

1. Cover Page

HDR ARCHITECTURE, P.C.



Project Title: Study, Planning, Design & Construction for Correctional Facilities

Awarding Agency: Milford Executive Office of Public Safety and Security (EOPSS)

DSB List # **22-07**

DSB Project # **DSBP-16**

Project Location: **Statewide**

User Agency Name: **Division of Capital Asset Management & Maintenance (DCAMM)**

Prime Firm Information

Main Office Address

**99 High Street, Suite 2300
Boston
Massachusetts**

MA Licensed Architects: **14**

MA Licensed Engineers: **2**

Principal-in-Charge

Chad Reilly

Project Manager(s)

Study: **Harold Levkowicz**

Design: **Alan Fried**

Secondary Office Address

**99 High Street, Suite 2300
Boston
Massachusetts**

Total employees: **160**

MA based employees: **25**

Project Activity

Prime DBE Status

of Total Active Projects: 8
Total ECC of Active Projects: \$144,046,000.00

of Total Active MA State Projects: 7
Total ECC of Active MA State Projects:
\$143,858,000.00

Minority Owned Business (MBE) ☐
Woman Owned Business (WBE) ☐
Veteran Owned Business (VBE) ☐
Service Disabled Veteran Owned (SDVOBE) ☐
Disadvantaged Business Enterprise (DBE) ☐

Disability Owned Business Enterprise (DOBE) ☐
LGBT Business Enterprise (LGBTBE) ☐
Portuguese Business Enterprise (PBE) ☐
Small Business Purchasing Program (SBPP) ☐

Team Composition	Team Contact	Firm Name	DBE Status	Registration
Architect	Chad Reilly	HDR ARCHITECTURE, P.C.	N/A	20678
Mechanical Engineer (M/P/FP)	Susan Wisler, PE, LEED AP, MCPPO	ARCHITECTURAL ENGINEERS, INC.	N/A	46614
Electrical Engineer	Nick Ferzacca, PE, LEED AP	ARCHITECTURAL ENGINEERS, INC.	N/A	43208
Structural Engineer	Balram Chamaria	B+AC, LLC	MBE	52338

Civil Engineer	William R. Maher, PE, LSIT	NITSCH ENGINEERING, INC.	WBE	41669
Landscape Architect	Shauna Gillies-Smith	GROUND INC	WBE	1556
Specifications Consultant	Nancy Brandenburg	HDR ARCHITECTURE, P.C.	N/A	N/A
Cost Estimator	Clive Tysoe	ELLANA, INC.	WBE	N/A
MA Building Code Consultant	Eric Cote/Todd Pearson	JENSEN HUGHES, INC.	N/A	37964
Hazardous Materials Consultant	Kathleen Campbell, PE, LSP, LEED AP, ENV SP	CDW CONSULTANTS, INC.	WBE	39420
Corrections Security Consultant	David Deason / Jim Gabel	HDR ARCHITECTURE, P.C.	N/A	N/A

2. Evaluations & References

Public Agency Evaluations	Evaluator Comments
<p>Overall score: 3.9/4</p> <p>Prepared By: Title: DOC MCI Framingham 4 Cottages Window Replacement S Agency:</p> <p>Consultant Project Completion Date: 2017-03-09T00:00:00</p>	<p>HDR has been wonderful to deal with during the design phase of this project.</p>
<p>Overall score: 3.6/4</p> <p>Prepared By: Title: DOC MCI Framingham 4 Cottages Window Replacement S Agency:</p> <p>Consultant Project Completion Date: 2018-04-09T00:00:00</p>	<p>HDR did an outstanding job at this secure facility. They understood the design and facility limitations, communicated well and is ensuring the successful close out of the project.</p>
<p>Overall score: 3.95/4</p> <p>Prepared By: Title: MIL Hudson Armory Roof Replacement Agency:</p> <p>Consultant Project Completion Date: 2018-05-10T00:00:00</p>	<p>Harold Levkowicz and Tim Ervin were an excellent team from HDR. I never had to prompt them to give me updates or keep me informed as to what was going on. They required little to no oversight and I felt very comfortable that the project was well supervised. I hope to work with HDR again in the near future.</p>
<p>Overall score: 3.9/4</p> <p>Prepared By: Amy Winter Title: Study, Planning, Design & Construction of Courthouses Agency: Trial Court</p> <p>Consultant Project Completion Date:</p>	<p>HDR's study of the Cambridge Third Street Courthouse was exhaustive and thorough. They were quick thinkers in team meetings, proposing alternative solutions for the user agency and DCAMM to consider. Any issues or misunderstandings were addressed by the architect and its consultants quickly and professionally. The project managers, Alan Fried and Harold Levkowicz, showed great interest and genuine care for the project. Although the final scope is over budget, the team worked diligently to ensure that added costs were only those deemed absolutely necessary. Overall, the design team's study performance was excellent and we look forward to continuing to work with them through design and construction.</p>
Client References	Comments

Overall score: **3.7/4**

Prepared By: **Joseph McGowan**
Title: **ISB Replacement and Vocational Building Code Compliance Project**
Agency: **Essex County Sheriff's Department**

Consultant Project Completion Date:

March 15, 2022
Designer Selection
Commonwealth of Massachusetts
I am writing to provide a reference for HDR Architects, Inc relating to our three years of experience working with them on projects at the Essex County Sheriff's Department. HDR was chosen by the DSB to be the designer for a project replacing the Inmate Service Building at the Middleton Jail and House of Correction. The project was projected to be \$45 million. The scope of the work involved the replacement of a building that houses critical functions such as the infirmary and food services. The Middleton site is very tight, and the process involves critical thinking, strategizing and clear communication. DCAMM is the manager of the process. I am writing from the perspective of the user agency. During this process we found HDR to have substantial depth in their team and excellence communication and cooperation in developing options during the study phase. HDR engaged very experienced subject matter experts in the areas of corrections construction and planning as well as health care construction. We found HDR to be responsive to our agency needs and open to input and innovation. Soon after HDR was engaged to undertake the Inmate Service Building Replacement, the State Building Inspector began a code compliance action on the Vocational Building on the Middleton site. This building was not originally built to be housing. AS a result of overcrowding since 1997, housing units were introduced. HDR was engaged to trouble shot the issues raised by the AHJ and develop a plan with the user agency and DCAMM to address the issues. The matter is currently before the BBRs. HDR's approach working with our agency and DCAMM was very deliberate and well thought out. HDR and their consultants have developed a comprehensive plan to solve the problems raised by the AHJ and in the process developed a clear line of communication and action in concert with the Inspectors. This is another example of the depth of HDR's resources and the team approach that they undertake during their work to leverage their expertise with the user agency to solve problems. During my two decades at the Essex County Sheriff's Department, we have had many architects and engineers and a variety of large and small projects. I have found HDR to be one of the best firms we have worked with on capital projects. AT every level from the junior associates to senior management we have always had our concerns and questions thoughtfully addressed and explained. For theses reasons we would recommend HDR as a House Doctor or Project Designer, especially in the corrections space. Sincerely, Joseph F. McGowan, Esquire
Superintendent
Legal & Legislative Affairs
Essex County Sheriff's Department
(978)821-0488 cell

Overall score: **4/4**

Prepared By: **Elizabeth Minnis**
Title: **SDE1902 - SDE - Middleton Jail and HOC - Medical & Kitchen Bldg/ISB Replacement**
Agency: **commonwealth of MA**

Consultant Project Completion Date:

This is a complex, challenging project at a crowded, outdated facility at the end of its useful life. HDR as helped lead the team through a process of future visioning and long term planning to identify priorities and opportunities to address the most urgent needs. They have a competent team with deep expertise and a commitment to forward-thinking, treatment oriented correctional design. Because their project is still in study, there is no formal designer evaluation in the system yet - their performance on the study effort so far has been exemplary.

Overall score: **4/4**

Prepared By: **John Keleher**
Title: **Various, including CME0902 DC1, New Westfield Chief Medical Examiner Facility**
Agency: **Division of Capital Asset Management**

Consultant Project Completion Date:

I simply cannot overstate the quality of HDR's performance for the Small Projects Team. I only wish I had more fee to give them. Timely submission of documents, critical thought and decision making applied to each project, calm under pressure, quality design, reasonable fee. This is what it feels like to work with the best in the industry.

Overall score: 4/4

Prepared By: **elayne campos**
Title: **Middleton Jail and HOC Medical and Kitchen/ISB Replacement**
Agency: **DCAMM**

Consultant Project Completion Date:

I continue to be impressed with the quality of work, coordination efforts and flexibility that HDR displays with DCAMM and the user agency. This is a very complex project with a lot of moving parts, continually changing parameters, a limited budget and limited footprint. HDR has thoughtfully approached the master plan keeping in mind cost effective solutions to meet the goals of the agency's mission and program needs. Their leadership and communication skills, with Chad Reilly at the helm, instill confidence in decision making and create a collaborative atmosphere amongst all stakeholders. I feel that HDR has the ability to apply these skills to most any project they chose to undertake and will succeed.

Overall score: 4/4

Prepared By: **Jack Keleher**
Title: **BHE2001 Higher Ed Deferred Maintenance Round 2, CME0902DC1 New Chief Medical Examiner, Westfield**
Agency: **DCAMM**

Consultant Project Completion Date:

They never fail to deliver for DCAMM. Timely, accurate, and honest service to the Commonwealth. Predictably tight drawings, very detail-oriented in construction administration, and a true advocate and partner for DCAMM in every sense. Professional service, timely communication, and excellence in design work. They along with 1-2 other design partners ensured the startup success of the Small Projects Team at DCAMM. Cannot thank them enough. Strongly recommended.

3. Resumes

HDR Architecture, P.C. (HDR)

Architect



Chad Reilly

AIA, NCARB

Vice President, Managing Principal

Project Role: **Principal-in-Charge**

MA Registration Type & #:
Architect, #20678

Years w/ Firm: **6**

Total Years Experience: **27**

Additional Registrations/Certifications:

2021 / Architect / CT #ARI.0015133
2021 / Architect / VT #003.0134374
2019 / Architect / RI # ARC.0005148
2019 / Architect / NH #04688
2018 / Architect / ME #ACR4494
2009 / AIA / #30178694
2009 / BSA / #30178694
2009 / NCARB / #68256

Availability: **15%**

Applicant Office Address:

HDR Architecture, P.C.
99 High Street, Suite 2300
Boston, MA 02110



Commonwealth of Massachusetts
DSB Application Form

CURRENT WORK ASSIGNMENTS

(See Section 5 Matrix, linking projects to selection criteria.)

DCAMM, Critical Public Higher Education Infrastructure Improvements, Round 2 - Fitchburg State University, Northern Essex Community College, Quinsigamond Community College and Worcester State University; Principal-in-Charge

DCAMM, Hampden County House of Corrections, HVAC System Deficiency Study, Ludlow, MA; Principal-in-Charge (Section 4, page 20)

DCAMM, Office of the Chief Medical Examiner - Program and Facility Renewal Study of the Massachusetts Medical Examiners Operations Facility, Boston, MA; Principal-in-Charge

DCAMM, Replacement of Inmate Services Building, Essex Sheriff - Middleton Jail and House of Corrections, Middleton, MA; Principal-in-Charge (Section 4, page 19)

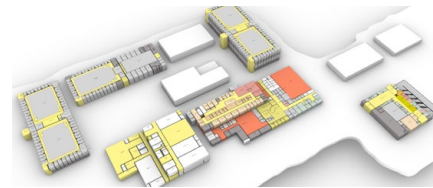
DCAMM, Massachusetts Department of Corrections, Study and Design of a Correctional Center for Women, Multiple Sites, MA; Principal-in-Charge

DCAMM, TRC, Cambridge Courthouse, Third Street, Envelope Repairs, Cambridge, MA; Principal-in-Charge (Section 4, page 22)

DCAMM, Lindemann Building, Bathroom Alterations, Phase II, Boston, MA; Principal-in-Charge

MassDevelopment, Fish Pier Roof Study - Jodrey State Fish Pier, Gloucester, MA; Principal-in-Charge

MassDevelopment, Jodrey State Fish Pier - Unit A Floor Drains Replacement, Gloucester, MA; Principal-in-Charge



DCAMM, Replacement of Inmate Services Building, Essex Sheriff, Middleton Jail and House of Corrections

OTHER EXPERIENCE & QUALIFICATIONS RELEVANT TO PROPOSED PROJECT

DCAMM, Critical Public Higher Education Infrastructure Improvements, Round 2 - Fitchburg State University, Northern Essex Community College, Quinsigamond Community College and Worcester State University; Principal-in-Charge

DCAMM, Office of the Chief Medical Examiner, Central and Western Massachusetts Medical Examiners Operations Facility, Westfield, MA; Principal-in-Charge

DCAMM, Office of the Chief Medical Examiner - Program and Facility Renewal Study of the Massachusetts Medical Examiners Operations Facility, Boston, MA; Principal-in-Charge

DCAMM, Middleton Jail and House of Corrections - Replacement of Inmate Services Building, Middleton, MA; Principal-in-Charge (Section 4, page 19)

DCAMM, Lindemann Building - Bathroom Alterations, Phase I, Boston, MA; Principal-in-Charge

DCAMM, Hampden County House of Corrections - HVAC System Deficiency Study, Ludlow, MA; Principal-in-Charge (Section 4, page 20)

DCAMM, Massachusetts State Police Training Academy Firearms Range - Roof Replacement, New Braintree, MA; Principal-in-Charge

DCAMM, Hudson Armory - Roof Replacement, Hudson, MA; Principal-in-Charge

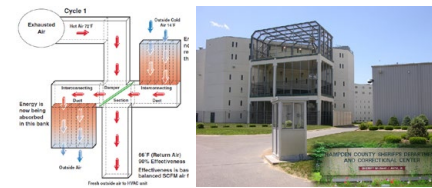
DCAMM, MCI Framingham, 4 Cottages, Exterior Window Replacement, Framingham, MA; Principal-in-Charge (Section 4, page 21)

DCAMM, Soldiers' Home in Chelsea - Renovations Under (2) House Doctor Accounts, Chelsea, MA; Principal-in-Charge

Springfield Redevelopment Authority, Union Station Regional Inter-Modal Transportation Center, 125,000 SF renovation, Springfield, MA; Construction Document and QA/QC Development; Principal-in-Charge

U.S. Department of Veterans Affairs - Brockton Healthcare Center Patient Privacy Renovations, Building 4, Brockton, MA; Principal-in-Charge

DCAMM, Fitchburg State University, The Antonucci Science Complex, wet and dry labs, research and teaching spaces, 105,000 GSF new facility, Fitchburg, MA; Principal-in-Charge. Completed while at CBT.



DCAMM, Hampden County House of Corrections, HVAC System Deficiency Study



DCAMM, MCI Framingham, 4 Cottages, Exterior Window Replacement

HDR Architecture, P.C.



Harold Levkowitz

AIA, LEED AP

Senior Project Manager

Project Role: **Project Manager**

MA Registration Type & #:
Architect, #6894

Years w/ Firm: **36**

Total Years Experience: **43**

Additional Registrations/Certifications:

1984 / Architect / LA #3418

1986 / AIA #30062970

1986 / BSA #30062970

1986 / NCARB #44942

2009 / LEED AP

Availability: **40%**

Applicant Office Address:

**HDR Architecture, P.C.
99 High Street, Suite 2300
Boston, MA 02110**

CURRENT WORK ASSIGNMENTS

(See Section 5 Matrix, linking projects to selection criteria.)

DCAMM, Middleton Jail and House of Corrections - Replacement of Inmate Services Building, Middleton, MA; Project Manager (Section 4, page 19)

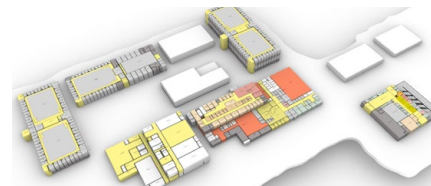
DCAMM, Hampden County House of Corrections - HVAC System Deficiency Study, Ludlow, MA; Project Manager (Section 4, page 20)

DCAMM, Middleton Jail and House of Corrections - Vocation Building Code Compliance Study, Middleton, MA; Project Manager (Section 4, page 18)

DCAMM, Massachusetts Department of Corrections, Study and Design of a Correctional Center for Women, Multiple Sites, MA; Project Manager

DCAMM, TRC - Cambridge Courthouse, Third Street, Certifiable Building Study, Chapter 34 Code Review, and Envelope Repairs, Cambridge, MA; Project Manager (Section 4, page 22)

DCAMM, Lindemann Building - Bathroom Alterations, Phase II, Boston, MA; Project Manager



DCAMM, Replacement of Inmate Services Building, Essex Sheriff, Middleton Jail and House of Corrections

OTHER EXPERIENCE & QUALIFICATIONS RELEVANT TO PROPOSED PROJECT

DCAMM, Office of the Chief Medical Examiner, Central and Western Massachusetts Medical Examiners Operations Facility, Westfield, MA; Project Manager in construction services

DCAMM, Replacement of Inmate Services Building, Essex Sheriff - Middleton Jail and House of Corrections, Middleton, MA; Project Manager (Section 4, page 19)

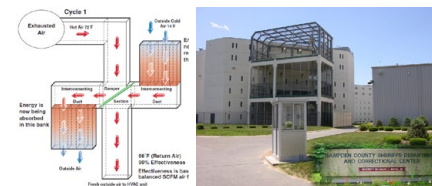
DCAMM, TRC - Cambridge Courthouse, Third Street, Certifiable Building Study, Chapter 34 Code Review, and Envelope Repairs, Cambridge, MA; Project Manager (Section 4, page 22)

DCAMM, Lindemann Building - Bathroom Alterations, Phase I, Boston, MA; Project Manager
(See Section 4, page 19)

DCAMM, Hampden County House of Corrections - HVAC System Deficiency Study, Ludlow, MA; Project Manager (Section 4, page 20)

DCAMM, Massachusetts State Police Training Academy Firearms Range - Roof Replacement, New Braintree, MA; Project Manager

MassDevelopment, Jodrey State Fish Pier - Unit A Floor Drains Replacement, Gloucester, MA; Project Manager



DCAMM, Hampden County House of Corrections, HVAC System Deficiency Study

MassDevelopment, Fish Pier Roof Study - Jodrey State Fish Pier, Gloucester, MA; Project Manager

DCAMM, Hudson Armory - Roof Replacement, Hudson, MA; Project Manager

DCAMM, MCI Framingham, 4 Cottages, Exterior Window Replacement, Framingham, MA; Project Manager (Section 4, page 21)

DCAMM, Soldiers' Home in Chelsea - Renovations Under (2) House Doctor Account, Chelsea, MA; Project Manager

U.S. Department of Veterans Affairs - Brockton Healthcare Center Patient Privacy Renovations, Building 4, Brockton, MA; Project Architect

U.S. Department of Veterans Affairs - Phased renovation of laboratory building on the Jamaica Plain Medical Center campus, 67,500 GSF renovation; Boston, MA; Project Manager

Springfield Redevelopment Authority, Union Station Regional Inter-Modal Transportation Center, 125,000 SF renovation, Springfield, MA; Construction Document and QA/QC Development, Project Architect



DCAMM, MCI Framingham, 4 Cottages, Exterior Window Replacement





Alan Fried

RA

Project Manager / Senior Project Architect

Project Role: **Project Manager for Design**

MA Registration Type & #:
Architect, #50795

Years w/ Firm: **4**

Total Years Experience: **30**

Additional Registrations/Certifications:
N/A

Availability: **40%**

Applicant Office Address:
**HDR Architecture, P.C.
99 High Street, Suite 2300
Boston, MA 02110**

CURRENT WORK ASSIGNMENTS

(See Section 5 Matrix, linking projects to selection criteria.)

