

## Justice Experience



### **Lawrence County Public Safety and Services Center | Deadwood, SD**

Project involves approximately 75,000 SF of new construction including vehicle sally port, inmate housing (130 beds), courtrooms, dispatch, evidence, kitchen, laundry, indoor shooting range, and a mechanical/electrical penthouse. Mechanical systems include chilled water, boilers, variable air volume air handlers, smoke control, and mission critical cooling. Electrical infrastructure includes redundant diesel generators. (2022 - \$37,000,000 estimated)



### **Pennington County Jail Infrastructure Assessment | Rapid City, SD**

Project involved a condition assessment and recommended repairs of existing mechanical, electrical, and plumbing infrastructure at the main Jail and Jail Annex buildings on the Pennington County central campus in Rapid City, SD. Recommended improvements are intended to prepare the facilities for another 30 years of useful life. (2021)



### **Pennington County Juvenile Services Center – Controls Upgrade | Rapid City, SD**

Modifications to existing HVAC equipment and development of new control sequences. Reviewed existing smoke control protocols and developed sequences for integration into the new control system. Project included specification of new Firefighter's Smoke Control System (FSCS) panel and definition of graphical representation of the smoke control system. (2020 - \$350,000)



### **Winner Law Enforcement Center Remodel and Addition | Winner, SD**

Multi-phased project for the remodel of 3,500 SF of the existing Law Enforcement Center and construction of a 8,500 SF addition to the facility. This 4 phase project included a new vehicle sallyport, open bunk dorms, holding cells, restrooms, and shower areas. (2020 - \$3,600,000)



### **Hutchinson County Courthouse | Olivet, SD**

Project involved construction of a new county courthouse facility for Hutchinson County in Olivet. The building is a 22,300 SF single story wood structure with a 3,000 SF basement to house county offices including Treasury, Auditor, Equalization, Social and Veteran Services, State's Attorney, Highway and Sheriff's offices, holding cells, Commissioner meeting room, Judge's Chambers and a Courtroom. HVAC systems included natural gas-fired condensing boilers with preheat coils, VAV reheat with indoor modular air handling units and an air cooled condensing unit. Cost effective indoor LED lighting with occupancy sensors was installed throughout. A fire alarm system and communications cabling was also included. (2020 - \$5,137,000)

### **South Dakota Women's Prison – E Unit Bathroom Repairs | Pierre, SD**

Project consisted of a renovation to the Women's restrooms and shower areas in the Cell Blocks A thru E. As part of this project, the restrooms were upgraded to ADA compliance and the shower basins, shower domestic water mixing station assemblies, HVAC grilles, sprinkler heads and lights replaced with new. (2019)



### **Pennington County Jail Expansion | Rapid City, SD**

This multi-phase expansion project to the Pennington County Jail Complex in Rapid City included a 15,900 SF ground floor remodel to convert the existing lower-level parking into new kitchen and laundry spaces to serve 1200 beds, new jail support offices, new loading dock, and a new covered law enforcement parking area. Engineering challenges included maintaining existing jail functions while expanding and relocating existing mechanical and electrical services under a phased construction project. (2018 - \$6,360,000)

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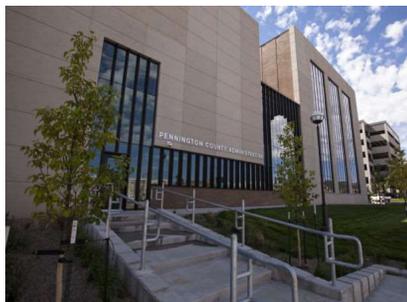
### **Pennington County Courthouse Entry Addition | Rapid City, SD**

This project consisted of the construction of a new three-story addition to the front façade of the existing Pennington County courthouse facility. The first floor of the addition is a new secured entrance vestibule with gates and x-ray detectors, an exit passage and new security office. New corridors and passageways to the outside and the main public corridor in the courthouse were also created for better traffic flow. Mechanical and electrical systems included air handling units on each floor, hydronic unit heaters, and LED lighting controlled by occupancy sensors. Second and third floors remain shelled spaces for future fitout. (2018 - \$2,250,000)



### **South Dakota Women's Prison – Security Door Replacement | Pierre, SD**

This project involved door, door hardware and door security changes for approximately 60 doors. The majority of this work was done while the facility was occupied, so care was taken to streamline the work in the secure areas. Security plans delineating wiring, re-wiring and repowering of doors utilized typical lockset wiring diagrams with specifics of contractor scope for each type of lockset. Combined with floorplans showing all doors and equipment locations, the door replacement wiring contractor was able to rewire the doors for a smooth lockset upgrade. (2017)



