per Year	Relief Needed? Y/N	NAWH	Total FTE's	Salary + Benefits	Total Cost
	JAIL CLERK													
53	Jail Clerk Booking	1st Floor	CIV	16	16	16	7	336	17519	Yes	1423	12.3	\$ 90,100.33	\$ 1,109,256.00
54	Jail Clerk Records	1st Floor	CIV	8	4	0	5	60	3128	Yes	1423	2.2	\$ 90,100.33	\$ 198,081.43
	CIVILIAN													
39	Administrative Manager		CIV	8	0	0	5	40	2086	No		1.0	\$ 120,050.07	\$ 120,050.07
40	Account Clerk Bookkeeper (AC III)		CIV	8	0	0	5	40	2086	No		1.0	\$ 95,127.21	\$ 95,127.21
41	Program Manager (Clerk IV)		CIV	8	0	0	5	40	2086	No		1.0	\$ 76,781.25	\$ 76,781.25
42	Program Assistant		CIV	8	0	0	5	40	2086	No		1.0	\$ 76,781.25	\$ 76,781.25
43	Programming/ Activities Scheduling		CIV	8	0	0	5	40	2086	No		1.0	\$ 93,690.04	\$ 93,690.04
44	Hearing Classification		CIV	20	0	0	5	100	5214	No		2.5	\$ 106,005.93	\$ 265,014.83
45	Sr. Social Worker		CIV	8	0	0	5	40	2086	No		1.0	\$ 97,080.99	\$ 97,080.99
46	Social Worker		CIV	8	0	0	5	40	2086	No		1.0	\$ 95,044.59	\$ 95,044.59
47	Volunteer Coordinator		CIV	8	0	0	5	40	2086	No		1.0	\$ 99,781.37	\$ 99,781.37
48	Reentry Coordinator		CIV	8	0	0	5	40	2086	No		1.0	\$ 82,696.17	\$ 82,696.17
49	Huber Clerical		CIV	8	0	0	5	40	2086	No		1.0	\$ 76,781.25	\$ 76,781.25
50	Jail Population Planner		CIV	8	0	0	5	40	2086	No		1.0	\$ 93,690.04	\$ 93,690.04
51	Jail Tech. Coord. (Visitation, Tablets, Programs)		CIV	8	0	0	5	40	2086	No		1.0	\$ 120,050.07	\$ 120,050.07
52	Diversion (Clerk IV)		CIV	16	0	0	5	80	4171	No		2.0	\$ 76,781.25	\$ 153,562.50
	Total			508	232	176						201.5		\$ 21,763,075.22