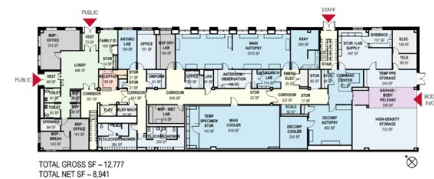
DCAMM, Hampden County House of Corrections - HVAC System Deficiency Study, Ludlow, MA; Project Architect (Section 4, page 20)

DCAMM, Office of the Chief Medical Examiner - Program and Facility Renewal Study of the Massachusetts Medical Examiners Operations Facility, Boston, MA; Project Architect

DCAMM, TRC - Cambridge Courthouse, Third Street, Certifiable Building Study, Chapter 34 Code Review, and Envelope Repairs, Cambridge, MA; Project Architect (Section 4, page 22)

DCAMM, Lindemann Building, Bathroom Alterations, Phase II, Boston, MA; Project Architect

Related Beal, Innovation Square Phase II, Commercial Core and Shell Research Facility, Boston, MA; Project Manager



DCAMM, Office of the Chief Medical Examiner - Program and Facility Renewal Study of the Massachusetts Medical Examiners Operations Facility

OTHER EXPERIENCE & QUALIFICATIONS RELEVANT TO PROPOSED PROJECT

DCAMM, Office of the Chief Medical Examiner - Program and Facility Renewal Study of the Massachusetts Medical Examiners Operations Facility, Boston, MA; Project Architect

DCAMM, TRC - Cambridge Courthouse, Third Street, Certifiable Building Study, Chapter 34 Code Review, and Envelope Repairs, Cambridge, MA; Project Architect (Section 4, page 22)

DCAMM, Lindemann Building - Bathroom Alterations, Phase I, Boston, MA; Project Architect

Innovation Square (iSQ) Seaport, 6 Tide Street, Phase I, Boston, MA; Project Architect

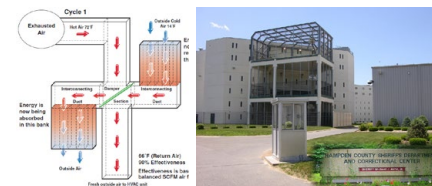
Innovation Square (iSQ) Seaport, 6 Tide Street, Phase II, Boston, MA; Project Architect

DCAMM, University of Massachusetts, School of Marine Science Renovation, Wet and dry labs, research spaces. 40,000 GSF rehab and renovation, Dartmouth MA; Project Architect (Tsoi Kobus)

University of Massachusetts Medical School, MassBiologics II, Wet and dry labs, research spaces with amenities, 60,000 GSF new facility, Boston MA; Project Architect (Tsoi Kobus)

University of Massachusetts Medical School, Lazare Research Building, Wet and dry labs, research spaces, vivarium and amenities, 340,000 GSF new facility, Worcester, MA; Project Architect (Tsoi Kobus)

University of Rhode Island, South Street Landing Renovation, Nursing school with simulation labs, administrative offices, research spaces and amenities, 380,000 GSF rehab and fit out, Providence, RI; Project Architect (Tsoi Kobus)



DCAMM, Hampden County House of Corrections, HVAC System Deficiency Study



DCAMM, TRC - Cambridge Courthouse, Third Street, Envelope Repairs





Susan Wisler

PE, LEED AP, MCPPO

Mechanical Engineer

Project Role: **Mechanical Engineer**

MA Registration Type & #:
Mechanical Engineering #46614

Years w/ Firm: **16**

Total Years Experience: **30**

Additional Registrations/Certifications:

PE: RI, CT, NH, LA, SC

LEED AP

MCPPO

Availability: **20%**

Applicant Office Address:

Architectural Engineers, now IMEG

63 Franklin Street

Boston, MA 02110

EXPERIENCE & QUALIFICATIONS RELEVANT TO PROPOSED PROJECT

DCAMM, Middleton Jail and House of Corrections, Inmate Services Building (ISB) and Vocational Building Replacement Study, Middleton, Mass. PIC/PM/Chief mechanical engineer; MEP/FP study; existing conditions; life cycle cost analysis; code deficiency investigation; sustainability; multiple scenarios considered; User group study workshop; program/space analysis; prioritized recommendations; \$74M ECC.

DCAMM, Hampden County Correctional Facility HVAC Upgrades, Ludlow, Mass. Chief mechanical engineer; MEP; study/design/CA; DCAMM certified Study, emergency response task; existing conditions and existing reports review; met with state inspector to discuss approach and outcome; phased construction; BIM/Revit; c149; 401,500 SF; \$8M ECC.

DCAMM, DOC Hampden County Women's Correctional Facility; Project manager and chief mechanical engineer; MEP/FP; design and CA; expansion to intake facility, sally port, and administration facility; addition of new 64-cell housing unit; upgraded smoke control; ASHRAE compliant; new HVAC systems; natural gas; anti-ligature fixtures; high-efficiency; reduced water use; BIM/Revit; LEED Silver; c149a; 90,000 SF; \$25M.

DCAMM, Essex Jail & HOC 80-Bed Housing Unit Façade Replacement, Middleton, Mass. Project manager and chief mechanical engineer; MEP/FP design and CA; occupied and phased approach in secure environment; upgraded HVAC systems; re-evaluated design based on Covid; 100% outside air provided; upgraded indoor air quality; façade and window replacement; new security grade ceiling; \$2.75M ECC.

DCAMM, Springfield Hall of Justice Dehumidification Study, Principal-in-charge and chief mechanical engineer; mechanical certified study and schematic design; identified short term solutions to mitigate high levels of humidity in HOJ; HVAC upgrades and repairs; presented alternative approaches to removal of duct obstructions; goal to provide reheat during summer operation; recommendations used for cost estimate; occupied; 226,000 SF; built 1971; prime.

DCAMM, Office of the Chief Medical Examiner - Program and Facility Renewal Study of the Massachusetts Medical Examiners Operations Facility, Boston, Mass. Chief mechanical engineer.



James Shannon

PE, LEED AP, MCPPO

Plumbing and Fire Protection Engineer

Project Role: **Plumbing and Fire Protection Engineer**

MA Registration Type & #:

Fire Protection Engineering #47830

Years w/ Firm: **5**

Total Years Experience: **20**

Additional Registrations/Certifications:

PE: RI, FL, MO

MCPPO

Availability: **20%**

Applicant Office Address:

Architectural Engineers, now IMEG

63 Franklin Street

Boston, MA 02110

EXPERIENCE & QUALIFICATIONS RELEVANT TO PROPOSED PROJECT

DCAMM, Middleton Jail and House of Corrections, Inmate Services Building (ISB) and Vocational Building Replacement Study, Middleton, Mass. Senior P/FP engineer; MEP/FP study; existing conditions; life cycle cost analysis; code deficiency investigation; sustainability; multiple scenarios considered; User group study workshop; program/space analysis; prioritized recommendations; \$74M ECC.

DCAMM, Hampden County Correctional Facility HVAC Upgrades, Ludlow, Mass. Senior plumbing engineer; MEP; study/design/CA; DCAMM certified Study, emergency response task; existing conditions and existing reports review; met with state inspector to discuss approach and outcome; phased construction; BIM/Revit; c149; 401,500 SF; \$8M ECC.

DCAMM, MCI Accessibility Upgrades in 4 Cottages, Framingham, Mass. Senior plumbing/fire protection engineer; MEP/FP; design/CA; conversion of former laundry rooms to ADA-compliant restrooms; water closet coordination; house doctor task; BIM/Revit; c149; \$3.6M.

DCAMM, Essex Jail & HOC 80-Bed Housing Unit Façade Replacement, Middleton, Mass. Sr. plumbing/fire protection engineer; MEP/FP design and CA; occupied and phased approach in secure environment; upgraded HVAC systems; re-evaluated design based on Covid; 100% outside air provided; upgraded indoor air quality; façade and window replacement; new security grade ceiling; \$2.75M ECC.

DCAMM, DOC Bridgewater Boiler Replacement, Bridgewater, Mass. Sr. P/FP engineer; MEP/FP; study, design and CA; emergency repair; prime HD; complex phasing; occupied facility; accelerated repairs; central steam plant serves 120 buildings; energy efficiency; temporary equipment; fuel conversion; permitting; no down-time; c149; \$8M.

DCAMM, DYS AC/DMH FP Upgrades, Taunton State Hospital Goss Building, Sr. P/FP engineer MEP/FP; study/design/CA; prime house doctor; evaluation of costs and issues required to provide wet sprinkler system; designed extension of sprinkler service from outside building; ADA; secure facility for youth offenders; 80,000 SF; accelerated schedule; c149, \$3.6M.



Nick Ferzacca

PE, LEED AP

Electrical Engineer

Project Role: **Electrical Engineer**

MA Registration Type & #:

Electrical Engineering #43208

Years w/ Firm: **13**

Total Years Experience: **34**

Additional Registrations/Certifications:

PE: CT, RI, NH, ME

LEED AP

Availability: **10%**

Applicant Office Address:

Architectural Engineers, now IMEG

63 Franklin Street

Boston, MA 02110

EXPERIENCE & QUALIFICATIONS RELEVANT TO PROPOSED PROJECT

DCAMM, Middleton Jail and House of Corrections, Inmate Services Building (ISB) and Vocational Building Replacement Study, Middleton, Mass. Chief electrical engineer; MEP/FP study; existing conditions; life cycle cost analysis; code deficiency investigation; sustainability; multiple scenarios considered; User group study workshop; program/space analysis; prioritized recommendations; \$74M ECC.

DCAMM, Hampden County Correctional Facility HVAC Upgrades, Ludlow, Mass. Chief electrical engineer; MEP; study/design/CA; DCAMM certified Study, emergency response task; existing conditions and existing reports review; met with state inspector to discuss approach and outcome; phased construction; BIM/Revit; c149; 401,500 SF; \$8M ECC.

DCAMM, MCI Accessibility Upgrades in 4 Cottages, Framingham, Mass. Chief electrical engineer; MEP/FP; design/CA; conversion of former laundry rooms to ADA-compliant restrooms; water closet coordination; house doctor task; BIM/Revit; c149; \$3.6M.

DCAMM, Essex County HOC Fire Alarm Replacement; Project manager, Chief electrical engineer; Design and CA; full FA replacement in 200,000 SF 10-building facility; addressable detection with voice evacuation; occupied construction; ADA compliant speakers/strobes; existing fire alarm demolition coordination; \$1.8M

DCAMM, Essex Jail & HOC 80-Bed Housing Unit Façade Replacement, Middleton, Mass. Chief electrical engineer; MEP/FP design and CA; occupied and phased approach in secure environment; upgraded HVAC systems; re-evaluated design based on Covid; 100% outside air provided; upgraded indoor air quality; façade and window replacement; new security grade ceiling; \$2.75M ECC.

DCAMM, DOC Bridgewater Boiler Replacement; Chief electrical engineer; Prime MEP design and CA; replaced MCC with double-ended switchboard; installed new MCC adjacent to old; complex phased approach to bring new equipment online; constant steam supplied to campus during construction; accelerated schedule; c149; \$7M.

DOC, MASAC Section 35 Study and Facility Condition Assessment, PIC and chief electrical engineer; study and facility condition assessment; Mass. Building Code, MAAB, and DOC standards review; study to determine system ability to support programmatic improvements and long-term use; reviewed secondary power, lighting and lighting controls, fire alarm systems, structured cabling, and electronic security systems.

DOC, Souza Baranowski Security Upgrades Study; PIC and chief electrical engineer; DCAMM certified study; determined requirements for compatibility between DOC-selected digital video management hardware and existing PLC-based controls maintaining the current interactivity among the CCTV surveillance, door control, public address and intercom systems; maximum security facility.



Balram Chamaria

Principal Engineer - Structural

Project Role: **Structural Engineer**

MA Registration Type & #:
Structural Eng. #52338

Years w/ Firm: **7**

Total Years Experience: **19**

Additional Registrations/Certifications:

Civil Eng. / MA #51274

Civil Eng. / OH #71396

Availability: **40%**

Applicant Office Address:

B+AC, LLC

214 Arlington St.

Chelsea, MA 02150



EXPERIENCE & QUALIFICATIONS RELEVANT TO PROPOSED PROJECT

Balram has worked on a broad range of projects ranging from home renovations to new high-rises. Recent work has included a number of public, LEED, and mass timber projects. Fire stations and public safety, K-12 education, correctional facilities, health related buildings, and community centers are a few of the recent sectors he has been involved with. In recent years, house doctor projects have been a frequent item on the docket—this includes state buildings, the State University system, the UMass system, and courts.

Massachusetts Correctional Institution – ADA & Window Replace, Framingham, MA: Window replacement and ADA compliance improvements in 4 barracks. DCAMM HD with HDR.

Middleton House of Corrections – Inmate Services, Middleton, MA: Vocational building occupancy changes require analysis and changes from risk category II to III.

Hampden County House of Corrections – Energy Study, Ludlow, MA: Design and analysis of upgraded HVAC loads on eight buildings. DCAMM HD with HDR.

Third St. District Court – Upgrades, Cambridge, MA: Rooftop MEP modifications, new rooftop/windows, parapet support, lintel and cupola concerns, and two structural wall modifications for a detention area renovation. DCAMM HD with HDR.

Hudson Armory – Roof Replacement, Hudson, MA: Roof replacement on a 1910-built Armory building. A DCAMM House Doctor project with HDR.

Massachusetts Police Academy Firing Range – Roof Replacement, New Braintree, MA: Conditions assessment and roof replacement. A DCAMM House Doctor project with HDR.

Fenton Judicial Center, Cooling Tower, Lawrence, MA: Cooling tower replacement energy upgrade.

Solomon Carter Fuller Mental Health Hospital – Elevators, Boston, MA: Integrity of six 11-story elevator shafts assessed. Feasibility report for new generator included.

Bridgewater St. University – Maxwell Library HVAC Upgrade, Bridgewater, MA: (HD) Provided floor ratings and new door openings for multiple HVAC replacement units

Corrections Center for Women - Study, Statewide, MA: Study on the suitability of renovating 15 blgs & 300k sq ft of space at MCI Framingham

Devens – Fire & Police Emergency Response Centers, Devens, MA: Fire Station addition and renovations and State Police facility

Boston – Engagement Center, Boston, MA: New LEED certified construction providing safe daytime shelter and access to outreach services.

National Guard – Middleborough Roof, Middleborough, MA: Replacement roof on 18,734sq ft single-story bldg with multiple roof heights.

Massachusetts State House – Energy Upgrades, Boston, MA: Existing conditions review, design for new loads, new structural framing in the historic building.

OCME – Central & Western Massachusetts, Westfield, MA: New facility w/ morgue, lab, admin/support space, HVAC system input, & bldg support. W/ HDR

OCME Boston – Study, Boston, MA: Address operational and bldg needs. Review of current statewide network of facilities. With HDR.

RI Army National Guard Readiness Center Expansion, Middletown, RI: 8,500 sq ft logistics and admin expansion including reinforced concrete, blast-rated arms vault.

UMass Medical School – Student Wing AHU, Worcester, MA: 5 AHUs replaced in the Student & Basic Science wings of the main campus bldg. DCAMM HD.

MassPort – Logan Airport CHP Expansion, Boston, MA: Lateral system upgrades and new foundation/modifications for new cooling tower and two chillers

Western Massachusetts Hospital, Westfield, MA: Energy upgrades in 93k sq ft health care facility while facility remained operational and occupied.

Fitchburg St. University – House Doctor, Fitchburg, MA: (HD) Services including assessments of auditorium, restaurant, theatre, and new game lab

Salem St. University – House Doctor, Salem, MA: (HD) Bertolon Bldg parapet repairs, theatre ceiling structure assessment, & relocation of Art Dept

UMass-Boston – House Doctor, Boston, MA: (HD) Services for elevators and accommodation for generators – Wheatley and McCormack Halls



William R. Maher

PE, LSIT

Civil Engineering Project Manager

Project Role: **Civil Engineer**

MA Registration Type & #:
Professional Engineer (Civil) #41669

Years w/ Firm: **20**

Total Years Experience: **37**

Additional Registrations/Certifications:

Land Surveyor-In-Training, #767

Soil Evaluator, #SE1458

Title V System Inspector, #SI1851

Licensed Concrete Technician, #CTPR001443

Availability: **15%**

Applicant Office Address:

Nitsch Engineering, Inc.
2 Center Plaza, Suite 430
Boston, MA 02108



EXPERIENCE & QUALIFICATIONS RELEVANT TO PROPOSED PROJECT

Middleton Jail ISB Replacement, Middleton, MA: Project Manager of civil engineering services to support the development of a study for the replacement of the Inmate Services Building program with new construction. The project includes analysis of existing site conditions, including parking, drainage, and utilities.

Haverhill District Court, Haverhill, MA: Project Manager of civil engineering services to support the development of a study for the Haverhill District Court Building and subsequent renovation of and addition to the existing courthouse. The project included reconstruction of the parking lot including striping and signage, regrading, and designing Americans with Disabilities Act (ADA)-compliant parking. Designed new utilities for the addition (drainage) and new gas and electric utilities (transformer and generator).

Wall Experiment Station, Lawrence, MA: Project Manager for civil engineering services related to the renovation of an existing building and a new building addition. Designed the site's utilities, including a new stormwater system that incorporates BMP design requirements and parking lot improvements. Also permitted the project with the City of Lawrence Conservation Commission.

Medford Square Parking Facility, Medford, MA: Project Manager for civil engineering services related to the construction of a new downtown parking garage. Designed the site's utilities, including a new stormwater system that incorporates BMP design requirements and parking lot improvements.



Shauna Gillies-Smith

RLA, CLARB, LEED AP

Founding Principal

Project Role: **Landscape Architecture**

MA Registration Type & #:

MA Landscape Arch #1556

Years w/ Firm: **13**

Total Years Experience: **30**

Additional Registrations/Certifications:

Landscape Architect: MA #1556, NH \$115, CT #955,

MI#3901001702, ME#4629

CLARB #2206

LEED AP

Availability: **25%**

Applicant Office Address:

Ground

285 Washington Street

Somerville, MA, 02143

EXPERIENCE & QUALIFICATIONS RELEVANT TO PROPOSED PROJECT

DCAMM, MASAC at Plymouth. Section 35. Facility Conditions Assessment. Plymouth, MA

DCAMM, DMH Taunton. Chambers Building. Secure Women's Addiction Treatment Unit, Taunton, MA

DCAMM, DMH Taunton. Chambers Building. Section 35 Men's Unit. Taunton, MA

DCAMM, Massasoit Campus Accessibility Upgrades,

DCAMM, Soldiers' Home Renovation. Holyoke, MA

DCAMM, MassArt: Center for Design and Media, Boston, MA, LEED project

Crozier Williams Campus Center, Connecticut College, New London, CT

DCAMM, Mainstage Theater, Salem State University, Salem, MA, 149 A

Smith College, Cutter + Ziskind Residence, Northampton, MA, LEED project

MassArt, Galleries Extension, Boston, MA

Tufts, Collaborative Learning and Innovation Complex, Medford, MA

UMass Lowell, University Crossing, Lowell, MA, LEED project, 149A

UMass Lowell, Leitch & Bourgeois Residence Renovation, MA





Nancy Brandenburg

CSI
Architectural Specifications

Project Role: **Specifications**

MA Registration Type & #: **N/A**

Years w/ Firm: **22**

Total Years Experience: **55**

Additional Registrations/Certifications:
2005 / CSI / Construction Documents Technologies (CDT) / Membership #1078306

Availability: **20%**

Applicant Office Address:
**HDR Architects and Engineers, P.C.
1800 American Blvd., Suite 100
Pennington, NJ 08534-4140**

CURRENT WORK ASSIGNMENTS

(See Section 5 Matrix, linking projects to selection criteria.)

