



STRATEGIC INNOVATION - PREFABRICATION REDEFINED

CONSTRUCTION PLANNING +

DELIVERY



MERCY HEALTH

KINGS MILLS HOSPITAL



\$205M

total project budget

24 month

accelerated schedule

206,000 SF

full service hospital

BEDS

60

Med-Surg/ICU

16

ED

6

OR/Cath Lab



WHY ONSITE INDUSTRIALIZED CONSTRUCTION



1 MILLION+
SKILLED
LABOR CRAFTS
WORKERS
LOST



SUPPLY
CHAIN
DISRUPTION



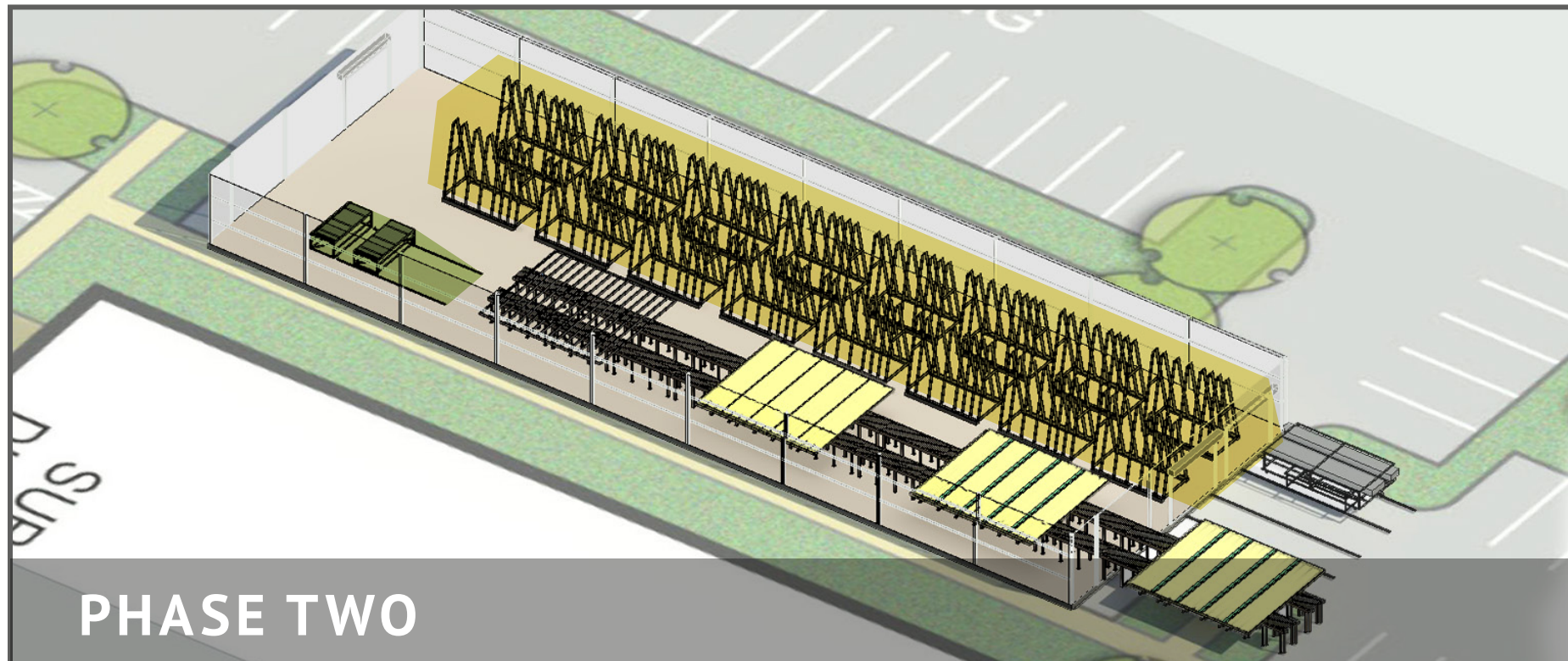
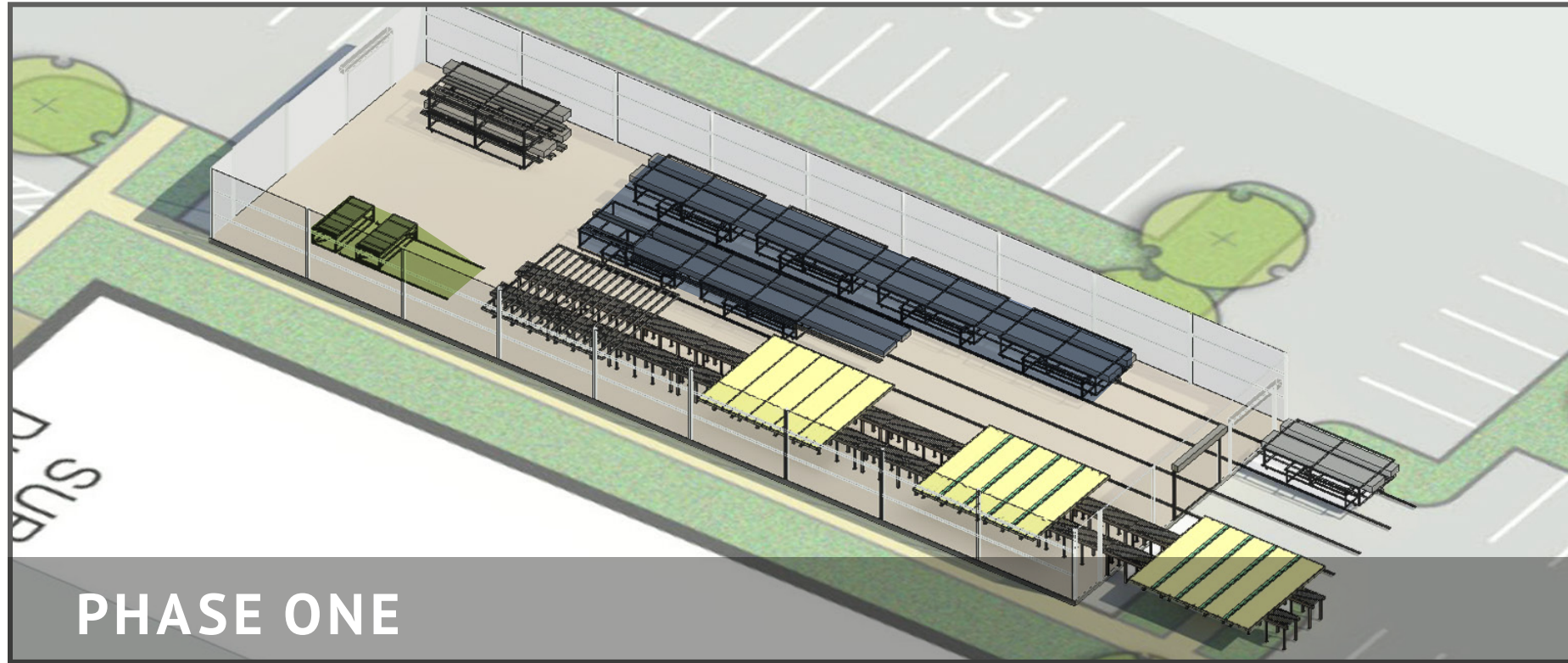
PRICING
ESCALATION



