
BROOKINGS COUNTY DETENTION CENTER EXPANSION PROJECT

WORKSHOP

October 15, 2019

AGENDA:

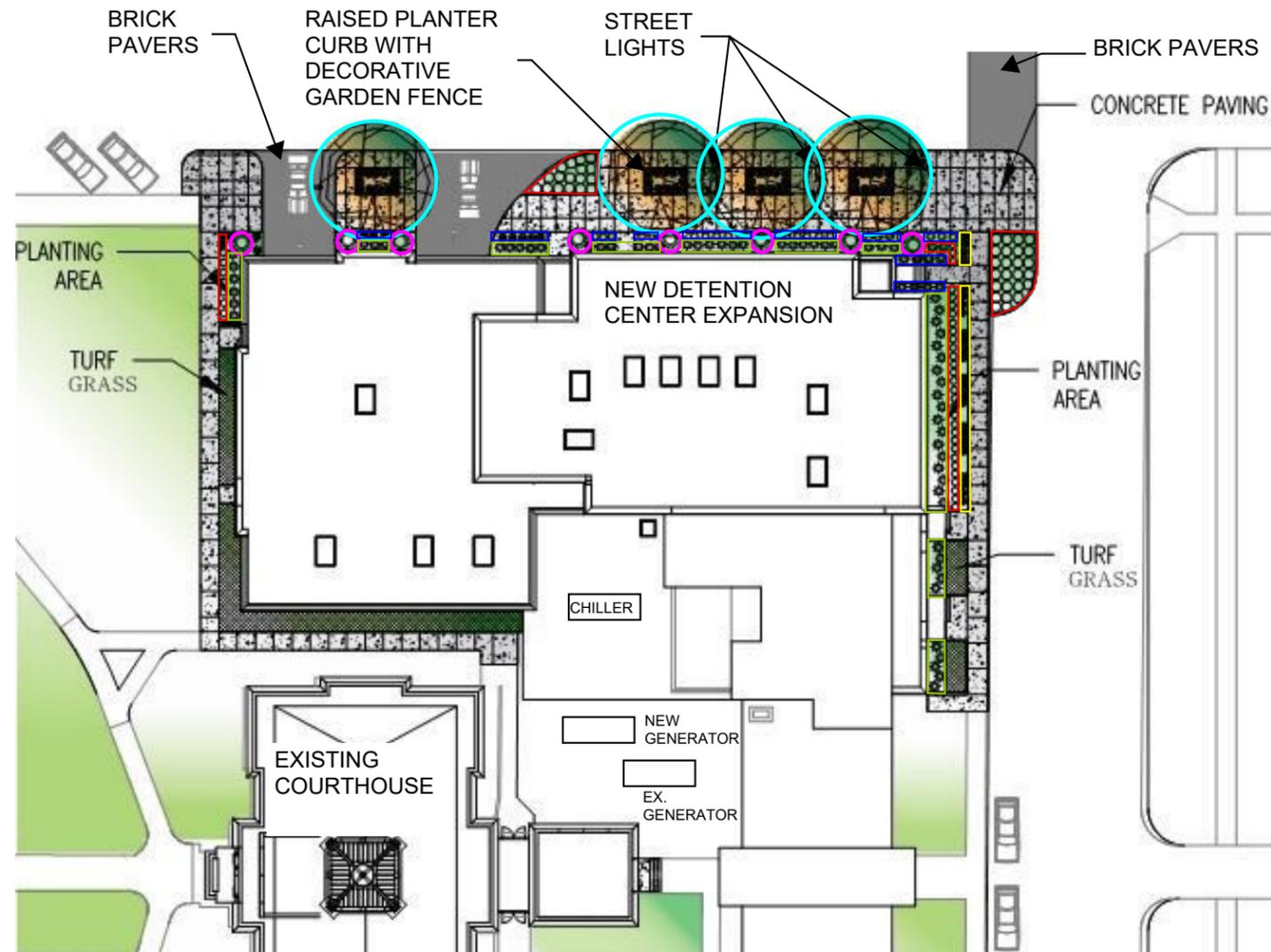
1. EXTERIOR DESIGN
 - A. SITE
 - B. EXTERIOR PRECEDENT IMAGES
 - C. BUILDING DESIGN
 - i. Renderings
 - ii. Rendered Elevations
 - iii. Elevations
 - iiii. Model Walkthrough
2. INTERIOR FINISHES
 - A. FINISH PLANS
 - B. PRECEDENT IMAGES
3. INTERIOR WALKTHROUGH
4. MECHANICAL - SYSTEMS OVERVIEW
5. SOFT COSTS
6. OVERALL ESTIMATE
7. SCHEDULE