DCAMM, Replacement of Inmate Services Building, Essex Sheriff, Middleton Jail and House of Corrections, Middleton, MA; Specifications Consultant (Section 4, page 19)

DCAMM, Hampden County House of Corrections - HVAC System Deficiency Study, Ludlow, MA; Specifications Consultant (Section 4, page 20)

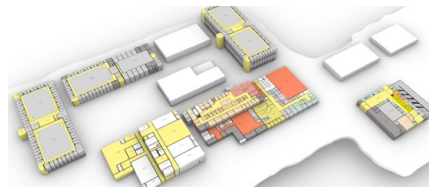
DCAMM, TRC - Cambridge Courthouse, Third Street, Certifiable Building Study, Chapter 34 Code Review, and Envelope Repairs, Cambridge, MA; Specifications Consultant (Section 4, page 22)

State of New York, NYS Office of General Services, 41st Floor Corning Tower Administrative Offices Renovation including Hazmat Abatement, Albany, NY; Specifications Consultant

Baltimore District, USACE, Medical Waste Incinerator Building, prepare a Full Criteria Design-Build RFP Package, Fort Detrick, MD; Specifications Consultant

Catholic Health Services, 4th Floor Postpartum Renovation, Interior alteration of 4th floor West Islip Long Island, NY; Specifications Consultant

New York University School of Medicine, Skirball Institute, 120,000 SF research laboratory gut renovation and fitout, New York, NY; Specifications Consultant



DCAMM, Replacement of Inmate Services Building, Essex Sheriff, Middleton Jail and House of Corrections

OTHER EXPERIENCE & QUALIFICATIONS RELEVANT TO PROPOSED PROJECT

DCAMM, MCI Framingham, 4 Cottages, Exterior Window Replacement, Framingham, MA; Specifications Consultant (Section 4, page 21)

DCAMM, Office of the Chief Medical Examiner, Central and Western Massachusetts Medical Examiners Operations Facility, Westfield, MA; Specifications Consultant (see section 4, page 21)

Springfield Redevelopment Authority, Union Station Regional Inter-Modal Transportation Center renovation of a 120,250 SF terminal building, new open-air bus terminal (27 berths) and new parking facility with capacity of 377 cars. - Construction Document and QA/QC Development, Springfield, MA; Specifications Consultant

Howard University, Interdisciplinary Research Building (HUIRB), Washington, DC; Specifications Consultant

North Shore Medical Center, Hospital-wide study of multiple renovations; Salem, MA; Specifications Consultant

New York State Office of General Services (NYSOGS), Interdisciplinary Research Building (HUIRB), Washington, DC; Specifications Consultant

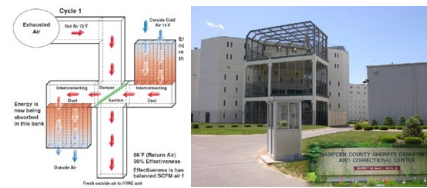
NYS Design & Construction, Administrative Offices, Renovation projects, Albany, NY; Specifications Consultant

Catholic Health Services, Good Samaritan Hospital Major Modernization, new \$488M Pavilion Addition at Good Samaritan Hospital Medical Center, West Islip Long Island, NY; Specifications Consultant

U.S. Department of Veterans Affairs, Phased renovation of laboratory building on the Jamaica Plain Medical Center campus, 67,500 GSF renovation; Boston, MA; Specifications Consultant

U.S. Department of Veterans Affairs, National IDIQ VISN 1, Boston Healthcare Center, Brockton Campus: Patient Privacy Improvement/ Renovations of Interior Spaces, Bldgs. 4, Boston, MA; Specifications Consultant

U.S. Department of Veterans Affairs, National IDIQ VISN East Region, NY Harbor Manhattan Healthcare System, Ground Floor Flood Mitigation Design Bldgs. 1, 2, 3 and 6, and Final Ground Floor Fit-Out Simulation Training Center, New York, NY; Specifications Consultant



DCAMM, Hampden County House of Corrections, HVAC System Deficiency Study



DCAMM, MCI Framingham, 4 Cottages, Exterior Window Replacement





Clive Tysoe

Cost Estimator

Project Role: **Cost Estimator**

MA Registration Type & #: **N/A**

Years w/ Firm: **3**

Total Years Experience: **43**

Additional Registrations/Certifications:

Appointed Associate Member of the RICS

Availability: **30%**

Applicant Office Address:

Ellana, Inc.

98 North Washington Street

Suite 109

Boston, MA 02114

EXPERIENCE & QUALIFICATIONS RELEVANT TO PROPOSED PROJECT

Mr. Tysoe has over 40 years of experience in cost estimating, quantity surveying, internationally and regionally. His experience in the UK, USA and overseas covers many sectors of the construction industry and his strong focus on client satisfaction and managing expectations provides a great benefit especially on larger, more complex projects. His experience involves projects ranging from small projects to multimillion dollar endeavors. Mr. Tysoe has assisted on several value engineering workshops, providing an opportunity to the clients to re-evaluate the design and cost of their project. His broad base of construction knowledge and experience gives clients valuable advice and the ability to make informed decisions early in the design process.

DCAMM, Middleton Jail ISB Replacement Study, Middleton, MA

This project involves providing cost estimating services for the current 2-level Middleton Jail Inmate Services Building Replacement study. The purpose of this project is to assess the building to identify alternative approaches to the project phasing and development.

UMass Campuses, Various MEP projects, MA

These projects involve providing cost estimating service for construction of MEP upgrade works at UMass campuses. The estimates are used to develop budgets or for tracking design work against budgets. Projects include: UMass Lowell Redundant Feeder, UMass Lowell Tsongas Area HVAC, Sheehan & Concordia Hall, UMass Olney Hall Lab Renovations, UMass Costello Gym, Thonsgas Arena HVAC Upgrade, UML Generator Study, UML North Quad Electrical, UML Redundant and Electrical feeder.

DCAMM, Critical Infrastructure Upgrades at 4 Campuses, Various, MA

This project involves providing cost estimating consultant service for electrical upgrades over four higher education facilities. The campuses involved were NECC, QCC, WSU and Fitchburg.

DCAMM, Massachusetts State House - Water Infiltration Repairs, Boston, MA

As a part of larger measures to extend the life of The Massachusetts State House building, DCAMM needed to upgrade the waterproofing. This project involved providing cost-estimating. Given the high-profile nature, unique challenges and their subsequent costs had to be taken into consideration. The water infiltration that was occurring was mostly associated with skylights, walkways, and staircases at the exterior. The engineer's work involved the dismantling and re-building of a large portion of the stone work, pavers, balustrades, and stone treads. Historic preservation practices played a significant role.

DCAMM, North Point Maintenance Building, Cambridge, MA

This project involves providing cost estimating consultant service for change order evaluation on civil works at North Point Maintenance Building. The estimates are used to negotiate resolution with the contractors.

Provincetown Police Station, Provincetown, MA

This project involved providing cost estimating services for proposed construction of a 14,423sf Police Station. The new Police Station will be a 2-story building that helps law enforcement officers to better serve the people of Provincetown.

DCAMM, Renovation of Existing Tower for Department of Public Health (DPH) – Jamaica Plains, MA

This project involved providing cost estimating services for demolition of adjacent buildings/renovation works including laboratory renovations. Scope includes additions to the rooftop and front of the building annex.





Eric Cote

PE

Senior Technical Advisor

Project Role: **MA Building Code Consultant PIC**

MA Registration Type & #:
Professional Engineer #37964

Years w/ Firm: **19**

Total Years Experience: **34**

Additional Registrations/Certifications:
Professional Engineer / NY #079311
Professional Engineer / VA #0402023005

Availability: **30%**

Applicant Office Address:
Jensen Hughes, Inc.
One Research Drive, Suite 305C
Westborough, MA 01581

EXPERIENCE & QUALIFICATIONS RELEVANT TO PROPOSED PROJECT

Mr. Eric Cote, Principal-in-Charge, is dedicated to the analysis of building code requirements and their intent relative to the fire-safe design of all structure types. He specializes in fire and life safety master planning, accessibility code analysis and plan review, and complex code issue analysis and equivalency development. He oversees all significant code-related evaluations of fire protection and life safety facilities, including fire safety design reviews, building surveys, fire system designs, and assessments of fire hazards. Project experience includes large mixed-use developments, research and instructional laboratories, educational facilities, residential and institutional multi-tenanted housing, and unique structure types. He has a B.S. degree in Fire Protection Engineering and is a member of the National Fire Protection Association (NFPA).

CURRENT WORK ASSIGNMENTS

DCAMM, Design and Construction Admin. For the Replacement of Elevator #4 at Edward W. Brooke Courthouse, Boston, MA; Code Consulting; Principal-in-Charge

ADDITIONAL EXPERIENCE

DCAMM, Certified Study for Building Façade Replacement and HVAC Up-grades at the Essex House of Correction (EHOC) Eighty-Beds and Vocational/Housing Buildings, Middleton, MA; Code Consultant; Principal-in-Charge

DCAMM, Study of Building Conditions at the Wareham District Court, Wareham, MA; MA Building Code Consulting; Principal-in-Charge

DCAMM, Study of HVAC System and Windows at the Woburn District Court, Woburn, MA; MA Building Code Consultant; Principal-in-Charge

DCAMM, Design and Construction Admin. for the Concord Court Roof Replacement and ADA Upgrade, Concord, MA; MA Building Consultant; Principal-in-Charge

DCAMM, New Science Center and Building Renovations Project, Westfield State University, Westfield, MA; Fire Protection, Life Safety, and Accessibility Code Consulting; Principal-in-Charge, Fire Protection

DCAMM, Chapel Renovations, UMass, Amherst, MA; Fire/Life Safety and Accessibility Code Consulting; Principal-in-Charge, Fire Protection

DCAMM, Energy Producing Facility Project, UMass, Boston, MA; Fire/Life Safety and Accessibility Code Consulting; Principal-in-Charge, Fire Protection

MCCA, Plumbing Fixture Factors and Capacity, MCCA Facilities, Boston, MA; Principal-in-Charge/Project Manager

MCCA, House Doctor Services, Consulting Engineering and Architectural Services Contract, MCCA Facilities, Boston, MA; Code Consultant; Project Manager, Fire Protection

MCCA, Lawn D Project, Boston, MA; Code Consultant; Principal-in-Charge, Fire Protection

MCCA, Hynes Rejuvenation Project, Boston, MA; Code Consulting; Principal-in-Charge, Fire Protection

Reading Public Library, Addition, Reading, MA; Code Consulting; Principal-in-Charge, Fire Protection

MA DESE, Quincy Public Schools, Special Inspection Services, Quincy South West Middle School, Quincy, MA; Smoke Control Consulting; Principal-in-Charge



Todd Pearson

Code Consultant

Project Role: **MA Building Code Consultant**

MA Registration Type & #: **N/A**

Years w/ Firm: **9**

Total Years Experience: **9**

Additional Registrations/Certifications:

National Fire Protection Association (NFPA)

Society of Fire Protection Engineers (SFPE)

Automatic Fire Alarm Association (AFAA)

Availability: **50%**

Applicant Office Address:

Jensen Hughes, Inc.

One Research Drive, Suite 305C

Westborough, MA 01581

EXPERIENCE & QUALIFICATIONS RELEVANT TO PROPOSED PROJECT

Mr. Todd Pearson will serve as MA Building Code Consultant. He has provided fire protection, life safety, and accessibility consultation services for diverse occupancies including government, assembly, educational, business, health care, hospitality, and industrial. He is proficient with existing building surveys and analyses in addition to reviewing plans for new construction for conformance with local and national codes and standards. He provides analysis of building, fire, life safety and accessibility code requirements to develop an overall code approach specific to a project. Mr. Pearson has a M.S. in Fire Protection Engineering from Worcester Polytechnic Institute. He is a member of the National Fire Protection Association (NFPA), the Society of Fire Protection Engineers (SFPE) and the Automatic Fire Alarm Association (AFAA).

CURRENT WORK ASSIGNMENTS

MBTA, Concourse Level Repairs, Upgrades and Renovations, Back Bay Station, Boston, MA; Fire Protection, Life Safety and Accessibility Consulting; Project Manager, Code Consulting

MBTA, Green Line Transformation Design Criteria Guide Development; Fire Protection, Life Safety and Accessibility Code Consulting; Project Manager

DCAMM, Study and Design of Correctional Centers for Women. The goal of the study is to determine a consensus solution for either the replacement or renovation of existing correctional centers for women, Statewide, MA; Fire Protection, Life Safety and Accessibility Consulting; Project Manager, Code Consulting

ADDITIONAL EXPERIENCE

DCAMM, Certified Study for Building Façade Replacement and HVAC Upgrades at the Essex House of Correction (EHOC) Eighty-Beds and Vocational/Housing Buildings, Middleton, MA; Code Consulting; Code Consultant

DCAMM, Study of Building Conditions at the Wareham District Court, Wareham, MA; MA Building Code Consultant; Code Consultant

DCAMM, Design and Construction Admin. for the Concord Court Roof Replacement and ADA Upgrade, Concord, MA; MA Building Consultant; Code Consultant

DCAMM, Existing Conditions Study, Grafton Job Corps, Grafton & Shrewsbury, MA; 12 Buildings; Fire Protection and Life Safety Code Consulting; Code Consultant

DCAMM, DYS Goss Building, Immediate Air Conditioning, Taunton MA; Code Consulting; Code Consultant

DCAMM, UMass Southwest Residential Tower Elevator Study, Amherst, MA; Code Consulting; Project Manager, Code Consulting

DCAMM, UMass Physical Science Building, Amherst, MA; Fire Protection and Code Consulting, Code Variance Preparation; Code Consultant

MBTA, Kendall/MIT Station Renovation, Cambridge, MA; Fire Protection, Life Safety and Accessibility Code Consulting; Code Consultant

MCCA, Hynes Rejuvenation Project, Boston, MA; Code Consulting; Code Consultant

Boston University, 855 Common-wealth Ave. Renovations and Up-grades. Boston, MA; Code Variance Preparation; Code Consultant

VAMC Northampton, Biotech 4th Floor, Worcester, MA; Code Consulting; Project Manager

VAMC Bedford, Building 78, Consolidate Mental Health Outpatient Clinic, Bedford, MA; Code Consulting; Project Manager



Kathleen Campbell

PE, LSP, LEED AP, ENV SP

Principal in Charge

Project Role: **Hazardous Materials Consultant PIC**

MA Registration Type & #:

Professional Engineer #39420

Years w/ Firm: **28**

Total Years Experience: **32**

Additional Registrations/Certifications:

Licensed Site Professional #9984

Availability: **20%**

Applicant Office Address:

CDW Consultants, Inc.

6 Huron Drive

Natick, MA 01760



EXPERIENCE & QUALIFICATIONS RELEVANT TO PROPOSED PROJECT

Ms. Campbell is the President of CDW and has over 30 years of experience in environmental science and engineering in both the public and private sector. She has managed hundreds of projects involving environmental assessments and subsurface investigations, including work on community college, college, and university campuses throughout Massachusetts. She has been involved in many high visibility national and state model brownfields projects and has successfully achieved regulatory closure allowing redevelopment of contaminated sites by integrating risk assessment and cleanup technologies, demolition strategies, and ultimate re-use goals. She has prepared design plans and specifications for various remedial alternatives including soil and groundwater treatment systems, capping strategies, as well as innovative technologies such as bioremediation.

She has provided Licensed Site Professional services including IRAs, RAMs, LRAs, RAOs, and AULs under the Massachusetts Contingency Plan (MCP), and has completed numerous Phase I, Phase II, Phase III and Phase IV studies. She has performed and supervised numerous MCP Method 1, Method 2, and Method 3 risk assessments, including human health and environmental impact assessments.

Ms. Campbell has performed regulatory compliance audits for clients including public agencies and municipalities. She also has extensive experience in the preparation of federal, state and local permit applications. She has responsibility for all aspects of environmental permitting and compliance, including remediation, resource protection, wetlands, historical, and hazardous waste management. She has prepared permit applications under the Massachusetts Environmental Policy Act, the DEP Wetlands Protection Act, DEP Chapter 91 Waterways regulations, U.S. Army Corp. of Engineers regulations, US Coast Guard, US Fish & Wildlife, National Environmental Policy Act, and the USEPA National Pollutant Discharge Elimination System

DCAMM PROJECTS:

MCI Framingham

State Hospital Building, Lancaster

State Police Barracks, Medford

Bridgewater State Hospital

Templeton Development Center, Templeton

Middlesex House of Corrections, Billerica

Haverhill District Court, Haverhill

Medical Examiner's Facility, Westfield

Holyoke Community College, Holyoke

Former State Hospital Campus, Franklin

State Hospital Building, Lancaster

Former State Hospital, Medfield

Bryan Building, Worcester

Soldiers' Home, Chelsea



Susan Cahalan

Senior Environmental Scientist

Project Role: **Hazardous Materials Specialist**

MA Registration Type & #:

Licensed Asbestos Inspector #A1060784

Years w/ Firm: **9**

Total Years Experience: **22**

Additional Registrations/Certifications:

State of New Hampshire, Licensed Professional Geologist #371

Availability: **30%**

Applicant Office Address:

**CDW Consultants, Inc.
6 Huron Drive
Natick, MA 01760**

EXPERIENCE & QUALIFICATIONS RELEVANT TO PROPOSED PROJECT

Ms. Cahalan's current responsibilities include preconstruction and pre-renovation assessments of asbestos and other hazardous materials contained in buildings, brownfields site data analysis, management of impacted soil and groundwater at construction sites, project reporting under the MCP, and the completion of risk assessments for a variety of public and private sector clients. She performs comprehensive pre-renovation testing of building materials and develops construction documents including engineering specifications for handling and abatement of the hazardous substances present, for incorporation into contract bid packages. Construction services provided included project monitoring, clearance sampling, and additional testing of hidden hazardous substances encountered during construction and advising client and contractors how to appropriately handle and dispose of the substances.

She and Ms. Campbell have worked as a team on the following projects:

State Police Barracks, Medford

State Hospital Building, Lancaster

Templeton Development Center, Templeton

Bridgewater State Hospital

Haverhill District Court, Haverhill

Middlesex House of Corrections, Billerica

Holyoke Community College, Holyoke

Former State Hospital Campus, Franklin

State Hospital Building, Lancaster

Former State Hospital, Medfield

Bryan Building, Worcester

Soldiers' Home, Chelsea





David Deason

DBIA

Senior Physical Security Specialist

Project Role: **Corrections Physical Security Consultant**

MA Registration Type & #: **N/A**

Years w/ Firm: **4**

Total Years Experience: **38**

Additional Registrations/Certifications:

Design-Build Institute of America

Availability: **25%**

Applicant Office Address:

HDR Architecture, Inc.

8750 N. Central Expressway

Suite 100

Dallas, TX 75231

CURRENT WORK ASSIGNMENTS

(See Section 5 Matrix, linking projects to selection criteria.)