SPEED TO MARKET ONSITE INDUSTRIALIZED CONSTRUCTION CENTER

VALUE	OFFSITE INDUSTRIALIZED CONSTRUCTION	ONSITE INDUSTRIALIZED CONSTRUCTION CENTER
Weather Impact	●	●
Simultaneous Critical Activities	●	●
Hedges Escalation	●	●
Multi-Trade Assemblies	●	●
Supply Chain - Early Procurements	●	●
Schedule	●	☑
Quality	●	☑
Safety	●	☑
Trade Coordination	●	☑
Skilled Trades Utilization	●	☑
Cost Savings	●	☑
Sustainability / Less Landfill Waste	●	☑
Keeps Workers Onsite		☑
Guarantees Manpower		☑
Eliminates Trucking Shortage, Delays + Emissions		☑
AHJ Approval		☑
Less Rework		☑
Removes Shipping Limiters		☑
Levels Management Resources		☑
Enhanced Level Skilled Trades		☑
Allows More Innovation to Happen		☑

ENHANCED BENEFITS



IC MASTER PLAN MULTI-TRADE ASSEMBLIES

EXTERIOR WALL ASSEMBLIES

70% of facade (37,760 SF) Exterior Wall Panels

MEP SYSTEMS

75% Connections in the ICC
2,520 LF Horizontal MEP Racks

INTERIOR WALL ASSEMBLIES

4,255 LF Interior Walls (Building B)
46 Headwall Units (Building C)

MECHANICAL ROOM

Pre-fit mechanical spaces off-site

ELECTRICAL

Underground conduit racks off-site



OVER 50% INDUSTRIALIZED CONSTRUCTION

DANIS INNOVATIONS ONSITE INDUSTRIALIZED CONSTRUCTION

ONSITE INDUSTRIALIZED CONSTRUCTION CENTER

Similar to an automotive manufacturing assembly line, single-trade assemblies are brought into one end of the ICC and assembled into a multi-trade assembly.



HOW ON-SITE INDUSTRIALIZED CONSTRUCTION CENTER

Similar to an automotive manufacturing assembly line, single-trade assemblies are brought into one end of the ICC and assembled into a multi-trade assembly.

INNOVATION

ONSITE INDUSTRIALIZED CONSTRUCTION CENTER

- Portable Factory
- Three (3), 230 ft. Proprietary Construction Assembly Lines
- Lean/Takt Manufacturing Principles
- Zero Shipping Limiters
- Zero Rain Days / Resource Leveling
- Sustainable

