



R & S CORPORATION

March 10, 2017

Sheriff Kenneth W. Stolle
Virginia Beach Sheriff's Office
2501 James Madison Boulevard
Virginia Beach, Virginia 23456

RE: Unsolicited Proposal for the Master Control Upgrade/Renovation
Virginia Beach Sheriff's Office and Jail

Dear Members of the Selection Committee:

R&S Corporation is pleased to submit this conceptual proposal to the City of Virginia Beach and the Virginia Beach Sheriff's Office for the planning study, design, and construction of the master control upgrade/renovation at the Virginia Beach Jail. Our submission represents an unsolicited proposal in accordance with the City of Virginia Beach's procedures regarding requests made pursuant to the Public-Private Infrastructure Act of 2002.

Working closely with the Virginia Beach Sheriff's Office and our design partner, Moseley Architects, we will develop an approach that maximizes safety and efficiency and improves command and control throughout the Virginia Beach Jail by:

- putting information in the right places
- accessing high quality real time and recorded video
- enhancing the real time inmate movement board
- moving from historical to real time

In Volume II of our conceptual proposal, as provided in subsection 56-575.4(G) of the Act, we are invoking the protections of Virginia code section 2.2-3705.6 for the information contained herein, which constitutes proprietary intellectual property and a unique product of the expertise of our team. Release of its details would compromise the competitive process.

Thank you for considering this proposal. We look forward to working with the City and the Sheriff's Office and welcome an opportunity to meet with you to discuss this project.

Sincerely,

Jimmy Rush Jr.
Vice President

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Section 1

QUALIFICATIONS AND EXPERIENCE

a. Identify the legal structure of the firm or consortium of firms making the proposal. Identify the organizational structure for the project, the management approach and how each partner and major subcontractor in the structure fits into the overall team.

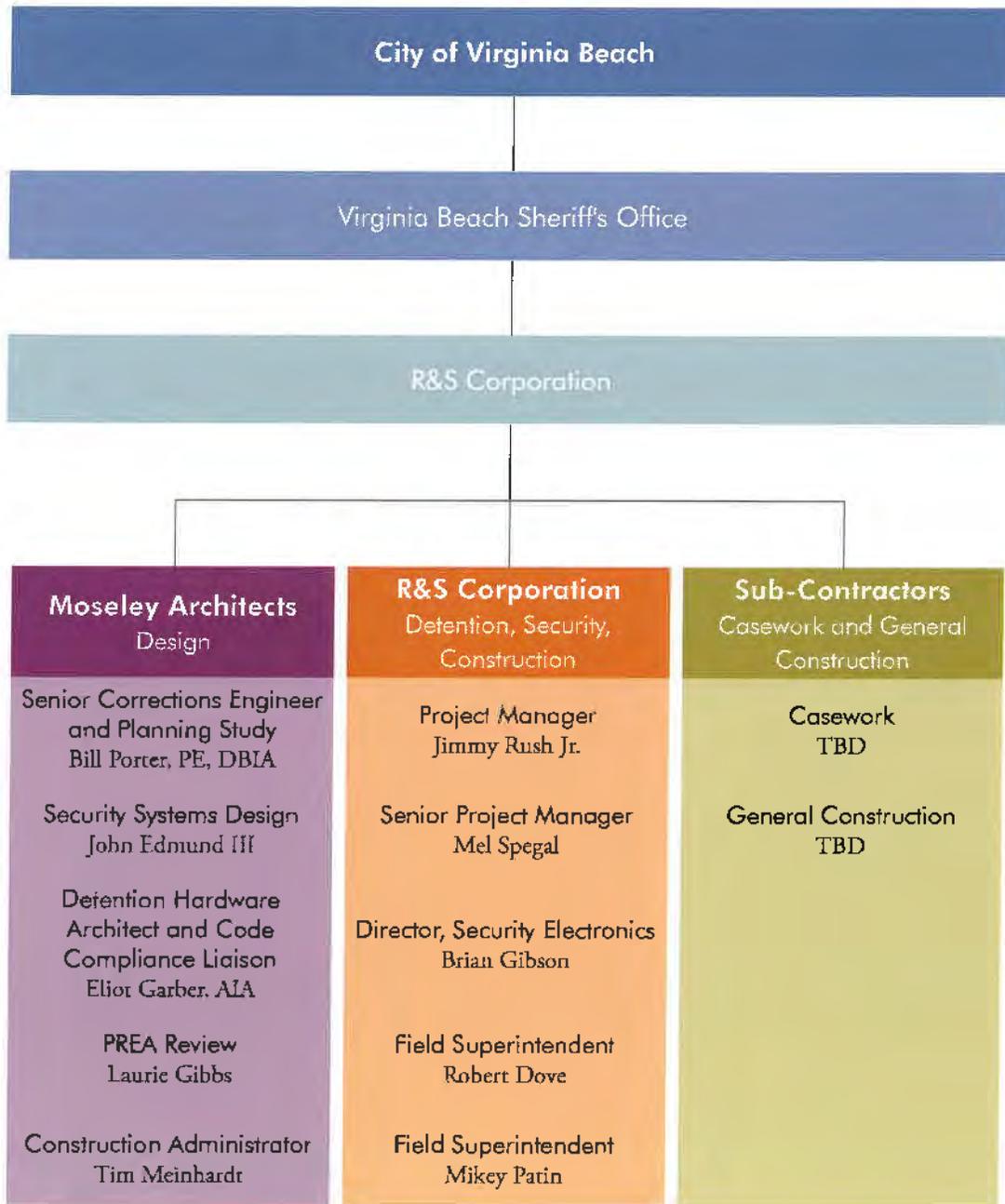
The proposing entity for this unsolicited proposal is R&S Corporation (R&S). R&S will be the primary point of contact and leader of the design-build team, and will hold the comprehensive legal and design-build agreements.

R&S Corporation
Post Office Box 80298
Baton Rouge, LA 70898
(225) 749-8001

Moseley Architects, sub-consultant to R&S Corporation, will provide security systems architectural and engineering design services, Prison Rape Elimination Act (PREA) review, construction administration, and will serve as a liaison with code officials. Moseley Architects will also lead the preparation of a planning study, which will describe the scope of the project. With the approval of the sheriff's office, the planning study will be submitted to the Virginia Department of Corrections and Virginia Board of Corrections with the objective of obtaining approval for reimbursement of up to 25 percent of the value of upgraded work.

Moseley Architects
780 Lynnhaven Parkway, Suite 200
Virginia Beach, VA 23452
(757) 368-2800
SWaM #: 647781

QUALIFICATIONS AND EXPERIENCE



QUALIFICATIONS AND EXPERIENCE

b. Describe the experience of the firm or consortium of firms making the proposal and the key principals involved in the proposed project including experience with projects of comparable size, value, quality and complexity. Describe the length of time in business, business experience, public sector experience, and other engagements of the firm or consortium of firms. Include the identity of any firms that will provide design, construction and completion guarantees and warranties and a description of such guarantees and warranties. Provide resumes of the key individuals who will be involved in the project.

R&S Corporation

Founded in 1967 in Baton Rouge, Louisiana, R&S Corporation is an industry-leading, single-source provider and integrator of innovative detention equipment and security electronics to local, state, and federal government agencies. For over 49 years, we have established an operating philosophy of uncompromising quality and service in new construction, retrofits, design-builds, and existing facility maintenance for over 500 facilities, from small local detention facilities and large federal correctional facilities.

R&S Corporation offers extensive experience in the design, fabrication, and installation of detention equipment and security electronics. We handle each phase of construction, from concept through service and warranty.

Our firm has qualified staff and employees in the following categories:

- Conceptual design
- Specifications and plans development
- Security doors and frames
- Touch screen control systems
- CCTV systems (cameras, digital recorders, monitors)
- Paging systems
- Perimeter detection systems
- Man-down systems
- Access control systems
- Security locking devices
- Security ceilings
- Detention furnishings
- Detention grating and plate work
- Security wire mesh
- Security hardware
- Security glass

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Location

P.O. Box 80298
Baton Rouge, LA 70898
(225) 749-8001

Key Principal

Jimmy Rush

Date of Organization

1967

Size of Company

???? employees

R&S currently holds licenses in Virginia, Alabama, Florida, Georgia, Louisiana, Mississippi, and North Carolina.

QUALIFICATIONS AND EXPERIENCE

Moseley Architects

Founded in 1969 in Richmond, Moseley Architects specializes in service to local, state, and federal governments. Over its 47-year history, the firm has earned a reputation for quality, reliability, and responsiveness among more than 190 government clients, including the City of Virginia Beach.

The firm has guided the master planning, implementation, and construction of over 165 jail/correctional facilities, which total over 9,250,200 square feet and include over 20,220 secure beds.

Moseley Architects is registered in the Commonwealth of Virginia and is comprised of over 200 architectural and engineering professionals and support staff in nine offices including Virginia Beach, Richmond, Fairfax, Warrenton, Harrisonburg, and Roanoke, VA; Charlotte and Raleigh, NC; and Columbia, SC. This includes security system designers; architects; structural, mechanical, electrical, plumbing, and fire protection engineers; Prison Rape Elimination Act (PREA) and policy and procedures implementation and compliance; operations and staffing/transition consultants; interior designers; environmental impact planners; specification writers; interior designers; and construction administrators.