Orange County, James A. Musick Facility, Irvine, CA;
Physical Security Specialist; Physical Security Specialist

Franklin County Corrections Center, Phase 2,
Columbus, OH; Physical Security Specialist

Ventura County, Todd Road Jail - Health and
Programming Unit, Santa Paula, CA; Physical
Security Specialist

Tarrant County, Scott D. Moore Juvenile Court
& Detention Facility, Fort Worth, TX; Physical
Security Specialist

Omaha Douglas Public Building Commission,
Douglas County Juvenile Justice Center, Omaha, NE;
Physical Security Specialist

Comal County, Landa Courts Building Additions
and Renovations, New Braunfels, TX; Physical
Security Specialist

Hidalgo County Commissioners, Hidalgo County
Courthouse, Edinburg, TX; Physical Security Specialist

OTHER EXPERIENCE & QUALIFICATIONS RELEVANT TO PROPOSED PROJECT

Illinois Department of Corrections, In-Patient
Treatment Facility, Joliet, IL; Physical Security Specialist

Wisconsin Department of Corrections, Wisconsin
Secure Program Facility - New Inmate Programs
Building, Boscobel, WI; Physical Security Specialist

Comal County, New Jail and Existing Jail Renovation,
New Braunfels, TX; Physical Security Specialist

**California Department of Corrections &
Rehabilitation (CDCR)**, Health Care Facility
Improvement Program (HCFIP) - California Men's
Colony, Lancaster, CA; Physical Security Specialist

Denton County, Charlie Cole Juvenile Courts and
Intake Expansion/Alterations, Denton, TX; Physical
Security Specialist

Mecklenburg County, Detention Center
Modernizations, Charlotte, NC; Physical
Security Specialist

Department of Homeland Security DC, CBP
Centralized Processing Center, Yuma, AZ; Physical
Security Specialist

Montgomery County, Sheriff's Office - District 4
Patrol, Houston, TX; Physical Security Specialist

Lee County, Court Room Finish Out, Opelika, AL;
Physical Security Specialist

Denton County, Emergency Operations Services
Building, Denton, TX; Physical Security Specialist



Illinois Department of Corrections,
In-Patient Treatment Facility



Omaha Douglas Public Building Commission,
Douglas County Juvenile Justice Center



Ventura County, Todd Road Jail,
Health and Programming Unit





Jim Gabel

SPA

Senior Low Voltage Design Lead

Project Role: **Corrections Electronic Security Consultant**

MA Registration Type & #: **N/A**

Years w/ Firm: **22**

Total Years Experience: **42**

Additional Registrations/Certifications: **N/A**

Availability: **25%**

Applicant Office Address:

HDR Architecture, Inc.

8750 N. Central Expressway

Suite 100

Dallas, TX 75231

CURRENT WORK ASSIGNMENTS

(See Section 5 Matrix, linking projects to selection criteria.)

DCAMM, Replacement of Inmate Services Building, Essex Sheriff, Middleton Jail and House of Corrections, Middleton, MA; Electronic Security Specialist
(Section 4, page 19)

DCAMM, TRC - Cambridge Courthouse, Third Street - Envelope Repairs, Cambridge, MA; Project Manager
(Section 4, page 22)

Franklin County Corrections Center, Columbus, OH; Electronic Security Specialist

Franklin County Corrections Center, Phase 2, Columbus, OH; Electronic Security Specialist

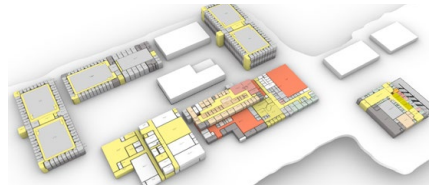
Illinois Department of Corrections, In-Patient Treatment Facility, Joliet, IL; Physical Security Specialist

Ventura County, Todd Road Jail - Health and Programming Unit, Santa Paula, CA; Electronic Security Specialist

Orange County, James A. Musick Facility, Irvine, CA; Electronic Security Specialist

Tarrant County, Scott D. Moore Juvenile Court & Detention Facility, Fort Worth, TX; Electronic Security Specialist

Omaha Douglas Public Building Commission, Douglas County Juvenile Justice Center, Omaha, NE; Electronic Security Specialist



DCAMM, Replacement of Inmate Services Building, Essex Sheriff, Middleton Jail and House of Corrections

OTHER EXPERIENCE & QUALIFICATIONS RELEVANT TO PROPOSED PROJECT

Dallas County Jail, Medical/Mental Health Modifications, Dallas, TX; Electronic Security Specialist

Denton County Jail, Law Enforcement Complex Expansion - Phase 1, Denton, TX; Electronic Security Specialist

Denton County Jail, Law Enforcement Complex - Pre-Trial/Booking Remodel and Sallyport Addition, Denton, TX; Electronic Security Specialist

California Department of Corrections & Rehabilitation (CDCR), California Health Care Facility (CHCF), Stockton, CA; Electronic Security Specialist

California Department of Corrections & Rehabilitation (CDCR), Health Care Facility Improvement Projects (HCFIP) - Statewide Medication Distribution Phase I & II, Statewide, CA; Electronic Security Specialist

Comal County, New Jail and Existing Jail Renovation, New Braunfels, TX; Electronic Security Specialist

Dane County, Jail Consolidation, Madison, WI; Electronic Security Specialist

Kuwait Ministry of Public Works, Kuwait Correctional Facilities Complex, Kuwait City, Kuwait; Electronic Security Specialist

El Paso County, Jail Phase 2 - New Housing Expansion & Sheriff Administration Renovation, El Paso, TX; Electronic Security Specialist

California Department of Corrections & Rehabilitation (CDCR), Health Care Facility Improvement Program (HCFIP) - California Men's Colony, Lancaster, CA; Electronic Security Specialist

California Department of Corrections & Rehabilitation (CDCR), Infill Level II Dormitory Criteria Documents - Mule Creek State Prison and RJ Donovan Prison, San Diego and Lone, CA; Electronic Security Specialist

San Luis Obispo, Juvenile Justice Center Expansion, San Luis Obispo, CA; Electronic Security Specialist

Smith County Jail, Expansion and Renovations, Tyler, TX; Electronic Security Specialist

Comal County, Landa Courts Building Additions and Renovations, New Braunfels, TX; Electronic Security Specialist

Wake County, Hammond Road Jail - Phase 2 Expansion, Raleigh, NC; Electronic Security Specialist

Denton County, Administrative Complex - Phase III, Denton, TX; Electronic Security Specialist



Dallas County Jail, Medical/Mental Health Modifications



Franklin County Corrections Center



4. Prime Experience

HDR Architecture, P.C. (HDR)

Architect

Project Team:

Chad Reilly, Principal in Charge

Harold Levkowitz, Project Manager

Nancy Brandenburg, Specifications Consultant

Date Completed: June 2024 estimated

Location: Middleton, Massachusetts

Construction Cost: \$12.5 million

Client Contact Info:

Scott Schilt, Senior Project Manager

857.329.3731

Scott.Schilt@mass.gov

DCAMM

One Ashburton Place, 15th Floor

Boston, MA 02108

RELEVANCY TO THIS CONTRACT

Commonwealth Priorities

- House Doctor Contract work
- Executive Order 594 - Decarbonization
- Executive Order 526 & 565 - Diverse Team

Scope of Work

- Site/Building Analysis of Existing Conditions
- Evaluation of Alternative Design Option
- Cost Estimating

Services

- Study / Project Scope Determination
- Certifiable Building Study
- Schematic Plans and Outline Specifications (pending)
- Construction Plans and Specifications (pending)
- Administration of Construction Contract (pending)

Evaluation Factors

- Correctional Facility of Similar Size/Complexity
- Phased Construction
- Medium Security Requirements
- DCAMM House Doctor Contract
- Diverse Project Team
- Chapter 149A Delivery

ESSEX COUNTY SHERIFF'S DEPARTMENT, MIDDLETON JAIL AND HOUSE OF CORRECTIONS, VOCATIONAL BUILDING CODE COMPLIANCE STUDY

The Vocational (Voc) Building was designed and constructed in the early 1990's for the Essex County Sheriff's Department (ECSD) as part of the ten facilities within the Middleton House of Corrections campus. At the time, this two-story building, which is approximately 32,690 GSF, was designed for business and storage uses. Approximately 20 years ago, the building was partially converted to include mental health and substance abuse treatment programs, a barber shop, laundry, outdoor recreational yards, recovery program rooms, and dormitory style housing for inmate populations. This building is essential for ECSD to accommodate these services that are not feasible elsewhere on campus. However, when the building was converted, it was not permitted for mixed-use occupancy (housing, business, storage).

Under the proposed plans, the Voc Building can legally house 82 inmates within three housing units on the building's first floor. These inmates are enrolled in the Correctional Opportunity for Personal Enrichment (COPE) unit (Voc 1) or the Clean and Sober Existence (CASE) unit (Voc 2 & 3). Working closely with the end user (ECSD), the Authorities Having Jurisdiction, and the Board of Building Regulation and Standards (BBRS), continuous operations were made possible while developing and implementing an acceptable scope of compliance measures to the building.

There are two primary goals for the renovation of the Voc Building – (1) to provide a legally permitted, code compliant facility, and (2) to ensure any mechanical upgrades are designed with energy efficiency in mind. Upgrades include:

- Providing a fully accessible building
- Providing upgraded ventilation and energy-efficient cooling and heating
- Updating new life safety egress systems, including egress paths and fire sprinklers
- Providing an exterior recreational yard to the COPE (Voc 1) housing unit
- Providing a roll-up door between the CASE (Voc 2 & 3) housing units to allow for flexibility in ECSD's operations
- Executing the work in a phased sequence allowing for continued occupancy during construction



Chad Reilly
Principal in Charge



Harold Levkowitz
Project Manager



Nancy Brandenburg
Specifications
Consultant



Existing Barbershop
(requires new HVAC and accessibility upgrades)



Existing Bathroom (requires ADA-compliant toilet, urinal, sink, and showers upgrades)



Existing Dormitory Housing (requires new HVAC)



4. Prime Experience

HDR Architecture, P.C. (HDR)

Architect

Project Team:

Chad Reilly, Principal in Charge

Harold Levkowitz, Project Manager

Nancy Brandenburg, Specifications Consultant

Jim Gabel, Corrections Electronic Security Consultant

Date Completed: December 2025 estimated

Location: Middleton, Massachusetts

Construction Cost: \$39 million

Client Contact Info: **Scott Schilt**, Senior Project Manager
857.329.3731

Scott.Schilt@mass.gov

DCAMM Office of Design and Construction

1 Ashburton Place, 15th Floor
Boston, MA 02108

RELEVANCY TO THIS CONTRACT

Commonwealth Priorities

- Provision of Best Practices Health Program
- Replacement of Critical Inmate Support Programs
- Allowance for Facility Development

Scope of Work

- Programming
- Site/Building Analysis of Existing Conditions
- Evaluation of Alternative Design Option
- Cost Estimating

Services

- Study / Project Scope Determination
- Certifiable Building Study
- Schematic Plans and Outline Specifications (pending)
- Construction Plans and Specifications (pending)
- Administration of Construction Contract (pending)

Evaluation Factors

- Correctional Facility of Similar Size/Complexity
- Phased Construction
- High Security Requirements
- Rehabilitation & Programming
- DCAMM Project
- Diverse Project Team
- Energy Efficient Design
- Chapter 149 Delivery

ESSEX COUNTY SHERIFF'S DEPARTMENT, MIDDLETON JAIL AND HOUSE OF CORRECTIONS, REPLACEMENT OF INMATE SERVICES BUILDING

Originally constructed in 1990 as a campus of "temporary" buildings, the entire campus is now in need of significant upgrades or replacement. The basic functioning of the facility has been further strained, having been planned to accommodate 500 inmates, but regularly housing approximately 1,300 inmates prior to the pandemic. Although the population has decreased somewhat over the past year, demographics in Essex County indicate pre-COVID population will return to the facility in time. Adding a sense of urgency, the existing Inmate Services Building—housing the Central Food Service/Dining, Medical Infirmary, Visitation, Video Court, Female Transitional Housing, and Administrative Support programs—has reached the end of its useable life and requires replacement. At present, there is no dedicated mental health unit within the Medical Infirmary. To address this shortcoming, DCAMM, the End User Agency, and HDR are looking to national best-practices (many of which are represented in HDR's national Justice projects) for restorative, normative environments to expand services at the facility.

The project scope also includes long- and short-term planning to address code deficiencies in the Vocational Building, a key facility providing a nationally-recognized pilot program for substance abuse treatment. The facility also provides occupational training programs. HDR is currently engaged in a Study for the replacement of these programs, which will renovate the Voc Building as a

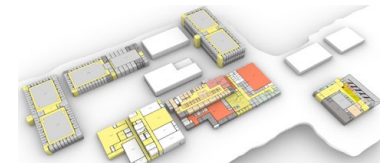
separate project. In addressing these two pivotal facilities, the project has also established a goal of developing a long-term master plan to right-size the facility for current and projected inmate populations.

To assist with the facility condition assessment and to establish a database of space types and functions, HDR is utilizing a proprietary software tool, DataWrangler, to track programming information as a database, integrated with design tools to test multiple program/building concepts in real time - providing for greater understanding of potential building solutions options early in the design process.

The Study is a **multi-task analysis of existing site, building conditions, and program**. HDR's expertise in Correctional Facility programs and operations is being applied to review the impact of **Criminal Justice Reform, National Correctional Facilities' operational trends and best practices**. Our project team is compiling data and is working on developing alternative design scenarios which will require **multi-year phased implementation** to avoid facility operational disruptions. Study project scheduling, cost estimation, and working with a selected Construction Manager for this Chapter 149A project will lead to the selection of a Consensus Design Solution and further Schematic Design Development. Ultimately all inmate support services will be housed in renovated and new operationally secure and sustainable facilities



Facility Plan



DataWrangler - Facility Program



Existing Kitchen & Food Storage



Chad Reilly
Principal in Charge



Harold Levkowitz
Project Manager



Nancy Brandenburg
Specifications
Consultant



Jim Gabel
Corrections
Electronic Security



4. Prime Experience

HDR Architecture, P.C. (HDR)

Architect

Project Team:

Chad Reilly, Principal in Charge

Harold Levkowitz, Project Manager

Alan Fried, Project Manager for Design

Nancy Brandenburg, Specifications Consultant

Date Completed: June 2020 (Study)

March 2024 estimated (Project)

Location: Ludlow, Massachusetts

Construction Cost: \$6.96 million estimated

Client Contact Info: **Shawna Correll**, Project Manager

M: 857.329.2856

shawna.correll@mass.gov

DCAMM Office of Design and Construction

1 Ashburton Place, 15th Floor

Boston, MA 02108

RELEVANCY TO THIS CONTRACT

Commonwealth Priorities

- Building Repairs or Renovation
- Resolve and Recommend HVAC System Corrective Measures

Scope of Work

- Study / Project Scope Determination
- Evaluation of Problems
- Assessment of Existing Conditions
- Evaluation of Alternative Design Option
- Cost Estimating

Services

- Certifiable Building Study
- Preliminary Study
- Schematic Plans and Outline Specifications (pending)
- Design Development Plans and Specs (pending)
- Construction Plans and Specifications (pending)
- Administration of Construction Contract (pending)

Evaluation Factors

- DCAMM House Doctor Contract
- Correctional Facility of Similar Size/Complexity
- Phased Construction
- High Security Requirements
- Diverse Project Team
- Energy Efficient Design
- Chapter 149 Delivery



Commonwealth of Massachusetts
DSB Application Form

HAMPDEN COUNTY HOUSE OF CORRECTIONS HVAC SYSTEM DEFICIENCY STUDY/ALTERATIONS

Constructed in 1992, the Hampden County House of Corrections, located in Ludlow, MA consists of eight buildings, three of which are Housing Towers. Replacement of existing rooftop **HVAC Equipment serving the three Housing Towers and several other buildings** occurred as part of an HVAC Equipment Replacement project starting in 2014. Prior to any services provided by HDR, this project was determined to be non-compliant with the State Mechanical by the State Building Inspector when the original project team attempted wrap up construction and close out the building permit. DCAMM requested **HDR to review the existing equipment installation, system conditions/design as developed by the prior project team, and code compliance issues** on a preliminary basis to make recommendations on potential corrective measures. HDR provided preliminary information and prepared a requested **Study which has been Certified by DCAMM**.

HDR's initial charge under the Task order was to interface with the State Building Inspector to identify areas of concern and develop a road map to close out the original building permit. The Study provided a thorough review of various system, code issues (including accessibility for potential actionable items), recommendations for alternative HVAC equipment, cost estimation, and phased installation of work schedule. HDR determined the original design team had not looked holistically at the facility nor addressed the overall mechanical distribution that had been compromised by decades of inmates blocking ductwork in attempts to locally control air supplied into the cells. In combination with proposed changes to the mechanical equipment, a comprehensive program of duct cleaning and system commissioning was deemed by the State Building Inspector to be an acceptable way forward.

HDR is proceeding based on services, having prepared Construction Bid Documents, and is currently providing Construction Administration services to execute the various equipment and system alterations to meet the necessary Mechanical Code requirements; particularly for outside ventilation air. The HVAC system will be significantly more energy efficient.



Chad Reilly
Principal in Charge



Harold Levkowitz
Project Manager



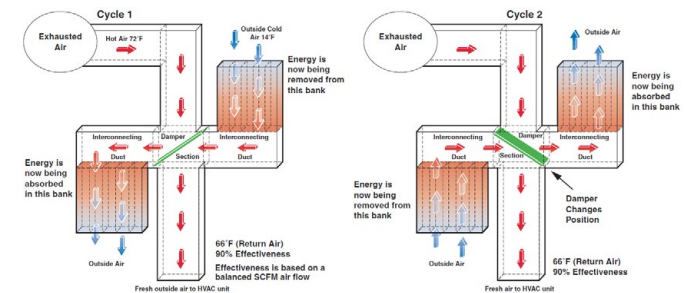
Alan Fried
Project Manager
for Design



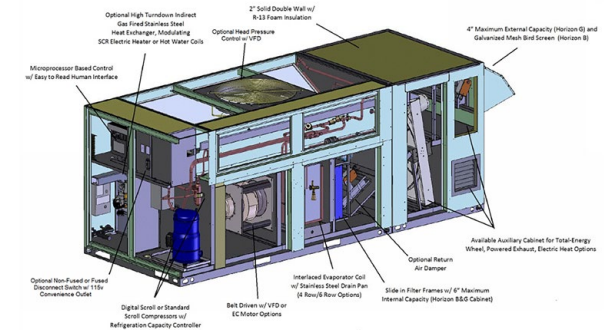
Nancy Brandenburg
Specifications
Consultant



Hampden County House of Corrections - Inmate Housing Tower



New Energy Recovery System Options Functional Diagram



New Energy Recovery System HVAC Equipment

HDR Architecture, P.C.

20

4. Prime Experience

HDR Architecture, P.C. (HDR)

Architect

Project Team:

Chad Reilly, Principal in Charge

Harold Levkowitz, Project Manager

Nancy Brandenburg, Specifications Consultant

Date Completed: June 2019

Location: Framingham, Massachusetts

Construction Cost: \$3.6 million

Client Contact Info: **Paul Ford**, Deputy Director
857.204.1380

617.727.4080 x 31380

paul.ford@state.ma.us

DCAMM Office of Design and Construction

1 Ashburton Place, 15th Floor

Boston, MA 02108

RELEVANCY TO THIS CONTRACT

Commonwealth Priorities

- Emergency-basis Rapid Response
- Time Sensitive Project
- Building Repairs or Renovation
- Resolve and Recommend New Window Systems
- Replacement for Correctional Facility

Scope of Work

- Study / Project Scope Determination
- Schematic Plans and Outline Specifications
- Design Development Plans and Specifications
- Construction Plans and Specifications
- Administration of Construction Contract
- Cost Estimating

Services

- Assess Existing Conditions
- Construction Bid Document Preparation
- DCAMM House Doctor Contract

Evaluation Factors

- Correctional Facility of Similar Size/Complexity
- Phased Construction
- High Security Requirements
- Rehabilitation & Programming
- DCAMM House Doctor Contract
- Diverse Project Team
- Energy Efficient Design
- Chapter 149 Delivery



DCAMM, MCI FRAMINGHAM COTTAGES WINDOW REPLACEMENT (FORMERLY SHERBORN REFORMATORY FOR WOMEN)

As one of the three facilities specifically referenced in DCAMM's Project Overview, MCI Framingham is the only public state correctional facility in the Commonwealth that exclusively houses female inmates. As such, the outdated facilities and infrastructure struggle to meet Criminal Justice Reform standards and restorative justice needs specific to incarcerated women in the Commonwealth. The scope of the project addressed deficiencies in four existing cottages. These cottages provided lower-level security as part of a "step-down" system for women who were preparing to transition out of the corrections system and back into society. The cottages were also the center of educational and substance abuse programs to assist the female inmates in addressing issues that resulted in their incarceration.