VIDEO

DANIS



90%
EXTERIOR WALLS
PANELIZED

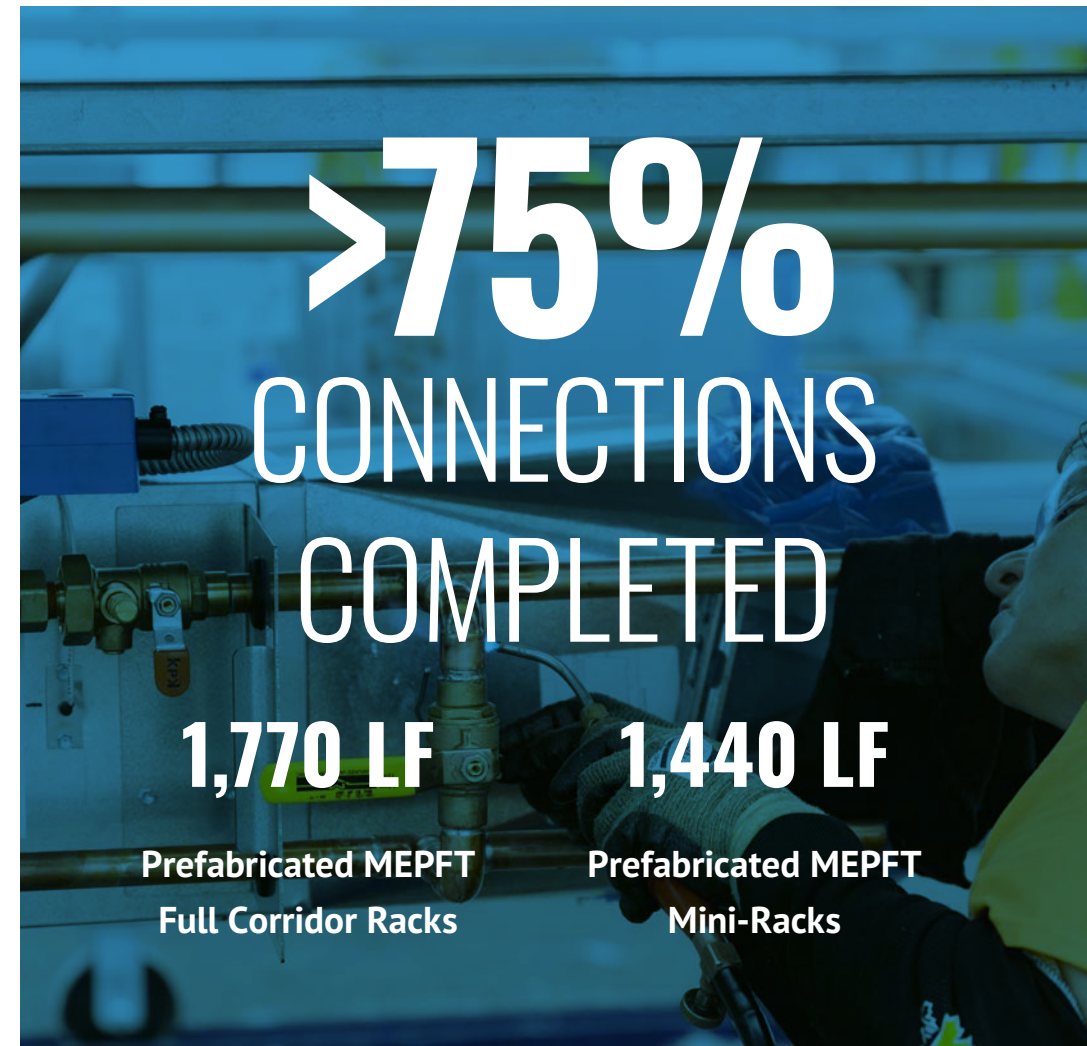
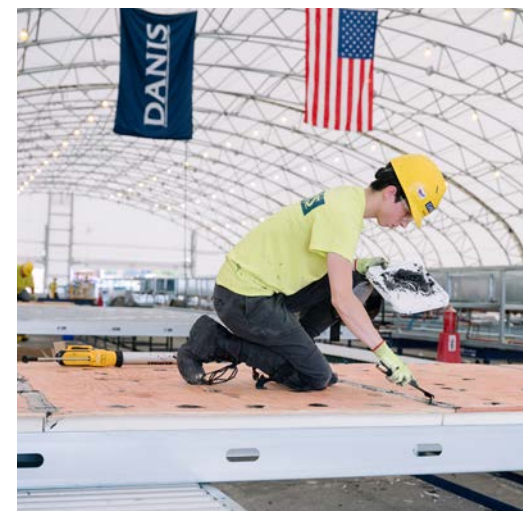
177

15' x 32' Large Exterior
Wall Assemblies



48
Patient Bathroom
Multi-Trade Wall Assemblies

80
Headwall
Assemblies



>75%
CONNECTIONS
COMPLETED

1,770 LF

Prefabricated MEPFT
Full Corridor Racks

1,440 LF

Prefabricated MEPFT
Mini-Racks

RESULTS ONSITE INDUSTRIALIZED CONSTRUCTION



5 month
**SCHEDULE
SAVINGS**



203 Typical Manpower Needed
On-Site for Monthly Revenue

112 Actual Manpower
On-Site with Danis ICC

81% Improved
Manpower
Utilization

**ZERO
DELAYS**
due to supply chain

**ZERO
SAFETY
incidents**

1% CM Staff + Support (GCs + GRs)

