AHB Suggested Specification & Configuration

1. **MODEL: (XXX)**
   AHB - Active Chilled Beam with Boost

2. **AIR PATTERN / NOZZLE TYPE: (X)**
   A - Nozzle 5
   B - Nozzle 6
   C - Nozzle 7

3. **UNIT WIDTH: (XX)**
   39", 47", 55"

4. **DUCT CONNECTION: (X)**
   R - Right
   L - Left
   M - Middle

5. **COIL CONNECTION LOCATION: (X)**
   R - Right
   L - Left

6. **GRILLE COLOR: (X)**
   W - White (RAL-9010)
   X - Special

7. **COIL TYPE: (X)**
   C - Cooling Only
   H - Cooling and Heating

8. **BOOST FAN: (X)**
   N - No
   Y - Yes
   R - Retrofit

9. **CONTROLS: (X)**
   N - No
   X - Special

10. **BUS CONNECTION: (X)**
    N - No
    X - Special

11. **CONTROL VALVES: (X)**
    N - No
    X - Special

12. **VALVE ACTUATOR: (X)**
    N - No
    X - Special

13. **ACCESSORIES: (X)**
    N - No
    X - Special

AHB

The Krueger by Halton AHB unit is an active chilled beam for bulkhead and enclosed installation with return and supply air grilles. The AHB has an option of a boost fan integrated into the unit. The AHB has an option of a condensate pan integrated into the unit.

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

The bottom return panel shall be telescoping up to 2" and the supply connection shall be telescoping up to 8".

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

The active chilled beam shall be 39" wide and 10" high. The active chilled beam shall have an inlet duct diameter of 5". The position of the duct connection shall be changeable and be able to be located at the right, left, or middle of the supply air plenum.

The frame, front, and side 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. The heat exchanger shall be oriented such that the water connections may be located on either the right or left side of the beam.

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.

SAMPLE CONFIGURATION: AHB - A - 39 - R - L - W - H - Y - X - X - X - X - N