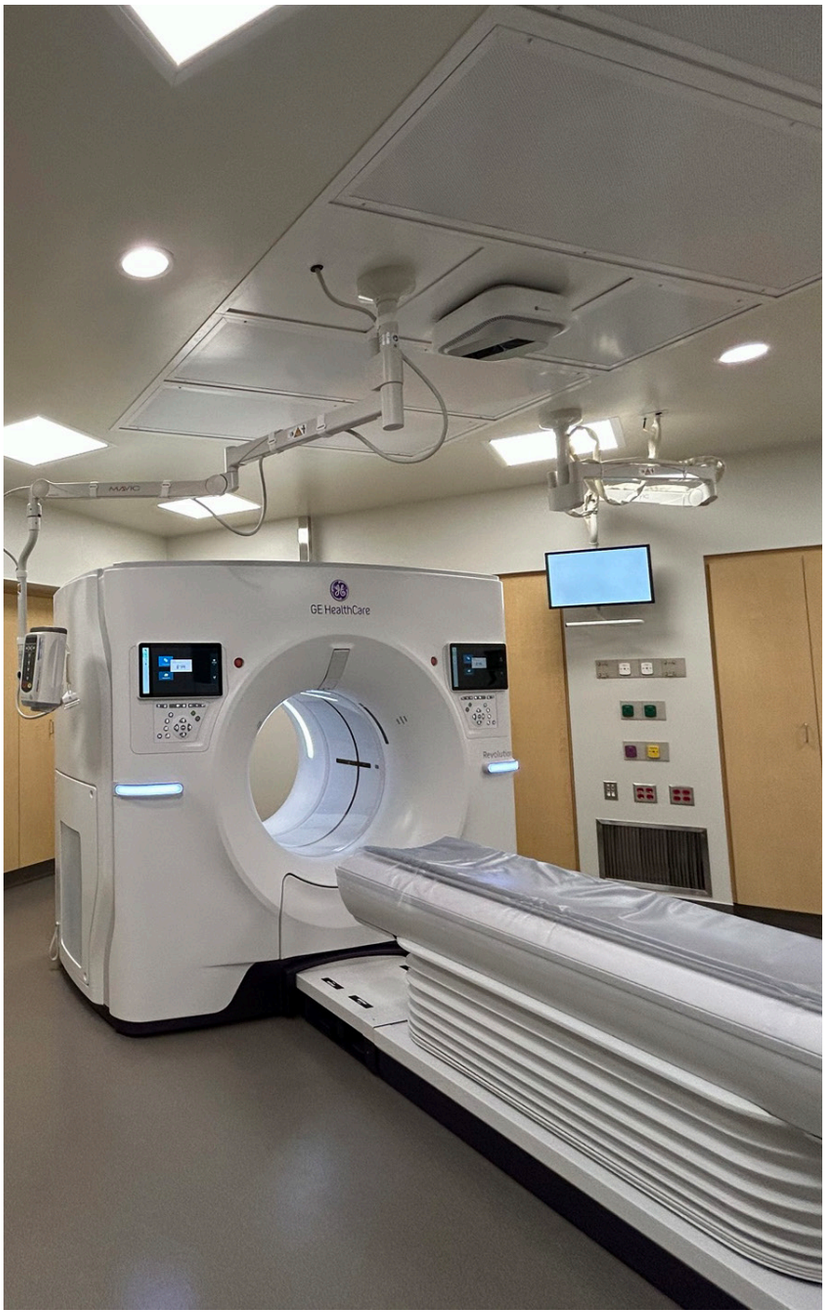
BOULTEN
CONSTRUCTION COMPANY



November 6, 2025

21ST ANNUAL HUB BUILD NORTHWEST AWARDS COMPETITION SUBMISSION

Sacred Heart Medical Center

CT-14

1 Project Summary

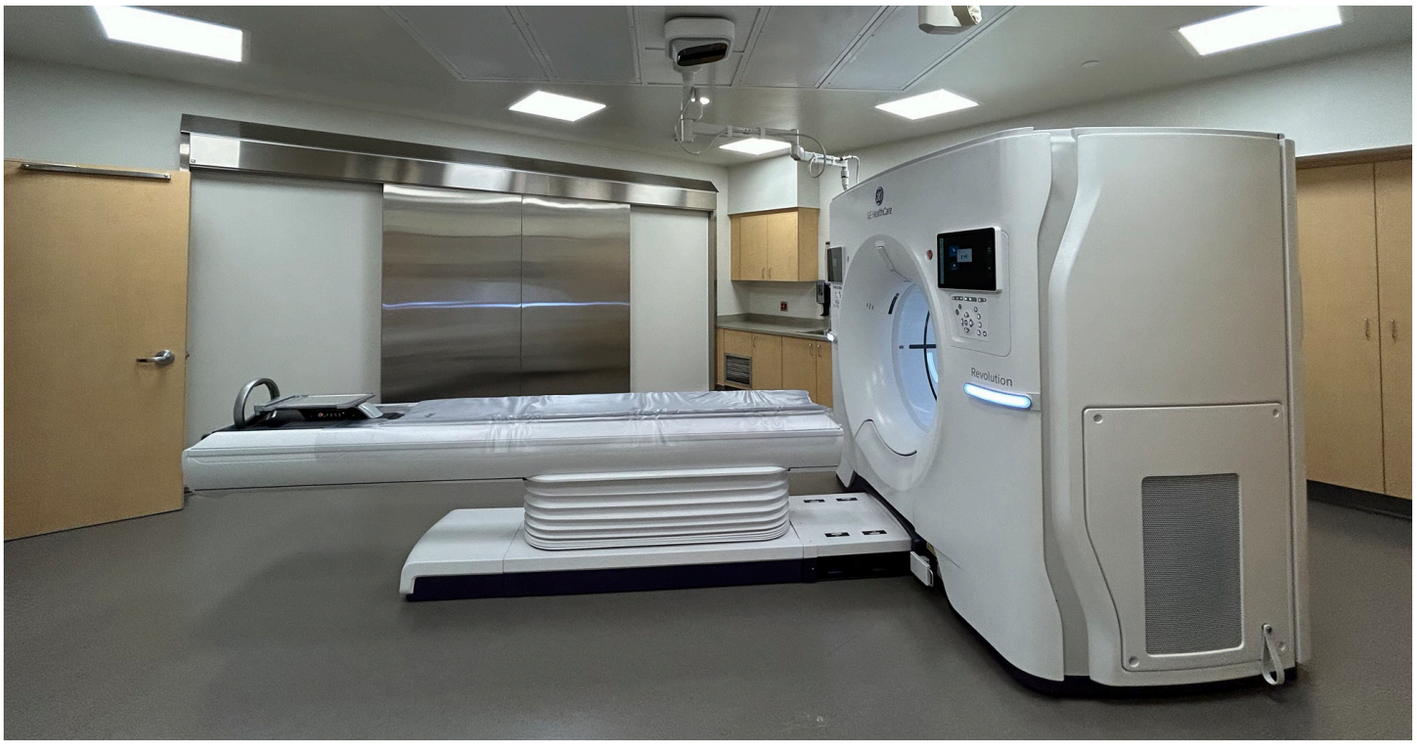
What began as a seemingly simple replacement of a CT scanner became an intricate construction challenge at Sacred Heart Medical Center. The CT room was embedded deep within the imaging wing, surrounded by critical departments that couldn't be shut down. In fact, work had to proceed while neighboring MRI, CT, and interventional radiology rooms remained fully operational.

Complicating matters further, the project team discovered that the air handler serving the entire imaging wing would need to be replaced. The unit's enormous size and enclosed location made removal and installation nearly surgical in precision.

The project also featured specialized construction elements, including 200-pound lead-lined doors. And strict coordination with hospital operations meant that every utility shutdown and construction notice was scheduled weeks in advance.

Quality and durability guided every phase, with meticulous inspections ensuring seamless integration of new and existing spaces—and painstaking craftsmanship that elevated quality and ensured longevity.

Despite the technical and spatial challenges, the project met its original schedule—June 2024 to August 2025—without delay. Bouten's planning and execution underscored its reputation for precision, reliability, and an unwavering commitment to patient-centered construction.



2 Entry Form

The 2025 HUB Build Northwest Awards
Entry Form - Contractors

PROJECT TYPE

CHECK ONE (See **Project Category** section in Entry Packet for detailed descriptions of each project type.)

- ❑ Building (under $10 million)
- ❑ Building ($10 million and over)
- ❑ Highway & Transportation
- ❑ Heavy & Utilities
- ❑ Sub-Contractor
- ❑ Out of Area
- ☒ Small Projects
- ❑ Special Projects

CHECK ONE

- ❑ New Construction
- ❑ Renovation

CONTRACTOR INFORMATION

Must be an Inland Northwest AGC member in good standing

Company Name *(list all if a joint venture)*: Bouten Construction Company

Entry Submitted By: Ryan Keogh Title: Special Projects Group Manager

Email: ryank@boutenconstruction.com

PROJECT TEAM INFORMATION

Owner: Providence Health Services

General Contractor: Bouten Construction Company

Lead Architect: NAC Architecture Lead Engineer: Coffman Engineers, INC.

