

ABH Suggested Specification & Configuration

ABH

The active chilled beam shall have an integral recirculation air path through the perforated front panel.

The supply airflow rate shall be manually adjustable using an airflow damper. The hinged front panel can easily be opened and detached for general maintenance and cleaning. The bottom panel shall be removable without any special tools.

The supply air to the room space shall be 1-way.

The active chilled beam shall be 12" wide and 9" high. The active chilled beam shall have an inlet duct diameter of 4".

All exterior panels shall be made of galvanized steel. All visible parts shall be white, painted to #44 White (RAL 9010), 20% gloss.

All pipes shall be manufactured from copper, and connection pipes with a wall thickness of 0.04". The fins shall be manufactured from aluminum. Coil fins shall be spaced at 6 FPI. Optionally, heating shall be incorporated within the heat exchanger by means of two 3/8" pipes, connected in series.

All joints shall be soldered and factory pressure-tested. The pipework's maximum operation pressure is 150 psi.

Active chilled beams shall be protected by a removable plastic coating and individually packed in a plastic bag. The duct connection and pipe ends shall remain sealed during transport.

The active chilled beams shall be identified by a serial number printed on a label attached to the beam.

- 1. MODEL: (XXX)**
ABH - Active Corner Mounted, Exposed Chilled Beam
- 2. AIR PATTERN / NOZZLE TYPE: (X)**
F - 1-Way / Right / Nozzle 3
K - 1-Way / Left / Nozzle 3
G - 1-Way / Right / Nozzle 4
M - 1-Way / Left / Nozzle 4
- 3. DUCT CONNECTION : (XXX)**
S1N - Straight / 4" / Without Damper
- 4. BEAM LENGTH: (XXX)**
72" - 196" (Increments of 4")
- 5. COIL LENGTH: (XXX)**
XXX - Beam Length <= 116",
59" - 116" (Increments of 4") *
XXX - Beam Length >= 120",
57" - 183" (Increments of 4") *
- 6. COIL CONNECTION LOCATION: (X)**
S - Straight
O - Opposite
- 7. COIL TYPE: (X)**
C - Cooling Only
H - Cooling and Heating
D - Cooling Only, Venting Valves
F - Cooling and Heating, Venting Valves
- 8. FINISH: (XXX)**
WHT - White (RAL-9010)
BLK - Black
GRY - Gray
SPL - Special

* Maximum Coil Length is Beam Length less 13".

CHILLED BEAMS

ABH

SAMPLE CONFIGURATION: ABH - M - S1N - 80 - 59 - O - H - BLK