4.5% Construction Labor

1% Construction Materials

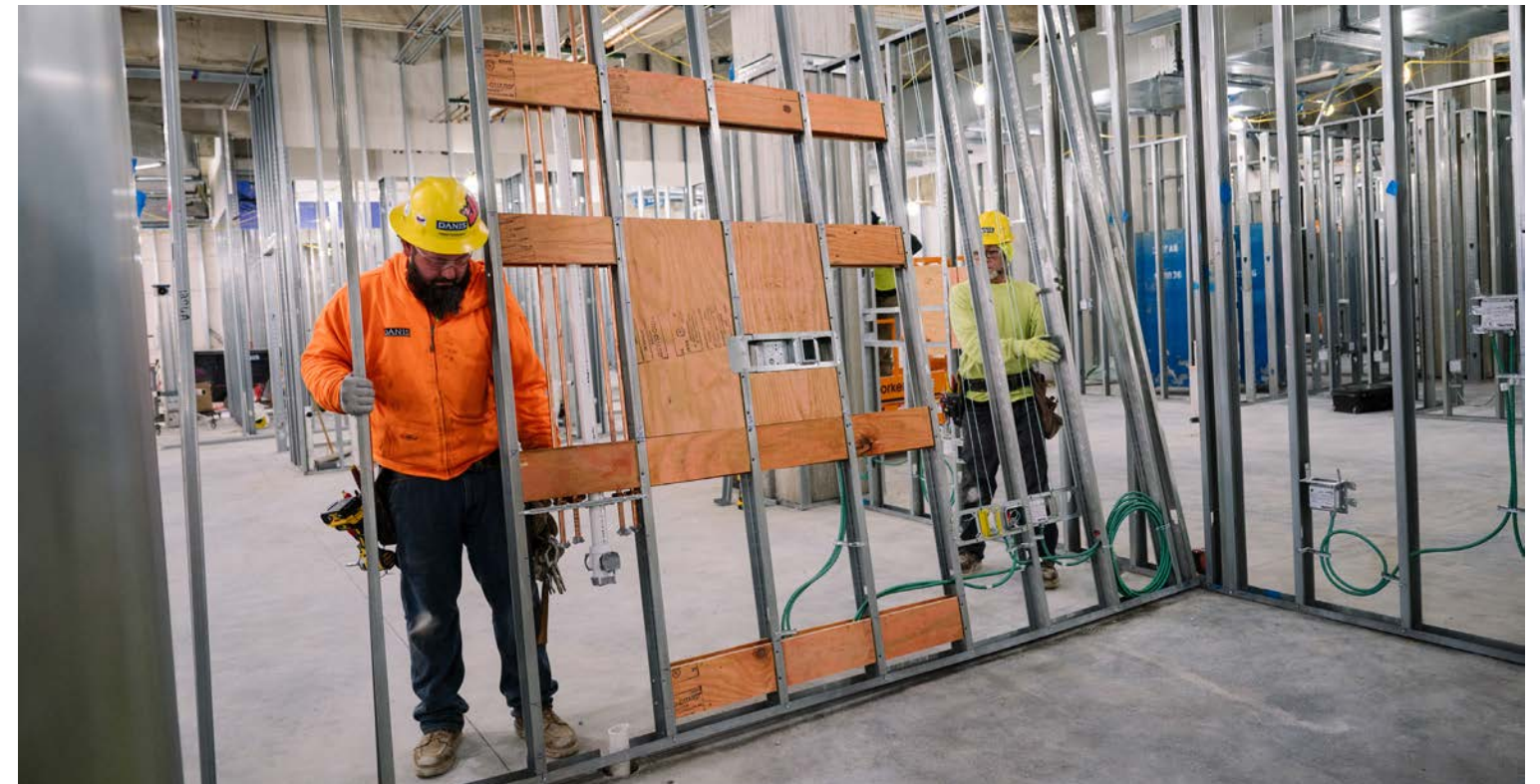