Major Sub-Contractors: KC Charles, INC., McKinstry CO., L.L.C., & Power City Electric

PROJECT INFORMATION

Project Name: Providence SHMC CT 14

Location: Spokane, WA

Contract Amount: $ 496,115.68

Date Project Started: January 17, 2025

Completion Date: September 22, 2025

What was the percentage of volume of work on this project performed with your own field personnel? 13 %

Were there any fatalities on this project? ❑ Yes ☒ No

Attach additional sheets if necessary

Send this form and your completed entry package to:

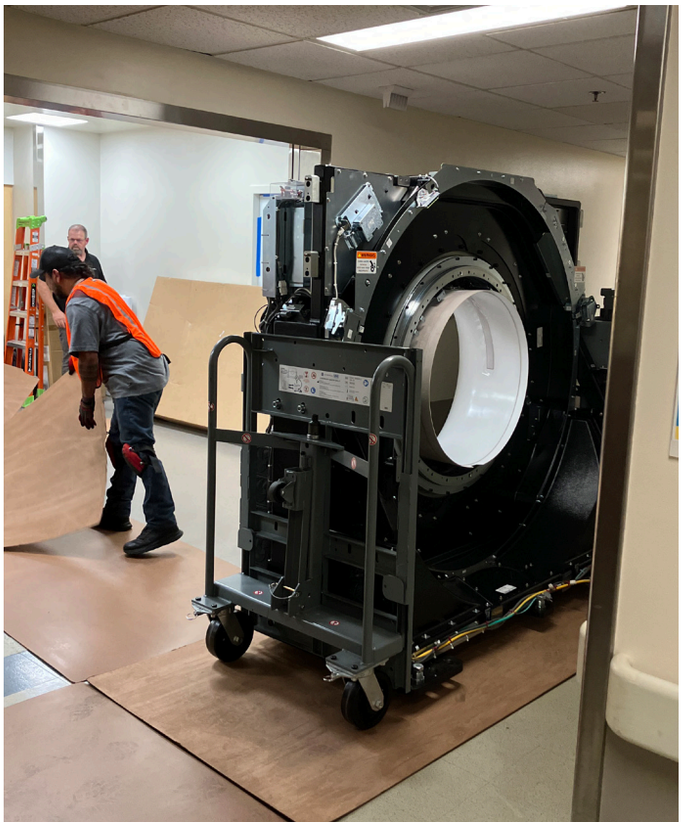
Inland Northwest AGC
Build Northwest Awards
4935 E. Trent Ave.
Spokane, WA 99212

All entries must be received no later than 4:00 pm on November 6, 2025 at the AGC office. There will be no exceptions or extensions.

3 Project Narrative

A. Difficulty in construction resulting from design, location, materials, etc.

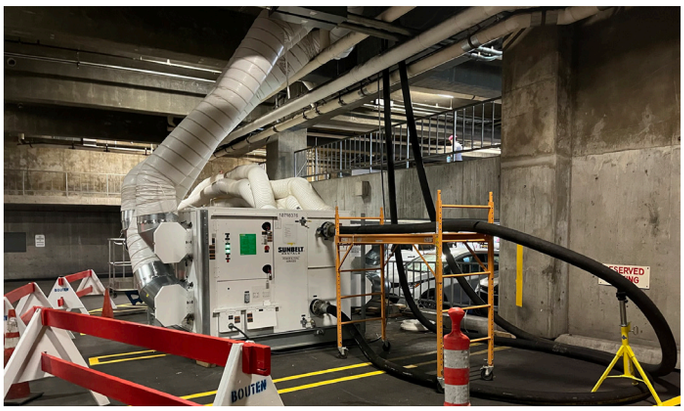
On the face of it, the scope for this project was relatively straightforward: Replace a CT scanner with a new unit in the same room. But the apparent simplicity ends there. The room sits squarely in the middle of the imaging wing at Sacred Heart Medical Center, and is surrounded by interventional radiology, MRIs, CTs, and cath labs—not to mention the fact that a Level II Trauma Center emergency department is just across the hall. Clearly, shutting down any of these spaces was out of the question.



The project began with some make-ready work, including upgrades required to create space in the existing equipment room. A new cooling system, electrical and finish upgrades, and new openings were installed in the room—all while it continued to house medical equipment powering two fully operational imaging rooms adjacent to the space. Temporary walls, infection control measures, and interim cooling kept these rooms operating while the work occurred. In order to gain as much space as possible in the procedure room—and to maintain operations of all these critical areas—adjacent walls to the equipment room and staff corridors were relocated in phases. We also supported accommodations for the temporary CT trailer, which included a new storefront, covered walkways, and a shed structure that even managed to protect one of the hospital's Mary statues.