Moseley Architects has considerable experience in the analysis, planning, engineering, design, and construction of integrated security systems. Their background in the design of new security systems, security systems replacements/upgrades, and extensions of security systems will assist our team in the selection of appropriate and cost-effective technology to meet your needs. This includes:

- camera systems - analog and IP
- video and audio recording
- intercom and paging systems
- GUI interfaces
- access control
- programmable logic controllers
- UPS systems
- duress alarm systems
- window and door/perimeter intrusion detection
- communications systems
- motion detection
- passive security measures
- site security
- biometrics
- surge and lightning protection
- recording systems

Location

780 Lynnhaven Parkway
Suite 200
Virginia Beach, VA
23452
(757) 368-2800

Key Principal

Bill Porter, PE, DBIA

Date of Organization

1969

Size of Company

212 employees

QUALIFICATIONS AND EXPERIENCE



Moseley Architects and R&S Corporation collaborated on the Meherrin River Regional Jail in Brunswick, which was successfully completed under a public-private partnership.

Moseley Architects has successfully served clients on 24 public-private partnership projects totaling more than \$645 million in construction value with a collaborative management approach among the owner, contractor, and architect. These projects include facilities for the Meherrin River Regional Jail Authority in Mecklenburg and Brunswick Counties, the Rappahannock Regional Jail renovation, and the Green Rock, Pocahontas, River North, and Deerfield correctional facilities for the Virginia Department of Corrections. The firm has also completed over 40 additional design-build facilities, which total over \$1 billion in construction value.

The firm is familiar with Virginia codes and the Virginia Department of Corrections' reimbursement process. Eliot Garber, AIA, will review life safety issues to see that they have been addressed in accordance with the Virginia Uniform Statewide Building Code (VUSBC), the International Building Code (IBC), and the Americans with Disabilities Act (ADA) architectural guidelines and accessibility requirements.

In addition, Laurie Gibbs, the firm's director of criminal justice policy and compliance, writes Prison Rape Elimination Act (PREA) implementation policies and procedures for detention and correctional clients. She also reviews the firm's designs to see that PREA standards are met.

Management Approach



Together, the R&S Corporation-Moseley Architects design-build team will utilize a collaborative management approach that will include the City of Virginia Beach and the Virginia Beach Sheriff's Office as integral parts of the team. This approach will allow our team to see that the project is designed and constructed to meet specific project objectives, while delivering your master control upgrades/renovation on time and within budget.

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Moseley Architects will serve as sub-consultant to R&S Corporation.

QUALIFICATIONS AND EXPERIENCE

Guarantees and
Warranties

October 14, 2016

R&S Corporation: Letter of Warranty

R&S Corporation hereby certifies and warrants all security controls work for the Virginia Beach Sheriff's Office and Jail Project for a period of one year.

During this period, R&S Corporation agrees to repair or replace any defective security control materials, when given written notice during the warranty period.

This warranty excludes damage due to misuse, neglect, vandalism, acts of god, and abuse, including unauthorized field modifications and/or adjustments.

R&S Corporation shall not be liable for any consequential, incidental, or special damages.

Sincerely,



Jimmy Rush Jr., Vice President
R&S Corporation

QUALIFICATIONS AND EXPERIENCE

Team Experience

R&S Corporation and Moseley Architects have worked together successfully on numerous projects, which include the following.

Meherrin River Regional Jail - Brunswick

- PPEA
- 2012 completion
- R&S: Detention and security electronics contractor
- Moseley Architects: Project architect, electrical engineer, fire protection engineer, mechanical engineer, plumbing design, interior design, LEED planning
- \$44,484,924 / 164,413 square feet

Meherrin River Regional Jail - Mecklenburg

- PPEA
- 2012 completion
- R&S: Detention and security electronics contractor
- Moseley Architects: Project architect, electrical engineer, fire protection engineer, mechanical engineer, plumbing design, interior design, LEED planning
- \$11,995,326 / 40,015 square feet

River North Correctional Center Segregation Recreation Addition

- 2013 completion
- R&S: Support to Virginia Department of Corrections (VDOC) and the Corrections Construction Unit (CCU) during construction
- Moseley Architects: Project architect, electrical engineer, plumbing design, structural engineer
- \$300,000 / 2,600 square feet

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Meherrin River Regional Jail - Brunswick

QUALIFICATIONS AND EXPERIENCE

River North Correctional Center Officer Towers and Bridges Addition

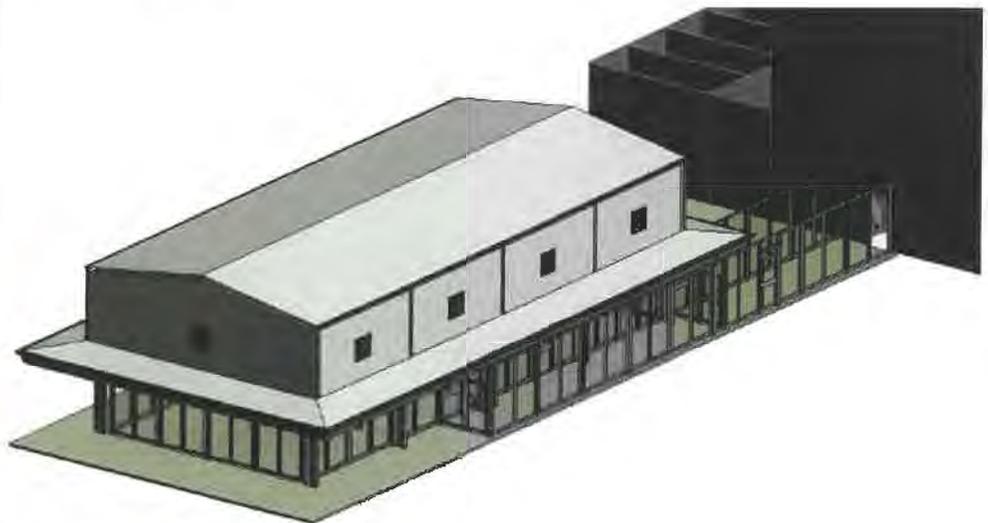
- 2013 completion
- R&S: Support to VDOC and CCU during construction
- Moseley Architects: Project architect and structural engineer
- \$200,000
- 584 square feet

Sussex State Prison Outdoor Recreation Building

- Design-Build
- 2016 completion
- R&S: General Contractor
- Moseley Architects: Project architect, electrical engineer, fire protection engineer, and BCOM document preparation
- \$1,385,910
- 2,300 square feet

Sussex State Prison Lawyer Wall

- Design-Build
- 2016 completion
- R&S: General Contractor
- Moseley Architects: Project architect
- \$150,000
- 112 square feet



Sussex State Prison Outdoor Recreation Building

QUALIFICATIONS AND EXPERIENCE

Team Resumes

Team resumes can be found on the following pages.

James Rush Jr.—Project Manager

R&S Corporation

A vice president of the firm since 2010, Jimmy brings over eight years of experience in all phases of detention manufacturing and construction, including profit and loss responsibility, project management, administration, estimating, design, and installation.

His responsibilities include:

- Estimating
- Design
- Management
- Coordination from contract signing to final close-out
- Installation of detention equipment and security electronics
- Manufacturing
- Cost tracking
- Accounting
- Directing field crews

Education

Louisiana State University,
2004-2008

Mel Spegal—Senior Project Manager

R&S Corporation

Mel has over 35 years of experience in all phases of detention manufacturing and construction, including full profit and loss responsibility, project management, administration, estimating, engineering, design, and installation. His project management responsibilities include directing, coordinating, and monitoring the construction progress from initial customer contact through contract signing and final project close-out.

His experience includes:

- R&S Corporation
 - Senior Project Estimator (2004—Present)
- ESI Companies
 - Vice President/Estimating (2000—2004)
 - Senior Project Manager/Estimator (1996—2000)
- Stewart Decatur Security Systems (1980—1996)
 - Vice President/General Manager

Education

Pendleton County High
School, 1978

2000 hours of Vocational
Training in Drafting

Dale Carnegie Executive
Image Program, August 1992

QUALIFICATIONS AND EXPERIENCE

Brian Gibson—Director of Security Electronics

R&S Corporation

Brian offers over 26 years of experience in the design and installation of detention systems for diverse companies and organizations, including a detailed knowledge of security procedures, technologies and practices.

Technology Summary

- Controls
 - PLC based systems
 - Hard-wired systems
 - Access controls
 - CCTV
 - DVRs
 - Perimeter systems
 - Man-down systems

Manufacturers

- MTI
- Pelco
- Bosch
- Honeywell
- HID Access Controls
- Senstar
- Sentury Products

His experience includes:

- R&S Corporation
 - Director of Security Electronics (2005—Present)
- MTI
 - Project Manager (1998-2005)
 - Production Manager (1998-2002)
- Goff Group
 - Network Administrator (2002-2005)

Education

Associate of Science,
Electronics, 1988

Licenses

Virginia Department of
Criminal Justice Compliance
Agent, Electronic Tech

Louisiana Fire Marshal

Georgia Low Voltage
Unrestricted

QUALIFICATIONS AND EXPERIENCE

Robert Dove—Field Superintendent

R&S Corporation

Robert has over 30 years of experience in all phases of detention manufacturing and construction, including directing field crews and manufacturing and installing detention equipment.

His experience includes:

- R&S Corporation
 - Field Superintendent (1985—Present)

Responsibilities:

- Installation of detention equipment
- Project coordination with sub-contractors
- Detention equipment manufacturing
- Directing field crews
- Maintaining project schedule

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Mikey Patin—Field Superintendent

R&S Corporation

Mikey has over 15 years of experience in all phases of detention equipment installation, including frames, doors, hardware, glass, grating, and sliding devices. He has recently completed the installation of all security equipment on the \$100 million Mount Rogers Correctional Facility in Independence, Virginia.