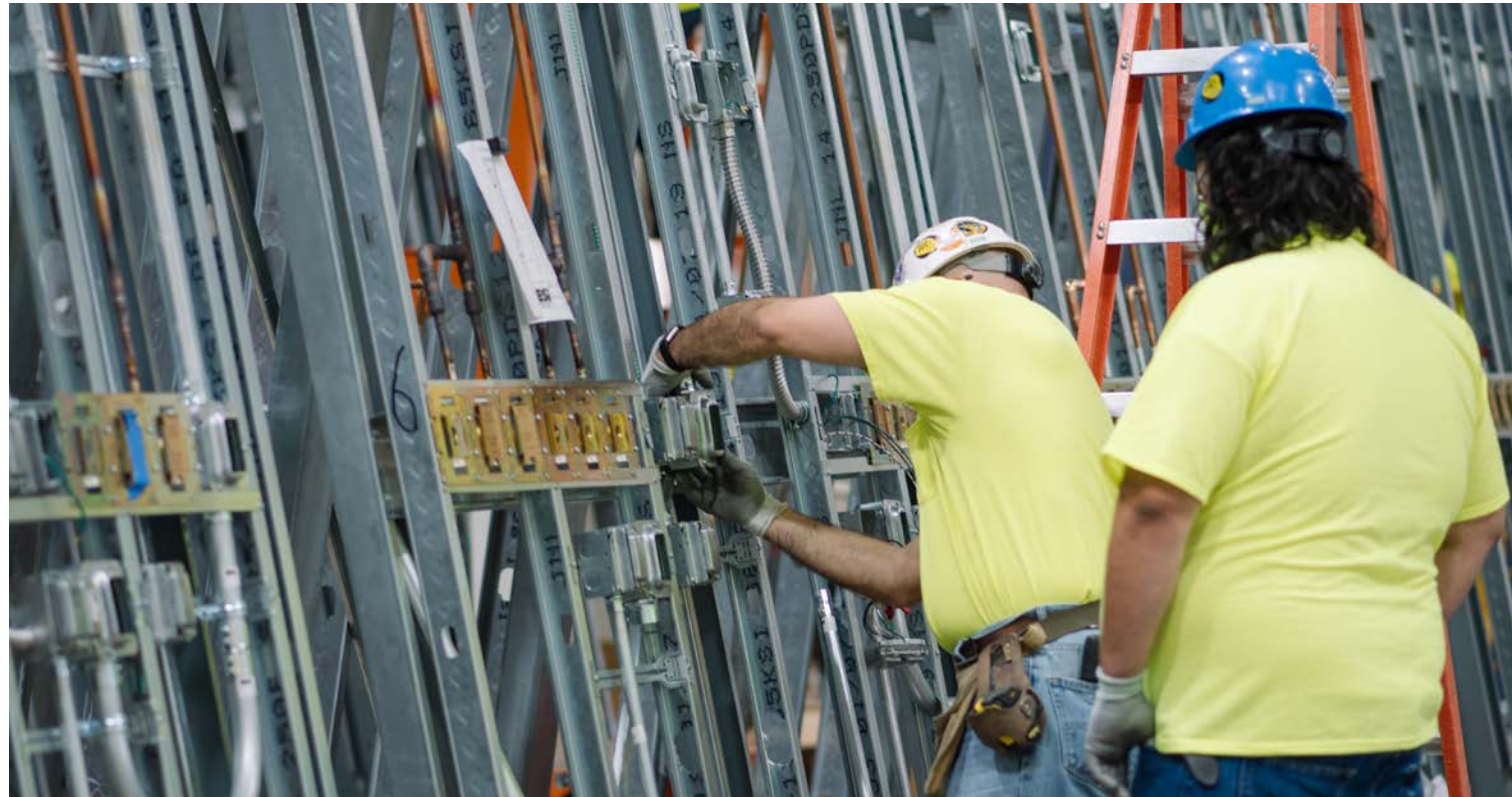
6.5% COST
SAVINGS

