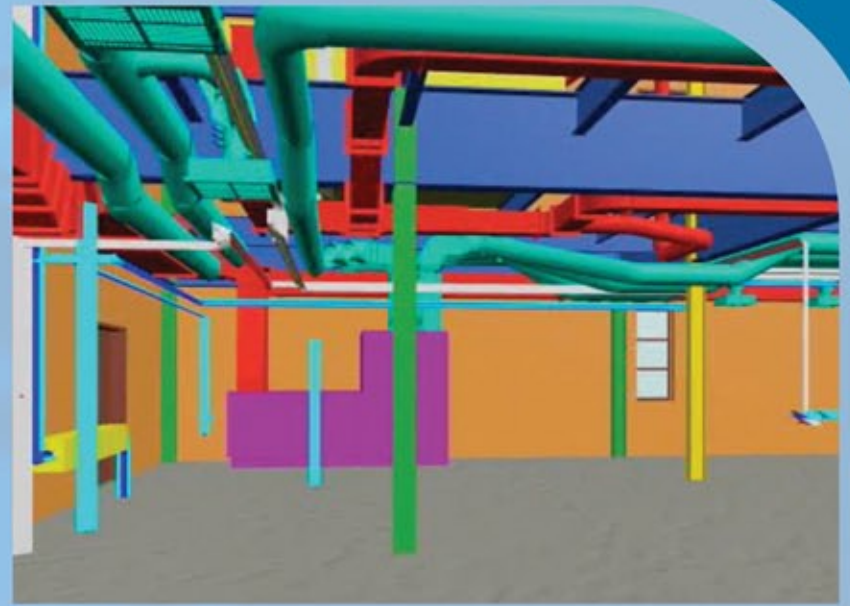
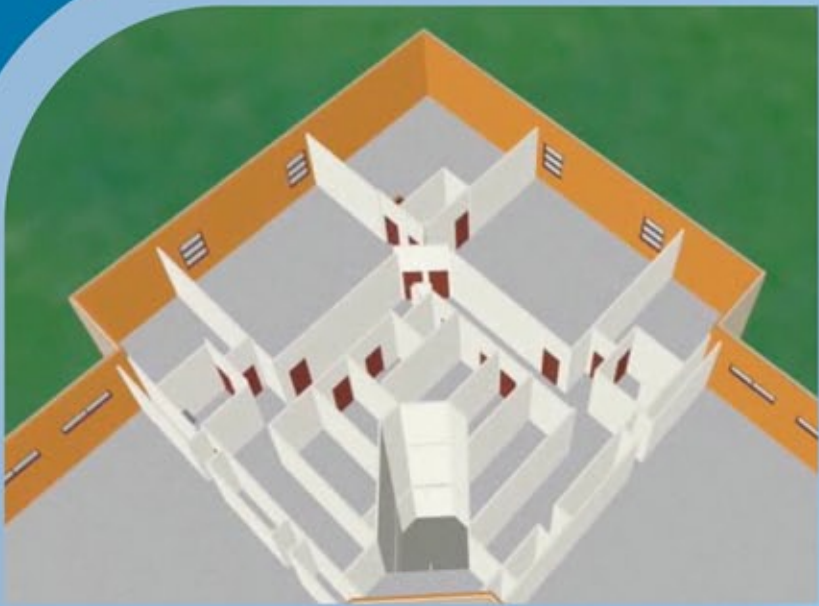


# BUILDING FINALIST

BE AWARDS  
OF EXCELLENCE



## BIM FOR VISUALIZATION AND SIMULATION

The United States Army Corps of Engineers (USACE) is standardizing the design of its military facilities and has designated eight district offices as Centers of Standardization to develop and maintain the standard designs. The challenge was to effectively and efficiently portray the interior and exterior components of the facilities, interior spatial relationships, and integration of the structural and mechanical systems within the architectural models.

The MicroStation visualization and animation tools, Bentley Architecture, Bentley Structural, and other Bentley BIM solutions were the key ingredients in capitalizing on the increased efficiencies provided by BIM across the planning, design, construction, and facilities management phases. The ability to have each discipline produce separate design BIM models and reference each others' work in real-time strongly promoted a spirit of collaboration and a rapid production of design parameters and team design decisions.

**USACE Fort Worth District Basic Combat  
Trainee Barracks BIM**

USACE Fort Worth, Texas