



CHILLER NOISE REDUCTION SYSTEM

HUSHCORE® **SUPREME™ HG** Chiller Noise Reduction Systems:

Shall consist of HUSH GUARD™ Acoustical Metal Panels.

1. HUSH GUARD™ Acoustical Metal Panels shall consist of a sandwich construction of solid galvanized outer skin, acoustical insulation fill, perforated galvanized inner skin. The acoustical panels shall be mounted in a structural steel frame (consisting of columns, base plates, and bolts). One (1) acoustical Double Door with hardware shall be included.
 - a. The complete system (including below grade support system) shall be designed and stamped to meet the specified codes for wind and seismic loads by a licensed engineer.
 - b. Support footers and all work below grade/roofing is by OTHERS.
 - c. OEM Factory Acoustical Packages by the Chiller Manufacturer are not acceptable.
 - d. The complete system shall meet all environmental conditions such as temperature, wind, shrinkage, UV-rays, and moisture.

Basis of Design: BRD Noise and Vibration Control, Inc., Wind Gap, PA - (610) 863-6300, www.HUSHCORE.net.

ACOUSTICAL PERFORMANCE

- a. To assure optimized aerodynamic and acoustic performance as well as proper integration and coordination of the final installation, the HUSHCORE® System shall be supplied by the chiller unit manufacturer as part of a complete package.
- b. All Noise Control Materials Manufacturer's shall deliver a complete submittal of the HUSHCORE® System in compliance with the acoustical performance as listed in this specification.
- c. When operating at worst case noise conditions, the chiller with prescribed noise treatments shall not exceed _____ dBA at the nearest adjacent property line.
 1. Chiller Sound Pressure (Lp) at the nearest property line, including the specified HUSHCORE® System, shall not exceed the following octave band sound levels:

Freq. (Hz)	<u>63</u>	<u>125</u>	<u>250</u>	<u>500</u>	<u>1000</u>	<u>2000</u>	<u>4000</u>	<u>8000</u>	<u>dBA</u>
Sound Pressure (Lp)	[]	[]	[]	[]	[]	[]	[]	[]	[]