TRIPLE C - THE A&E GROUP

A MULTI-DISCIPLINE COMPANY

SDVOSB PRIME + STRUCTURAL & PROTECTIVE DESIGN TEAM

MBJ

STRUCTURAL + PHYSICAL SECURITY + BLAST

Built to Protect Designed to Perform

Triple C – The A&E Group leads the multidisciplinary A/E team, integrating structural engineering and protective design with architecture, civil, MEP, field verification, cost, phasing and CPS. As SDVOSB prime, Triple C provides clear accountability and coordinates security requirements with facility operations, budget and construction.

Experience includes new buildings, additions, occupied renovations and infrastructure modernization. Early coordination helps align building systems, site access and protective measures while maintaining essential healthcare services.

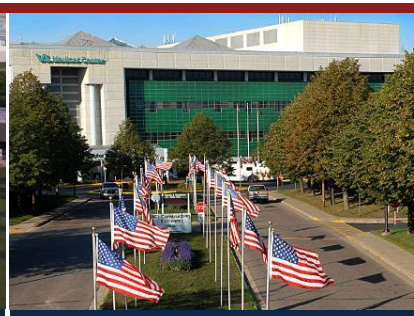
Meyer Borgman Johnson (MBJ) and **Integral Research Solutions Group (IntegralRSG)** combine structural engineering with specialty expertise in physical security, blast resistance and progressive-collapse mitigation. Services support new construction and existing facilities, from condition assessment and structural-system evaluation through protective design, documentation and construction support.

The team translates VA physical security and resiliency requirements into coordinated solutions for site protection, building envelopes, structural systems and critical infrastructure.

10+ YEARS WORKING TOGETHER ON FEDERAL + VA WORK

STRUCTURAL PROJECTS DELIVERED TOGETHER **20+**

Providence VAMC EHRM MCR Tower



MPLS VAMC Parking Ramp

West Haven New Inpatient Pharmacy

Tomah VAMC Primary Care

Integrated Design. Protected Facilities. Continuity of Care.

Structural systems and security measures share critical interfaces at the site, building envelope and utility connections. Coordinating these decisions early helps resolve conflicts, improve constructability and support patient and staff safety while maintaining essential operations.

ONE TEAM. FOUR INTEGRATED CAPABILITIES.

Structural + Seismic Design

New and existing building design, seismic evaluation and upgrades, structural rehabilitation and equipment anchorage.

Physical Security

VA PSRDM coordination for standoff, perimeter control, secure access and critical systems.

Blast Protection

Blast analysis, envelope hardening and structural protection coordinated with facility design.

Construction Support

Submittal review, field observation and CPS coordination for structural and protective design.

TRIPLE C - THE A&E GROUP
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STRUCTURAL + PROTECTIVE DESIGN EXPERIENCE

ASSESSMENT | RENOVATION | ADDITION | RESILIENCY

MBJ

EXISTING-STRUCTURE ASSESSMENT

MINNEAPOLIS VAMC PARKING RAMP

Upgrade Parking Ramp

618-19-110 | Minneapolis, MN

4 Levels | ~500 Stalls | $946K
Design: 2021-2023; Construction: 2024

Condition assessment documented concrete and coating distress, joint and drainage deficiencies, and related MEP concerns. LiDAR and photographs supported repair design, phasing and a long-term O&M plan.

MBJ ROLE

Structural site observation, repair recommendations and input to the operations and maintenance manual.

HEALTHCARE RENOVATION + ADDITION

TOMAH VAMC PRIMARY CARE | RENDERING

Expand & Renovate B400/B407

676-19-327 | Tomah, WI

2,200 SF Add. | 9,500 SF Reno. | $10.3M
Design: 2019-2021; Construction: 2024

Steel-framed addition used composite deck, steel beams and columns, braced or moment frames, spread footings and a separation joint to protect the historic structure.

MBJ ROLE

Structural engineering support during construction-phase services, QA/QC and physical-security coordination.

MISSION-CRITICAL INFRASTRUCTURE

PROVIDENCE VAMC EHRM MCR INFRASTRUCTURE

EHRM Infrastructure Upgrades

650-22-700 | Providence, RI

644,381 SF Campus | $42.1M EST.
Design: 2023-2026; Construction: 2027

Campus-wide EHRM upgrades include new MCR infrastructure, exterior TR towers, redundant A/B fiber paths, normal and emergency power, cooling coordination and PSRDM considerations to support resilient healthcare operations.

MBJ ROLE

Structural engineer of record for the MCR building and TR tower design, including foundations, load criteria and coordination with campus infrastructure.

QUALITY: *"The contractor consistently delivered high quality products and services. They've met the technical requirements, and their work has been reliable. Triple C – The A&E Group, LLC has been proactive in identifying program issues developing highly relevant and useful options to address those issues."*
- Joelle Mascarenas, CO Tomah VAMC

TRIPLE C - THE A&E GROUP
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STRUCTURAL, PHYSICAL SECURITY + BLAST EXPERIENCE

STRUCTURAL SUPPORT | PHYSICAL SECURITY | BLAST PROTECTION

MBJ

COMPLEX SURGICAL RENOVATION

ORTHOPEDIC + VASCULAR HYBRID OPERATING ROOM

Hybrid Operating Room

691-CSI-204 | West Los Angeles, CA

2,724 GSF | $7.7M EST.
Design: 2023–2024 Construction: 2027

Renovated two operating rooms into a modern Hybrid OR and Orthopedic OR with new support spaces and upgrades to HVAC, plumbing, medical gas, electrical, fire protection, radiation shielding and telecom.

