



Dehumidify with  
the Experts!

## DESERT AIRE WAR STORY

### *HIGH DEGREES OF DEHUMIDIFICATION Expelling Mold from College Dorms*

#### BATTLEFIELD PROFILE

- Project: North Carolina Central University
- Application: Dormitory Dehumidification
- Desert Aire Units: Four (4) TotalAire™ 46-Ton Systems

#### CUSTOMER'S BATTLE

It's the beginning of the 2003-2004 school year at North Carolina Central University (NCCU) in Durham, NC and the college has come alive with activity. Returning students are eager to get back to class. New students are excited to start their college life on campus.

However, shortly after starting the new school year, students and administrative staff noticed mold and mildew developing throughout two dormitories. The problem even became public and was reported in some local newspapers. Without hesitation, the college moved the students out of the dorms and into area hotels to avoid any health risks.

NCCU couldn't afford exposing students to the mold. On the other hand, it didn't want to close its dorms either. In need of a solution, the college called upon Herb Stanford, an engineer from Stanford-White Engineering. He soon assessed that moisture was a contributing factor to the mold and mildew. Having worked with Desert Aire on previous dehumidification projects, Herb called his Desert Aire rep in the area

#### DESERT AIRE STRATEGY

The rep saw right away that this was a classic IAQ problem; the customer needed to get the dewpoint down as low as possible. There was no alternative. The job called for TotalAire™, which is exactly what was sized up for both buildings. Each dorm was fitted with two TotalAire™ 46-ton units with remote condensers.

After some routine troubleshooting and fine-tuning of the controls on the systems, the units were up and running by the end of the first semester. By February of the second semester, the mold and mildew problems had been mitigated allowing the evacuated students to return.

#### MISSION ACCOMPLISHED - DEBRIEFING

The key to the success at NCCU's dorms was that the TotalAire™ units dramatically reduced the moisture load. The customer was absolutely impressed with TotalAire™'s ability to supply air at 48°F dewpoint and that they were able to solve an emergency design problem with an emergency purchase.