Under a separate Energy Upgrades initiative, the cottages tested positive for hazardous materials in the existing sixty-year-old exterior windows and immediate adjacent wall construction. The cottages had to be immediately vacated, causing significant disruption to the inmates and the restorative programs being administered. HDR provided architectural and engineering consultant services (including structural engineering) for recommended remediation and alterations to be performed on an **emergency basis to replace approximately 175 exterior window units and portions of wall construction**. HDR devised a solution that expedited window/wall removal and new window unit installation. The Project Team determined it would also be advantageous for HDR to provide building envelope design services and additional services for accessibility compliance improvements to all four buildings, including required accessible public bathrooms and accessible inmate cells. **HDR worked with DCAMM to expedite the design, document preparation and construction administration process** in a phased project approach to facilitate occupancy as soon as possible. HDR staff was dedicated to this project throughout each stage of work in coordination with DCAMM's Hazardous Materials Consultant, as well as the State Department of Public Safety Inspector and State Department of Corrections Staff. Existing unforeseen conditions encountered in the four 60-year-old buildings were addressed immediately by the project team and the contractor in a positive solution oriented process.



Chad Reilly
Principal in Charge



Harold Levkowitz
Project Manager



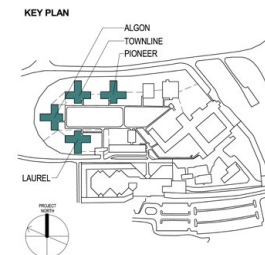
Nancy Brandenburg
Specifications
Consultant



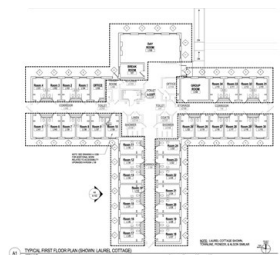
Existing Typical Cottage (New Windows)



New Mock-up Window Installation



Cottages Site Plan



Typical Cottage Plan

4. Prime Experience

HDR Architecture, P.C. (HDR)

Architect

Project Team:

Chad Reilly, Principal in Charge

Harold Levkowitz, Project Manager

Alan Fried, Project Manager for Design

Nancy Brandenburg, Specifications Consultant

Jim Gabel, Corrections Electronic Security Consultant

Date Completed: December 2022 estimated

Location: Cambridge, Massachusetts

Construction Cost: \$5.6 million

Client Contact Info:

Catherine Walsh, Project Manager

857.204.1443

Massachusetts DCAMM Office of Planning

1 Ashburton Pl., 15th floor

Boston, MA 02108

RELEVANCY TO THIS CONTRACT

Commonwealth Priorities

- DCAMM House Doctor Contract
- Executive Order 526 & 565 - Diverse Team

Scope of Work

- Study / Project Scope Determination
- Evaluation of Problems
- Assessment of Existing Conditions
- Cost Estimating

Services

- Certifiable Building Study
- Preliminary Study
- Schematic Plans and Outline Specifications (pending)
- Design Development Plans and Specs (pending)
- Construction Plans and Specifications (pending)
- Administration of Construction Contract (pending)

Evaluation Factors

- Phased Construction
- Security Requirements
- Diverse Project Team
- Chapter 149 Delivery

DCAMM, CAMBRIDGE THIRD STREET COURTHOUSE EXTERIOR ENVELOPE UPGRADES

Operated by the Trials Courts of the Commonwealth of Massachusetts, the Third Street Court is a ninety-year-old Courthouse which serves as both a juvenile and adult court. The elegant three-story masonry building houses multiple courtrooms, a detention holding area, and various administrative and public spaces, but is in disrepair and was built before contemporary standards for space use and accessibility. The building is located in East Cambridge on a small site - with limited vehicle parking - in a stately residential neighborhood adjacent to a designated Historic District. The courthouse's proximity to this Historic District requires careful attention to any alterations that impact the exterior appearance of the building.

Having undergone multiple renovations in the last thirty years, the Third Street Court now requires mechanical / electrical / plumbing and fire protection system replacements and improvements to address ongoing maintenance issues. Work on the exterior building envelope includes new windows, a new roofing system, and various masonry repairs. Interior alterations include accessibility improvements and Detention Center sight and sound separation enhancements. Upgrades to the building's security system are also required as a critical component of the Detention Center alterations.

HDR, together with AEI, B+AC, and Ellana Construction Consultants, provided Study services that include an overall building condition assessment and Schematic Design for all of the building components in need of either improvement or replacement. In addition, we provided construction cost estimates at various stages and project execution phasing, both of which are being thoroughly examined and tested against the project's stated needs and goals.

Our work on the Study was performed in close collaboration with the Trials Courts Facility Group as well as with DCAMM's project management staff. Following certification of the completed Study, construction bid documents and construction period services were provided by the same HDR staff that worked on the Study. This continuum of our staff from design, to documentation, to execution makes for a more efficient construction process, particularly with complex building renovations such as this.

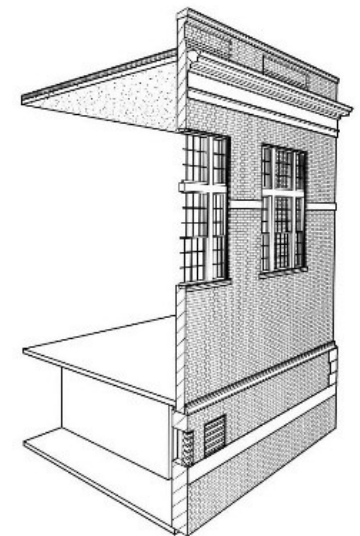
The project was publicly bid and construction is proceeding.



Courthouse Exterior



Courtroom Interior



Wall Section



Chad Reilly
Principal in Charge



Harold Levkowitz
Project Manager



Alan Fried
Project Manager
for Design



Nancy Brandenburg
Specifications
Consultant



Jim Gabel
Corrections
Electronic Security



4. Subconsultant Experience

AEI now IMEG

Mechanical Engineer (M/P/FP) | Electrical Engineer

Project Name: DCAMM, Middleton Jail & HOC, VOC Building Code Compliance Study

Location: **Middleton, Massachusetts**

Date Completed: **June 2024 est.**

Key Members: : **PIC/PM: Susan Wisler; James Shannon, Nick Ferzacca**

Construction Cost: **\$12.5 million**

Client Contact Info: **HDR, Harold Levkowitz
617.357.7790, Harold.Levkowitz@hdrinc.com**

Project Description:

This building is essential for ECSD to accommodate services that are not feasible elsewhere on campus. However, when the building was converted, it was not legally permitted for mixed-use occupancy (housing, business, storage). Under the proposed plans, the VOC Building can legally house 82 inmates within three housing units on the building's first floor. There are two primary goals for the renovation of the VOC Building – (1) to provide a legally permitted, code compliant facility, and (2) to ensure any mechanical upgrades are designed with energy efficiency in mind.

Project Relevance:

- House Doctor Contract work
- Executive Order 594 - Decarbonization
- Medium Security Requirements
- Lifecycle Cost Analysis
- Occupied Construction - considerations to maintain secured areas
- Existing Conditions Assessments
- Code Deficiency and Variance Reports
- Chapter 149A Delivery



Project Name: DCAMM, DOC Hampden County Women's Correctional Facility

Location: **Springfield, Massachusetts**

Date Completed: **May 2016**

Key Members: **PIC: Robin Greenleaf; PM: Susan Wisler**

Construction Cost: **\$25 million**

Client Contact Info: **Kleinfelder
Simone Brogini, 857.488.0097
SBrogini@kleinfelder.com**

Project Relevance:

- MEP/FP design and CA
- New 90,000 SF addition to accommodate greater quantity of residents and personnel in medium security facility
- Addition involved more space within the building's intake area, and a new resident building on the existing site
- New HVAC and mechanical systems
- New building equipped with sanitary and storm sewer systems
- Automatic fire suppression/sprinkler system
- Anti-ligature diffusers
- High-efficiency and reduced water use options achieved LEED Silver design in compliance with codes for correctional facilities
- BIM/Revit
- C149 Filed Sub-Bids



Project Name: DCAMM, DOC Hampden County (Men's) Correctional Facility HVAC Upgrades

Location: **Ludlow, Massachusetts**

Date Completed: **2024 estimated**

Key Members: **PIC/PM: Susan Wisler; James Shannon**

Construction Cost: **\$8.8 million estimated**

Client Contact Info: **HDR, Harold Levkowitz
617.357.7790, Harold.Levkowitz@hdrinc.com**

Project Description:

AEI provided the MEP portion of the DCAMM certifiable study to document and analyze the design of air handlers that were installed by a previous consultant in 2016 during a roof replacement project, and subsequently tasked to determine if the installation was code compliant and how to make adjustments as necessary. AEI determined the project did not meet code and developed an extensive certified study that convinced DCAMM and the building inspector to agree upon recommended upgrades. Design is forthcoming.

Project Relevance:

- MEP study, design and CA
- DCAMM Certifiable Study
- Emergency response task within client's HD contract
- Review suggestions in 2016 Action Plan
- to determine if suggestions were still applicable.
- Met with state inspector to discuss approach, desired outcome, and solutions
- Phased and occupied construction
- C149 Filed Sub-Bids



ARCHITECTURAL
ENGINEERS | now **IMEG**

4. Subconsultant Experience

AEI now IMEG

Mechanical Engineer (M/P/FP) | Electrical Engineer

Project Name: **DCAMM, Inmate Services Building, Middleton Jail**

Location: **Middleton, Massachusetts**

Date Completed: **2021 Estimated**

Key Members: **PIC/PM: Susan Wisler; James Shannon, Nick Ferzacca**

Construction Cost: **\$74 million estimated**

Client Contact Info: **HDR, Harold Levkowicz
617.357.7790, Harold.Levkowicz@hdrinc.com**

Project Description:

AEI is engaged with HDR in a study to determine the best approach for replacing the existing Inmate Services Building (ISB). Multiple options were provided to renovate or add to this and other facility buildings, while maintaining functions in alternative locations within the secure perimeter and to allow for new construction. AEI is developing alternate effective and efficient approaches for executing the projects from the MEP/FP viewpoint.

Project Relevance:

- MEP/FP study
- Existing conditions assessments
- Code deficiency and variance reports
- Considered add/reno, or demo & rebuild
- Occupied construction considered to maintain secure areas
- Recommendations for cost effective and efficient approach to MEP/FP upgrades
- DCAMM/User group study workshop
- Task under client's house doctor contract
- Life Cycle Cost Analysis
- C149(A) Delivery



Project Name: **DCAMM, Essex Jail & HOC-80 Bed, Housing Unit Façade Replacement**

Location: **Middleton, Massachusetts**

Date Completed: **2022 estimated**

Key Members: **PIC: Joel Goodmonson; PM: Susan Wisler; James Shannon, Nick Ferzacca**

Construction Cost: **\$2.75 million**

Client Contact Info: **Kleinfelder
Simone Brogini, 857.488.0097
SBrogini@kleinfelder.com**

Project Description:

AEI is currently finishing the design for MEP/FP improvements to the façade and air conditioning at the Essex Jail and House of Corrections. AEI worked with DCAMM and site and team personnel to discuss construction phasing and included it into the design approach to ensure proper security measures during construction. The process was re-evaluated after the start of COVID. The team also evaluated resiliency measures including the provision for 100% outside air energy recovery, to ensure the best indoor air quality possible for building residents, despite the pandemic. The project is located within a double-fenced secure perimeter.

Project Relevance:

- MEP/FP Design and CA
- Replacement of existing exterior envelope system with selected hybrid solution combining 2 different wall types
- Full replacement of exterior doors and windows
- Design for upgraded HVAC system, includes a new cooling and ventilating unit located outside of the building
- HVAC system upgraded as necessary to support new HVAC unit.
- Design and coordination for new security grade ceiling and lighting system
- c149 Filed Sub-Bids



4. Subconsultant Experience

B+AC, LLC

Structural Engineer

Project Name: **Massachusetts Correctional Institution – ADA Upgrades & Window Replacement**

Location: **Frammingham, Massachusetts**

Date Completed: **2018**

Key Members: **Balram Chamaria, P.E.**

Construction Cost: **\$2.4 million**

Client Contact Info: **HDR, Harold Levkowicz**
617.357.7790, Harold.Levkowicz@hdrinc.com

Project Description:

DCAMM House Doctor Project. Multiple projects were completed under this contract at Massachusetts Correctional Institute. The main focus of the project was window replacement and upgrades related to ADA compliance requirements. New exterior ramps were installed and structural stability of building during construction was evaluated. Analysis, design and CA services.

Project Relevance:

- DCAMM Project
- Correctional Facility
- Same Site as DCAMM 20-01
- Teamed as a Consultant for HDR on this Project
- Energy Related Renovations/Repairs



Project Name: **Middleton House of Corrections – VOC Building Study**

Location: **Middleton, Massachusetts**

Date Completed: **2022 estimated**

Key Members: **Balram Chamaria, P.E.**

Construction Cost: **TBD**

Client Contact Info: **HDR, Harold Levkowicz**
617.357.7790, Harold.Levkowicz@hdrinc.com

Project Description:

The existing Vocational (VOC) Building is a two story modular facility built in the 1990's. The building is about 33,800 GSF with a steel-framed superstructure. Due to an occupancy change, the building is required to be re-classified as Risk Category III rather than the original classification of Risk Category II. This change in classification requires a detailed structural code review and analysis and recommendations for short term solutions. DCAMM intends to complete this study within 6 weeks of authorization.

Project Relevance:

- DCAMM Project
- Correctional Facility
- Teamed as a Consultant for HDR on this Project
- Renovations/Repairs



Project Name: **Hampden County House of Corrections – Energy Study**

Location: **Ludlow, Massachusetts**

Date Completed: **2021 estimated**

Key Members: **Balram Chamaria, P.E.**

Construction Cost: **\$8 million estimated**

Client Contact Info: **HDR, Harold Levkowicz**
617.357.7790, Harold.Levkowicz@hdrinc.com

Project Description:

A DCAMM House Doctor. Code deficiency study was conducted on eight of the buildings at this medium security house of correction facility. Structural scope includes review of both structural systems and conditions as well as an analysis of existing structures for new HVAC equipment being proposed to rectify code issues. Fast-tracked construction.

Project Relevance:

- DCAMM Project
- Correctional Facility
- Teamed as a Consultant for HDR on this Project
- Study / Assessments
- Energy Efficiencies



4. Subconsultant Experience

B+AC, LLC

Structural Engineer

Project Name: **Third St. District Court – Upgrades HD**

Location: **Cambridge, Massachusetts**

Date Completed: **2022 estimated**

Key Members: **Balram Chamaria, P.E.**

Construction Cost: **\$6 million**

Client Contact Info: **HDR, Harold Levkowitz**
617.357.7790, Harold.Levkowitz@hdrinc.com

Project Description:

A state-owned courthouse built in 1933. It is a reinforced masonry, wood, and metal frame structure of 42,000 sq ft on three levels. Addressing the facility's most pressing physical needs, the scope of this House Doctor project includes assessments for rooftop dunnage relating to MEP modifications/replacements, roof replacement, window replacement, parapet support, addressing a lintel of concern on the north side, cupula condition, and two walls being modified for a detention area.

Project Relevance:

- DCAMM Project
- Teamed as a Consultant for HDR on this Project
- Assessments
- Energy Upgrade Renovations/Repairs



Project Name: **Hudson Armory – Roof Replacement HD**

Location: **Hudson, Massachusetts**

Date Completed: **2017**

Key Members: **Balram Chamaria, P.E.**

Construction Cost: **\$550,000**

Client Contact Info: **HDR, Harold Levkowitz**
617.357.7790, Harold.Levkowitz@hdrinc.com

Project Description:

The project featured 14,000 sq ft of roof replacement in addition to several small scale upgrades. Originally Armory itself was built in 1910 with masonry walls and timber framing. The structural engineering services included conditions assessment, structural consulting on roofing options, assessment of moisture and leakage related damage, and structural code review. A DCAMM House Doctor project.

Project Relevance:

- DCAMM / Public Project
- Teamed as a Consultant for HDR on this Project
- Assessments
- Energy Related Renovations/Repairs



4. Subconsultant Experience

Nitsch Engineering, Inc.

Civil Engineer

Project Name: **DCAMM, Middleton Jail & HOC, VOC Building Code Compliance Study**

Location: **Middleton, Massachusetts**

Date Completed: **June 2024 est.**

Key Members: : **PM: William Maher, PE, LSIT**

Construction Cost: **\$12.5 million**

Client Contact Info: **HDR, Harold Levkowicz
617.357.7790, Harold.Levkowicz@hdrinc.com**

Project Description:

This building is essential for ECSD to accommodate services that are not feasible elsewhere on campus. However, when the building was converted, it was not legally permitted for mixed-use occupancy (housing, business, storage). Under the proposed plans, the VOC Building can legally house 82 inmates within three housing units on the building's first floor. There are two primary goals for the renovation of the VOC Building – (1) to provide a legally permitted, code compliant facility, and (2) to ensure any mechanical upgrades are designed with energy efficiency in mind.

Project Relevance:

- House Doctor Contract work
- Executive Order 594 - Decarbonization
- Medium Security Requirements
- Lifecycle Cost Analysis
- Occupied Construction - considerations to maintain secured areas
- Existing Conditions Assessments
- Code Deficiency and Variance Reports
- Chapter 149A Delivery



Project Name: **Middleton Jail, Inmate Services Building Replacement**

Location: **Middleton, Massachusetts**

Date Completed: **June 2024 estimated**

Key Members: **PM: William Maher, PE, LSIT**

Construction Cost: **\$39 million**

Client Contact Info: **HDR, Harold Levkowicz
617.357.7790, Harold.Levkowicz@hdrinc.com**

Project Description: Providing civil engineering services for Middleton Jail Facility. Reviewed record documents and conducting interviews with facilities personnel staff for preparation of an existing conditions utilities report. Preparing conceptual design drawings of the site layout, grading, and site utility improvements. Preparing a Conceptual Site Engineering Narrative of Nitsch's site utility improvement recommendations and will update to reflect Client's preferred development alternative. Preparing final Conceptual Site Utility Plan reflecting Client's preferred development alternative. Reviewing cost estimates relative to Nitsch's site design elements for preferred option.

Project Relevance:

- Provided civil engineering services
- Correctional facility project experience
- Experience working with DCAMM
- Experience working with HDR



Project Name: **Worcester County Jail and House of Correction**

Location: **West Boylston, Massachusetts**

Date Completed: **2019**

Key Members: **PIC: Gary F. Pease, PE, LEED AP**

Construction Cost: **\$20 million**

Client Contact Info:

**Kristine Gorman (formerly of STV, Inc.) Jacobs,
(617) 242-9222, Kristine.Gorman@jacobs.com**

Project Description:

Provided civil engineering services for the combined intake, medical, and regional lock-up at the Worcester County Jail and House of Correction. Observed current site surface conditions in order to identify constraints and issues related to site topography, site utilities, and site layout. Reviewed local bylaws and attended meetings with Town of West Boylston staff to determine permitting requirements. Reviewed State/Federal regulations pertaining to site permitting requirements.

Project Relevance:

- Provided civil engineering services
- Correctional facility project experience
- Experience working with DCAMM



4. Subconsultant Experience

Nitsch Engineering, Inc.

Civil Engineer

Project Name: **Haverhill District Court**

Location: **Haverhill, Massachusetts**

Date Completed: **2018**

Key Members: **PM: William Maher, PE, LSIT;**

PIC: Gary Pease, PE, LEED AP

Construction Cost: **\$8.2 million**

Client Contact Info: **Lauren Boylan, Elkus Manfredi**

Architects, (617) 426-1300,

lboylan@elkus-manfredi.com

Project Description:

Provided civil engineering services for the renovation of the existing courthouse building with an addition for an elevator and reconstruction of the parking lot. Designed new utilities for the addition (drainage) and new gas and electric utilities (transformer and generator).