MBJ ROLE

Structural Engineer of Record responsible for evaluating the existing structural system, designing equipment-support framing, truss strengthening and rooftop chiller-support modifications for the renovation.

CLC ADDITION + PROTECTIVE DESIGN

ERIE VAMC CLC PHASE II | RENDERING

Community Living Center Phase II

562-507 | Erie, PA

23,850 SF | $13.5M
Design: 2022–2023

New dual-unit CLC addition provides homes for 20–22 Veterans, with shared living spaces and separate mechanical service areas. Triple C coordinated site access, building systems and campus interfaces with VA stakeholders.

MBJ ROLE

Physical security, resiliency and blast protection under VA PSRDM criteria. Developed standoff, perimeter-control and blast-resistance solutions for the building envelope, structural interfaces and critical utilities.

PHARMACY + BLAST PROTECTION

WEST HAVEN PHARMACY | RENDERING

Construct New Inpatient Pharmacy

689-19-401 | West Haven, CT

Two-Story Addition | $22.9M Award
Design: 2020–2021; Construction: 2027

New two-story pharmacy addition supports USP 797/800 compounding on an occupied campus. Triple C coordinated secure access, roadway realignment and infrastructure for future expansion, including foundations for additional floors.

MBJ ROLE

Physical security and blast protection, including the blast design narrative, envelope and structural analysis, and hardening criteria for glazing, doors, louvers and walls. Coordinated security interfaces with door hardware and life safety systems.

COST /FINANCIAL MANAGEMENT: Outstanding. "*They took time to review the existing condition and physically walked the project site prior to submitting bid. They understand the intent of the project. The project has been going well without modification. Subcontractors have been responsive.*"

- Tom Phan, COR GLAHCS, Hybrid Operating Room

SR. Civil Engineer of Record / President: David Potter, PE, WY #4866. More than 45 years of civil engineering experience providing executive oversight, technical QA/QC and constructability review. Coordinates grading, drainage, foundations, utilities and site access with structural and physical security requirements. Supports code-compliant improvements suited to federal campus operations and long-term maintenance.

SR. Project Manager / Architect of Record: Mat Perkins, RA, AIA, PMP, NCARB #91119, LEED AP BD+C, AZ #39128, FL #AR99541, NM #005843, MD #19706. More than 28 years of experience managing federal healthcare A/E projects. Directs staffing, schedule and QA/QC while coordinating structural and protective design with architecture, engineering, phasing and occupied-facility requirements.

SR. Mechanical Engineer of Record: Kevin Luke, PE, WY #15662. More than 20 years of engineering experience supporting federal healthcare infrastructure and utility systems. Coordinates HVAC, equipment supports and utility interfaces with structural and protective design. Leads technical QA/QC and helps integrate system redundancy, service access and shutdown planning with continuity of care.

SR. Project Architect: Shannon Pollard, RA, AIA, LEED AP BD+C, KS #4407. More than 31 years of architectural experience in federal healthcare renovations and building envelopes. Coordinates space planning, exterior systems, accessibility and architectural detailing with structural rehabilitation and security requirements. Develops durable envelope solutions that support facility performance and occupied-campus construction.

Principal, Federal Practice Leader: Cullen O'Neill, PE, SE, MN #54958. Leads MBJ's Federal practice and has partnered with Triple C on more than 30 projects since 2021. Cullen brings extensive federal project experience and a collaborative approach to structural design, QA/QC, and multidisciplinary coordination from design through construction. Cullen provides project leadership and has served as structural engineer of record on multiple VA projects.

Associate, Structural Engineer: James Newhall, PE, SE, CA #6641. Brings broad experience in structural design, evaluation, field observation, and construction-phase services, with particular strength in multidisciplinary coordination and efficient project delivery. James has partnered with Triple C on several VA healthcare projects, including EHRM and hybrid operating room improvements in West Los Angeles, Coatesville, and San Diego.

Principal, Blast/Physical Security Lead: Brian Katz, SE CA #S6179, PE CA #C77459. Nearly 20 years integrating blast protection, physical security and AT/FP requirements into federal facilities. A decade of collaboration with Triple C spans 10+ VA projects, including EHRM, inpatient care and pharmacies. Translates VA PSRDM requirements into cost-conscious solutions that protect patients, staff and critical infrastructure while supporting continuity of care. (IntegralRSG)

Structural Engineer: Victoria Flys, PE AZ #71716. Victoria's collaboration with Triple C spans several VA healthcare projects, including the San Diego VAMC Psych Ward Expansion, San Diego VAMC EPC OR, and Brockton VAMC EHRM. She brings expertise in structural design and project management, combining strong technical knowledge with effective communication and multidisciplinary coordination.

"Project Management and communication were extremely effective, throughout the whole process. The Project Manager was always extremely engaged and willing to do what was required, to keep the Project on track, and to consider and incorporate VA input in their design."
- Laurie Walker, Contract Specialist, VHA PCAC | Erie CLC Phase II