His experience includes:

- R&S Corporation
 - Field Superintendent (1990—Present)

Responsibilities:

- Detention equipment installation
- Project coordination
- Cost tracking
- Directing field crews

Bill Porter, PE, DBIA—Senior Corrections Engineer and Planning Study

Moseley Architects

A resident of Virginia Beach for over 33 years, Bill offers seven years of experience with Moseley Architects and over 37 years of experience in jail and correctional design and construction administration. In December 2009, Bill was the only engineer appointed by Virginia's Board of Corrections to serve on the committee to amend and update the state's jail standards. Bill wrote the "Shared Resources" chapter for the current American Correctional Association's (ACA) Planning and Design Guide for Secure Adult and Juvenile Facilities. He also serves on the ACA's Facility Design Committee.

Relevant Projects

- Virginia Beach Emergency Communications Center, VA*
- Virginia Beach Juvenile Detention Center, VA*
- Hampton Roads Regional Jail Authority Security System Upgrade, VA
- Southwest Virginia Regional Jail (MEP and security electronics) Planning Study and Design (Abingdon, Duffield, and Haysi), VA*
- New River Valley Regional Jail (MEP and security electronics), VA*
- Chesapeake Jail Expansion, VA
- Amherst County Detention Center, VA
- State Correctional Institution at Benner Township, Department of Corrections, PA
- US Navy High Value Detainee Facility and Legal Complex Replacement, Guantanamo Bay, Cuba
- US Navy Consolidated Brig, Chesapeake, VA
- RSW Regional Jail, VA
- Federal Correctional Institution, Hazelton, WV
- Norfolk Jail/Civic Center Central Plant Design (for Moseley Architects), VA*
- Fairfax County Adult Detention Center Prerelease Center, VA*
- St. Bride's Correctional Facility Phase II, VA*
- Western Correctional Institution Master Plan, Housing and Site Design, Department of Public Safety and Correctional Services, MD*
- Fort Leavenworth Regional Correctional Facility Design, KY*
- Loudoun County Adult Detention Center II, VA*
- Gwinnett County Detention Center Expansion MEP Design, GA*
- Kane County Detention Center (MEP, security, security electronics), IL*
- Rivers Correctional Facility, NC*
- Western Virginia Regional Jail, VA*

**denotes experience gained prior to joining Moseley Architects*

Education

Bachelor of Science, Business Administration, 1974

Bachelor of Science, Engineering, Science, Mechanics & Materials, 1978

Registration

Professional Engineer: VA, FL, KS, MD, NC, OH, OK, PA, SC, TN, WV

NCEES Certified

Affiliations

American Correctional Association

American Society for Testing and Materials International

Design-Build Institute of America

John Edmund III—Security Systems Design

Moseley Architects

John is a security design specialist who has overseen and managed the design and integration of security systems on numerous projects. These projects have included access control, intercom and audio, locking controls, CCTV, intrusion alarm, lighting control, and integrated group control systems. He has also managed every aspect of security systems to include wiring of devices, project drawings and documentation, programming of all electronic systems and controls, and integration of different systems with each other. Prior to joining Moseley Architects, John served as project manager for one of the largest security firms in the US.

Relevant Projects

- Chesapeake Jail Expansion, VA
- Fairfax County Adult Detention Center Security System Upgrade, VA
- Fairfax County Juvenile Detention Center Security System Upgrade, VA
- Martinsville Sheriff's Office Prison Rape Elimination Act Policies and Procedures Development, VA
- Beaufort County Law Enforcement and Detention Center Study, SC
- Colleton County Law Enforcement Center, SC
- Dorchester County Detention Center, SC
- Georgetown County Detention Center Facilities Needs Assessment, SC
- Iredell County Detention Center Expansion, NC
- Nash County Sheriff's Office/Court Renovation and Addition, NC
- Pickens County Jail, SC
- Polk County Law Enforcement and Detention Center, NC
- Spartanburg County Detention Center Renovation, SC
- Stokes County Jail Expansion, NC
- York County Moss Justice Center Renovation and Addition, SC
- York County Family Court, SC
- Wayne County Satellite Jail, NC
- Arlington County Detention Facility, VA*
- Culpeper County Juvenile Correctional Center, VA*
- Guilford County Detention Center, NC*
- Prince George's County Prison Security System, MD*
- Spotsylvania County Public Safety Building, VA*

Training
AMAG Symmetry
GE Simplicity
Indusoft Web Studio
AutoCAD 2009 Electrical
Rockwell Automation

**denotes experience prior to Moseley Architects*

QUALIFICATIONS AND EXPERIENCE

Eliot Garber, AIA—Detention Hardware Architect and Code Compliance Liaison

Moseley Architects

Eliot has over 37 years of experience in a variety of projects ranging from feasibility and planning studies through construction administration. Eliot's responsibilities include researching detention security equipment for user needs, deriving criteria for owner's decisions, quality control, and coordination of all project documents. He will work closely with our entire team to coordinate all aspects of your project, focusing on detention hardware design.

Relevant Projects

- Fairfax County Adult Detention Center Security System Upgrade, VA
- Fairfax County Juvenile Detention Center Security System Upgrade, VA
- Hampton Roads Regional Jail Authority Security System Upgrade, VA
- Henrico County Jail East and Jail West Security System Upgrade, VA
- Southwest Virginia Regional Jail Authority - Renovation and Expansion (Consultant for detention and security systems), VA
- Blue Ridge Juvenile Detention Security System Consulting, VA
- Prince William Juvenile Detention Center Security System Upgrade, VA
- Shenandoah Valley Juvenile Center Security Consulting, VA
- Bland Correctional Center Lock and Cell Door Replacement, Group 2, Department of Corrections, VA
- Augusta Correctional Center, Greensville Correctional Center, Nottoway Correctional Center, and Buckingham Correctional Center Replacement of Security Doors, Department of Corrections, VA
- Mecklenburg County Integrated Security Improvements for Jail North and Jail Central, NC
- High Value Detainee Facility and Legal Complex Replacement, Guantanamo Bay, Cuba
- Chesapeake Jail Expansion, VA
- Blue Ridge Regional Jail - Amherst County Adult Detention Center, VA
- Blue Ridge Regional Jail Renovation and Addition - Halifax Facility, VA
- Chesterfield County Replacement Jail, VA
- Meherrin River Regional Jail - Brunswick Facility, VA
- Meherrin River Regional Jail - Mecklenburg Facility, VA
- Middle River Regional Jail, VA
- Riverside Regional Jail 480-bed Expansion, VA

Education

Bachelor of Science,
Architecture, 1977

Master of Architecture, 1983

Registrations

Architect: VA

LEED Accredited Professional

Affiliations

American Institute of
Architects

U.S. Green Building Council

Laurie Gibbs—PREA Policy Development and Compliance

Moseley Architects

Laurie brings over 27 years of experience in jail and law enforcement facility administration and management with a focus on criminal justice risk and liability management issues; policies and procedures development; and detention and law enforcement standards, which include Prison Rape Elimination Act (PREA) compliance and accreditation matters.

She has provided agency heads and county managers with assistance related to staffing plans, hiring schedules, liability reduction plans, and procurement of contracted services designed to minimize staff involvement and increase productivity. She has provided services to state prison systems and county law enforcement and detention agencies throughout the nation.

Prior to joining Moseley Architects, Laurie served with the South Carolina Department of Corrections as director of the office of policy development. She has also worked with criminal justice-focused firms as their leading risk management professional.

Relevant Projects

- Martinsville Sheriff's Office PREA Policies and Procedures Development, VA
- South Carolina Association of Counties PREA Policy and Procedure Development and Consulting for 19 County Detention Facilities, SC
- Iredell County Jail PREA Policies and Procedures Development, NC
- Albemarle District Jail Policies and Procedures Update and New Policy Development, NC
- Anderson County Detention Center Policies and Procedures Manual and Inmate Guide Annual Update and Related Consulting, SC
- Cabarrus County Sheriff's Office Policies and Procedures Update and New Policy Development, NC
- Caswell County Detention Center PREA Policy and Procedure Development, Consulting, and Staff Training, NC
- Caswell County Detention Center Policy and Procedure and Inmate Guide Annual Update, NC
- Greenwood County Detention Center Policy and Procedure and Inmate Guide Development, SC
- Horry County Detention Center Policy and Procedures Manual Development, to include PREA Policy Development, and 2015-17 Annual Update, SC
- Horry County Sheriff's Office Policy and Procedures Manual Development, SC
- Wayne County Satellite Jail Policy and Procedure Development, PREA, In-

Education

Master of Criminal Justice,
Correctional Administration
Bachelor of Science, Criminal
Justice/Pre-Law
South Carolina Executive
Leadership Program, South
Carolina Department of
Corrections

Affiliations

American Jail Association
American Correctional
Association
NC and SC Sheriff's
Associations
NC and SC Jail
Administrator's Association

QUALIFICATIONS AND EXPERIENCE

Tim Meinhardt, LEED AP—Construction Administrator

Moseley Architects

With over 30 years of experience, Tim brings a wealth of practical construction knowledge and problem solving ability to each project. These assets are coupled with his strong project management skills and attention to detail. Tim offers a critical eye on the construction site and contributes to project success by communicating effectively with clients, contractors, and the Moseley Architects team.

