

APPENDIX F4

HVAC ANALYSIS

HVAC Noise Analysis

Name	Sound Power Level (dBA)	Reference Noise Level at 50 ft (dBA L _{eq})	Reference Distance (ft)	Distance ¹ (ft)	Noise Level (dBA L _{eq})
HAVC 1	79	47.4	50	840	22.9
HAVC 2	79	47.4	50	785	23.5
HAVC 3	79	47.4	50	720	24.2
HAVC 4	79	47.4	50	665	24.9
HAVC 5	79	47.4	50	600	25.8
HAVC 6	79	47.4	50	545	26.7
HAVC 7	79	47.4	50	480	27.8
HAVC 8	79	47.4	50	425	28.8
HAVC 9	79	47.4	50	365	30.1
HAVC 10	79	47.4	50	300	31.8
HAVC 11	79	47.4	50	245	33.6
HAVC 12	79	47.4	50	190	35.8
Combined Noise Level					40.7

¹ The distance from the HVAC unit to the residential property line.