PSB Renovation & Greenfield Site Option

Greenfield Med/Max Staff Coverage Worksheet															
Ref.	Post/Position	Location	Rank/ Job Class	Total Hrs. on Days	Total Hrs. on Swings	Total Hrs. on Nights	Days per Week	Hours per Week	Coverage Hours per Year	Relief Needed? Y/N	NAWH	Total FTE's	Salary + Benefits	Total Cost	
	CAPTAIN														
	LIEUTENANTS														
	Shift Operations		LT	8	0	0	5	40	2086	No	1422	1.0	\$ 172,597.05	\$ 172,597.05	
	SERGEANTS														
	Booking/Classification Sergeant		SGT	8	0	0	5	40	2086	No		1.0	\$ 157,962.06	\$ 157,962.06	
	Floor Operations Sergeant		SGT	8	16	8	7	224	11679	Yes	1318	8.9	\$ 157,962.06	\$ 1,399,769.17	
	DEPUTIES														
	Booking/Movement		DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 127,130.07	\$ 886,622.92	
	Floor Movement		DEP	32	24	24	7	560	29198	Yes	1256	23.2	\$ 113,475.74	\$ 2,637,985.71	
	Waived Youth Male		DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71	
	Waived Youth Female		DEP	8	8	0	7	112	5840	Yes	1256	4.6	\$ 113,475.74	\$ 527,597.14	
	Male Transitional Housing		DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71	
	Male GP Flex 1		DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71	
	Male GP Flex 2		DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71	
	Male Med/Max GP 1		DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71	
	Male Med/Max GP 2		DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71	
	Male Min/Med GP 1		DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71	
	Male Min/Med GP 2		DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71	
	Male Huber GP		DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71	
	Male Medical Infirmary and Acute Housing		DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71	
	Male MH Acute and Sub-acute Housing		DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71	
	Centralized Programs Security		DEP	8	4	0	5	60	3128	Yes	1256	2.5	\$ 113,475.74	\$ 282,641.33	
	Medical Clinic Security		DEP	8	4	0	6	72	3754	Yes	1256	3.0	\$ 113,475.74	\$ 339,169.59	
	Food Service/Laundry/Warehouse Security		DEP	8	4	0	7	84	4380	Yes	1256	3.5	\$ 113,475.74	\$ 395,697.86	
	Canteen/Laundry/Linen Exchange		DEP	8	0	0	5	40	2086	Yes	1256	1.7	\$ 113,475.74	\$ 188,427.55	
	External Movement Deputy		DEP	16	0	0	5	80	4171	Yes	1256	3.3	\$ 113,475.74	\$ 376,855.10	
	SECURITY SUPORT SPECIALISTS														
	Central Supply		SSS	8	0	0	5	40	2086	Yes	1615	1.3	\$ 85,425.23	\$ 110,317.56	
	Booking/Property		SSS	8	8	8	7	168	8760	Yes	1615	5.4	\$ 85,425.23	\$ 463,333.75	
	Visitation		SSS	16	16	0	7	224	11679	Yes	1615	7.2	\$ 85,425.23	\$ 617,778.34	
	Central Control		SSS	16	16	16	7	336	17519	Yes	1615	10.8	\$ 85,425.23	\$ 926,667.51	
	JAIL CLERK														
	Jail Clerk Booking		CIV	8	8	8	7	168	8760	Yes	1423	6.2	\$ 90,100.33	\$ 554,628.00	
	Jail Clerk Records		CIV	8	0	0	5	40	2086	No	1423	1.0	\$ 90,100.33	\$ 90,100.33	
	CIVILIAN														
	Program Manager (Clerk IV)		CIV	8	0	0	5	40	2086	No		1.0	\$ 76,781.25	\$ 76,781.25	
	Program Assistant		CIV	8	0	0	5	40	2086	No		1.0	\$ 76,781.25	\$ 76,781.25	
	Programming/ Activities Scheduling		CIV	8	0	0	5	40	2086	No		1.0	\$ 93,690.04	\$ 93,690.04	
	Hearing Classification		CIV	24	0	0	5	120	6257	No		3.0	\$ 106,005.93	\$ 318,017.79	
	Sr. Social Worker		CIV	8	0	0	5	40	2086	No		1.0	\$ 106,005.93	\$ 106,005.93	
	Social Worker		CIV	8	0	0	5	40	2086	No		1.0	\$ 97,080.99	\$ 97,080.99	
	Total			336	204	160						176.3		\$ 19,601,861.04	
													Total Cost		\$ 41,364,936.25