Relevant Projects

- Bow Creek Recreation Center Modernization, City of Virginia Beach, VA
- Hermitage Elementary School, City of Virginia Beach Schools, VA
- Chesapeake Jail Expansion, VA
- United States Naval Consolidated Brig, Chesapeake, VA
- Scope Complex Improvements Phase 1, City of Norfolk, VA
- Hampton Roads Sanitation District Operations Center Phase VII, VA
- Suffolk Readiness Center Modernization, Department of Military Affairs, VA
- Suffolk Readiness Center Sustainment Maintenance and Repair, Department of Military Affairs, VA
- Lytman Beecher Brooks Library, Norfolk State University, VA
- Nursing and General Education Building, Norfolk State University, VA
- Robinson Engineering and Technology Laboratory Renovations, Norfolk State University, VA
- Technology Building Renovations, Old Dominion University, VA
- New Recreation Center, Old Dominion University, VA
- Athletic Administration Building Addition and Renovation, Old Dominion University, VA
- Allied Health Classroom and Laboratory Renovations, Paul D. Camp Community College, VA
- Storm Water Management Additional Civil Services, Paul D. Camp Community College, VA
- New Academic Building, Radford University, VA
- McNeer Hall Science and Technology Building, Richard Bland College, VA
- Statesman Hall Renovations, Richard Bland College, VA
- Campus Post ISS Building Phase 2 Renovations, Thomas Nelson Community College VA
- Historic Triangle Academic Building, Tidewater Community College, VA
- Chesapeake Campus Academic Building, Tidewater Community College, VA

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Education

Bachelor of Science,
Construction Management,
1986

Registration

LEED Accredited Professional

Relevant Experience



Client Reference

Steve Fink, PE, Public Works
Engineer

Muskegon County
131 E. Apple Ave
Muskegon, MI 49442
Tel: (231) 724-6522

Architect

GMB Architects & Engineers
85 E. Eighth St.
Holland, 49423
Tel: (616) 796-0200

Goldberg Group Architects
805 N. 36th street
St. Joseph, MO 46506
Tel: (816) 233-9300

General Contractor

Gronger Construction
940 Monroe Ave, NW
Grand Rapids, MI 49503
Tel: (616) 454-2900

Completion Date

2015

Contract Amount

\$2,044,329

Muskegon County Jail Adult Complex

R&S Corporation

R&S Corporation was the detention contractor for the construction of this three-story, 622-bed jail, which included furnishing and installing the detention hollow metal doors and frames, locks, hardware, glazing, furniture, and accessories. In addition, R&S set and installed the project's steel cells.

QUALIFICATIONS AND EXPERIENCE



Muskegon County Jail—Juvenile Complex

R&S Corporation

R&S Corporation was the detention contractor for the construction of this juvenile facility, which included furnishing and installing the detention hollow metal doors and frames, locks, hardware, glazing, furniture, and accessories.

Client Reference

Steve Fink, PE, Public Works
Engineer
Muskegon County
131 E. Apple Ave
Muskegon, MI 49442
Tel: (231) 724-6522

Architect

GMB Architects & Engineers
85 E. Eighth St.
Holland, 49423
Tel: (616) 796-0200

Goldberg Group Architects
805 N. 36th street
St. Joseph, MO 46506
Tel: (816) 233-9300

General Contractor

Granger Construction
940 Monroe Ave, NW
Grand Rapids, MI 49503
Tel: (616) 454-2900

Completion Date

2014

Contract Amount

\$494,233

QUALIFICATIONS AND EXPERIENCE

Greensville Correctional Center

R&S Corporation

R&S Corporation was the detention contractor for the renovation of nine housing units, three programs buildings, and the medical and administration areas of this correctional center in Jarratt, Virginia. This included removal of security hollow metal doors and frames and their replacement with new security hollow metal, door, frame, lock, hardware, and glazing. The project also included the replacement of sliders in one dormitory with the R&S Slider as well as cleaning, lubing, and adjusting the existing sliders in the other dormitories.

R&S also provided and installed a new MTI control system for the facility. Exterior windows in the dormitories were fabricated, removed, and replaced with stainless steel windows.

On a separate work order direct with VDOC, we fabricated and removed stair windows in the dormitories, which were replaced with stainless steel windows. (Work order amount \$570,188)

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Client Reference

Bill Ralston, Director of New
Construction
Virginia Department of
Corrections
6900 Almore Drive
Richmond, VA 23225
Tel: (804) 690-6523

General Contractor

Thompson & Litton
Scott Wilson, Project Manager
100 Fifth St., Suite 400
Bristol, TN 37620
Tel: (423) 989-9491

Completion Date

2014

Contract Amount

\$10,656,770



QUALIFICATIONS AND EXPERIENCE

Meherrin River Regional Jail - Brunswick

R&S Corporation and Moseley Architects

Completed under the PPEA delivery method, the Meherrin River Regional Jail serves both pretrial detainees and the sentenced population.

The 164,413-square-foot, LEED Certified facility serves both pretrial detainees and the sentenced population in a 400-bed facility. The design features two separate buildings, connected by a corridor: the jail support building and the housing building. The support building functions as the main public entrance and includes spaces dedicated to visiting, administration, and employee functions.

Security components consist of an integrated system of lock control, CCTV, intercom, and audio alert.

The design also includes a work release component, which is separated from the rest of the jail by secure perimeter construction and sallyports, as well as dedicated space for the magistrate.

R&S Corporation was the detention and security electronics contractor for the project, furnishing and installing the detention hollow metal doors and frames, locks, hardware, glazing, furniture, and TrussDek ceilings. R&S also provided and installed the MTI security electronics, CCTV system, and card access control system.

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Moseley Architects was the architect-of-record, providing architecture; mechanical, electrical, plumbing, and fire protection engineering; interior design; and LEED planning.

Client Reference

Sheriff Brian Roberts,
Chairman of the MRRJ
Authority and Brunswick
County Sheriff
PO Box 705
Lawrenceville, VA 23868
Tel: (757) 217-2610

General Contractor

English Construction
Charles Santore, Project
Coordinator
615 Church Street
Lynchburg, VA 24504
Tel: (434) 845-0301

Completion Date

2012

Construction Cost

\$40,209,524



A seamless project
that was on budget
and on time.

—Brunswick County
Sheriff Brian Roberts

Meherrin River Regional Jail - Mecklenburg

R&S Corporation and Moseley Architects

Completed under the PPEA delivery method, the Meherrin River Regional Jail consists of a new 80-bed regional jail facility in Mecklenburg County, Virginia. The new facility serves as a satellite facility to the main regional jail located in Brunswick County.

The 40,015-square-foot facility contains community custody (work release), fully equipped kitchen and laundry, a dedicated area for the magistrate, a medical services area containing three-bed bed ward and isolation cell, an inmate education area, and an inmate recreation gym. Male and female inmates are housed in dormitory bunks for minimum, maximum, and medium cells. Factory-produced steel cell units were provided. A fully enclosed vehicle sallyport and intake holding/processing with inmate property storage room is also provided.

R&S Corporation was the detention and security electronics contractor, which included furnishing and installing the detention hollow metal doors and frames, locks, hardware, glazing, furniture, and TrussDek ceilings. R&S also provided and installed the MTI security electronics and CCTV system.

Moseley Architects was the architect-of-record, providing architecture and interior design services.

Client Reference

Sheriff Brian Roberts,
Chairman of the MRRJ
Authority and Brunswick
County Sheriff
PO Box 705
Lawrenceville, VA 23868
Tel: (757) 217-2610

General Contractor

English Construction
Charles Santore, Project
Coordinator
615 Church Street
Lynchburg, VA 24504
Tel: (434) 845-0301

Completion Date

2012

Construction Cost

\$11,995,326



Client Reference

Bill Ralston, Director of New Construction
Virginia Department of Corrections
6900 Atmore Drive
Richmand, VA 23225
Tel: (804) 690-6523

General Contractor

J.A. Street & Associates
245 Birch Street
Bloutville, TN 37617
Tel: (423) 323-8017

Completion Date
2013

Contract Amount
\$569,358

Marion Correctional Center

R&S Corporation

R&S Corporation was the detention contractor for the construction of a 61-bed dormitory housing unit at this correctional facility in Marion, Virginia. The project included furnishing and installing the detention hollow metal doors, frames, locks, hardware, glazing, and TrussDek ceilings, as well as providing and installing the MTI security electronic and CCTV system.



Client Reference

Bill Ralston, Director of New Construction
Virginia Department of Corrections
6900 Atmore Drive
Richmand, VA 23225
Tel: (804) 690-6523

Completion Date
2013

Contract Amount
\$270,649

Lawrenceville Correctional Center

R&S Corporation

R&S Corporation was the detention contractor for the fabrication and installation of 174 ceiling grilles, 66 of which included access panels.



Client Reference

Junius Portier, Maintenance
Director
Terrebonne Parish
Consolidated Government
PO Box 2768
Houma, LA 70361
Tel: (985) 209-1549

Architect

Grace & Hebert Architects
501 Government St., # 200
Baton Rouge, LA 7080
Adam Fishbein
Tel: (225)338-5569

General Contractor

Vonce Himel
Thompson Construction Co.
PO Box 187
Thibodaux, LA 70302
Tel: (985)446-5577

Completion Date: 2015

Contract Amount:
\$936,117

Client Reference

Bill Rolston, Director of New
Construction
Virginia Department of
Corrections
6900 Atmore Drive
Richmond, VA 23225
Tel: (804) 690-6523

General Contractor

Pro Construction
Steve Faison
PO Box 11469
Richmond, VA 23230
Tel: (804)278-9022

Completion Date: 2008

Contract Amount
\$92,144



Terrebonne Parish Juvenile Justice Complex

R&S Corporation

R&S Corporation was the detention contractor for the construction of this 32-bed juvenile detention center in Houma, Louisiana. The project included furnishing and installing detention hollow metal doors and frames, locks, hardware, glazing, and Norix furniture. We also provided and installed the MTI security electronics system, CCTV system, and card access system.



Powhatan Correctional Center

R&S Corporation

R&S Corporation was the detention contractor for this project in State Farm Virginia, responsible for removing old sliders and manufacturing and installing eight R&S Corridor Sliders.

