



## ACOUSTICAL ANALYSIS REPORT

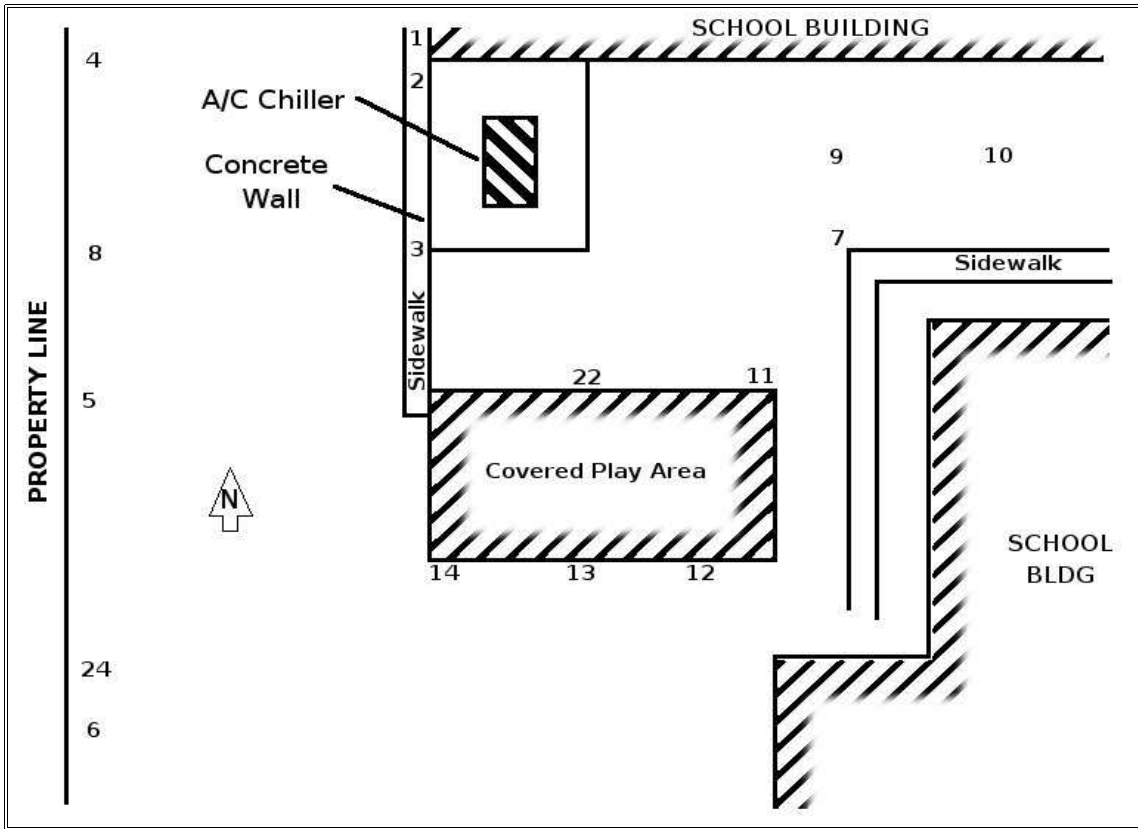
CLIENT: ***** ELEMENTARY	CLIENT PHONE(S): *****
PHYSICAL ADDRESS: *****	FIELD CONTACT: *****
BRADENTON FL	TITLE: Senior Mechanical Engineer
	SPECIAL INSTRUCTIONS:
<b>PRE-INSTALLATION CONDITIONS &amp; DATA</b>	<b>POST-INSTALLATION CONDITIONS &amp; DATA</b>
TECHNICIAN(S): MARYLIN	TECHNICIAN(S): S. KINNEY
START DATE/TIME: OCT 4 2004 09:15	START DATE/TIME: JAN 3 2005 15:20
END DATE/TIME: OCT 4 2004 10:40	END DATE/TIME: JAN 3 2005 16:00
TEMP: 80 DEF F WIND: E 7 MPH HUMIDITY: 79%	TEMP: 79 DEG F WIND: E 4-6 MPH HUMIDITY: 54%
EQUIPMENT USED (Maker/Model): Sencore SP 295	EQUIPMENT USED (Maker/Model): Sencore SP 295
INCIDENTAL NOISE SOURCES:	INCIDENTAL NOISE SOURCES:

LOCA TION	PRE-INSTALLATION RESULTS					POST-INSTALLATION RESULTS					DIFFERENCE	
	NC	LMTG BAND	LB DB	SPL DB	SPL /WT	NC	LMTG BAND	LB DB	SPL DB	SPL /WT	NC	SPL
	1	52	1000	53.7	85.6		38	63	39	45		-14.0
2	52	1000	54.2	86.1		47	250	49.1	62.4		-5	-23.7
3												
4	46	1000	49.2	72		40	500	41.1	47.7		-6	-24.3
5	49	1000	49.8	62.3		38.8	63	39	44.5		-10.2	-17.8
6	46	1000	50	64.1		39	250	40.8	46		-7	-18.1
7	53	500	49.1	72		41	63	43.6	46.3		-12	-25.7
8	50	1000	49.2	71.2		38	63	42.7	46.3		-12	-24.9
9	49	1000	49.7	70.1		42	500	45.1	50.9		-7	-19.2
10	47	1000	49.3	65.6		40	250	42.1	47.1		-7	-18.5
11	53	250	53.7	76.4		44	250	46.1	51.1		-9	-25.3
12	53	250	55.1	69.2		45	250	47.1	51.7		-8	-17.5
13	54	250	56.9	69.2		44	250	45.5	51		-10	-18.2
14	50	250	57.1	70.1		44	250	45	50.1		-6	-20
15	52	500	53.2	83.5		44	250	44.9	51.2		-8	-32.3
16	55	1000	54.3	71.8		43	250	45	49.1		-12	-22.7
22	53	250	59	76.8		42	63	43	48.6		-11	-28.2
23	64	250	73.9	85.5								
24	56	63	51	63.7		38	2000	41.2	45.4		-18	-18.3

**LOCATION:** See attached map specifying location of test readings.

**NC: Noise Criteria**, preferred measurement relative to human hearing.

**SPL:** Sound Pressure Level is raw sound energy, typically cited in regulatory requirements.



CHILLER IS ENCLOSED IN 10 FT CONCRETE BLOCK WALL, BACKING UP TO A 25 FT WALL WHICH REFLECTS SOUND. ACOUSTIBLOK PANELS SURROUND CHILLER INSIDE BLOCK WALL, 10 INCHES OFF THE GROUND AND OPEN AT THE TOP.

CHILLER UNIT IS APPROXIMATELY 50 FT FROM THE PROPERTY LINE.



TOP VIEW OF INSTALLATION