SITE CONTEXT



SITE PLAN



PLANT SCHEDULE

KEY	QTY	COMMON NAME	BOTANICAL NAME	SIZE	DESCRIPTION
Deciduous Canopy Trees					
CO	4	HACKBERRY	<i>Celtis occidentalis</i>	2.5" b&b	H:40'-70" W:50'
Evergreen Shrubs					
JS	8	SKYROCKET JUNIPER	<i>Juniperus scopulorum</i> 'Skyrocket'	6' tall b&b	H:15'-20" W:2'-3'
Deciduous Shrubs					
AM	73	IROQUOIS BLACK CHOKEBERRY	<i>Aronia melanocarpa</i> 'Morton'	5 gal. cont.	H:2'-3" W:4'-5'
Perennials/Groundcovers					
HH	88	HAPPY RETURNS DAYLILY	<i>Hemerocallis</i> 'Happy Returns'	5 gal. cont.	H:12"-18" W:12"-24"
SH	43	PRAIRIE DROPSEED	<i>Sporobolus heterolepis</i>	5 gal. cont.	H:16"-24" W:24"-36"
SS	60	MAY NIGHT SALVIA	<i>Salvia x sylvestris</i> 'May Night'	5 gal. cont.	H:18"-24" W:18"-24"



HACKBERRY



IROQUOIS BLACK CHOKEBERRY



SKYROCKET JUNIPER



PRAIRIE DROPSEED



HAPPY RETURNS DAYLILY



MAY NIGHT SALVIA



LANDSCAPE ENLARGED PLAN

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

PRECEDENT IMAGES



PRECAST OPTION 1

VIEW FROM NORTHEAST



PRECAST OPTION 1

VIEW FROM NORTHWEST



PRECAST OPTION 2

VIEW FROM NORTHEAST



BROOKINGS COUNTY DETENTION CENTER EXPANSION | BROOKINGS, SD
10/15/2019

BKV
GROUP

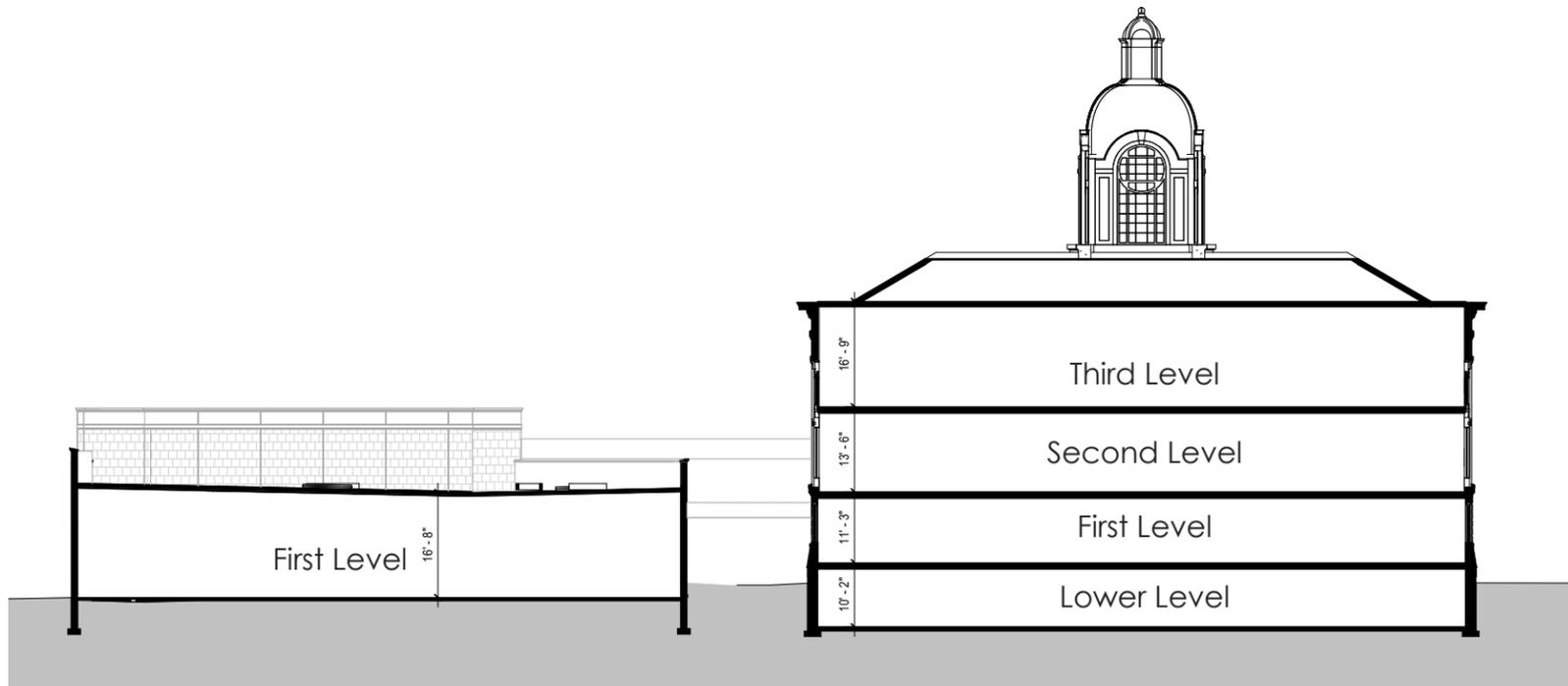
PRECAST OPTION 2