Owner

Assumption Parish Police Jury
PO Box 520
Napoleonville, LA 70739

General Contractor

Lincoln Builders
11567 Mercontile Dr.
Baton Rouge, LA 70809
Frances Hall
Tel: (225)706-5038

Architect

Grace & Hebert Architects
501 Government St. # 200
Baton Rouge, LA 70801
Adam Fishbein
Tel: (225) 338-5569

Completion Date

2013

Contract Amount

\$258,200

Assumption Parish Jail Expansion

R&S Corporation

R&S Corporation was the detention contractor for the construction of this jail expansion in Napoleonville, Louisiana, furnishing and installing the detention hollow metal doors and frames, locks, hardware, glazing, and furniture. We also provided and installed the MTI security electronics system.



Client Reference

Mike Whatley, 19th JDC
Building Manager
City of Baton Rouge
PO Box 1471
Baton Rouge, LA 70821
Tel: (225) 436-0350

General Contractor

J.A. Street & Associates
245 Birch Street
Blountville, TN 37617
Tel: (423) 323-8017

Completion Date

2011

Contract Amount

\$588,140

19th Judicial District Courthouse

R&S Corporation

R&S Corporation was the detention contractor for the construction of the holding cells in this 11-story courthouse in Baton Rouge, Louisiana, which included furnishing and installing the detention hollow metal doors and Frames, locks, hardware, glazing, and furniture. In addition, we provided and installed the MTI security electronics system.



QUALIFICATIONS AND EXPERIENCE

Let me again tell you how much I appreciate [Moseley Architects'] work, and the work of your teams, on our project. The new courthouse has exceeded my expectations for beauty, functionality, security, space, and more.

—Beverly R. Cameron,
City Manager

Fredericksburg J&DR Courts Facility Conversion

R&S Corporation and Moseley Architects

Completed under the PPEA delivery method, the new Fredericksburg J&DR Courts Facility houses the J&DR Court & Clerk and the J&DR Court Services Unit. The 17,250-square-foot existing building was the previous home of the General District Court and Clerk, which has moved to a new courthouse directly across the street. The entire existing building was renovated, and a 600-square-foot addition was added at the front entry to create space for queuing and security screening.

R&S Corporation was the detention contractor for the construction of the holding cells, furnishing and installing the locks and pistol locker. We also provided and installed the MTI security electronics, CCTV system, and card access system.

Moseley Architects was the architect-of-record, providing architecture; electrical, structural, and fire protection engineering; security systems design, interior design, and construction administration.



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Client Reference

Beverly Cameron, City
Manager
City of Fredericksburg
P.O. Box 7447
Fredericksburg, VA 22404
Tel: (540) 372-1010

General Contractor

English Construction
Robert Lec, Director of
Preconstruction Services
615 Church Street
Lynchburg, VA 24504
Tel: (434) 845-0301

Completion Date

2015

Construction Cost

\$4,862,366



QUALIFICATIONS AND EXPERIENCE

Sussex State Prison I Outdoor Recreation Building

R&S Corporation and Moseley Architects

This design-build project includes a 2,300-square-foot recreation area for death row inmates.

R&S Corporation was the detention contractor, responsible for manufacturing and installing an interior recreation pen in housing unit five and an exterior recreation pen at housing unit three.

Moseley Architects, as sub-consultant to R&S, provided architectural, electrical, and fire protection design services, as well as BCOM document preparation.



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Client Reference

Bill Ralston, Director of New
Construction
Virginia Department of
Corrections
6900 Almore Drive
Richmond, VA 23225
Tel: (804) 690-6523

Completion Date

2016

Contract Amount

\$1,385,910



River North Correctional Center Officer Towers and Bridges

Moseley Architects and R&S Corporation

This project includes the design of two officer towers, totaling 584 square feet, to monitor inmates in the recreation areas. The towers were designed with galvanized steel and include bridges to the support building.

Moseley Architects was the contract holder and provided architecture and structural engineering services. R&S procured and erected the steel structural material for the officer towers and recreation areas.

Client Reference

Kim Lipp, Chief, Architectural
& Engineering Services
Virginia Department of
Corrections
6900 Atmore Drive, Room
2032
Richmond, VA 23225
Tel: (804) 674-3102

Completion Date

2013

Contract Amount

\$200,000



River North Correctional Center Segregation Recreation Addition
Moseley Architects and R&S Corporation

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This project includes the design of 10 covered outdoor segregation recreation at the River North Correctional Center. The design included a fire protection system, security, detention locks, and fire alarm system under a pre-engineered building structural roof system

Moseley Architects was the contract holder and provided architecture, electrical engineering, plumbing design, and structural engineering services. R&S provided support to Virginia Department of Corrections (VDOC) and the Corrections Construction Unit (CCU) during construction.

Client Reference

Kim Lipp, Chief, Architectural
& Engineering Services
Virginia Department of
Corrections
6900 Atmore Drive, Room
2032
Richmond, VA 23225
Tel: (804) 674-3102

Completion Date

2016

Contract Amount

\$1,385,910

Hampton Roads Regional Jail Security Replacement

Moseley Architects

Moseley Architects was selected to provide security engineering design services for the Hampton Roads Regional Jail's security upgrade project. The 379,885-square-foot regional jail consists of three four-story, three-pod housing units and houses between 1,200 and 1,500 inmates.

The security system replacement project includes: an evaluation of the system; new system design; "Technology Days" (workshops set up by Moseley Architects with competing equipment vendors) to educate the Regional Jail's staff on current security system technologies and options; design phase submission; cost estimates; design development phase and required documents; construction documents phase and required documents; RFP development; evaluation of RFP responses; and on-site construction administration.

This is the largest and one of the first security system upgrade planning studies that was approved for reimbursement by the Virginia Department of Corrections and Board of Corrections.

Client Reference
 Deborah Hand,
 Administrative
 Coordinator
 Hampton Roads
 Regional Jail Authority
 2690 Elmhurst Lane
 Portsmouth, VA
 23701
 Tel: (757) 217-2610

Completion Date
 2016

Construction Cost
 \$3,154,000

LEGEND

- ADMINISTRATION
- CENTRAL PLANT
- CIRCULATION
- CONTROL ROOM
- DAYROOM
- EMPLOYEE SERVICES
- INTAKE/ RELEASE
- KITCHEN
- LAUNDRY
- LIBRARY
- MAINTENANCE
- MECH./ ELEC.
- MEDICAL CENTER
- OUTDOOR RECREATION
- RECORDS
- SHIFT SUPERVISOR
- STAIR/ ELEVATOR
- SUPPORT SPACE
- TEACHER'S OFFICE
- VEHICLE SALLYPORT
- WAREHOUSE/ LOADING



QUALIFICATIONS AND EXPERIENCE

Fairfax County Juvenile Detention Center Security Control System Upgrade

Moseley Architects

Moseley Architects was selected for this multi-phased project consisting of an analysis and study of the security control system and subsequent design and construction administration for the replacement and upgrades of the security system. The scope of work includes approximately 70,100 square feet of the facility.

The project consists of the following, which will be confirmed for inclusion in the renovation project during the schematic and design development phases:

- Upgrade of the audio communication system (paging and intercom systems).
- Integration of the intercom system into the security control system.
- Integration between intercom and camera system for automatic viewing of camera image associated with intercom station.
- Replacement or upgrade of the man-down system.
- Replacement or upgrade of the PLC system, input cards, output cards, and power supplies.
- Replacement or upgrade of the touchscreen workstation.
- Replacement or repair of casework at security control desk where security control system utilizes a different layout from the existing one.
- Replacement or upgrade of security control system equipment in each security equipment room.
- Replacement or upgrade of door control relays.
- Design redundancy into the security control system.
- Replacement or upgrade of the analog video surveillance system. Replacement with an IP video solution or hybrid video solution will be considered.
- Addition of exterior perimeter cameras.
- Addition of interior cameras.
- Review of rooftop perimeter system for replacement or upgrade, or replacement with another technology, such as video analytics.
- Review of loading dock area and recommendations for perimeter control/monitoring, including video analytics.
- Upgrade of the duress alarm system.

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Client Reference

Jason Houtz, Superintendent
Fairfax County Juvenile
Detention Center
10650 Page Avenue
Fairfax, VA 22030
Fairfax, VA 22030-4004
Tel: (703) 246-2909

Completion Date

2017 (pending)

Construction Cost

\$2,200,000

QUALIFICATIONS AND EXPERIENCE

Client Reference

Lisa Edwards, Procurement
Officer
Rappahannock Regional Jail
PO Box 3300
Stafford, VA 22555-3300
Tel: (540) 288-5273

Completion Date

2016

Construction Cost

\$2,191,724

Rappahannock Regional Jail Security Control Planning Study

Moseley Architects

Moseley Architects was selected to provide a reimbursement jail planning study for the jail's security control system upgrades and kitchen floor upgrades. The study incorporated ESITECH's security system upgrade design equipment and installation. The planning study also included kitchen floor upgrades designed by Moseley Architects and procured and installed by English Construction.

This planning study was approved by the Virginia Department of Corrections and Virginia Board of Corrections for 50 percent reimbursement of \$2,191,724 for a total of \$1,095,862 in June of 2016.

Client Reference

Tim Smith, Executive Director
Shenandooh Valley Juvenile
Center
300 Technology Drive
Staunton, VA 22555-3300
Tel: (540) 213-0251

Completion Date

2014

Construction Cost

Study

Shenandoah Valley Juvenile Center Security Consulting

Moseley Architects

Moseley Architects provided Request for Proposal documents to the juvenile center for the upgrade and replacement of the facility's security system. Once the RFP was prepared and advertised for bid, Moseley Architects' services included owner assistance to evaluate bidder's proposals.

Client Reference

Charles Edwards,
Superintendent
Blue Ridge Juvenile Detention
195 Peregary Lane
Charlottesville, VA 22902
Tel: (434) 951-9340

Completion Date

2014

Construction Cost

Study

Blue Ridge Juvenile Detention Security System Consulting

Moseley Architects

Moseley Architects provided Request for Proposal documents to the juvenile facility for the upgrade and replacement of the facility's security system. Once the RFP was prepared and advertised for bid, Moseley Architects' services included owner assistance to evaluate bidder's proposals.

