

Noise Levels

- 150 dB Jet plane.
- 140 dB Explosion.
- 130 dB Artillery fire, machine gun, riveting.
- 120 dB Siren at 100 ft, sonic boom.
- 110 dB Woodworking shop.
- 100 dB Subway, lawnmower, outboard motor.
- 90 dB Truck train whistle, kitchen blender, jackhammer.
- 80 dB Printing press, noisy office.
- 70 dB Average street noise, average radio.
- 60 dB Noisy home, average office, normal conversation.
- 50 dB General office, radio, average home.
- 40 dB Private office, moderately quiet home.
- 35 dB Quiet conversation.
- 20 dB Empty auditorium, faint Whisper
- 10 dB Rustling leaves, human breathing

Submitted at City Council

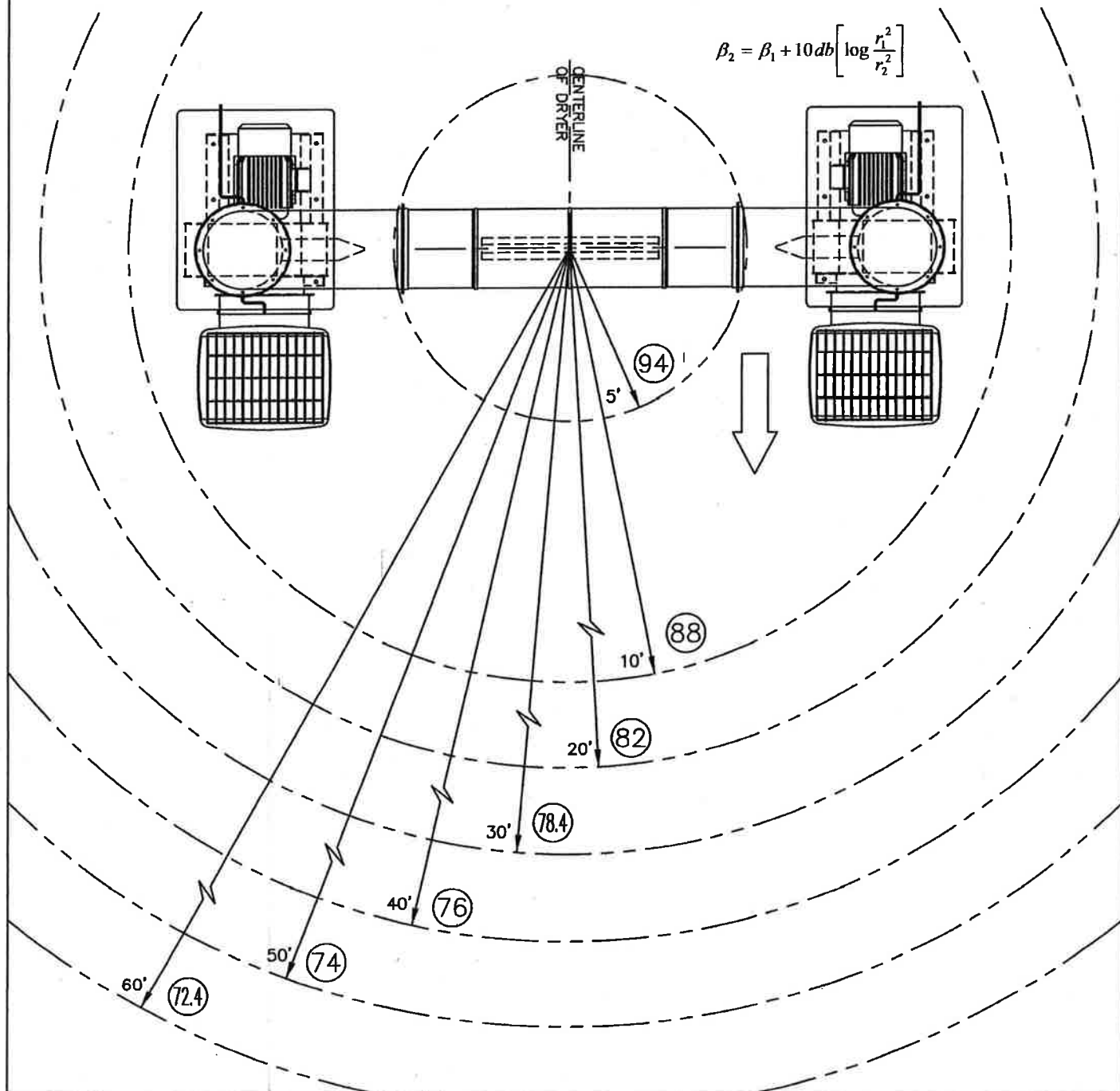
Date 6/1/11 Item 67/68

By: Rudy Starke

— SOUND WAVE
 (XXX) DECIBEL LEVEL

THESE dBA VALUES ARE CALCULATED SOUND INTENSITY LEVELS INTERPOLATED FROM AN ORIGINAL READING AT A GIVEN DISTANCE FROM THE CENTERLINE OF THE DRYER IN THE FACTORY. IN A CARWASH ENVIRONMENT SOUND LEVELS FROM TRAFFIC AND OTHER EQUIPMENT AS WELL AS STRUCTURES THAT BREAK UP THE SOUND WAVES WILL AFFECT TOTAL SOUND LEVELS. THE FOLLOWING FORMULA IS USED TO CALCULATE SOUND LEVEL INTENSITY (dB) BETWEEN KNOWN RADII:

$$\beta_2 = \beta_1 + 10 \text{ db} \left[\log \frac{r_1^2}{r_2^2} \right]$$



TITLE: WINDSHEAR INBAY
 WITH SILENCING PACKAGE
 INTERPOLATED DECIBEL READING

Proto-Vest Inc.

CAD DWG. NAME: DCBLSBY | SHT. 1 OF 1 | DRAWN BY: K. KNORP | DATE CREATED: 9/8/03 | DATE LAST EDITED: 9/30/03 | BY: KK

Information

Current Tool: Pan

Coordinates In State Plane ft

X: 745582 **Y:** 26759639

Flight Date: Most Current Flight

Current View: Assessor Map

Current Tool: Pan

Coordinates in State Plane ft

X: 745582 Y: 26759639

Flight Date: Most Current Flight

Current View: Assessor Map