VIEW FROM NORTHWEST



EXTERIOR ELEVATION AND BUILDING SECTION - WEST

Option 1

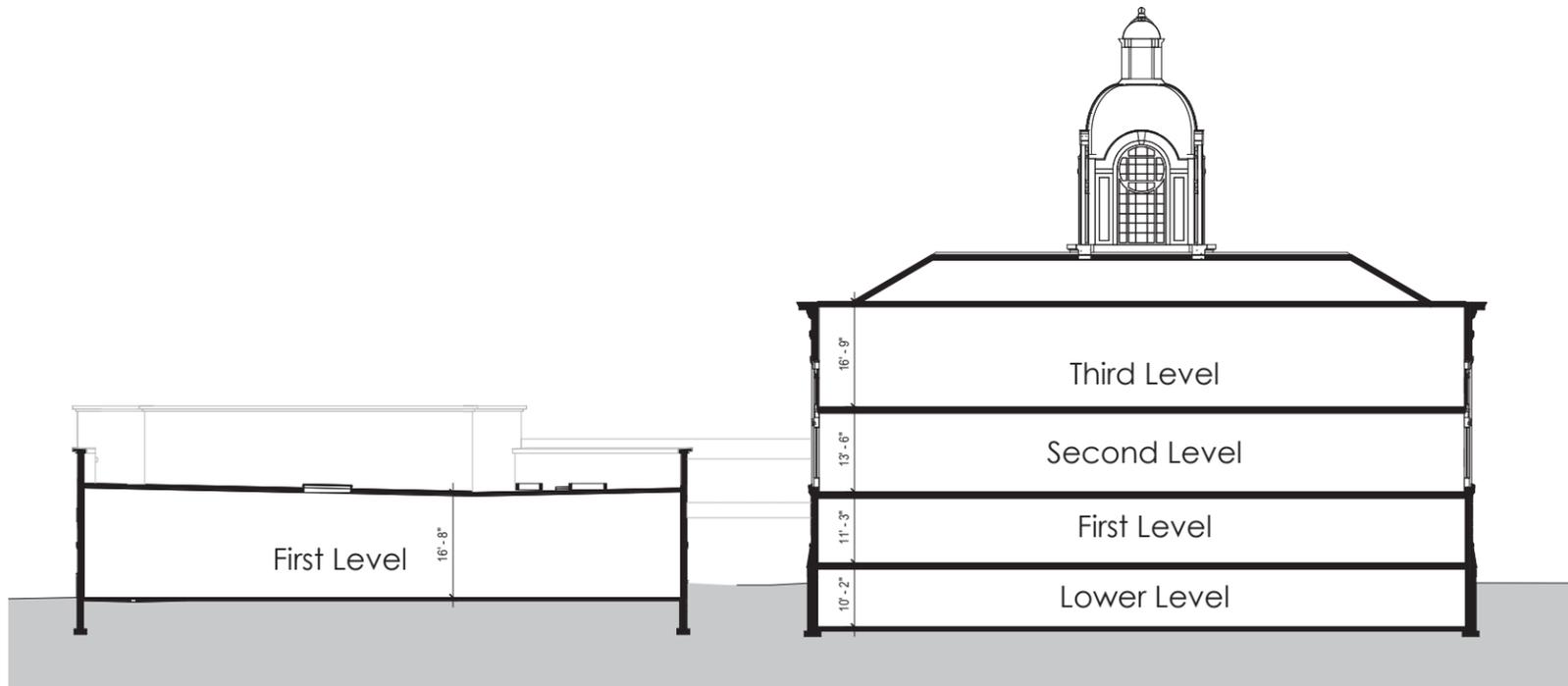


Proposed Detention Center Addition

Historic Courthouse

EXTERIOR ELEVATION AND BUILDING SECTION - WEST

Option 2



Proposed Detention Center Addition

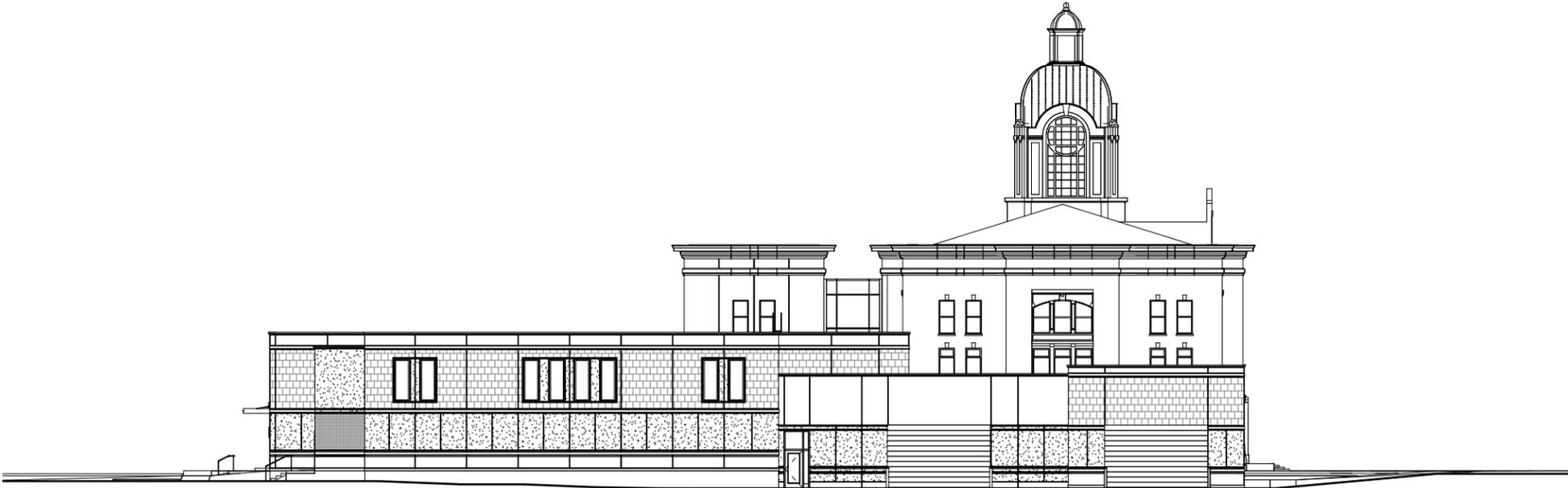
Historic Courthouse

EXTERIOR ELEVATIONS

Option 1



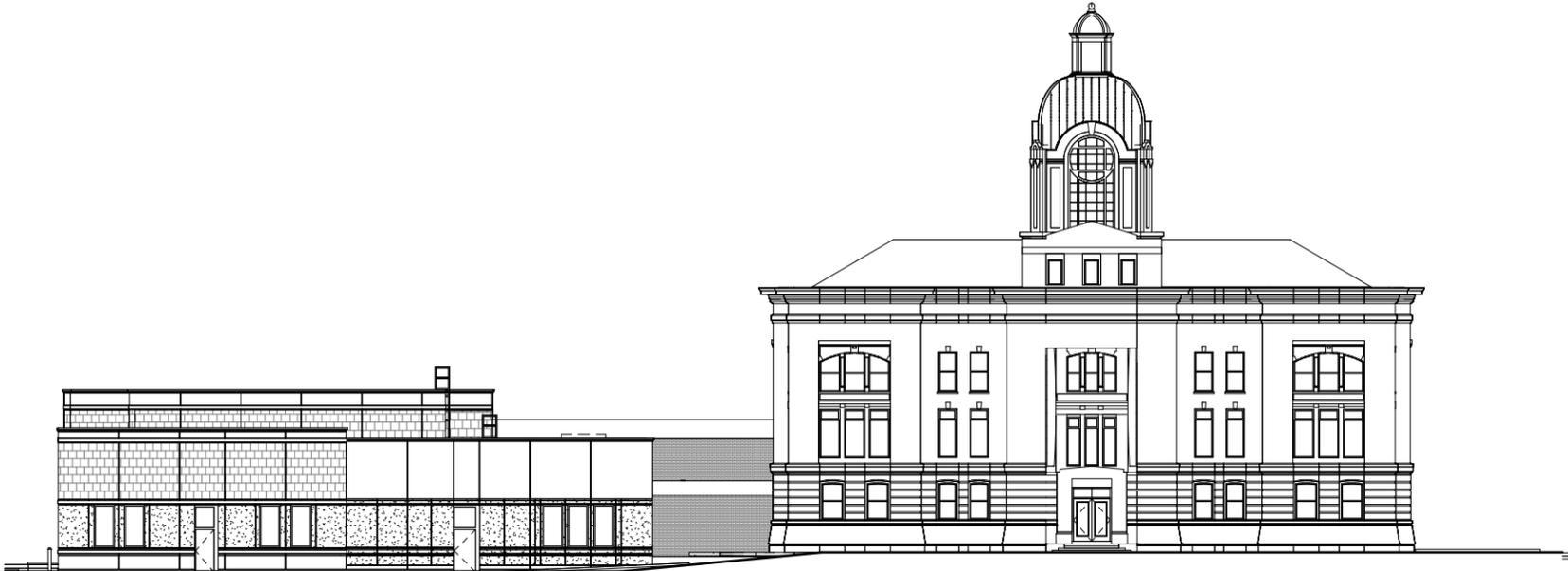
EAST ELEVATION



NORTH ELEVATION

EXTERIOR ELEVATIONS

Option 1



WEST ELEVATION



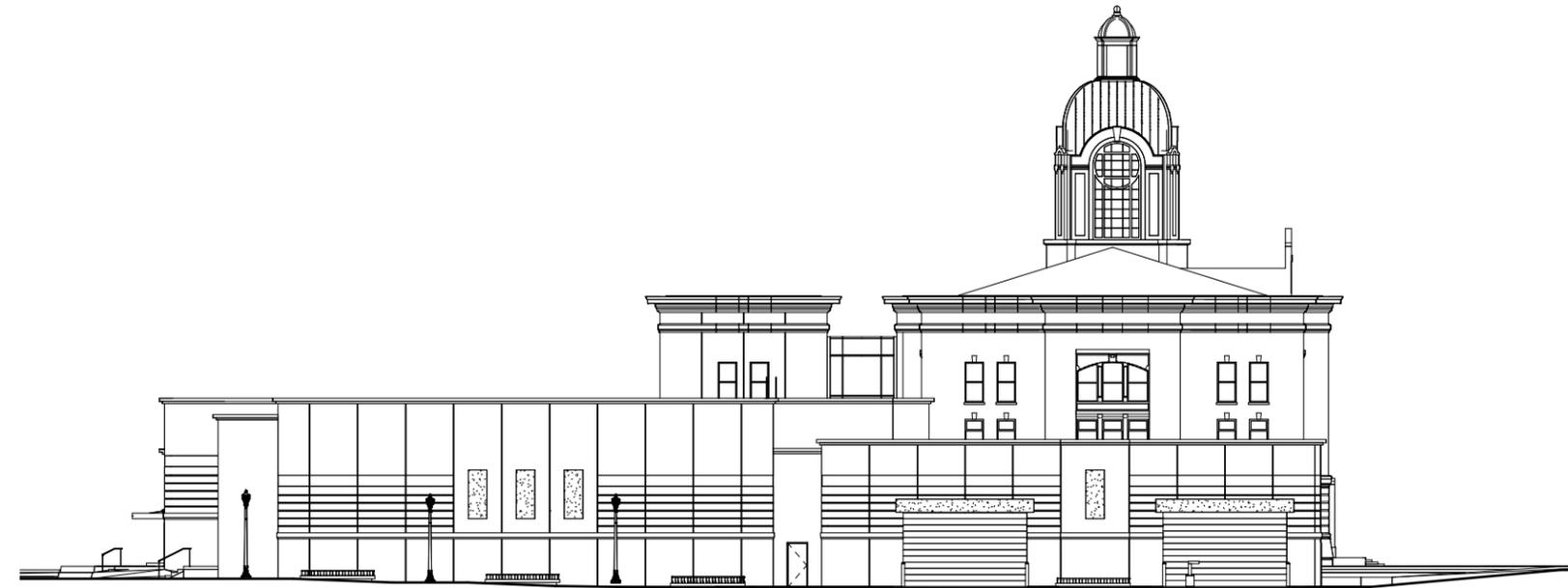
SOUTH ELEVATION

EXTERIOR ELEVATIONS

Option 2



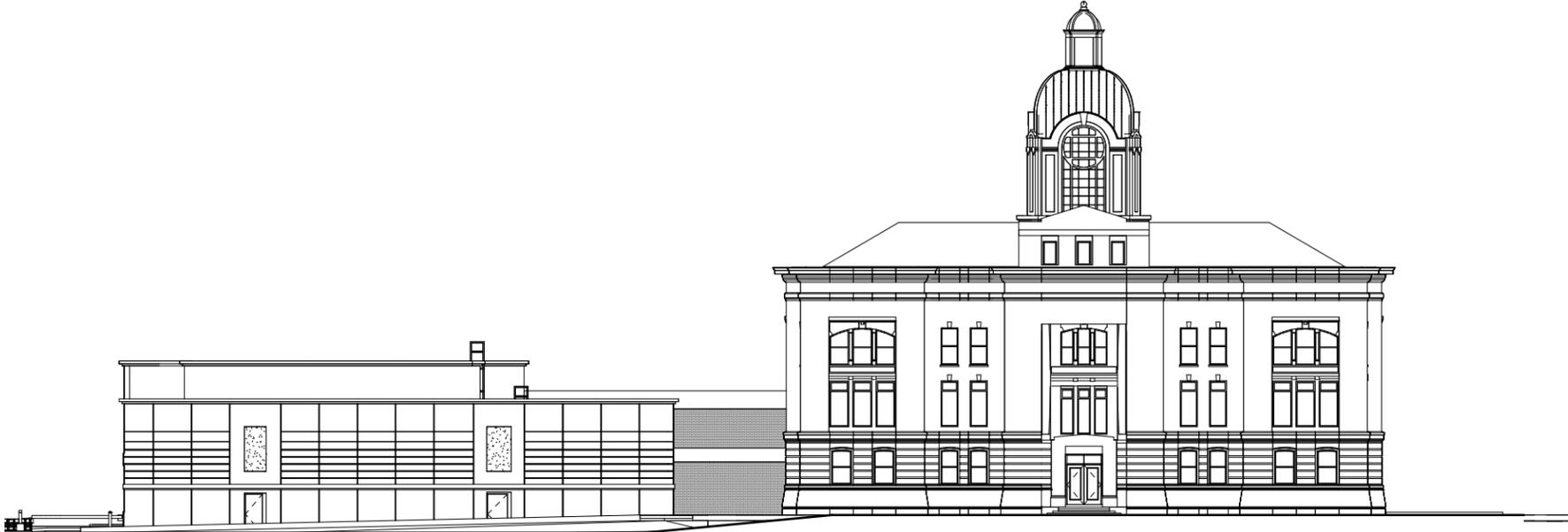