Project Relevance:

- Provided civil engineering services
- Experience working with DCAMM



Project Name: **Chelsea Soldiers' Home**

Location: **Chelsea, Massachusetts**

Date Completed: **Ongoing**

Key Members: **PM: William Maher, PE, LSIT;**

PIC: Gary Pease, PE, LEED AP

Construction Cost: **Unknown**

Client Contact Info: **Jennifer Hegarty,**

Payette Associates, Inc., (617) 895-1000,

jhegarty@payette.com

Project Description:

Providing civil engineering services for Fire Alarm, Life Safety & Emergency Generator Upgrades. Also responsible for the utility design, construction administration, and permitting with the Chelsea Department of Public Works.

Project Relevance:

- Provided civil engineering services
- Experience working with DCAMM



4. Subconsultant Experience

Ground

Landscape Architect

Project Name: **Women's Recovery from Addiction Program. Taunton State Hospital**

Location: **Taunton, Massachusetts**

Date Completed: **2017**

Key Members: **Shauna Gillies-Smith (PIC)**

Construction Cost: **\$450,000 (Est.)**

Client: **Taunton State Hospital**

Architect Contact Info: **Studio G Architects**

Gail Sullivan

617.524.5558

gails@studiogarchitects.com

Project Description: The overriding goal of the design is to provide a place of healing and peace in a safe and inspiring way. The two courtyards are designed to respond to different stages of addiction recovery.

One courtyard is planned as a healing garden for the intensive detoxification stage.

The other courtyard is designed for more active recreation and programmed use, corresponding with a later stage of recovery.

Project Relevance:

- Sustainability – Native, drought tolerant planting palette. No artificial irrigation needed. LED energy efficient lighting.
- Accessibility – Universal accessibility across the grades.
- Cost / Function – Durable and low maintenance landscape, with typical materials used in less typical ways.



Project Name: **Salem State University: Mainstage Theater Renovation**

Location: **Salem, Massachusetts**

Date Completed: **2015**

Key Members: **Shauna Gillies-Smith (PIC)**

Construction Cost: **\$525,000**

Client: **Massachusetts Division of Capital Asset Management**

Architect Contact Info: **Leers Weinzapfel Assoc.**

Andrea Leers, 617.423.5711

apleers@lwa-architects.com

Project Description: A renovation of the landscape surrounding Salem State's Mainstage Theatre hall. Improvements include theater access, hard and soft outdoor space, and an outdoor theatre area. Universal design has been a major driver of the landscape solutions.

Project Relevance:

- Accessibility – Sloped walkway is the prominent access to the building, thus allowing the stair to double as an outdoor performance space for the theatre students
- Sustainability – Permeable pavers, drought tolerant plants and black locust wood decking are only some of the sustainable features being pursued in the project.



Project Name: **MassArt Residence Hall**

Location: **Boston, Massachusetts**

Date Completed: **2012**

Key Members: **Shauna Gillies-Smith (PIC)**

Construction Cost: **\$1,700,000**

Client: **MA State College Building Authority**

Architect Contact Info: **ADD Inc./Stantec**

B.K. Boley, 617.234.3100

BK.Boley@stantec.com

Project Description:

Full service landscape architecture services for the entry plaza for a new signature residence hall along Huntington Avenue. Scope includes, renovation to the roadway, grading, paving, custom seating and lighting, planting, irrigation stairs, accessible walkways, ramps and rails. The curved seatwalls provide a multitude of gathering options: places for couples, small group, and class size meeting.

Project Relevance:

- Engagement / Collaboration – The design resulted from an intense public process including student focus groups, charrettes, and multiple design meetings.
- Sustainability – LED energy efficient lighting. Native, draught tolerant planting.
- Cost / Function – Brick pavers around the seatwalls function as skate deterrent, improving durability of the landscape



ground

4. Subconsultant Experience

Ground

Landscape Architect

Project Name: **Tufts University Innovation Center**

Location: **Medford, Massachusetts**

Date Completed: **2015**

Key Members: **Shauna Gillies-Smith (PIC)**

Construction Cost: **N/A**

Client: **Tufts University**

Architect Contact Info: **ADD Inc./Stantec**

B.K. Boley

617.234.3100

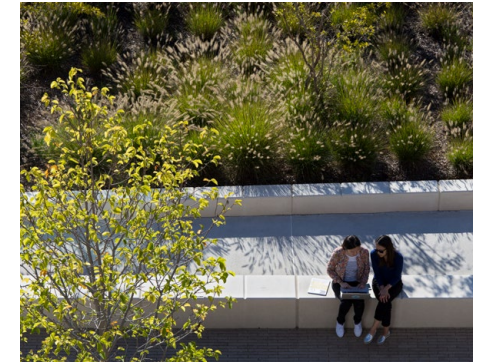
BK.Boley@stantec.com

Project Description:

The transformation of an existing parking lot into the central social area for the Tuft's University East Campus and Innovation Center. The landscape was designed to introduce a variety of seating and meeting spaces. The goal was to forefront sustainability and as such includes rain gardens, pervious pavers, native plantings, and bike parking.

Project Relevance:

- Accessibility – Universal accessibility across the grades.
- Cost / Function – Durable and low maintenance landscape, with typical materials used in less typical ways.
- Sustainability – Porous paving in the plaza, predominantly native planting, ample covered bicycle parking, and a terraced rain garden.



Project Name: **University Crossing, UMass Lowell**

Location: **Lowell, Massachusetts**

Date Completed: **2014**

Key Members: **Shauna Gillies-Smith (PIC)**

Construction Cost: **\$1,500,000**

Client: **University of Massachusetts, Lowell, Building Authority**

Architect Contact Info: **Perkins + Will**

Yanel de Angel

617.406.3420

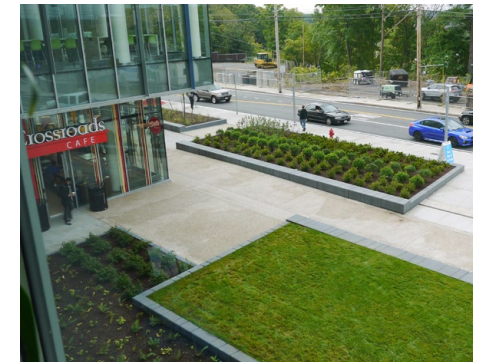
Yanel.deAngel@perkinswill.com

Project Description:

The landscape for a new campus center inspired by the striated geology of the rocky bank of the adjacent Merrimack River. Seating terraces and large planting zones are articulated by precast seatwalls that help to provide gathering areas and universal access.

Project Relevance:

- Sustainability – Native, drought tolerant planting palette. LED energy efficient lighting.
- Engagement / Collaboration – Intense community engagement process helped shaping the design.
- Accessibility – Universal Access grading solution that keep walkways under 5% with cross-slopes and plazas under 2%.



ground

4. Subconsultant Experience

HDR Architects and Engineers, P.C. (HDR)

Specifications Consultant

Project Name: DCAMM, MCI Framingham Cottage Window Replacement

Location: **Framingham, Massachusetts**

Date Completed: **2019**

Key Members: **Nancy Brandenburg**

Construction Cost: **\$3.6 million**

Client Contact Info: **DCAMM, Paul Ford,
617.727.4080 x 31380**

Project Description:

HDR provided emergency A/E services to DCAMM to replace existing windows in four inmate housing units on the campus of this state correctional facility. Building accessibility code compliance upgrades for each building were included within the project scope of work.

Project Relevance:

- DCAMM Project
- Expedited Project Deliver
- Chapter 149 Project
- Construction Document / Construction Period Services
- DCAMM Specifications



Project Name: Essex County Sheriff's Department, Middleton Jail and House of Corrections, Replacement of Inmate Services Building

Location: **Middleton, Massachusetts**

Date Completed: **December 2025 estimated**

Key Members: **Nancy Brandenburg**

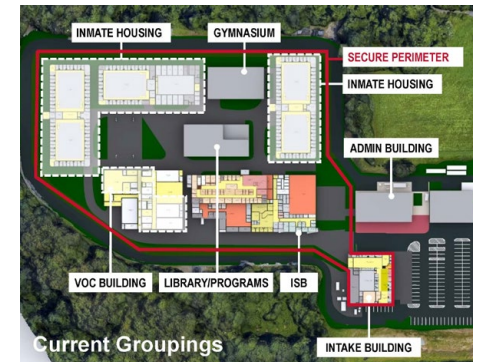
Construction Cost: **\$39 million**

Client Contact Info: **Rob Ricchi, Project Manager
857.319.4380**

Project Description: The existing Inmate Services Building, housing the Food Service/Dining, Medical Infirmary, Visitation, Video Court, Female Transitional Housing, and Administrative Support programs, requires replacement. HDR is currently engaged in a Study for the replacement of these programs, which may require 110,000 square feet of new building area. The project scope includes development of a long-term master plan to right-size the facility for current and projected inmate populations.

Project Relevance:

- Provision of Best Practices Health Program
- Replacement of Critical Inmate Support Programs
- Allowance for Facility Development
- Correctional Facility Project
- Energy Efficient Design
- Chapter 149 Delivery



Project Name: Hampden County House of Corrections HVAC System Deficiency Study/Alterations

Location: **Ludlow, Massachusetts**

Date Completed: **June 2020 (Study)
March 2024 estimated (Project)**

Key Members: **Nancy Brandenburg**

Construction Cost: **\$6.96 million estimated**

Client Contact Info: **Shawna Correll, Project Manager**

M: 857.329.2856

shawna.correll@mass.gov

Project Description:

DCAMM requested HDR to review the existing equipment installation, system conditions/design as developed by the prior project team, and code compliance issues on a preliminary basis to make recommendations on potential corrective measures. HDR provided preliminary information and prepared a requested Study which has been Certified by DCAMM. The Study provided a thorough review of various system, code issues (including accessibility for potential actionable items), recommendations for alternative HVAC equipment, cost estimation, and phased installation of work schedule.

Project Relevance:

- Energy Efficient Design
- Chapter 149 Delivery
- Building Repairs or Renovation
- Resolve and Recommend HVAC System Corrective Measures
- DCAMM House Doctor Contract



4. Subconsultant Experience

HDR Architects and Engineers, P.C. (HDR)

Specifications Consultant

Project Name: **DCAMM, Cambridge Third Street Courthouse Exterior Envelope Study**

Location: **Cambridge, Massachusetts**

Date Completed: **December 2022 estimated**

Key Members: **Nancy Brandenburg**

Construction Cost: **\$5.6 million**

Client Contact Info: **DCAMM,
Amy Winter, Project Manager
857.204.1842**

Project Description:

Having undergone multiple renovations in the last thirty years, the Third Street Court now requires mechanical / electrical / plumbing and fire protection system replacements and improvements to address ongoing maintenance issues. Work on the exterior building envelope includes new windows, a new roofing system, and various masonry repairs. Interior alterations include accessibility improvements and Detention Center sight and sound separation enhancements. Upgrades to the building's security system are also required as a critical component of the Detention Center alterations.

Project Relevance:

- DCAMM Project
- Building Assessment
- Study, Construction Documents, and Construction Period Services
- Chapter 149 Project
- DCAMM Specifications



Project Name: **DCAMM, Office of the Chief Medical Examiner, Central and Western Massachusetts Medical Examiners Operations Facility**

Location: **Westfield, Massachusetts**

Date Completed: **June 2019**

Key Members: **Nancy Brandenburg**

Construction Cost: **\$10.8 million**

Client Contact Info: **Deborah Kennedy,
857.753.2618,deborah.kennedy@state.ma.us**

Project Description: This Office of the Chief Medical Examiner, Central and Western Massachusetts Medical Examiners Operations Facility was completed for the Office of Planning, Design and Construction of the Division of Capital Asset Management and Maintenance (DCAMM), Commonwealth of Massachusetts, in accordance with Massachusetts General Law. HDR also prepared the Certifiable Building Study that preceded this new building project, which provided a clear and detailed frame of reference for the design and implementation process. In addition, the Study recommended a building and site solution in complete alignment with the established project budget.

Project Relevance:

- DCAMM Project
- Certifiable Building Study
- Schematic Design Development, Construction Documents, and Construction Period Services
- Chapter 149 Project
- DCAMM Specifications



4. Subconsultant Experience

Ellana, Inc.

Cost Estimator

Project Name: **DCAMM, Middleton Jail & HOC, VOC Building Code Compliance Study**

Location: **Middleton, Massachusetts**

Date Completed: **June 2024 est.**

Key Members: : **Clive Tysoe**

Construction Cost: **\$12.5 million**

Client Contact Info: **HDR, Harold Levkowicz**
617.357.7790, Harold.Levkowicz@hdrinc.com

Project Description:

This building is essential for ECSD to accommodate services that are not feasible elsewhere on campus. However, when the building was converted, it was not legally permitted for mixed-use occupancy (housing, business, storage). Under the proposed plans, the VOC Building can legally house 82 inmates within three housing units on the building's first floor. There are two primary goals for the renovation of the VOC Building – (1) to provide a legally permitted, code compliant facility, and (2) to ensure any mechanical upgrades are designed with energy efficiency in mind.

Project Relevance:

- House Doctor Contract work
- Executive Order 594 - Decarbonization
- Medium Security Requirements
- Lifecycle Cost Analysis
- Occupied Construction - considerations to maintain secured areas
- Existing Conditions Assessments
- Code Deficiency and Variance Reports
- Chapter 149A Delivery



Project Name: **DCAMM, MCI Framingham Cottages Window Replacement**

Location: **Framingham, Massachusetts**

Date Completed: **2019**

Key Members: **Clive Tysoe**

Construction Cost: **\$4.7 million**

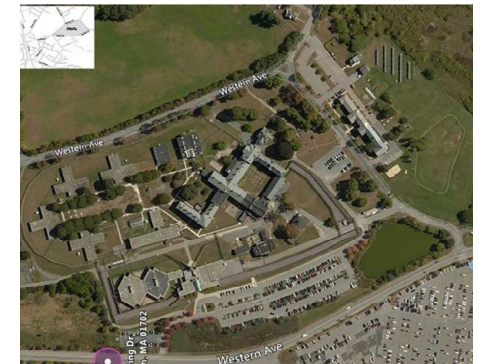
Client Contact Info: **HDR, Harold Levkowicz**
617.357.7790, Harold.Levkowicz@hdrinc.com

Project Description:

This project involved assisting to provide cost estimating at the study level and 90% CD phase for the replacement of windows MCI Framingham.

Project Relevance:

- Cost Estimating
- House Doctor Contract
- Medium Security Requirements
- Chapter 149 Delivery



Project Name: **DCAMM, Hampden County HOC HVAC**

Location: **Ludlow, Massachusetts**

Date Completed: **2019**

Key Members: **Clive Tysoe**

Construction Cost: **\$6 million**

Client Contact Info: **HDR, Harold Levkowicz**
617.357.7790, Harold.Levkowicz@hdrinc.com

Project Description:

This project involves providing estimates for upgrading the HVAC systems at the Hampden County Correctional Center. The facility has many HVAC code and operational deficiencies with the HVAC system. A detailed survey was completed, listing the issues, and Ellana provide cost information for the deficiencies. The estimates were provided for the three individual towers, and also the Annex buildings.

Project Relevance:

- Cost Estimating
- House Doctor Contract
- Medium Security Requirements
- Chapter 149 Delivery



4. Subconsultant Experience

Ellana, Inc.

Cost Estimator

Project Name: **DCAMM, Middleton Jail ISB Replacement Study**

Location: **Middleton, Massachusetts**

Date Completed: **2020**

Key Members: **Clive Tysoe**

Construction Cost: **\$39 million**

Client Contact Info: **HDR, Harold Levkowicz**
617.357.7790, Harold.Levkowicz@hdrinc.com

Project Description:

This project involves providing cost estimating services for the current 2-level Middleton Jail Inmate Services Building Replacement study. The purpose of this project is to assess the building to identify alternative approaches to the project phasing and development.

Project Relevance:

- Cost Estimating
- Medium Security Requirements
- Lifecycle Cost Analysis
- Occupied construction considered to maintain secured areas
- Chapter 149A Delivery



Project Name: **DCAMM, Lindemann Building Bathroom Renovations, Phase I and Phase II**

Location: **Boston, Massachusetts**

Date Completed: **2020**

Key Members: **Clive Tysoe**

Construction Cost: **\$1 million**

Client Contact Info: **Alan Fried**
617.357.7760
Alan.fried@hdrinc.com

Project Description:

Ellana performed cost estimating for this project at the Lindemann Building in downtown Boston. Both phases involved design alterations for the third floor bathrooms within the building. The bathrooms, which are a part of the Department of Mental Health's space, were in need of fixture upgrades, several MEP/FP upgrades, and some light architectural upgrades.

Project Relevance:

- Cost Estimating
- House Doctor Contract
- Chapter 149 Delivery



4. Subconsultant Experience

Jensen Hughes, Inc.

MA Building Code Consultant

Project Name: **Essex County House of Corrections
Inmate Services Building**

Location: **Middleton, Massachusetts**

Date Completed: **Ongoing**

Key Members: **Todd Pearson**

Construction Cost: **\$39 million**

Client Contact Info: **HDR, Harold Levkowicz
617.357.7790, Harold.Levkowicz@hdrinc.com**

Project Description:

Providing fire protection and life safety code consulting services for the Essex County House of Corrections Vocational / Inmate Housing Building. The existing two-story building is approximately 33,800 gross square feet. Each of the two levels of the Building contain inmate holding / sleeping areas, inmate restrooms and showers, employee offices and building support spaces. A review use study was requested for the current occupancy of the Building.

Project Relevance:

Example of code consulting services provided for a correctional facility and successful teaming with prime applicant, HDR.

Chapter 149A Delivery



Project Name: **Wareham District Court**

Location: **Wareham, Massachusetts**

Date Completed: **2020**

Key Members: **Todd Pearson, Eric Cote**

Construction Cost: **N/A**

Client Contact Info: **Kleinfelder**

Audrey Stuart

(617) 497-7800

astuart@kleinfelder.com

Project Description:

Provided Building Code Consulting services, which included a comprehensive, detailed building evaluation, code review for Chapter 34 780 CMR, recommendations on systems upgrades for Fire Life Safety evaluations, including egress and structural recommendations as well.

Project Relevance:

Example of code consulting services provided for a judicial facility.



Project Name: **DCAMM, Middleton Jail & HOC, VOC
Building Code Compliance Study**

Location: **Middleton, Massachusetts**

Date Completed: **June 2024 est.**

Key Members: **: Todd Pearson, Eric Cote**

Construction Cost: **\$12.5 million**

Client Contact Info: **HDR, Harold Levkowicz
617.357.7790, Harold.Levkowicz@hdrinc.com**

Project Description:

This building is essential for ECSD to accommodate services that are not feasible elsewhere on campus. However, when the building was converted, it was not legally permitted for mixed-use occupancy (housing, business, storage). Under the proposed plans, the VOC Building can legally house 82 inmates within three housing units on the building's first floor. There are two primary goals for the renovation of the VOC Building – (1) to provide a legally permitted, code compliant facility, and (2) to ensure any mechanical upgrades are designed with energy efficiency in mind.

Project Relevance:

- House Doctor Contract work
- Executive Order 594 - Decarbonization
- Medium Security Requirements
- Lifecycle Cost Analysis
- Occupied Construction - considerations to maintain secured areas
- Existing Conditions Assessments
- Code Deficiency and Variance Reports
- Chapter 149A Delivery



4. Subconsultant Experience

Jensen Hughes, Inc.

