

MISSOURI STATE UNIVERSITY

PLASTER STUDENT UNION - EDUCATION



PROJECT BACKGROUND

Plaster Student Union unites the Missouri State University campus by providing a central hub for students, faculty, staff, and visitors alike. It affords several amenities including offices, food service, retail, conference rooms and entertainment spaces. The facility underwent a retrofit capital improvement to its single air handling unit. A Nortek Air Solutions FANWALL® array was installed along with replacing the heating and cooling coils; thereby mitigating the risk of unreliable air handling operation and rapid growth of expenses through component replacement.

PROJECT TEAM

Owner: Missouri State University, Springfield, MO

Mechanical Contractor: WMC Mechanical, Springfield, MO

Mechanical Engineer: True Engineering Group, Springfield, MO

Rep: Field Mechanical Systems, Springfield, MO

Brand: Nortek Air Solutions Governair

EQUIPMENT PROFILE

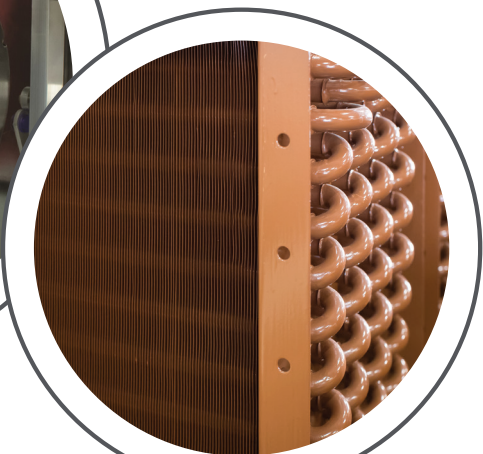
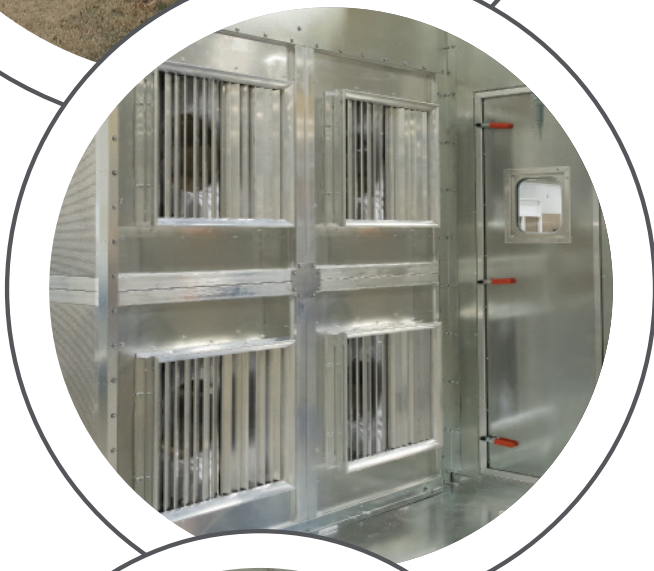
- 24 FANWALL® cubes w/ Variable Frequency Drives (VFD)
- Polymer wheels / ECMi motors
- 100,000 total CFM
- Replacement heating and cooling coils

PRIMARY BENEFITS

- Cost-effective replacement of outdated equipment
- Low sound levels and vibration elimination
- Patented FANWALL Backdraft Dampers
- HPF-P200 Fan Wheels and HPF-P200-ECMi Fans

NORTEK AIR SOLUTIONS ADVANTAGE

- Retrofit integration with existing air frame
- Ability to match new system to actual capacity and airflow requirements at lower internal static pressure & sound decibels
- Minimal downtime or disruption to building student functions with work performed over a weekend



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