EAST ELEVATION



NORTH ELEVATION

EXTERIOR ELEVATION AND BUILDING SECTION - WEST

Option 2



WEST ELEVATION



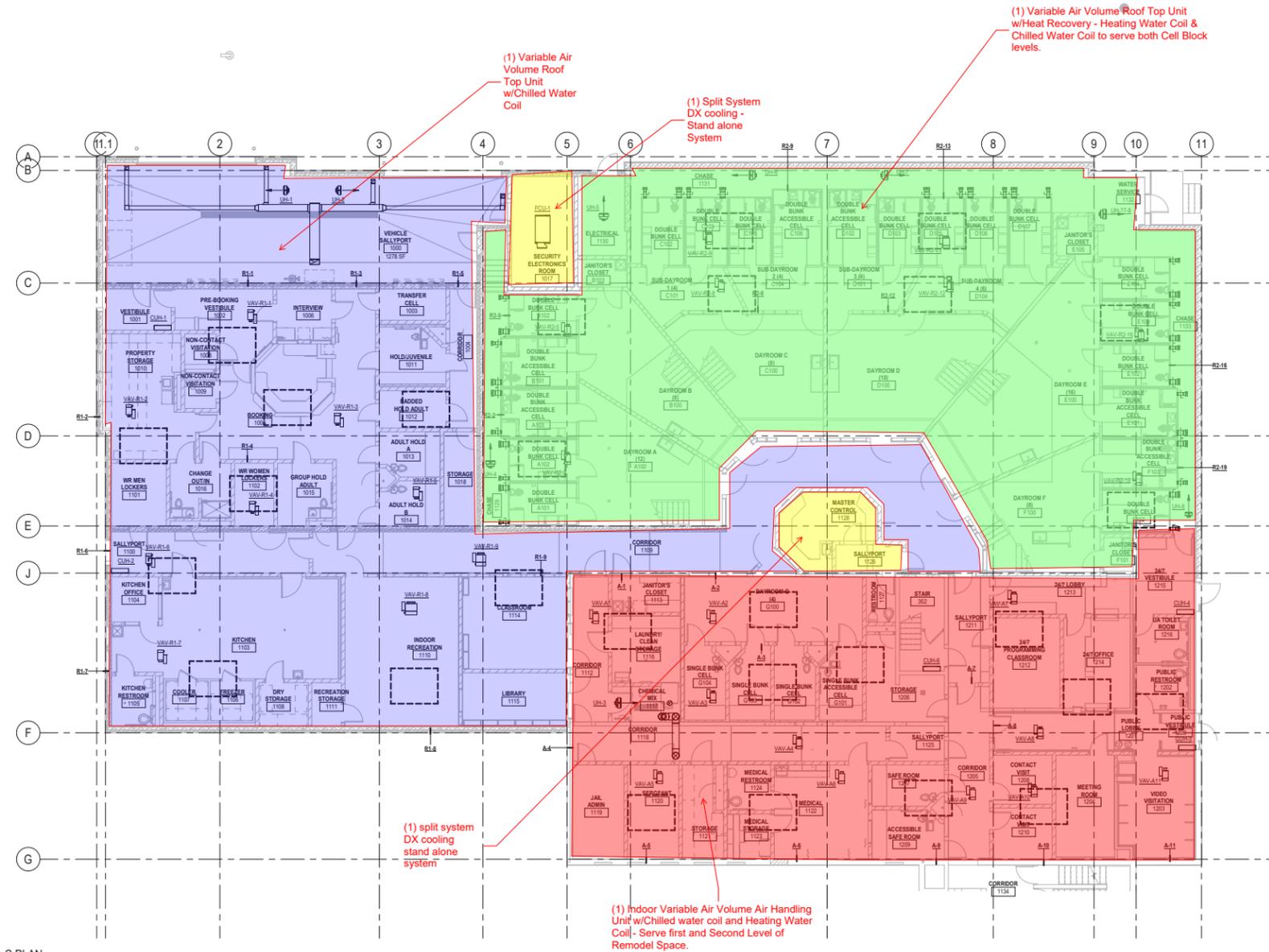
SOUTH ELEVATION

INTERIORS

MECHANICAL SYSTEMS OVERVIEW

Other Mechanical Equipment

- (2) New Hot Water Heating Boilers for new addition, existing building and back-feeding existing Courthouse.
- (1) Roof Mounted Gas Fired Make-Up Air Unit to serve the Grease Hood.
- (1) 120 ton Air Cooled Water Chiller to serve the new addition and the existing Building.
- Existing Fan Coil Units in Administration Area to remain and will be fed by the new boilers and chiller.