MA Building Code Consultant

Project Name: **Massachusetts Department of Youth Services**

Location: **Taunton, Massachusetts**

Date Completed: **2020**

Key Members: **Todd Pearson**

Construction Cost: **Unknown**

Client Contact Info: **Architectural Engineers, Inc.**

Nick Ferzacca

617-542-0810

nferzacca@arcengrs.com

Project Description:

Provided fire protection, life safety, and accessibility code consulting services for the proposed immediate air conditioning project at the Department of Youth Services (DYS) Goss Building in Taunton, MA. The Building consists of classrooms, faculty and administrative offices, observation rooms, teaching clinics, and sleeping units. The project provided air conditioning to the sleeping units, utilizing permanent mechanical duct work connected to rental air conditioning units located at the exterior of the building.

Project Relevance:

Example of code consulting services for a judicial facility.



Project Name: **Woburn District Court**

Location: **Woburn, Massachusetts**

Date Completed: **2020**

Key Members: **Eric Cote**

Construction Cost: **N/A**

Client Contact Info: **Kleinfelder**

Audrey Stuart

617-497-7800

astuart@kleinfelder.com

Project Description:

Provided building code consulting services, review and evaluation for the HVAC and window replacement study for the Woburn District Court. This included site inspections and existing condition investigations and analysis for electrical panels to support HVAC systems and address the condition of the existing fire alarm system.

Project Relevance:

Example of code consulting services for a judicial facility.



4. Subconsultant Experience

CDW Consultants, Inc.

Hazardous Materials Consultant

Project Name: **DCAMM State Hospital**

Location: **Westfield, Massachusetts**

Date Completed: **2017**

Key Members: **Kathleen Campbell, PIC;**
Susan Cahalan, Hazardous Materials Specialist

Construction Cost: **Unknown**

Client Contact Info: **Harold Levkowicz**

HDR

617.357.7790

Harold.Levkowicz@hdrinc.com

Project Description:

Performed hazardous building materials survey, work plans preparation, and monitoring and oversight for the abatement of materials including preliminary hazardous building materials survey on discovered utility tunnels and foundations and in subsurface to identify and quantify asbestos-containing building materials (ACM), as well as preparation and submitting of works plans, securing disposal facility approvals.

Project Relevance:

Strong subconsultant relationship with the Prime HDR. Work performed under Statewide Contract PRF69.



Project Name: **DCAMM Templeton Development Center**

Location: **Templeton, Massachusetts**

Date Completed: **Current**

Key Members: **Kathleen Campbell, PIC**

Construction Cost: **Unknown**

Client Contact Info: **Michael Camoscio**

STV, Inc.

617-303-1135

michael.camoscio@stvinc.com

Project Description:

Removal of underground storage tanks on the property (UST). CDW is providing LSP support to manage the presence of an IRA condition from the UST as required by the MCP. Design & construction phase services include preparing specs for the abatement, remediation, material management, and legal disposal of materials for the demolition project. Preparing demolition plans and review of final construction drawings for demolition. Workplan for the bulk loading of asbestos containing material for abatement project.

Project Relevance:

DCAMM project for which plans are submitted to Mass DEP for review and approval.



(Photo at right: "Before" site photo to document where above-ground pipes, manhole covers, and large trees are to be placed.)

Project Name: **Middlesex House of Correction**

Location: **Billerica, Massachusetts**

Date Completed: **2015**

Key Members: **Kathleen Campbell, PIC;**
Susan Cahalan, Hazardous Materials Specialist

Construction Cost: **Unknown**

Client Contact Info: **Steve Habeeb**

Habeeb & Associates

781-871-9804

shabeeb@habeebarch.com

Project Description:

Performed on-the-ground topographical survey at Community Work Building, locating existing spot grade elevations at a distance of 6 feet off exterior wall around entire perimeter of building for use in determining mean grade level. Prepared plan showing spot grades measured and table showing calculations performed.

Project Relevance:

DCAMM project. Team is experienced in inter-agency coordination and reporting procedures for complex projects in the Commonwealth of Massachusetts. This is one of the 17 Sheriff's Facilities under the umbrella of the DCAMM House Doctor contract for DOC.



4. Subconsultant Experience

CDW Consultants, Inc.

Hazardous Materials Consultant

Project Name: **MA State Police Academy**

Location: **New Braintree, Massachusetts**

Date Completed: **2015**

Key Members: **Kathleen Campbell, PIC;**
Susan Cahalan, Hazardous Materials Specialist

Construction Cost: **Unknown**

Client Contact Info: **Ms. Danelle Tudor**
DCAMM, Office of Facility Maintenance and
Management
617-727-4050
Danelle.tudor@state.ma.us

Project Description:

Hazardous materials sampling of potential ACM at two boilers and piping. Collected samples of potential ACM from homogeneous areas and submitted to a certified laboratory for analysis by polarized light microscopy. Prepared report of results. Conducted roof drainage study.

Project Relevance:

DCAMM project.



Project Name: **Medfield State Hospital**

Location: **Medfield, Massachusetts**

Date Completed: **2013**

Key Members: **Kathleen Campbell, PIC;**
Susan Cahalan, Hazardous Materials Specialist

Construction Cost: **Unknown**

Client Contact Info: **John O'Donnell**
Deputy Director, DCAMM
617-727-4050
john.odonnell@state.ma.us

Project Description:

CDW provided professional services during the design and construction phases of this demolition project including preparation of construction documents for the abatement and demolition of multiple buildings; reviewing and approval of shop drawings and samples, payment requisitions, and other construction documents. Conducted inspections of construction activities and dust monitoring during demolition. Prepared record drawings from final as-builts.

Project Relevance:

The DOC project states one of the major design aspects continues to be the development of a logical sequence of renovations, additions, demolition, and new construction.



4. Subconsultant Experience

HDR Architecture, Inc. (HDR)

Corrections Security Consultant

Project Name: **Essex County Sheriff's Department, Middleton Jail and House of Corrections, Replacement of Inmate Services Building**

Location: **Middleton, Massachusetts**

Date Completed: **June 2024 estimated**

Key Members: **Jim Gabel, Electronic Security**

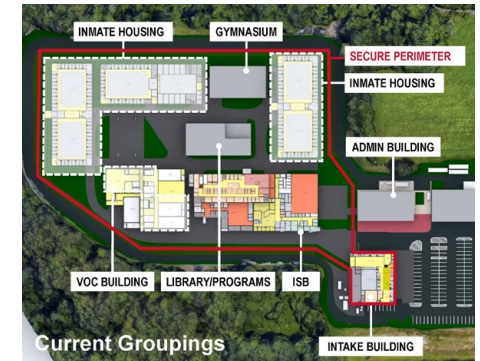
Construction Cost: **\$39 million**

Client Contact Info: **Rob Ricchi, Project Manager**
857.319.4380

Project Description: The existing Inmate Services Building, housing the Food Service/Dining, Medical Infirmary, Visitation, Video Court, Female Transitional Housing, and Administrative Support programs, requires replacement. HDR is currently engaged in a Study for the replacement of these programs, which may require 110,000 square feet of new building area. The project scope includes development of a long-term master plan to right-size the facility for current and projected inmate populations.

Project Relevance:

- Provision of Best Practices Health Program
- Replacement of Critical Inmate Support Programs
- Allowance for Facility Development
- Correctional Facility Project
- Energy Efficient Design
- Chapter 149 Delivery



Project Name: **Franklin County Corrections Center**

Location: **Columbus, Ohio**

Date Completed: **June 2021 estimated**

Key Members: **Jim Gabel, Electronic Security**

Construction Cost: **\$400 million estimated (all phases)**

Client Contact Info: **Chief Deputy Geoff Stobart**
614.525.5094

gstobar@franklincountyohio.gov

Project Description: Every part of the jail was re-imagined in order to develop a more intentional, coordinated, and robust process of intake, assessment, program matching, service tracking, behavioral incentivization, and transition planning for inmates. The objective of this holistic approach for treating inmates while in custody is to reduce recidivism and create a healthier and safer community. The FCCC was programmed and is being designed and constructed in two phases. The trauma-informed jail addresses the neuroscientific, psychological, and physical realities surrounding every element of incarceration and attempts to remove as many traumatizing elements as possible.

Project Relevance:

- Correctional Facility Project
- Women-focused Rehabilitation & Programming
- Improve Access to Behavioral Health Treatment
- Significant Public Outreach
- Normalized Environments / Clinical Treatment Focus
- Diverse Project Team
- Energy Efficient Design



Project Name: **Illinois Department of Corrections, In-Patient Treatment Facility**

Location: **Joliet, Illinois**

Date Completed: **December 2021 estimated**

Key Members: **David Deason, Physical Security;**
Jim Gabel, Electronic Security

Construction Cost: **\$150 million estimated**

Client Contact Info: **Marcus Hardy, Executive Chief**
815.727.3607

marcus.hardy@illinois.gov

Project Description: The State of Illinois sought to design and build an in-patient treatment facility that would establish a new standard nationwide for the delivery of health services in a secure environment. The setting for individual treatment units utilizes abundant daylight, natural materials, and therapeutic colors. The HDR team administered refinements to the conceptual design to ensure compliance with Illinois Department of Public Health and Facility Guidelines Institute standards for a medical facility. The 180,000-square-foot facility provides 150 mental health beds, 50 medical beds, and support spaces, including an administration building, medical clinic, staff areas, laundry, kitchen and central utility plant.

Project Relevance:

- Correctional Facility Project
- Women-focused Rehabilitation & Programming
- Improve Access to Behavioral Health Treatment
- Normalized Environments / Clinical Treatment Focus
- Significant Public Outreach
- Diverse Project Team
- Energy Efficient Design



4. Subconsultant Experience

HDR Architecture, Inc. (HDR)

Corrections Security Consultant

Project Name: **Ventura County, Todd Road Jail Health and Programming Unit**

Location: **Ventura, California**

Date Completed: **2021**

Key Members: **David Deason, Physical Security;**
Jim Gabel, Electronic Security

Construction Cost: **\$50 million estimated**

Client Contact Info: **Sletten, Dan Eden**

702.739.8770

deden@sletten.com

Project Description: The new Todd Road Jail Health and Programming Unit (TRJHPU) will be built on a site adjacent to the existing jail facility. The 64-bed expansion offers a more holistic approach to treatment for those inmate-patients with medical/mental health needs. The primary focus is treatment in a therapeutic healthcare environment with a custody overlay. Security staff will be present to ensure safety of staff and inmate patients and will work in partnership with medical and mental healthcare staff. Increased program space is provided to allow treatment staff to implement programs for the specific needs of inmate-patients with a continuum of care not only within the facility but through release.

Project Relevance:

- Correctional Facility Project
- Improve Access to Behavioral Health Treatment
- Normalized Environments / Clinical Treatment Focus
- Energy Efficient Design



Project Name: **Dallas County Jail, Medical/Mental Health Modifications**

Location: **Dallas, Texas**

Date Completed: **2015**

Key Members: **Jim Gabel, Electronic Security**

Construction Cost: **\$38 million**

Client Contact Info: **Patrick Jones, Vice President**

Correctional Health Services,
Parkland Health & Hospital System
214.875.4610, pat.jones@phhs.org

Project Description: Operated by Parkland Hospital, the \$38 million Dallas County Jail Medical Modification is a one-of-a-kind facility renovation and modification of 139,657 square-feet of existing space in the lowest three floors of the Lew Sterrett North Jail Tower. Creating a stand-alone, centralized medical-mental health services facility, the primary goal is to limit the number of inmate visits to Parkland's emergency room and the number of inpatient stays. The improvements established the facility as a national model for correctional healthcare. The project also includes improvements meant to enhance overall site security at the Jail/Courts Complex.

Project Relevance:

- Correctional Facility Project
- Improve Access to Behavioral Health Treatment
- Normalized Environments / Clinical Treatment Focus
- Energy Efficient Design



5. Supplemental Response to Evaluation Criteria

EVALUATION FACTOR 1

Diversity Focus Statement: Approach to enhancing diversity in assembling the team for this Project and the inclusion of firms that expand the overall breadth of different firms working on DCAMM Projects including description of specific working relationships and responsibilities between and amongst team members for both MBE/WBE firms and those with which they will be teaming. If applicable, please highlight prior projects that have met M/WBE goals. Partnerships encouraged.

HDR — an Employee-Owned Company

As an **employee-owned company**, HDR embraces a culture of **equity, diversity, inclusion, and collaboration**. We firmly believe that diversity encompasses all the ways human beings are both similar and different. Its impact rests on inclusion and exclusion and the ways that similarities and differences are used. The critical questions are two-fold:

- Are there exclusions that hinder our ability to be successful?
- Are there inclusions that could increase our ability to be successful?

HDR is proud to be one of only two architectural firms named to **Forbes' America's 500 Best Employers For Diversity 2020 List**.

HDR is an employee owned company. We take great pride in the work that we produce, and we are committed to providing the highest quality of service to our clients. We share in the responsibility of making our company successful.



HDR Boston Team Members

Additional HDR Subject Matter Experts



Grace C. Lee
Architectural Designer
and Coordinator



Cuixi Ren
Architectural Coordinator



Deborah Rivers
Boston Office Sustainability Lead



David Bostwick
Correctional Planner/
Programmer



Dave Redemske
Correctional Healthcare Planner

Commitment to a Diverse Project Team

We have built and maintained strong relationships with our project teams and with our varied public clients. We have also made a commitment to actively include those traditionally underrepresented in the design profession. In all, HDR has been engaged in a wide variety of public sector work through which **44.1% of all fees earned or committed have gone to our MBE and WBE partners**. The consistency of these relationships has translated to consistency of delivery and to providing opportunity to numerous emerging businesses. Under the DCAMM Study, Planning, Design & Construction for Correctional Facilities House Doctor contract, we are committed to continuing our commitment to diversity by building a team in which the **majority our sub-consultants are certified as either MBE or WBE**. Additionally, **women compose 40% of HDR's project team**.

In addition to HDR's project-dedicated senior professional staff, our project staff includes experienced young professionals that are engaged in a large variety of DCAMM projects including correctional facilities projects—the scale and nature of House Doctor assignments are perfect opportunities for emerging professionals to work in concert with more experienced professionals to develop and grow into central project leadership roles. While not specifically listed as required roles in the DSB Team listing, our team includes two key emerging professionals who have been growing through multiple recent DCAMM opportunities.

As architectural designer and coordinator, **Grace C. Lee** is currently working directly with DCAMM and User Agencies on several correctional facilities projects. These projects involve challenging programs, budgets, and schedules in existing facilities. Grace's significant correctional project experience provides our project team significant support in the project decision-making process, and her leadership skills provide positive impetus to each project.

Cuixi Ren has worked as architectural coordinator on a large variety of DCAMM alteration and infrastructure upgrade projects within existing operating facilities. His project experience extends from project initiation and study through construction. His understanding of building technology and the project development process supports the project management team and our consultants with timely accurate data to facilitate project execution.

HDR has a wide range of additional subject matter experts who can support the projects. See additional information on sustainability, locally led by **Deborah Rivers**, in Evaluation Factor 4. **David Bostwick**, correctional planner/programmer, and **Dave Redemske**, correctional healthcare planner, have been involved in several DCAMM correctional facility projects.

Our History of Inclusion

As demonstrated in all of our work for the Commonwealth, HDR continues to embrace diversity in all of the work in which we are engaged. We continue to partner with a **diverse team of experienced project consultants**, working on several projects with DCAMM, including the Middleton Jail, Third Street Court, and the Hampden County House of Correction. In addition to the diverse range of consultants that we seek out to work with us on these important project, HDR also has a talented, experienced, diverse staff.

In reviewing the Scope of Work, we believe the Study, Planning, Design & Construction for Correctional Facilities House Doctor assignments would give us an opportunity to draw on the collective experience of our seasoned team. Our proposed core team is primarily made up of long-time MBE/WBE partner firms including **B+AC** (MBE) as the structural engineer, **Nitsch** (WBE) as the civil engineer, **Ground** (WBE) as the landscape architect, **Ellana** (WBE) as the cost estimator, **CDW** (WBE) as the hazardous materials consultant, and **Jensen Hughes** (MBE) as the code consultant. As of January 1, 2022, **AEI now IMEG**, the mechanical engineer and electrical engineer, is no longer women-owned, but they still take diversity and inclusion very seriously. If awarded a contract, the local leadership from AEI now IMEG will be woman-led by Susan Wisler. Depending on the scope of work, AEI now IMEG has a list of WBE/MBE consultants willing to partner in house doctor contract work. AEI now IMEG will maintain their commitment to mentoring WBE and MBE firms, to exceeding the established WBE and MBE participation goals, and to seeking underrepresented populations to join their company's team.

These firms have worked consistently with HDR on a wide range of project types and scales; and most are currently working with us on the Trial Courts Task Orders, the Middleton Jail Certifiable Study and VOC Building Code Compliance Study, and the Hampden County House of Corrections HVAC System Deficiency Study/Alterations.

EVALUATION FACTOR 2

Familiarity with Commonwealth of Massachusetts Public Bidding requirements M.G.L. c. 149, M.G.L. c. 149A, and M.G.L. c. 30, § 39M.

For the past several years, HDR has worked on a wide variety of public bid projects in the Commonwealth of Massachusetts—the vast majority of which have been in partnership with DCAMM. From this work, we have gained extensive experience with Massachusetts **Chapter 149** public bid project contracting laws and have completed a number of **Chapter 30, § 39M** small projects with numerous User Agencies and Authorities. This work has provided invaluable experience for our staff and been instrumental in building HDR's practice in Boston.

Chapter 149

Experience includes House Doctor, On-Call projects for:

- **Cambridge Health Alliance** in Cambridge and Somerville
- **Chelsea Soldiers Home** in Chelsea
- **DCAMM**, various locations statewide
- **Massachusetts State Police** Training Academy Firearms Range in New Braintree
- **MassDevelopment**, various locations statewide
- **Tewksbury Hospital** in Tewksbury
- **UMass Memorial Healthcare System** in Worcester

House Doctor contracts involved the following scope:

- Interior renovations in occupied facilities
- Building and campus infrastructure (MEP/FP Systems) repairs and improvements
- Building envelope repairs and replacement
- Facility condition assessments
- Life safety, code, and accessibility compliance
- Master planning



Chelsea Soldiers Home

HDR also has extensive experience with Chapter 149 projects for **Massport** and **MassDOT**, usually as a component of design/bid/build contract execution. We and our subconsultants understand the specific requirements and special considerations that are part of the project bidding, design, and execution of public projects, including:

- **Proper document preparation**, especially project specifications
- **Project specific needs**, including proprietary products and systems
- **Public bid requirements and limitations of Filed Sub-Bids**, including impact on construction execution and the need to define project scope within the requirements of each section of work required by a Filed Sub-Bid
- **Approach that contractor and subcontractors take in working on Chapter 149 projects**
- **Clear delineation of project scope**, within each construction discipline
- **Construction execution by various trades**, which informs our design and documentation.

Chapter 30 § 39M

We have developed a process for creating **streamlined bid documents** using DCAMM standards and have worked directly with facilities staff to manage the execution of these small repair and alteration projects, including:

- **Cambridge Health Alliance** in Cambridge and Somerville
- **Chelsea Soldiers Home** in Chelsea
- **Tewksbury Hospital** in Tewksbury
- **UMass Memorial Healthcare System** in Worcester



Tewksbury Hospital

EVALUATION FACTOR 3

Demonstrated experience in the planning and design of correctional facilities, including experience in determining alternative capital investment strategies to achieve innovative results that maximize cost savings through creative approaches to programming and design in occupied correctional facilities with high security requirements.

Correctional Facility Planning and Design

Through our work on other correctional facilities, including DOC and county jails in the Commonwealth of Massachusetts, HDR has developed a strong working relationship with DCAMM and other State Inspectors and Agencies. We have a deep understanding of corrections programmatic needs, including the complex integration, national and international Best Practices, security separation, and process-driven design between the facility and the courts, as well as the communities that surround the facilities, the general public, family members, contracted vendors, supplies deliveries, waste disposal, and operational maintenance. We also have an appreciation for the emotional impact of the corrections system and the promise of Criminal Justice Reform (CJR) to positively address the serious issues of incarceration in the United States.