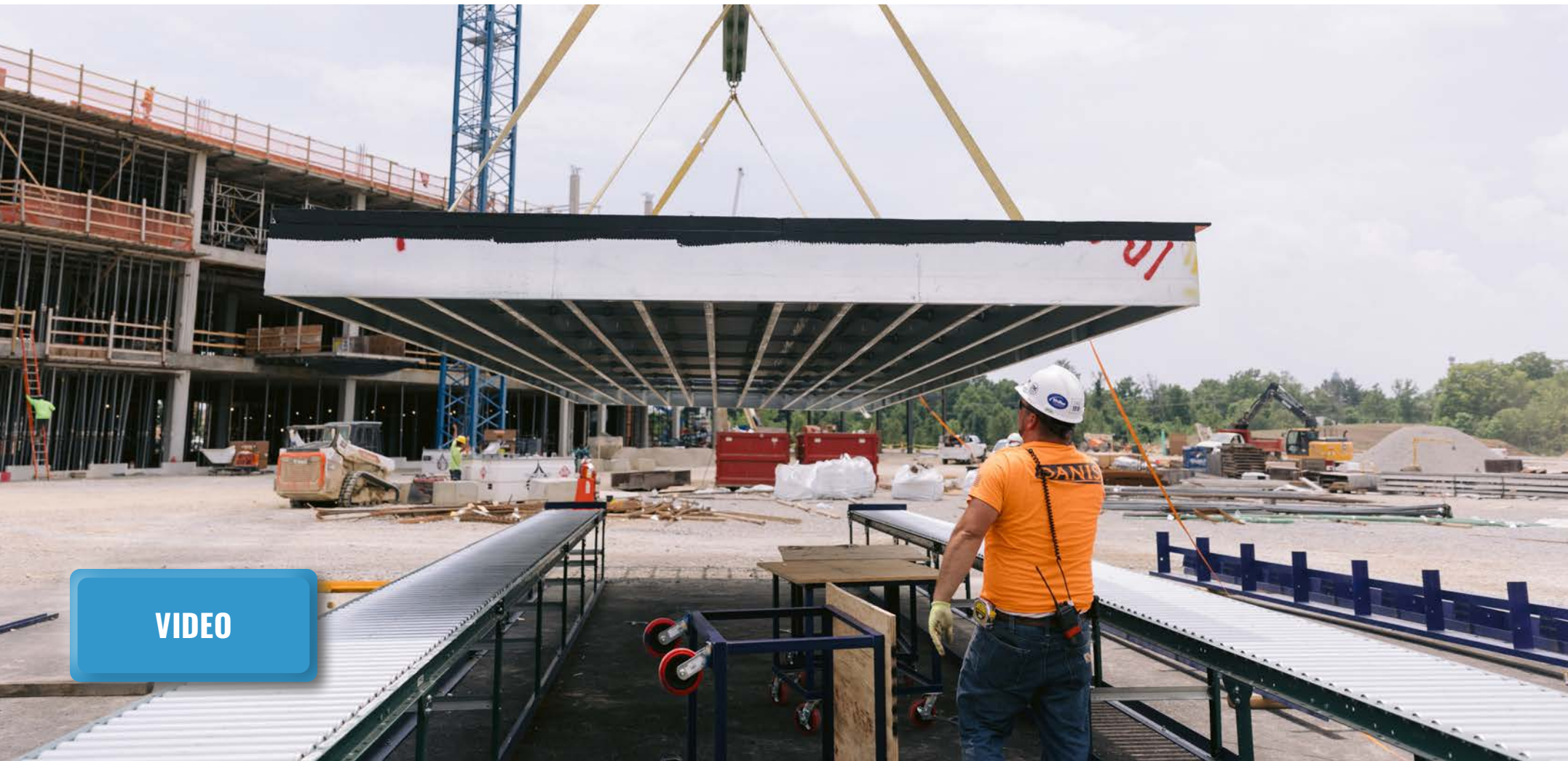
**ENHANCED
QUALITY**
manufacturing
techniques