Southwest Regional Jail Authority Expansion and Renovation

Moseley Architects

The Southwest Virginia Regional Jail Authority recently expanded and renovated several facilities including the Abingdon, Duffield, and Haysi Regional Jails. This project will added 512 general population beds and 80 special purpose beds, which are anticipated to raise the current VDOC rated capacity from 896 to 1,408.

Moseley Architects provided security consulting to the architect-of-record, including detention security design and security electronics design, assistance with the development of the guaranteed maximum price, and construction administration.

Our security electronic systems design included the following:

- an integrated touch screen system
- equipment racks
- PLC system
- video surveillance utilizing interior and exterior cameras
- video recording
- paging system
- intercom
- security UPS system
- light control
- inmate telephone control
- full wiring
- cabling and conduit
- detention door locking system
- detention doors
- detention door frames
- associated detention equipment

Prime Architect
Bill Thompson, Vice
President of Architecture
Thompson & Litton
103 East Main Street
Wise, VA 24293
Tel: (276) 328-2161

Completion Date
2014

Construction Cost
\$34,000,000

QUALIFICATIONS AND EXPERIENCE

Prince William County Juvenile Detention Home Security System Upgrade

Moseley Architects

Moseley Architects worked with Prince William County to upgrade the Juvenile Detention Home's security control system. The project included:

- replacing the head end equipment and the conversion of the intercom system to digital audio;
- replacing the touchscreen in master control, adding touchscreens at four other control stations, and replacing graphical user interface (GUI) software;
- relocating, replacing, and adding new cameras to the system as well as upgrades to the video recording system;
- installing a card access system; and
- miscellaneous detention and security control system upgrades throughout the facility.

The project is interior with the exception of replacing the drive-up intercom station and the exterior cameras around the exterior of the building.

Moseley Architects provided security electronics design and construction administration services for the project.

Phased construction occurred in the occupied facility, which remained operational and secure.

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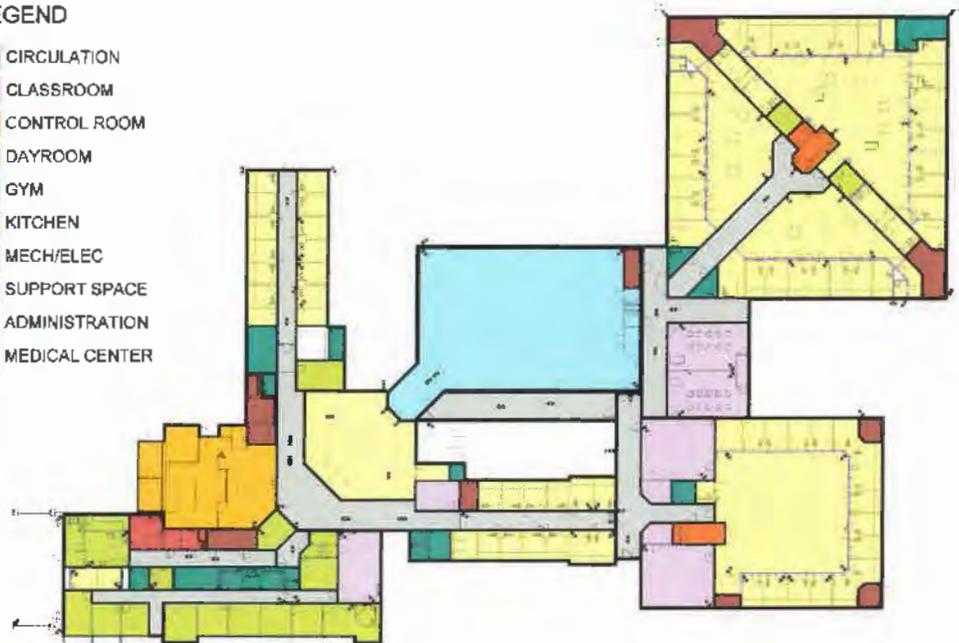
Client Reference
Levi Bass, Chief of Residential
Services Division
Prince William County
Juvenile Detention Home
14873 Dumfries Road
Manassas, VA 22111
Tel: (703) 792-4315

Completion Date
2014

Construction Cost
\$690,733

LEGEND

■	CIRCULATION
■	CLASSROOM
■	CONTROL ROOM
■	DAYROOM
■	GYM
■	KITCHEN
■	MECH/ELEC
■	SUPPORT SPACE
■	ADMINISTRATION
■	MEDICAL CENTER



QUALIFICATIONS AND EXPERIENCE

Mecklenburg County Detention Security System Upgrade and Replacement

Moseley Architects

Moseley Architects provided engineering design, contract documents, and construction administration services for the upgrades and replacement of the detention security systems at the 1,904-bed Jail Central and 721-bed Jail North. Jail Central consists of 702,884 square feet and Jail North consists of 325,304 square feet, including youth offender space.

The security systems upgrade includes a detailed evaluation of the systems and comprehensive plans to replace the master control security systems and all satellite control stations at each facility. Currently, both facilities operate independently with different systems. The new design, components, and managing software for each facility will now be the same. It is the intent to have the systems on the same platform and operate independently, but with the capacity to operate each site remotely with the appropriate controls. In addition, we designed the replacement of all electromechanical sliders with pneumatic sliders.

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Client Reference

Bryan Turner, AIA, Senior
Project Manager
Mecklenburg County Business
Support Services
3205 Freedom Drive, Suite
101
Charlotte, NC 28208
Tel: (704) 336-8816

Completion Date

2017

Construction Cost

\$8,076,340



RSW Regional Jail

Moseley Architects

The new 375-bed RSW Regional Jail serves Rappahannock, Shenandoah, and Warren counties. The 179,4830-square-foot facility includes a full service kitchen and laundry facility, a medical unit, intake and booking facility, magistrate offices, inmate programs and recreations spaces, as well as administration and support areas. The building blends with neighboring facilities without visible features such as razor ribbon, observation towers, or high mast lighting that are often associated with a correctional institution.

This project required the design of a new security system, which included the following:

- development of operational parameters for new electronic security systems;
- video visitation, I.P cameras, and recording;
- the design of security systems to be compliant to the Virginia Uniform State-wide Building Code and Virginia Department of Corrections Construction Standards;
- coordination with jail authority and county sheriff for final design solutions with all digital systems designs and operating software being non-proprietary and open protocol;
- an electronic control system that is the central point of the integrated system, which performs all logic and switching for the systems;
- use of programmable logic controllers (PLC's) connected to an electronic control security network (ESCS);

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Client Reference
Doug Stanley, Chairman
of the RSW Regional Jail
Authority and Warren County
Administrator
220 North Commerce
Avenue, Suite 100
Front Royal, VA 22630
Tel: (540) 636-4600

Completion Date
2014

Construction Cost
\$55,994,265



QUALIFICATIONS AND EXPERIENCE

- individual PLC's in each remote security equipment room and every area with access control to assure local operations for time when the systems are down;
- integration of intercoms with other security systems;
- touch screen control panels that send commands and receive status indications from all devices;
- control over devices that are provided through interfaces;
- door control outputs for secure doors that route as inputs through PLC allowing control centers to monitor and control access;
- video switching through an ECSN;
- miscellaneous devices configured as inputs to the ECSN that display status on touch screens;
- controller wiring sized to provide rated voltage at the operating system; and,
- coordination of services specific to the project design to complete a fully functional and integrated design.

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Throughout our engagement with Moseley, I have found you and your firm to be thoroughly professional and capable in all aspects of the process. I particularly appreciate your firm's deep knowledge and experience base, which enabled us to anticipate problems before they occurred and thereby minimize potentially budget-busting change orders.

—John McCarthy,
Rappahannock County
Administrator



QUALIFICATIONS AND EXPERIENCE

Blue Ridge Regional Jail - Amherst County Adult Detention Center

Moseley Architects

This new facility houses 380 inmates with a core designed for 460. The facility includes both male and female inmates of various security levels as well as a work release housing unit. Five male units (32 beds each) are operated under direct supervision.

The 170,868-square-foot building features a full service kitchen, a laundry facility, and medical unit. Other spaces include intake and booking, magistrate offices, and educational services as well as administration and support areas.

The security control system includes:

- An integrated touchscreen control system that monitors and controls security components throughout the facility during normal operations, and can access remote auxiliary control stations during a 'takeover' operation
- A dedicated computer network for the security control system
- PLC system
- UPS power system for the security control system independent from the building emergency power system.
- Interface with pneumatic door locking system for detention swing doors and sliders
- Interface with designated architectural doors for remote control and/or monitoring
- Control of overhead coiling gate at vehicle sallyport
- Card access system
- Intercom and paging systems, including exterior drive-up intercom stations
- Inmate emergency call-in stations in cells

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Client Reference

Tim Trent, Superintendent
PO Box 6018
Lynchburg, VA 24505
Tel: (434) 847-3100

Completion Date

2011

Construction Cost

\$34,812,761



QUALIFICATIONS AND EXPERIENCE

- Video surveillance via interior and exterior IP cameras
- Video management system, including remote video viewing workstations
- Video visitation system
- Duress alarm system
- Interface with low-voltage lighting fixtures and individual/dayroom domestic water solenoid valves for remote on/off control
- Interface with elevator equipment for remote control by the security control console or local card readers

The facility uses a hybrid solution combining direct and indirect supervision for the medium and maximum security general population housing units. The minimum security and work release housing units are dormitory-style, direct supervision. A separate classification housing unit is included adjacent to intake for inmates to live in until they are appropriately classified. Special housing (in segregation) consists of three units for men and women, in addition to medical cells.

