

PARAGON

CAPTIVEAIRE'S SUPERIOR
DEDICATED OUTDOOR AIR SYSTEM



CASE STUDY APPLICATION:

Hotel Corridor Replacement

PRODUCT SPOTLIGHT:

Paragon Dedicated Outdoor Air System (DOAS)

CaptiveAire has long served a hotel in the Boston, MA area for kitchen ventilation needs. Recently, when a corridor HVAC unit covering a high profile wing of the hotel failed, CaptiveAire swiftly delivered a crucial HVAC solution: The Paragon DOAS unit.

A 3rd party split system failed in late July, the hottest part of the summer. The hotel faced disgruntled guests, expensive replacement components, costly service, and long lead times. A quick solution was imperative. Initially, the client planned to replace the unit altogether by integrating a CaptiveAire supply heater with a 3rd party cooling package. However, a Paragon unit was proposed and pursued due to premium performance and reliability, simplified design and install (no split system integration), and a rapid lead time.

Performance data over three months since commissioning in mid-September reveal a successful outcome. While operating 24/7 at 100% outside air:

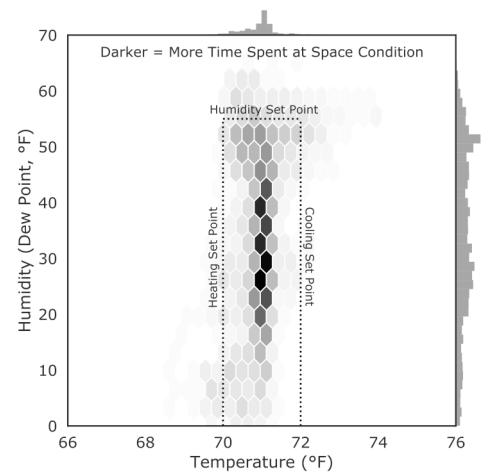
- Space temperatures always remained within 1°F of the set points
- Space humidity (dew point temperatures) did not exceed 3°F of the set point over 99% of the active cooling period

CONCLUSION:

The Paragon DOAS solution demonstrated the key components of a CaptiveAire outcome: Premium quality, excellent application engineering, highly effective unit performance, and short lead times.

“Outstanding response of the sales team and factory on delivering new unit in a quick time frame.”

-Hotel Facilities Manager



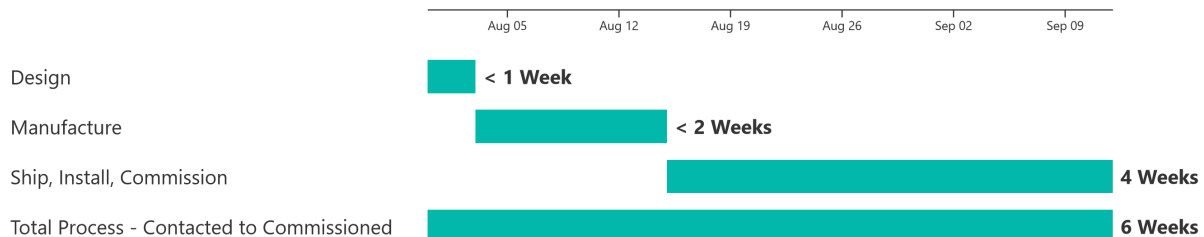
Space Conditions Relative to Set Points



Before



After



Paragon DOAS Delivery Timeline