HDR's seasoned Boston-based team will be responsible for managing and delivering the Project. Through HDR's Think Global / Act Local approach, this team is able to draw on national corrections, healthcare, mental health, and strategic communications Subject Matter Experts (SMEs). David Bostick and Dave Redemske led the Study programming phase of our Middleton project and have played critical roles on facility planning and in the regularly-recurring project workshops. Whether in person or via remote meeting, all of HDR's SMEs are accustomed to working in multiple markets across the country, seamlessly integrated into the Project Team.

Designing and executing construction projects within correctional facilities requires understanding and expertise of the significant operational security needs of these facilities. HDR's SMEs have worked on a variety of projects that involve the **phasing of work within correctional facilities** to achieve full project completion and will bring this expertise to support decision-making and developing solutions. In addition, HDR has proven track record as **key collaborator with DCAMM** in addressing numerous complex project needs for the Commonwealth. Phasing of work requires a knowledge of facility operations, program requirements, existing and new building systems, as well as potential construction methods and the public procurement process. Development of phasing plans and schedules is a complex process which requires continuous communication with project team members including the facility administration, departmental, and security staff. Phasing plans must consider necessary sequencing of the work, facility operations, access restrictions, building system configurations, life safety needs, potential enabling work, use of swing space, temporary structures and construction, protection of occupied spaces, and temporary security measures including staffing during all phases of construction.

EVALUATION FACTOR 3 (cont.)

Addressing the **high security requirements of projects** within correctional facilities requires a design team with correctional facilities planning expertise and experience. This includes knowledge and an **understanding of the correctional guidelines** that underlie the operations, procedures, and protocols utilized in the facilities. The various inmate classifications, services, support programs, and legal requirements under which the facilities operate and the working environment in which security and support staff operate are components that impact the planning of any project.

Our Justice/Correctional Facility SMEs, Senior Architects, and project team members understand the importance of all these underlying requirements in the planning and design of correctional facilities; both new construction as well as alterations. We apply our understanding of requirements along with the input of facility staff during the project design process to provide the necessary scope and processes documented within design documents to facilitate the execution of each correctional facility project.

Essex County Sheriff's Department, Middleton Jail Inmate Services Building Replacement, Middleton

This study is a multi-task analysis of existing site, building conditions, and program. HDR's expertise in Correctional Facility programs (including healthcare and mental health facilities) and operations is being applied to review the impact of Criminal Justice Reform, National Correctional Facilities' operational trends and best practices. Our project team led a case study investigation of comparable, forward-thinking facilities and is compiling data and is working on developing alternative design scenarios which will require multi-year phased implementation to avoid facility operational disruptions. Critical medical, mental health, substance abuse, and food service functions are to be replaced without compromising the daily operations of the facility. Ultimately all inmate support services will be housed in new operationally secure and sustainable facilities.

DCAMM, Hampden County House of Corrections, HVAC System Deficiency Study, Ludlow

This project involved a conditions survey and analysis of existing campus-wide mechanical systems. The project was made necessary when the State DPS Inspector declined to issue a certificate of occupancy on a project that pre-dated HDR being brought on board. HDR's initial charge was to interface with DPS to identify and develop changes to the MEP systems. Alterations to the existing HVAC system equipment and distribution system were designed to provide compliance with the current mechanical code. The HVAC systems have been evaluated on a holistic basis, which includes not only equipment, but also distribution system design, cleaning, and total system commissioning. HDR is working with the State DPS Inspector throughout the study and design process to confirm that system modifications are acceptable as "upgrades to a previous non-compliant systems installation." To maintain continuity of operations, the project is to be executed in multiple phases. HDR is working with DCAMM and the Hampden County Sheriff's Department to create a workable phasing model prior to contractor involvement with the project. We performed systematic collection of data to document existing conditions for all of the inmate cells, serving over 1200 inmates. This effort will facilitate management of the project budget to limit future unforeseen costs.

DCAMM, MCI-Framingham, 4 Cottages Exterior Windows Replacement, Framingham

This project involved an emergency-basis intervention to allow for re-occupancy of four cottages at this all-women's correctional facility. The cottages provided lower-level security as part of a step-down system for women preparing to transition out of the corrections system and back into society. The cottages were also the center of educational and substance abuse programs to assist the female inmates in addressing issues that resulted in their incarceration. When under a separate Energy Upgrades initiative, the cottages tested positive for hazardous materials, the cottages had to be immediately vacated, causing significant disruption to the inmates and the restorative programs being administered in the cottages. HDR devised a solution which expedited window/wall removal and new window unit installation. HDR also provided building envelope design services and additional services for accessibility compliance improvements to all four buildings. Since all of the structures were vacated, HDR worked with DCAMM to expedite the design, document preparation and construction administration process to facilitate occupancy as soon as possible.

Alternative Capital Investment Strategies

HDR's Economics and Finance practice has achieved a national reputation identifying preferred alternatives, defining investment programs, and evaluating traditional and innovative implementation strategies. Our practice enjoys an **international reputation for technical excellence and quality service in preparing economic assessments, developing economic and financial models, and evaluating funding strategies**. Having more than 35 economists and finance professionals with experience in economic and financial assessments of infrastructure projects, we are one of the largest teams in the industry.

Our team experience includes projects for :

- **Vanderbilt University**, Blue Sky Energy Vision
- **Johns Hopkins University**, Sustainable Return on Investment Analysis
- **City of Boston, Massachusetts**, Sustainable Return on Investment Analysis
- **LA Metro**, Triple bottom line evaluation of Emergency and Security Operations facility
- **City of Colorado Springs, Colorado**, Sertich Ice Center Refrigeration Plant Replacement Lifecycle Cost Analysis
- **City of Calgary, Alberta, Canada**, Return on Investment Analysis of LEED Certification for New Building Construction
- **Essentia Health Services and Good Samaritan Society**, Business Case Analysis of Campus Consolidation
- **Altru Health System**, Business Case Analysis of Health Facilities

We can provide a number of different approaches to defining options, determining alternative capital investment strategies, and maximizing cost savings. We can compare traditional building and system alternatives by considering the upfront capital investment, along with the lifecycle costs of the infrastructure. A lifecycle analysis like this can be used in decision making where the primary objective is maximizing cost savings.

Sustainable Return on Investment (SROI)

If DCAMM is interested in considering innovative designs that may include more sustainable features, we have a variety of tools to assist with the evaluation. Our Sustainable Return on Investment (SROI) analysis methodology can be used to consider either the trade offs between different levels of LEED design or different sustainable materials and systems. SROI involves using a triple bottom line approach to value social and environmental effects that are not traditionally assessed quantitatively.

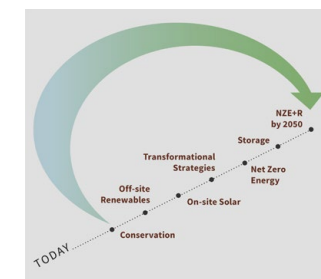
SROI incorporates:

- **Financial considerations**
- **Effects such as greenhouse gases**
- **Criteria air contaminants**
- **Potable water**
- **Stormwater runoff**
- **Other non-energy impacts**

These factors are monetized to the extent possible to account for the full project's value. If this more innovative evaluation is not required, a more traditional lifecycle cost analysis can be employed.



Sustainable Return on Investment (SROI)



EVALUATION FACTOR 4

Key team members will have demonstrated experience in leading and facilitating projects which target high efficiency and climate resiliency in design and systems, including demonstrated knowledge of high-performance renovations and low carbon fuel transitions in existing buildings, resilient design, considerations of site-specific resilience enhancements, decarbonization of fossil fuel systems, the integration of architectural elements and mechanical systems, and strategic electrification.

Design of low/ zero carbon buildings for a corrections facility comes with a **unique set of challenges**. Often burdened with a **backlog of deferred maintenance** and **failing infrastructure**, in addition to **insufficient space** to address their programmatic needs, reducing their carbon footprint is not necessarily a high priority. This is made more difficult because many of them are intentionally located away from urban settings, resulting in limited public transportation that makes them heavily reliant on cars for access by employees and visitors.

At HDR, we take a **holistic approach to Sustainability, Resilience, and Wellness**. Implementing sustainable design in correctional facilities requires a firm that understands their physical and operational requirements. Our team maintains knowledge of best practices to achieve high performance design suited to the correctional environment. **Setting realistic, achievable goals for reduction in energy use** within project budget constraints is key in early design analysis. **Passive design measures** such as optimized building orientation, ideal window/ wall ratio, and a high-performance building enclosure should be employed to minimize loads. **Efficient and innovative** mechanical, plumbing, and electrical systems are also key to reducing the building's energy use. It is equally important to **enhance the health and well-being of the occupants** by incorporating daylight and selecting materials to improve indoor air quality.

The LEED Rating System is used to achieve and document the sustainability goals of a project. Maintaining operations in the event of extreme weather events is essential for correctional facilities and they should be constructed to be as resilient as possible. We use the Commonwealth's Climate Resiliency checklist to assess vulnerabilities and document resilient features.

Passive House Design Principles

The basic principle is to create an **extremely air tight envelope** with balanced **heat and moisture recovery ventilation** in order to minimize the space conditioning system(s). Employing Passive House principles positions a building to achieve Net Zero Energy by minimizing the amount of renewable energy needed to achieve net zero.

Net Zero Building Design Principles

The basic steps to achieve a Net Zero Energy Building (NZEB) are: (1) Establish an Energy Use Intensity (EUI) baseline for the project type, (2) Aggressively reduce the EUI through various energy conservation measures, and (3) Estimate capacity for on-site renewable power generation. HDR's representative projects include:

- **Orange County Sanitation District**, Headquarters Complex, **Net Zero** using **photovoltaic panels** and **on-site electricity generation using biogas**
- **Los Angeles Department of Water and Power**, Mid Valley Water Facility, Headworks Water Quality Laboratory, West LA District Yard, Hoover Street District Yard, Western District Yard, **Net Zero** projects using **passive measures** and extensive **solar arrays**.
- **Okanagan College**, Jim Pattison Centre of Excellence for Sustainable Building Technologies and Renewable Energy Conservation, **98% Net Zero** using many **passive strategies** and rooftop **solar panels**; **LEED Platinum**



Los Angeles Department of Water and Power



Jim Pattison Centre of Excellence for Sustainable Building Technologies

De-carbonization of Fossil Fuel Systems & Strategic Electrification

HDR provides de-carbonization services and project facilitation to lead public and private institutions through a holistic de-carbonization effort. Representative projects include:

- **New York City's Roadmap to 80 X 50**: including a target of 80% reduction of GHG emissions in the Building Sector by 2050.
- **Vanderbilt University, Blue Sky Energy Vision Study**: including a review of all buildings on campus to establish a benchmark, generate energy conservation measures, and establish transformational **strategies to achieve Net Zero Energy + Resiliency by 2050**.
- **Creighton University, De-carbonization Project**: including a Greenhouse Gas (GHG) inventory assessment of the campus' current carbon expenditures. Through a variety of suggested measures, HDR illustrated a path for the University to **achieve their carbon neutrality goals** ten years earlier than the original 2050 target

Essex County Sheriff's Department, Middleton Jail Inmate Services Building Replacement, Middleton

The Inmate Services Building replacement on the campus of the Middleton Jail includes sustainability and resiliency goals. HDR and our consultants are engaged in the analysis of options to achieve LEED+ certification. Building systems, particularly the building enclosure and MEP system options, are being investigated to minimize potential building energy use. Reviews of the site for resiliency issues, including possible flooding and storm water discharge, are important components in the analysis.

State of Illinois DOC, In-Patient Treatment Center, Joliet, Illinois

The IPTC is located on the Joliet Treatment Center campus near Chicago and provides 150 mental health beds and 50 medical beds. The 180,000 square foot facility also provides support spaces, including an administration building, medical clinic, staff areas, laundry, kitchen and central utility plant. Targeting LEED Silver certification, HDR's sustainability team coordinated across disciplines to achieve this. Daylighting and acoustical analysis of patient spaces contribute to stress reduction, health, and overall wellness.

Hampden County House of Corrections HVAC System Deficiency Study/Alterations, Ludlow

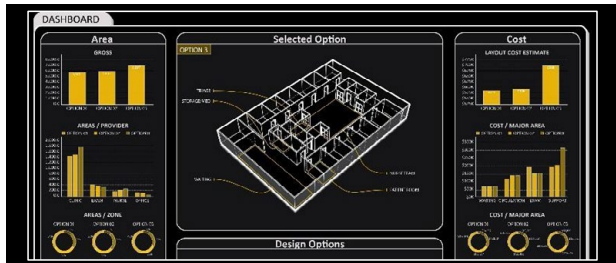
This project focused on analysis and design for potential corrective HVAC system equipment. Our long-time collaborator and mechanical engineering consultant, AEI, led the effort to examine and outline system and code deficiencies. Through an integrated, collaborative series of workshops, our structural engineering consultant, cost estimator, DCAMM, and the User Agency collaborated with AEI and HDR to identify alternative phasing and cost estimates to facilitate the development and installation of new Energy Recovery Units and recommissioning of the system to optimize energy reduction and overall system performance.

WHY HDR?

Our success is built on relationships. Prior to applying for the first DCAMM Small Project Group House Doctor solicitation, it was evident that **HDR's areas of expertise closely aligned with DCAMM's project types and agency needs**. We have worked with DCAMM to successfully complete a wide range of projects, and we continue to work on several important correctional facility projects to provide both infrastructure improvements and new facilities in line with Criminal Justice Reform goals and national best practices.

Given the scope of the House Doctor Contract, we feel particularly well-qualified to partner with DCAMM, the DOC, and other important stakeholders for the Study, Planning, Design & Construction for Correctional Facilities. As a national leader in Restorative Justice, including the planning and design of facilities for healthcare, mental healthcare, and substance abuse and other treatment / wellness programs, HDR has the depth of experience and breadth of perspective to fulfill the goals of any project, large or small.

We feel the work we do with DCAMM — in particular on Correctional Facility projects — can have a positive impact on the social justice and equity in our society. As one of the largest employee-owned companies in the United States, all of us at HDR have a stake in the firm's success and, therefore, a vested interest in providing unrivaled service to DCAMM and the Commonwealth clients they serve.



Our Unique Qualifications

Together with DCAMM and the Department of Corrections, the HDR team will work together on the great variety of potential infrastructure, alteration, and improvement projects that will be within the House Doctor Contract. Our correctional facilities work places inmates and staff at the center of the **design process**.

Through the variety of work we have completed with DCAMM and our ongoing commitment to developing advanced collaboration tools, HDR has built a specific set of qualifications that address the numerous potential requirements of this contract:

- Thorough understanding of **DCAMM policies and procedures**, including long-standing relationships with **DCAMM leadership and project managers and the State Office of Public Safety and Inspections**
- Relationships with facility managers and user agency staff at many of the Commonwealth's agencies and institutions, including the DOC
- Relationships with a variety of **trusted and highly-experienced subconsultants**, most of which are MBE/WBE certified
- Understanding of the **specific needs of public agencies**, including issues around **COVID-19 response in the correctional facility environment**
- Deep experience with **correctional facilities**: feasibility studies, certifiable studies, building assessments, infrastructure / building system upgrades, programming, renovations, and building replacements
- Sensitivity to **project scheduling, phasing requirements, and operational needs** that impact the design and execution of correctional facilities
- **Sustainable Design Leader** ensures the integration of energy efficiency / climate resiliency into our design process, across all disciplines, as appropriate to project needs
- Project teams combine strong **Boston-based project leadership and management with national subject matter experts** to meet the specific needs of the project

- Ability to quickly meet unique, unforeseen project needs by engaging a variety of HDR's **Specialty Team Members**, including subject matter experts in the design of healthcare in the correctional facility environment
- Collaboration Tools, such as **Data Wrangler** (to manage design options, scope, and cost early and throughout projects) and **Virtual Immersive Design** (to foster remote collaboration, engagement, and "co-authorship" with DCAMM and end-users)

We start with data-driven, informed decision making, and prioritized investment strategies that will support the many needs of the DCAMM Study, Planning, Design & Construction for Correctional Facilities.



Our "Smart Justice" whitepaper explores the issues that have contributed to the growing problem of mental illness in inmates as correctional officials seek to strike a balance between custody and care.

HDR — DCAMM Statistics

9

House Doctor Contract Projects

3

Individual Projects

4

Correctional Facility Projects

HDR — Justice Statistics

44M+

Square Feet of Justice Space Designed

50+

Years of Justice Experience

200K+

Correction/Detention Beds

The Evolution of Jail Design

CONTAINMENT

PAST

Reliance on Architecture
Inmate Idleness
Limited Inmate Programming
Limited Staff-Inmate Interaction

PRESENT

Direct Supervision
Diversion
Alternatives
Mental Health

FUTURE

Outcome Focused
Holistic Approach
Continuum of Care
Collaborative Partnerships

NECESSARY FUNCTION

COMMUNITY ASSET

PROJECT MATRIX

HAROLD LEVKOWICZ, AIA Project Manager	CHAD REILLY, AIA Principal in Charge	AEI now IMEG, B+AC, ELLANA, HDR SPECIFICATIONS		COMMONWEALTH PRIORITIES	SCOPE OF WORK										SERVICES										EVALUATION FACTORS				
		HDR CORRECTIONS SECURITY	JENSEN HUGHES, NITSCH		Building Repairs or Renovation	Project Schedule Development by Phase	Align Investments to Operational Needs	Develop More Flexible and Innovative Program	Cost Estimating	Strategic Planning	Space Use	Site Assessment (Planning & Design)	Building Assessment (Planning & Design)	Design Options that Support Decarbonization	Universal Design	Update Building Systems / Layouts to be Code Compliant	Assessment of Hazardous Materials	Certifiable Building Study	Schematic Plans and Outline Specifications	Design Development and Plans Specifications	Construction Plans and Specifications	Administration of Construction Contract	Feasibility / Preliminary Study	DCAMM House Doctor Contract	Alternative Capital Investment Strategies	Diverse Project Team	Energy Efficient Design / Climate Resilient Design	Chapter 149 Delivery	Chapter 149(A) Delivery
HAROLD LEVKOWICZ, AIA Project Manager	CHAD REILLY, AIA Principal in Charge	HDR CORRECTIONS SECURITY	JENSEN HUGHES, NITSCH	DCAMM, Middleton Jail and House of Correction, Replacement of Inmate Services Building, Middleton, MA	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
				DCAMM, Middleton Jail and House of Correction, Vocational Building Code Compliance Study, Middleton, MA	●	●	●		●	●	●		●	●	●	●	●	●	●	●	●	●	●		●	●	●		●
				DCAMM, TRC, Cambridge Courthouse, Third Street, Envelope Repairs, Cambridge, MA	●	●			●				●	●		●	●	●	●	●	●	●	●		●	●	●		
				DCAMM, Lindemann Building, Bathroom Alterations, Phase I/ Phase II, Boston, MA	●	●			●	●			●		●		●	●	●	●	●	●	●	●		●		●	
		CDW		DCAMM, Hampden County House of Correction, HVAC System Deficiency Study, Ludlow, MA	●	●			●				●	●		●	●	●	●	●	●	●	●	●		●	●	●	
				DCAMM, Massachusetts State Police Training Academy Firearms Range - Roof Replacement, New Braintree, MA	●				●				●	●		●	●	●	●	●	●	●	●	●		●	●	●	
				DCAMM, Office of the Chief Medical Examiner, Central and Western Massachusetts Medical Examiners Operations Facility, Westfield, MA	●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●		●	●	●	●	
				DCAMM, Hudson Armory - Roof Replacement, Hudson, MA	●				●				●	●			●	●	●	●	●	●	●	●		●	●	●	
				DCAMM, MCI-Framingham, 4 Cottages, Exterior Window Replacement, Framingham, MA	●	●			●				●	●	●			●	●	●	●	●	●	●		●	●	●	