The design incorporated direct supervision for the majority of the housing units. The central circulation spine is approximately 600 feet long, with master control at one end, providing a view down the entire length. Other safety and security measures implemented include segregation units with a control room between the two units. Each segregated cell has a camera that makes monitoring inmates easier and safer.

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Enhanced security features include video visitation and a secure evacuation area outside of the facility in case of emergencies.

The Amherst facility has proven to be secure, user and staff efficient, operations and maintenance friendly, and energy efficient. We are extremely proud of this facility.

—Elton Blackstock,
Former Administrator,
Blue Ridge Regional Jail
Authority



Guilford County Detention Center

Moseley Architects

Moseley Architects was selected to re-validate an earlier program and design this 1,000-bed expansion and renovation to the downtown jail. Located directly adjacent to the existing building, the 354,600-square-foot high rise includes jail administration space, intake areas, kitchen, laundry, and law enforcement spaces. The facility contains core spaces for 1,600 total inmates (inclusive of the 400 +/- rated capacity of the existing jail). Core functions includes a new vehicular sallyport sized for buses, intake and booking areas to include holding cells, magistrate's area, courtroom space, officers' station, dress/shower facilities, property issue, and storage. The administrative area contains records, public and staff toilet and locker facilities, pre-trial services, and training and fitness areas. Public video visitation is located directly off of the public lobby. Inmate housing areas include cells, dayrooms, fresh air recreation, multipurpose rooms, video visitation areas, video arraignment space, showers, utility areas, control rooms and medical area.

Security systems in the facility included more than 1,700 electronic security doors overseen by over 450 video cameras; more than 1,000 intercoms; and 29 public video visitation booths near the public lobby connected to video visitation rooms in the upstairs housing units.

A security system evaluation included:

- review of detention security systems, related equipment and control rooms;
- door control and monitoring;
- card access, locking systems, and controllers;
- intercom, sound monitoring system and controls, and interface with the electronic security stations;
- video surveillance system, digital video recording, storage, playback and interface with the electronic security stations; and,
- network viewing capability and distribution.

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Client Reference

Sheriff B.J. Barnes
PO Box 3427
Greensboro, NC 27401
Tel: (336) 641-3694

Completion Date

2012

Construction Cost

\$84,699,835



QUALIFICATIONS AND EXPERIENCE

The new security system design required the following:

- development of operational parameters for new electronic security systems;
- the design of a security systems to be compliant to the North Carolina State Building Code and all other state and local agencies having authority including the Department of Insurance and Department of Health and Human Services, Division of Health Service Regulation, Construction Division;
- coordination with county and sheriff's office staff for final design solutions with all digital systems designs and related operating software being non-proprietary and open protocol;
- an electronic control system that is the central point of the integrated system, which performs all logic and switching for the systems, communicating discretely and through data interfaces to other control points;
- use of programmable logic controllers (PLC's) connected to an electronic control security network (ECSN);
- integration of intercoms with other security systems;
- touch screen control panels that send commands and receive status indications from all devices;
- control over devices that are provided through interfaces;
- door control outputs for secure doors that route as inputs through PLC allowing control centers to monitor and control access;
- video switching through an ECSN;
- miscellaneous devices configured as inputs to the ECSN that display status on touch screens;
- data wiring that is Category 5c;
- controller wiring sized to provide rated voltage at the operating system; and,
- coordination of services of consultants specific to the project design to complete a fully functional and integrated design.

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The Moseley team worked closely with our County officials, County Commissioners, the Sheriff, Detention staff, and Jail Planning Committee to create a new facility that is staff efficient, safe, operations and maintenance-friendly, and extremely cost effective. They listened carefully to our needs and concerns, and provided us a facility that will serve the County for many years to come.

—Paul Gibson, Guilford County Commissioner



QUALIFICATIONS AND EXPERIENCE

c. Provide the names, addresses, and telephone numbers of persons within the firm or consortium of firms who may be contacted for further information.

Key Principal

Jimmy Rush Jr.
Vice President
R&S Corporation
PO Box 80298
Baton Rouge, LA 70898
Tel: (225) 749-8001
Fax: (225) 749-8085
Email: jimmy@randscorp.com
Website: www.randscorp.com

Key Principal

Bill Porter, PE, DBIA
Senior Corrections Engineer
Moseley Architects
780 Lynnhaven Parkway, Suite 200
Virginia Beach, VA 23452
Tel: (757) 368-2800
Fax: (757) 368-2233
Email: bporter@moseleyarchitects.com
Website: www.moseleyarchitects.com

QUALIFICATIONS AND EXPERIENCE

d. Provide a current or most recently audited financial statement of the firm or firms and each partner with an equity interest of twenty percent or greater.

It is not anticipated that any team members will have equity interest in the proposed project. Therefore, no financial statements are provided at this time.

e. Identify the officers and directors of the firm or firms submitting the proposal.

R&S Corporation

R&S Corporation is owned by Carol Rush, President and is led by Jimmy Rush Jr., Vice President

f. Identify all businesses that have a parent-subsiary or affiliated business entity relationship with the firm or firms submitting the proposal.

The State and Local Government Conflict of Interests Act, at Virginia Code § 2.2-3101, defines “parent-subsiary relationship” as “a relationship that exists when one corporation directly or indirectly owns shares possessing more than 50 percent of the voting power of another corporation.” In the same Code section, the Act defines “affiliated business entity relationship” as “a relationship, other than parent-subsiary relationship, that exists when (i) one business entity has a controlling ownership interest in the other business entity, (ii) a controlling owner in one entity is also a controlling owner in the other entity, or (iii) there is shared management or control between the business entities. Factors that should be considered in determining the existence of an affiliated business entity relationship include that the same person or substantially the same person own or manage the two entities; there are common or commingled funds or assets; the business entities share the use of the same offices or employees or otherwise share activities, resources or personnel on a regular basis; or there is otherwise a close working relationship between the entities.”

R&S does not have any parent-subsiary companies.

QUALIFICATIONS AND EXPERIENCE

g. Identify all known contractors or service providers, including but not limited to the providers of architectural services, real estate services, financial services, and legal services.

Security systems architecture and engineering Services, PREA review, construction administration, liaison with code officials

Moseley Architects

780 Lynnhaven Parkway, Suite 200

Virginia Beach, VA 23452

Tel: (757) 368-2800

Fax: (757) 368-2233

Contact: Bill Porter, PE, DBIA

Email: bporter@moseleyarchitects.com

Website: www.moseleyarchitects.com

Moseley Architects is a pleasure to work with, not only because of their professionalism and experience but because of their depth of knowledge of the corrections field and their concern for our particular needs. They are well versed in the equipment and technology available in the correctional field. And together they have designed a security system that is both efficient and cost effective.

—Deborah Hand,
Administrative Manager,
Hampton Roads
Regional Jail

Section 2

a. Provide a description of the project, including the conceptual design. Describe the proposed project in sufficient detail so that type, quality, value and intent of the project, the location, preliminary value of the land necessary to be acquired, and the communities that may be affected are clearly identified.

R&S completed a comprehensive study of the existing ESITech security control system, which includes the touchscreen control system housing the door control system, intercom system, card access system, utility controls, and CCTV system. We also reviewed the security equipment rooms, control room design and layouts, and security system cabling and backbone.

Our conclusion is the security control system is antiquated for today's standards for the facility to operate at peak levels. Improvements should include a new state-of-the-art security control system. The three major security components include:

Camera System

R&S reviewed the existing camera system with facility personnel to establish a baseline of needed improvements. Concerns included camera coverage, camera quality, and storage capacity. We propose migrating the existing analog systems to a fully-integrated IP camera system. Additional coverage will be determined by the needs of the facility as well as incorporating current ACA and PRFA standards. We will propose state-of-the-art IP cameras to meet current industry standards, incorporating sufficient storage capacity to record continuously for 90 days.

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Integrated Control System

R&S reviewed the existing security control system with facility personnel to establish a baseline of needed improvements. We propose to provide a fully-integrated control system capable of controlling existing doors, intercoms, and utilities. The control system will fully integrate the new IP camera system to include intercom call up of cameras to the operator console. The system will be a touch screen-based with mouse backup. Monitors will be of sufficient size and resolution to fit in the available space, and will provide the operator full graphic control of the controlled area. The control system will be programmed to meet the operational needs of the facility. The system will have sufficient PLC and I/O capacity to permit future expansion.

Control Room Layouts

R&S reviewed the existing central control room layout with the facility personnel. We will incorporate a comprehensive plan to remodel the existing control room to provide the security staff with the tools to effectively operate the day-to-day activity of the facility. Design will provide functionality and staff comfort, while maintaining security for the population and security personnel.

For more detail please refer to our proprietary and confidential information provided in our Volume II proposal.

b. Identify and fully describe any work to be performed by the City or any other public entity.

The City of Virginia Beach (City) and Virginia Beach Sheriff's Office (VBSO) will provide traditional project administration of the owner including, but not limited to, design, submittal, and pay request review and approval, as well as decisions during the design and construction process. It not anticipated that the City or the VBSO would perform any of the work.

c. Include a list of all federal, state and local permits and approvals required for the project and a schedule for obtaining such permits and approvals.

- Planning study approval from Virginia Department of Corrections and Virginia Board of Corrections
- Building permits from City will be obtained prior to construction

d. Identify any anticipated adverse social, economic and environmental impacts of the project. Specify the strategies or actions to mitigate known impacts of the project.

The Virginia Beach Jail is an established facility with a long-standing community acceptance. The proposed master control and security system upgrade/renovation will serve to enhance security and improve efficiency throughout the facility. There are no anticipated adverse social, economic, or environmental impacts of the project.

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e. Identify the projected positive social, economic, and environmental impacts of the project.