All Greenfield Site Option

All Greenfield Option Staff Coverage Worksheet														
Ref.	Post/Position	Location	Rank/ Job Class	Total Hrs. on Days	Total Hrs. on Swings	Total Hrs. on Nights	Days per Week	Hours per Week	Coverage Hours per Year	Relief Needed? Y/N	NAWH	Total FTE's	Salary + Benefits	Total Cost
	CAPTAIN													
1	CAPTAIN	Admin	CAP	8	0	0	5	40	2086	No		1.0	\$ 181,787.22	\$ 181,787.22
	LIEUTENANTS													
2	1st Shift Operations/Jail Diversion Lieutenant		LT	8	0	0	5	40	2086	No		1.0	\$ 172,597.05	\$ 172,597.05
3	Intake/Work Release		LT	8	0	0	5	40	2086	No		1.0	\$ 172,597.05	\$ 172,597.05
4	Medical Contract Monitor/Technology Lieutenant		LT	8	0	0	5	40	2086	No		1.0	\$ 172,597.05	\$ 172,597.05
5	PREA/Emergency Preparedness Lieutenant		LT	8	0	0	5	40	2086	No		1.0	\$ 172,597.05	\$ 172,597.05
	SERGEANTS													
6	Booking/Classification Sergeant		SGT	8	0	0	5	40	2086	No		1.0	\$ 157,962.06	\$ 157,962.06
7	Programs Sergeant		SGT	8	0	0	5	40	2086	No		1.0	\$ 157,962.06	\$ 157,962.06
8	Diversion/Huber Sergeant		SGT	8	0	0	5	40	2086	No		1.0	\$ 157,962.06	\$ 157,962.06
9	Training/Risk Managemennt		SGT	8	0	0	5	40	2086	No		1.0	\$ 157,962.06	\$ 157,962.06
10	Floor Operations Sergeant (M/F)		SGT	8	0	0	5	40	2086	No		1.0	\$ 157,962.06	\$ 157,962.06
11	Floor Operations Sergeant		SGT	8	24	16	7	336	17519	Yes	1318	13.3	\$ 157,962.06	\$ 2,099,653.75
	Deputies													
12	Intake and Release		DEP	24	24	24	7	504	26279	Yes	1256	20.9	\$ 127,130.07	\$ 2,659,868.77
13	Male Reception Housing		DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71
14	Male Transitional Housing		DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71
15	Male GP Flex Housing 1		DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71
16	Male GP Flex Housing 2		DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71
17	Male Med/Max GP Housing 1		DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71
18	Male Med/Max GP Housing 2		DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71
19	Male Min/Med GP Housing 1		DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71
20	Male Min/Med GP Housing 2		DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71
21	Male Huber GP Housing 1		DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71
22	Male Huber GP Housing 2		DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71
23	Male Huber GP Housing 3		DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71
24	Female Min/Med GP Housing		DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71
25	Female Reception & Huber Housing		DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71
26	Waived Juvenile Male Housing		DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71
27	Waived Juvenile Female Housing		DEP	8	8	0	7	40	2086	Yes	1256	1.7	\$ 113,475.74	\$ 188,427.55
28	Female Medical Infirmary and Acute Housing		DEP	16	16	8	7	280	14599	Yes	1256	11.6	\$ 113,475.74	\$ 1,318,992.85
29	Female MH Acute and Sub-acute Housing		DEP	8	8	0	7	112	5840	Yes	1256	4.6	\$ 113,475.74	\$ 527,597.14
30	Male Medical Infirmary and Acute Housing		DEP	16	16	8	7	280	14599	Yes	1256	11.6	\$ 113,475.74	\$ 1,318,992.85
31	Male MH Acute and Sub-acute Housing		DEP	8	8	8	7	168	8760	Yes	1256	7.0	\$ 113,475.74	\$ 791,395.71
32	Movement		DEP	32	32	32	7	672	35038	Yes	1256	27.9	\$ 113,475.74	\$ 3,165,582.85
33	Centralized Programs Security		DEP	8	4	0	5	60	3128	Yes	1256	2.5	\$ 113,475.74	\$ 282,641.33
34	Medical Clinic Security		DEP	8	4	0	6	72	3754	Yes	1256	3.0	\$ 113,475.74	\$ 339,169.59
35	Food Service/Laundry/Warehouse Security		DEP	8	4	0	7	84	4380	Yes	1256	3.5	\$ 113,475.74	\$ 395,697.86
36	Canteen/Laundry/Linen Exchange		DEP	8	0	0	5	40	2086	Yes	1256	1.7	\$ 113,475.74	\$ 188,427.55
37	Huber Entrance/ Body Scanner Deputy		DEP	8	8	0	7	112	5840	Yes	1256	4.6	\$ 113,475.74	\$ 527,597.14
38	External Movement Deputies		DEP	16	0	0	5	80	4171	Yes	1256	3.3	\$ 113,475.74	\$ 376,855.10
39	Diversion		DEP	24	16	0	5	200	10428	No		5.0	\$ 113,475.74	\$ 567,378.70