- Existing AHU-3 in the basement of the Administration Area to remain and will be fed by the new boilers.



LEVEL 1

SOFT COSTS

PROJECT ESTIMATE

Project: Brookings County Detention Center
 Location: Brookings, SD
 Date: 9/23/2019



Description	Conceptual Estimate - 09/23/19			Remarks
	SF	Unit Cost	Total Budget	
Building Construction Costs Budget				
Site Management	-	-	\$1,281,622	
Reimbursable Expenses	-	-	\$119,852	
General Conditions - Cost of Work	-	-	\$310,315	
Demolition	23,800	\$5.38	\$128,064	
Building Shell	23,800	\$114.85	\$2,733,511	
Finishes	23,800	\$38.10	\$906,817	
Detention & Food Service	23,800	\$91.66	\$2,181,401	
Mechanical & Electrical	23,800	\$125.80	\$2,993,993	
Building Construction Totals			\$10,655,575	
Site Construction Costs Budget				
Site Construction	-	-	\$222,314	
Site Construction Totals			\$222,314	
Permits, Bonds & Insurance				
Insurance & Bonds	-	-	\$241,929	
Risk Insurance on Subs	-	-	\$105,209	
Building Permits	-	-	\$67,050	
Contractor's Excise Tax	-	-	\$276,490	
CM Preconstruction	-	-	\$46,750	
CM Fee	-	-	\$414,735	
Design Contingency	-	10.00%	\$1,196,300	
Construction Contingency	-	5.00%	\$598,150	
Total Permits, Bonds & Insurance			\$2,946,613	
Total Construction Budget			\$13,824,502	

Soft Costs				
A & E Fees		7.4%	\$1,023,013	
Civil Fees			-	In A&E fee
Site Survey			-	Completed by Brookings County
Permits			\$0	SAC/WAC?
Architect's Reimbursables			\$80,000	Budget from BKV on 9/10
Asbestos Abatement			-	None needed per BKV on 9/10
Phone System			\$0	
Video Visitation			\$0	
Detention Furniture			\$0	
FF & E			\$200,000	Budget from BKV on 9/10
Utility Relocation			\$0	
Commissioning			\$0	
Owner Contingency		1%	\$138,245	
Total Soft Costs			\$1,441,258	
Accepted VE & Alternate Items - See Details Below			\$0	
Total Project Budget			\$15,265,760	