

Integrated Facility Systems™ (IFS)

CASE STUDY • COMMERCIAL REAL ESTATE



Abstract: A major investment banking and securities firm purchased Eaton Corporation's space-saving Cutler-Hammer Integrated Facility Systems™ (IFS™) for their headquarters in New Jersey. By installing IFS, as opposed to conventional electrical room equipment, the building was able to take advantage of approximately a 28% reduction in electrical room floor space while the contractor was able to save over 5,600 hours of labor time.

Project Type: New, High Rise Construction
Construction Cycle Time: 1 Year
IFS Line-ups: 72
Scope: Replaced Traditional Distribution and Control Package consisting of 360 Panelboards, 72 Transformers, and associated pipe, wire, and fittings.

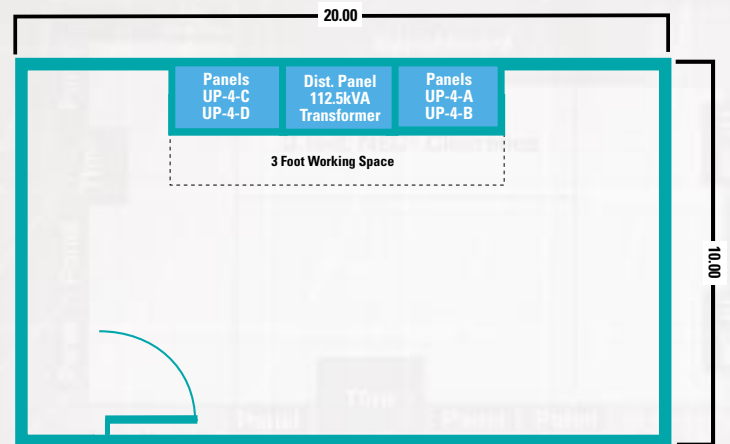
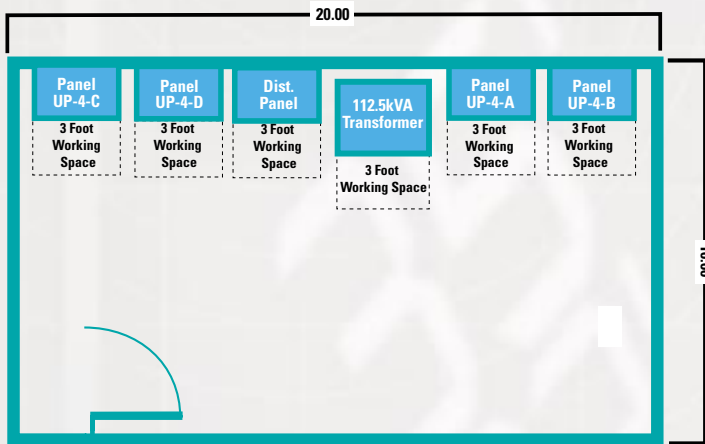


EAT•N

Cutler-Hammer

Conventional Design

IFS™ Design



For Illustration Purposes Only.

	Before IFS	After IFS	Space Savings
Floor Space Savings			
Room Total Floor Space (Sq. Ft.)	200	200	
Room Total Floor Space (Cu. Ft.)	2,400	2,400	
Dedicated and Working Space (Sq. Ft.)	44	32	12 Sq. Ft./28%
Dedicated and Working Space (Cu. Ft.)	528	380	148 Cu. Ft./28%
Labor Cost and Material Savings			
Estimated Labor Cost (Per Room)	\$6,868	\$248	\$6,620/96%
Total Installed Cost (Material and Labor)	\$9,570	\$5,000	\$4,570/47%
Individual Installed Pieces (Per Room)	185 Pieces	2 Pieces	183 Pieces/99%
Estimated Installation Time (Hrs.)	83 Hours	4 Hours	79 Hours
Total Project Savings for 72 Electrical Closets			
Labor Savings			\$476,640
Total Installed Cost Savings (Material and Labor)			\$329,040
Reduction in Pieces Handled			13,176 Pieces
Total Hours Saved			5,688 Hours
Dedicated and Working Space (Sq. Ft.)			864 Sq. Ft.
Dedicated and Working Space (Cu. Ft.)			10,656 Cu. Ft.