Ref.	Post/Position	Location	Rank/ Job Class	Total Hrs. on Days	Total Hrs. on Swings	Total Hrs. on Nights	Days per Week	Hours per Week	Coverage Hours per Year	Relief Needed? Y/N	NAWH	Total FTE's	Salary + Benefits	Total Cost
	SECURITY SUPPORT SPECIALISTS													
40	Central Supply		SSS	8	0	0	5	40	2086	Yes	1615	1.3	\$ 85,425.23	\$ 110,317.56
41	Booking/Property		SSS	16	16	16	7	336	17519	Yes	1615	10.8	\$ 85,425.23	\$ 926,667.51
42	Visitation		SSS	16	16	0	7	224	11679	Yes	1615	7.2	\$ 85,425.23	\$ 617,778.34
43	Central Control		SSS	24	24	16	7	448	23359	Yes	1615	14.5	\$ 85,425.23	\$ 1,235,556.67
44	Custody Control		SSS	8	0	0	5	40	2086	Yes	1615	1.3	\$ 85,425.23	\$ 110,317.56
45	Diversion		SSS	8	0	0	5	40	2086	Yes	1615	1.3	\$ 85,425.23	\$ 110,317.56
46	DNA		SSS	8	0	0	5	40	2086	No		1.0	\$ 85,425.23	\$ 85,425.23
	JAIL CLERK													
47	Jail Clerk Booking		CIV	16	16	16	7	336	17519	Yes	1423	12.3	\$ 90,100.33	\$ 1,109,256.00
48	Jail Clerk Records		CIV	8	4	0	5	60	3128	Yes	1423	2.2	\$ 90,100.33	\$ 198,081.43
	CIVILIAN													
49	Administrative Manager		CIV	8	0	0	5	40	2086	No		1.0	\$ 120,050.07	\$ 120,050.07
50	Account Clerk Bookkeeper (AC III)		CIV	8	0	0	5	40	2086	No		1.0	\$ 95,127.21	\$ 95,127.21
51	Program Manager (Clerk IV)		CIV	8	0	0	5	40	2086	No		1.0	\$ 76,781.25	\$ 76,781.25
52	Program Assistant		CIV	8	0	0	5	40	2086	No		1.0	\$ 76,781.25	\$ 76,781.25
53	Programming/ Activities Scheduling		CIV	8	0	0	5	40	2086	No		1.0	\$ 93,690.04	\$ 93,690.04
54	Hearing Classification		CIV	44	0	0	5	220	11471	No		5.5	\$ 106,005.93	\$ 583,032.62
55	Sr. Social Worker		CIV	16	0	0	5	80	4171	No		2.0	\$ 97,080.99	\$ 194,161.98
56	Social Worker		CIV	16	0	0	5	80	4171	No		2.0	\$ 95,044.59	\$ 190,089.18
57	Volunteer Coordinator		CIV	8	0	0	5	40	2086	No		1.0	\$ 99,781.37	\$ 99,781.37
58	Reentry Coordinator		CIV	8	0	0	5	40	2086	No		1.0	\$ 82,696.17	\$ 82,696.17
59	Huber Clerical		CIV	8	0	0	5	40	2086	No		1.0	\$ 76,781.25	\$ 76,781.25
60	Jail Population Planner		CIV	8	0	0	5	40	2086	No		1.0	\$ 93,690.04	\$ 93,690.04
61	Jail Tech. Coord. (Visitation, Tablets, Programs)		CIV	8	0	0	5	40	2086	No		1.0	\$ 120,050.07	\$ 120,050.07
62	Diversion (Clerk IV)		CIV	16	0	0	5	80	4171	No		2.0	\$ 76,781.25	\$ 153,562.50
	Total			676	360	256						303.3		\$ 34,049,797.28

STAFFING SUMMARIES

South Tower Option	
Preliminary Staffing Estimates	
Summary by Job Class/Rank	
Captain	1
Lieutenants M-F	4
Sergeants M-F	5.0
Sergeants Rotating	17.7
Deputies M-F	5
Deputies Rotating	211.5
Jail Clerks	14.5
Security Support Spec. M-F	1.0
Security Support Spec. rotating	36.4
Civilian	21.5
TOTAL FTE	317.7