The project team also determined that the air handler serving this wing would need to be replaced. The complications here include the location of the 8' x 32' AHU: a mechanical room completely nestled inside the building, and a unit that also supplied air for existing imaging spaces that had to remain operational. Working closely alongside the owner and design teams, Bouten led the effort to find a suitable location for a temporary AHU and secured routing of all infrastructure, ducting, and pathways to support the AHU. Given the remote location, Bouten also worked with the team to find a suitable pathway into the building for all materials and components. The existing AHU was ultimately dismantled in place, with all pieces removed through a 4' wide door before being safely transported out of the facility. The new AHU was installed

in a similar manner, one piece at a time, through the same 4' doorway—but in a way that, when re-assembled, it would still meet both the factory specs (thus preserving the warranty) and the seismic requirements specified in the Washington State Building Code.



B. Unusual construction techniques involved

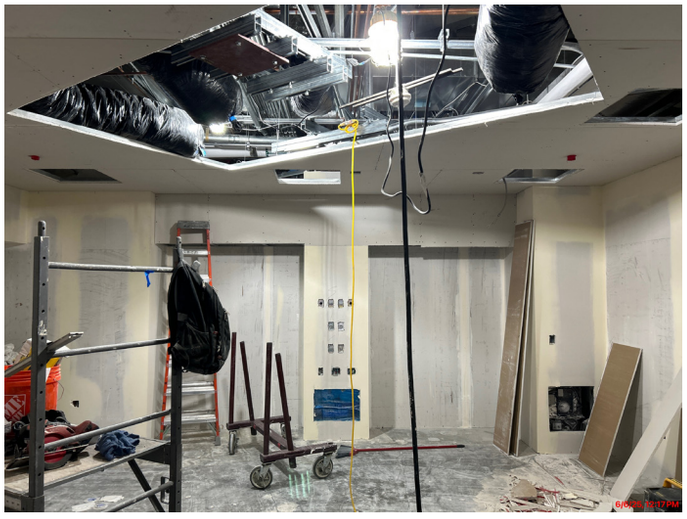
The barn-style, stainless steel, lead-lined doors—complete with automatic operators and access control and weighing more than 200 pounds each—were not only a first for us, but also a new product to the Spokane market. All utility shutdowns and construction activity notices were submitted two weeks in advance of any impact to the facility, a standard for both Providence and Bouten. In total, twenty CANs were submitted and approved during construction.

C. Final appearance and quality of the finished product

Bouten has been a trusted partner of Providence for more than eighty years. It's our longest relationship, based not only on our ability to execute on every conceivable type of project, but also on our commitment to quality without compromise. Both the owner and design team were involved in several quality control inspections at each stage of construction to ensure that standards were being met and that any existing conditions were promptly addressed. Bouten's and the facility's standards were included in all elements, including radiused edges on countertops, seamless tie-in and coordination with the adjacent and existing spaces, and full-height wall protection to ensure the procedure room will hold up to extensive use for years to come. These are just some examples, along with the precision craftsmanship necessitated by such details, that comprise what we internally refer to as the "Bouten Standard": a way of building that has been honed over eight decades of service to this particular client.

D. Timeliness of completion

Due to the critical nature of this project, schedule was top of mind throughout the project. The original completion date was set during the preconstruction phase, which began in June 2024; construction began in January 2025 and the project was delivered for use in August as scheduled. Throughout the process, the Bouten team planned ahead to eliminate obstacles before they had a chance to shift our substantial completion date by months. Those efforts included extensive coordination with ceiling-mounted medical equipment to ensure it not only worked with the new unit, but also was functional for the end users, as well as working out structural constraints with the existing space. Timely procurement and continuous quality control measures also ensured that faulty materials were identified early and replaced before they could have an impact on the schedule.



E: Company's safety performance on this project

Bouten's safety culture is built around the conviction that all injuries are preventable. There's nothing more important to us than providing a safe and injury-free job site—not only for our workers, but also for anyone else who comes in contact with our projects.

One of the most widely recognized and accepted performance indicators of safety is the experience modification rating (EMR), a number that reflects a company's workers' compensation claims history compared to others in the industry. An EMR of 1.0 is considered the average for the construction industry; a lower number indicates fewer significant workplace injuries, suggesting a safer workplace culture. Bouten's 2026 EMR is .6415, which places us among the top 10 percent of commercial builders in the state of Washington.

Bouten logged more than 4,000 hours on this project with no reportable safety incidents. Our self-performed work included infection control, demolition, casework, doors, frames and hardware, wall protection, and accessories. Limited painting, drywall, and ceiling work were performed by Bouten in adjacent spaces in order to ensure existing spaces were seamlessly tied in to the new construction.