### **Pennington County Campus Expansion | Rapid City, SD**

This phased multi-structure project is situated on a single city block just east of the existing County campus. The initial phase consisted of a new 22,000 SF Evidence Building with an energy plant sized to serve the campus expansion. Once the new Evidence Building was operational, the existing evidence building was removed from the site and a new 100,000 SF Administration Building was constructed in its place. The Evidence Building includes evidence processing and storage as well as a new forensic evidence laboratory. The Administration building includes all departmental functions requiring public interface, as well as the critical mission functions of Emergency Management, 911 Dispatch, and Information Technology. (2014 - \$23,000,000)



### **SD DOC West River Community Transition Center | Rapid City, SD**

Renovations and additions to an existing manufacturing building created this minimum security detention center. The facility includes a 3,000 SF parole office, 18,200 SF of inmate housing, 15,800 SF of inmate support space, 8,300 SF of kitchen and dining room, 2,500 SF of on-site laundry, and 4,800 SF of warehouse. The design incorporated special mechanical and electrical systems such as ground-source geothermal heating and cooling, ventilation heat recovery, and a standby generator capable of maintaining building function during extended power outages. This project achieved certified LEED Silver. (2012 - \$4,200,000)



### **Pennington County Juvenile Services Center – RTU Replacement | Rapid City, SD**

This project implemented recommendations made by Skyline under a prior planning effort. Ten gas-fired RTUs scheduled for replacement were upgraded to air-source heat pumps with integral gas furnaces for backup heat. The \$100,000 incremental cost over replacement with like units is anticipated to be recovered in seven years or less. (2012 - \$300,000)

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### **Pennington County Facility Audit and Master Plan | Pennington County, SD**

Master planning effort that included an ASHRAE Level 2 energy audit and analysis of eleven facilities in the Rapid City area (~462,000 SF total), with a primary focus on the downtown central campus. Existing mechanical, electrical, and control systems were reviewed in conjunction with historical utility bills to identify opportunities for low cost and no cost energy efficiency improvements. Documentation included payback analysis to prioritize improvements and recommendations for implementing an energy accounting infrastructure to better understand energy consumption in the buildings at the downtown courthouse complex. (2010)



### **Pennington County Jail Annex 2nd & 3rd Floor Remodel | Rapid City, SD**

This 41,500 SF project involved finish of the shelled spaces provided under the original Pennington County Jail project completed by Skyline Engineering in 2006. The second floor was finished to include 58 beds of minimum-security configured in sleeping bays. The third floor was finished for 24 cells of medium-security and 8 cells of maximum-security space. Additional dayrooms, showers, recreation spaces, multipurpose spaces and support facilities were developed for each finished level. The Mechanical and electrical designs extended the existing systems to support the new spaces. (2009 - \$5,800,000)



### **Pennington County Jail Annex | Rapid City, SD**

The Pennington County Jail project included construction of a new 4-story, 128 bed multi-level security facility with two floors of shelled space for future development. The building is situated on the County Courthouse Complex campus, adjacent to the Public Safety Building and the existing Jail. A new connector from the central plant to the facility and a three-level parking structure were also included in the project. (2006 - \$10,200,000)



### **Yankton Sioux Tribe Correctional Facility | Marty, SD**

This project renovated an old moccasin factory in south eastern South Dakota to serve as a juvenile and adult corrections center for the Yankton Sioux Tribe. The building is a single story with mezzanine sleeping areas, totaling a little over 20,000 square feet. The facility includes 16 cells configured for flexible use for both adult and juvenile inmates, as well as shared classroom and indoor recreation areas. Other functions of the facility include intake and booking (separate areas for juveniles and adults), administrative areas, full commercial kitchen and laundry. The building was designed to satisfy BIA and ACC standards. (2006 - \$6,360,000)



### **Lower Brule Justice Center | Lower Brule, SD**

The Lower Brule Justice Center serves as a juvenile and adult corrections center for the Lower Brule Reservation in central South Dakota. The building is a single story with mezzanine sleeping areas, totaling 37,260 square feet. The facility includes space for 36 adult and 10 juvenile inmates, as well as shared classroom and indoor recreation areas. Other functions of the facility include intake and booking (separate areas for juveniles and adults), administrative areas, full commercial kitchen and laundry. The building was designed to satisfy BIA and ACC standards. (2005 - \$8,700,000)