PSB Reno, Med-Max Greenfield Option			
Preliminary Staffing Estimates			
Summary by Job Class/Rank			
	PSB Reno	Med-Max Greenfield	Total
Captain	1.0		1
Lieutenants M-F	3.0	1	4
Sergeants M-F	5.0	1.0	6
Sergeants Rotating	11.0	8.9	19.9
Deputies M-F	5.0		5
Deputies Rotating	111.6	125.5	237.1
Jail Clerks	14.5	7.1	21.6
Security Support Spec. M-F	1.0		1.00
Security Support Spec. rotating	32.8	24.8	57.6
Civilian	16.5	8	24.5
TOTAL FTE	201.4	176.3	377.7

STAFFING SUMMARIES

PSB Reno, CCB Reno, Huber Greenfield Option				
Preliminary Staffing Estimates				
Summary by Job Class/Rank				
	PSB Reno	CCB Reno	Huber Greenfield	Total
Captain	1			1.0
Lieutenants M-F	3	1	1	5.0
Sergeants M-F	4.0		1	5.0
Sergeants Rotating	11.0	13.3	6.6	30.9
Deputies M-F			5.0	5.0
Deputies Rotating	102.1	103.1	64.6	269.8
Jail Clerks	14.5			14.5
Security Support Spec. M-F	1.0			1.0
Security Support Spec. rotating	31.5	7.2	12.7	51.4
Civilian	14.0		7.0	21.0
TOTAL FTE	182.1	124.6	97.9	404.6

All Greenfield Option	
Preliminary Staffing Estimates	
Summary by Job Class/Rank	
Captain	1
Lieutenants M-F	4
Sergeants M-F	5.0
Sergeants Rotating	13.3
Deputies M-F	5
Deputies Rotating	201.6
Jail Clerks	14.5
Security Support Spec. M-F	1.0
Security Support Spec. rotating	36.4
Civilian	21.5
TOTAL FTE	303.3

STAFFING SUMMARIES

South Tower, PSB/CCB Reno-Huber Greenfield, PSB Reno-Greenfield Med/Max, All Greenfield Options				
Preliminary Staffing Estimates				
Summary by Job Class/Rank				
	South Tower	PSB/CCB Reno - Greenfield Huber	PSB Reno - Greenfield Med/Max	All Greenfield
Captain	1	1	1	1
Lieutenants M-F	4	5	4	4
Sergeants M-F	5	5	6	5
Sergeants Rotating	17.7	30.9	19.9	13.3
Deputies M-F	5	5	5	5
Deputies Rotating	211.5	269.8	237.1	201.6
Jail Clerks	14.5	14.5	21.6	14.5
Security Support Spec. M-F	1	1	1.00	1
Security Support Spec. rotating	36.4	51.4	57.6	36.4
Civilian	21.5	21.0	24.5	21.5
TOTAL FTE	317.7	404.6	377.7	303.3
Estimated Annual Staffing Costs*	\$35,689,792.74	\$45,895,888.46	\$41,364,936.25	\$34,049,797.28

*2018 salaries + fringe

Total Estimated Staffing Costs:		Amount above lowest Option:
All Greenfield	\$ 34,049,797.28	\$ -
South Tower	\$ 35,689,792.74	\$ 1,639,995.46
PSB Reno - Greenfield Med/Max	\$ 41,364,936.25	\$ 7,315,138.97
PSB/CCB Reno - Greenfield Huber	\$ 45,895,888.46	\$ 11,846,091.18

APPENDIX 8

BED DISTRIBUTION

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Bed Distribution for Different Approaches