The proposed security system and control room operations upgrades and renovations will provide a positive impact both socially and economically. Staff and inmate safety will be enhanced through real time access and flow of information, which will serve as a deterrent and management tool for inmate movement, investigations, and monitoring. Control room upgrades and renovations will also provide a positive and health-conscious environment through ergonomics and improved operation. The upgrades and renovations are not anticipated to pose any environmental impacts.

f. Identify the proposed schedule for the work on the project, including the estimated time for completion.

Please refer to our proprietary information in Volume II.

g. Propose allocation of risk and liability for work completed beyond the agreement's completion date, and assurances for timely completion of the project.

A key benefit of a PPEA relationship is the equitable allocation of risks involved. As referenced in the table below, the contractor/engineering team are more suited to accept certain risks, while other risks suitably fall to the owner. By allocating these risks appropriately, the contractor/engineering team ("contractor") can provide an appropriate price to the owner.

Risk	Description	Allocation	Comments
Financial	Financing	Owner	Pending project funding
Permits	City	Owner and design/build contractor	Final approval is dependent upon City review and its requirements being satisfied
Design assumptions	Listed in contract		Developed as part of the planning study
Design	Final design		Consistent with the comprehensive agreement and the planning study
Material cost	Commodity price		
Price	Guarantee	Design/build contractor	Contractor provided bond
Safety	During construction	Design/build contractor	
Third party construction inspection		Owner	
Special inspection		Owner	
Construction quality	QA/QC	Design/build contractor	
Security	Site security	Owner	
Safety	Guarantee	Design/build contractor	

PROJECT CHARACTERISTICS

h. State assumptions related to ownership, legal liability, law enforcement and operation of the project and the existence of any restrictions on the public entity's use of the project.

Not applicable. The project is an upgrade of the existing jail, which is owned and operated by the City and VBSO. No change is anticipated in the ownership, legal liability, law enforcement, and operations of the facility.

i. Provide information relative to phased or partial openings of the proposed project prior to completion of the entire work.

R&S Corporation has developed a phasing plan to keep the Virginia Beach Jail operational 24 hours per day without interruption. Please see Volume II, Section 2 for our proprietary approach to the work and schedule.

j. Describe any architectural, building, engineering, or other applicable standards that the proposed project will meet. Define applicable quality standards to be adhered to for achieving the desired product outcome(s).

Commonwealth of Virginia Board of Corrections' "Standards for Planning, Design, Construction and Reimbursement of Local Correctional Facilities," dated July 1, 1994.

Section 3

Section 4

a. Provide a preliminary estimate and estimating methodology of the cost of the work by phase, segment, or both.

Please refer to our proprietary information in Volume II, Section 3, Preliminary Estimate.

b. Submit a plan for the development, financing and operation of the project showing the anticipated schedule on which funds will be required. Describe the anticipated costs of and proposed sources and uses for such funds.

Not Applicable.

c. Include a list and discussion of assumptions underlying all major elements of the plan.

Not Applicable.

d. Identify all anticipated risk factors and methods for dealing with these factors.

Not Applicable.

e. Identify any local, state or federal resources that the private entity contemplates requesting for the project. Describe the total commitment, if any, expected from governmental sources (and identify each such source) and the timing of any anticipated commitment.

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Not Applicable.

f. Identify any third parties that the private entity contemplates will provide financing for the project and describe the nature and timing of each such commitment.

Not Applicable.

PROJECT BENEFIT AND COMPATIBILITY

a. Describe the anticipated benefits to the community, region or state, including anticipated benefits to the economic condition of the City, and identify who will benefit from the project and how they will benefit.

Upgrading the master control center as an office-wide communications center will provide an efficient way to provide safety and security of the Virginia Beach Sheriff's Office's (VBSO) staff, contract workers, volunteers, and inmates. The City of Virginia Beach (City) will benefit from the upgrades through the enhancement of local infrastructure and existing essential governmental services. The upgrades will provide a more modern and efficient correctional design and operation with an easily maintained and upgradable system that is compliant with industry standards and life safety codes.

b. Identify any anticipated public support or opposition, as well as any anticipated government support or opposition, for the project.

The project has no opposition. The upgrade/renovation is supported by the public and City as evidenced by the approval of the City's capital improvement project #3523000 for fiscal years 2017-2022, titled Correctional Center Master Control Center Upgrade.

c. Explain the strategy and plans that will be carried out to involve and inform the general public, business community, and governmental agencies in areas affected by the project.

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Our team does not anticipate an outreach program. If questions or concerns from the locale and business communities arise, we will support the City and VBSO. We do anticipate direct contact with City departments for any required permits.

d. Explain whether and, if so, how the project is critical to attracting or maintaining competitive industries and businesses to the City or the surrounding region.

The proposed upgrade/renovation will create a master control center as a communication hub for all divisions of the VBSO. The new communications center will service all divisions in the VBSO to better facilitate emergency response and situations. These are essential services for attracting or maintaining competitive industries and businesses to the City.

e. Explain whether and, if so, how the project is compatible with the City's comprehensive plan, infrastructure development plans, capital improvements budget, or other government spending plan.

This project is compatible with the City's comprehensive plan and budget as evidenced by the City's fiscal years 2017-2022 capital improvement program, project #3523000, titled Correctional Center Master Control Center Upgrade, with approved status. This project first appeared as funded in the fiscal year 2014-2015 capital improvement plan.

f. Explain how quality standards will be satisfied in comparison with the qualities anticipated or proposed by the City of Virginia Beach for the project.

R&S Corporation's maintains an internal quality control program prior to the installation of the security electronics control system.

- **Manufacturer Testing:**
 - Prior to delivery of security electronic control systems, the system components are tested and software is installed at the manufacturer's facility.
- **R&S Corporation Pre Installation Testing**
 - During pre-installation testing, system components from the manufacturer are shipped to R&S Corporation's facility in Baton Rouge. R&S technicians mount and connect all system components and test the entire system. This minimizes issues during and after installation at the facility.

Moseley Architects' internal quality control program begins with the firm's commitment to provide high quality drawings and specifications, as they may affect the ability of contractors to predict project cost accurately, and accordingly submit more competitive bids. The firm's quality control plan introduces common formats to be used by our project team as they progress through the various design and construction phases. These procedures may be modified as necessary to facilitate the management of your project. Examples of our quality control procedures are summarized below.

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For the past four years, I have spent much time in Moseley Architects' modern office in Richmond as we develop new standards for jail construction in Virginia. I have been impressed with their skill and knowledge in planning and designing justice facilities. [They] know their stuff and they have been a pleasure to work with.

—Steve Draper,
Sheriff of Martinsville
and Chairman of the
Virginia Jail Standards
Committee

- **Milestone Submission Reviews** — All correctional projects are reviewed by Eliot Garber, AIA, two weeks prior to submission milestones including schematic design, preliminary design, and working drawings submissions. During his review, Eliot reviews life safety issues to see that they have been addressed in accordance with the Virginia Uniform Statewide Building code (VUSBC) and the International Building Code (IBC) and the Americans with Disabilities Act (ADA) Architectural Guidelines and Accessibility Requirements.
- **Interdisciplinary document review and coordination** — Prior to the issuance of documents, Moseley Architects will conduct thorough reviews of its in-house documentation as well as the work of its consultants at every phase of the project. Through its' extensive experience with highly-technical buildings for institutional clients, the firm has learned the importance of thorough and highly coordinated documentation.
- **In-House Engineering** — While we anticipate minimal participation by mechanical, electrical, fire protection, and structural engineers on this project, Moseley Architects' in-house engineering staff is available to any address engineering challenges. The firm's engineers and architects sit side-by-side every day, working together more closely than would be possible with separate sub-consultants for these disciplines. This close collaboration, in combination with unified management of all building design disciplines, promotes better coordinated, higher quality design results.

- **Redi-Check Review** — First developed in 1981, Redi-Check is the only coordination review system recognized by both the American Institute of Architects and the American Consulting Engineers Council. The purpose of this additional review is to reduce or eliminate inconsistencies among the various disciplines that could lead to change orders. To provide a fresh perspective, the review will be performed by a senior staff member of Moseley Architects' staff who has not been directly involved in production of the documents.
- **Operations and Procedures Manual** — Moseley Architects has created detailed guidelines for the tasks necessary to execute projects successfully. These guidelines are documented in Moseley Architects' online Operations and Procedures Manual, accessible to all of the firm's staff via its intranet site.
- **Building Information Modeling** — Moseley Architects utilizes Autodesk Revit building information modeling (BIM) software at all stages of design. It allows users to design a building and its components in 3D, annotate the model with 2D drafting elements, and access building information from the building models database. The software features "clash detection," a powerful tool that helps to identify and avoid potential problems before construction starts.
- **Online BIM Manual** — Like the Operations and Procedures Manual, this reference document developed by Moseley Architects' staff provides extensive, detailed guidelines for use of Moseley Architects' building information modeling (BIM) software, so that project designs can be prepared consistently and effectively.
- **Customized Construction Administration Software** — Moseley Architects utilizes Meridian Prolog software, which is the leading construction project management solution for contractors and other A/E firms, providing a complete system of record for managing project information, from the field to the back office. Designed by construction professionals for construction professionals, Prolog is built for project managers accountable for construction costs, scope and schedules, and for project teams responsible for the successful delivery of projects.

These quality standards provide an integrated approach which creates facilities that are staff efficient, safe, operations and maintenance-friendly, and economical.

PROJECT BENEFIT AND COMPATIBILITY

g. Provide a statement setting forth participation efforts that are intended to be undertaken in connection with this project with regard to the following types of businesses:

- (i) minority-owned businesses
 - To be determined
- (ii) woman-owned businesses; and
 - To be determined
- (iii) small businesses
 - Moseley Architects is a DMBE certified small business (SWaM #647781)