MODULAR

North Shore University Hospital

3T MRI Facility Addition

Manhasset, New York

Healthcare

Challenge: how to rapidly expand MRI imaging capabilities at North Shore University Hospital without disrupting ongoing healthcare services. The solution? Off-site modular from Axis Construction.

The 3T MRI single-story addition includes a Scan Room, Control Room, patient holding area with restroom, changing room, and soiled and clean laundry holding rooms. The project's five modules seamlessly tie into the existing MRI Suite and Outpatient area and the stucco exterior complements the adjoining buildings. The interior is finished with painted drywall, acoustical ceiling, and combination of sheet vinyl and VCT flooring.

To reduce by weeks the construction detours, dust, noise, traffic, and safety hazards inherent in conventional construction, about 85% of the addition was completed off site. The pre-poured 4" thick concrete floors, as well as the copper-shielded walls, floor, and ceiling, were completed in the plant. Two-hour rated walls, floor and ceiling—including sprayed fireproofing required by the stringent local building code—were also completed off site at the plant.

Additional details: The concrete floors in the Control Room were built 6" lower than the floors of the other rooms in the addition so that the raised computer flooring in the Control Room would match the floor elevation of the existing building. Further, the Scan Room modules had removable roof sections so that a crane could lower the scanner into the room.

FASTER. Completion was accelerated by weeks with off-site modular construction

REDUCED DISRUPTION. Even though the new addition connects to the existing facility, imaging was not interrupted as the majority of the build occurred away from the hospital grounds

PROJECT TYPE
Turn-key modular healthcare construction

DESCRIPTION
Addition to add a 3T MRI scanner, plus interior renovations, and site development

OWNER
North Shore University Hospital

ARCHITECT
MJCL Architects

CONSTRUCTION COST
$1.8 million

SIZE
2,300 sq. ft.

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