	South Tower Addition Option	CCB & PSB Renovation & Greenfield Site Option	PSB Renovation & Greenfield Site Option	All Greenfield Site Option
Total Number of Beds	922	922	922	922
Housing – Male Adult Inmates				
Reception				64
Reception Dorm (PSB 1 st Floor)	48	48	48	
Reception Cells (PSB 1 st Floor)	15	15	15	
Min/Med General Population	62	64	62	64
Min/Med General Population	62	64	62	64
Med/Max General Population	64	62	62	62
Med/Max General Population	64	62	62	62
Flex General Population	64	62	62	62
Flex General Population	64	62	60	62
Huber General Population		62	10	62
Huber General Population		62		62
Huber General Population		62		62
Huber General Population (PSB 3A/B)	52		52	
Huber General Population (PSB 3C/D)	29		29	
Huber General Population (PSB 3E/F)	24		24	
Huber General Population (PSB 3I/J)	29			
Huber General Population (PSB 3K/L)	52		52	
Transitional	24	24	24	24
Housing – Female Adult Inmates				
Reception Dorm/Cells (PSB 1 st Floor)	21	21	21	
Reception & Huber General Population		32		48
Huber General Population (PSB 3G/H)	24		24	
Huber General Population (PSB 3I/J)			29	
Flex Min/Med General Population	64	60	64	64
Housing – Youthful Inmates				
Male Youthful General Population	24	24	24	24
Female Youthful General Population	16	16	16	16
Housing – Male Health Care Services				
Mental Health Acute	12	12	12	12
Mental Health Transition	24	24	24	24
Medical Acute	12	12	12	12
Medical Infirmary	32	32	32	32
Housing – Female Health Care Services				
Mental Health Acute	6	6	6	6
Mental Health Transition	12	12	12	12
Medical Acute	6	6	6	6
Medical Infirmary	16	16	16	16

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APPENDIX 9

PROGRAM SUMMARY

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Program Summary for Different Approaches

	South Tower Addition Option	CCB & PSB Renovation & Greenfield Site Option	PSB Renovation & Greenfield Site Option	All Greenfield Site Option
Programmed Area				
Renovated CCB		81,000 SF		
Existing PSB	143,900 SF	113,500 SF	140,600 SF	
Renovated PSB	59,200 SF	89,600 SF	62,500 SF	
South Tower Addition	198,600 SF			
Greenfield Facility		133,200 SF	256,400 SF	445,500 SF
Total Facility	401,700 SF	417,300 SF	459,500 SF	445,500 SF
Building Area				
CCB First Floor		280 SF		
CCB Second Floor		280 SF		
CCB Third Floor		280 SF		
CCB Fourth Floor		280 SF		
CCB Fifth Floor		280 SF		
CCB Sixth Floor		42,450 SF		
CCB Seventh Floor		38,540 SF		
CCB Eighth Floor		7,162 SF		
PSB Sub-Basement	35,480 SF	35,480 SF	35,480 SF	
PSB Basement	31,070 SF	31,070 SF	31,070 SF	
PSB First Floor	30,960 SF	30,960 SF	30,960 SF	
PSB Second Floor	31,220 SF	31,220 SF	31,220 SF	
PSB Third Floor	30,650 SF	30,650 SF	30,650 SF	
PSB Fourth Floor	30,650 SF	30,650 SF	30,650 SF	
PSB Fifth Floor	13,090 SF	13,090 SF	13,090 SF	
South Tower Sub-Basement	10,881 SF			
South Tower Basement	11,895 SF			
South Tower First Floor	17,299 SF			
South Tower Second Floor	17,411 SF			
South Tower Third Floor	17,277 SF			
South Tower Fourth Floor	17,420 SF			
South Tower Fifth Floor	17,420 SF			
South Tower Sixth Floor	17,420 SF			
South Tower Sixth Floor Mezzanine	12,236 SF			
South Tower Seventh Floor	17,422 SF			
South Tower Seventh Floor Mezzanine	12,223 SF			
South Tower Eighth Floor	17,422 SF			
South Tower Eighth Floor Mezzanine	12,224 SF			
Greenfield First Floor		89,310 SF	192,840 SF	303,010 SF
Greenfield Second Floor		43,920 SF	63,550 SF	113,800 SF
Greenfield Enclosed Parking Facility				24,710 SF
Courthouse Secure Vehicle Sallyport				4,000 SF
Total Facility	401,670 SF	425,902 SF	459,510 SF	445,520 SF