ONSITE ICC CONTINUOUS INNOVATION

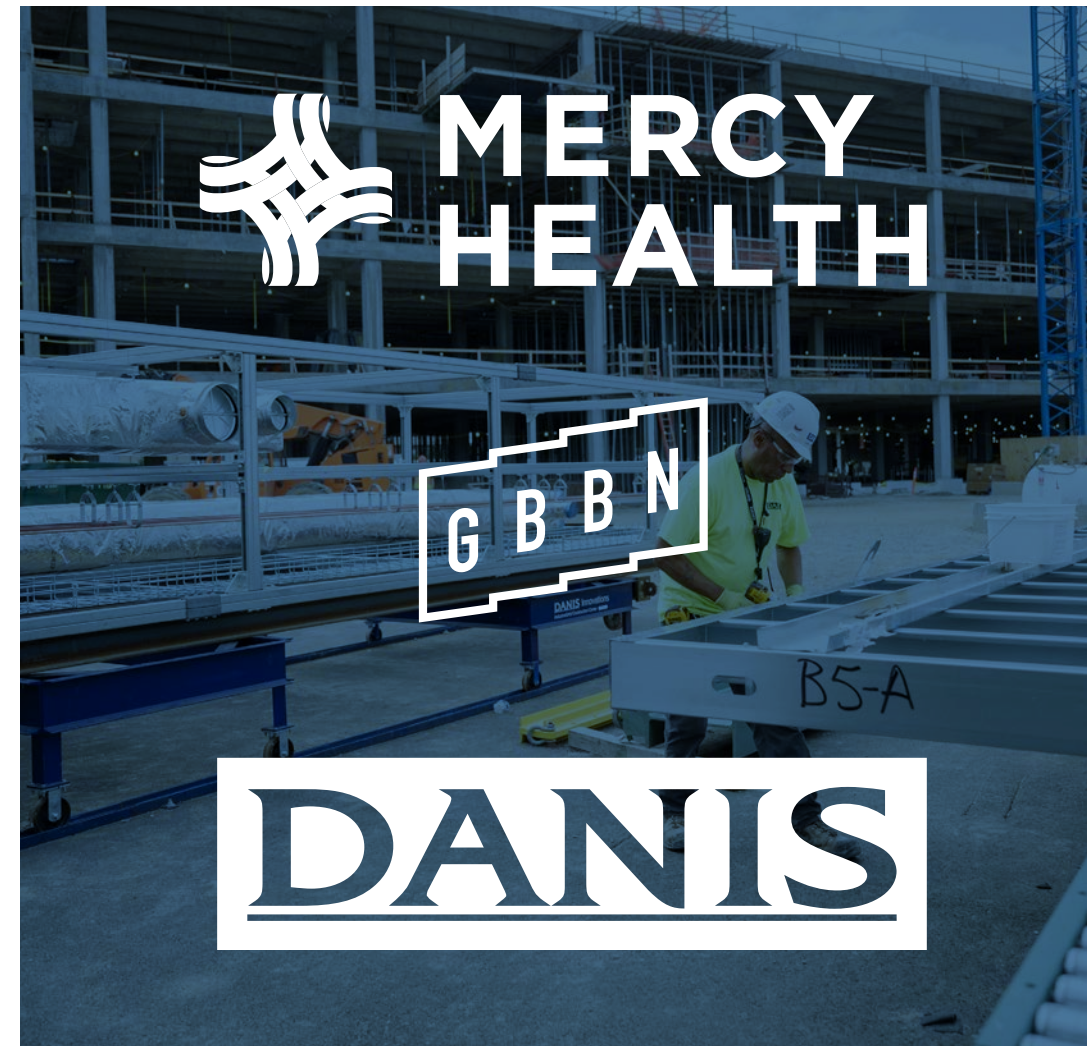


ONSITE ICC CONTINUOUS INNOVATION





VIDEO



MERCY HEALTH

GBBN

DANIS