

### SCHEDULE NOTES

- ① PROVIDE DUCT CONNECTION TRANSITIONS AS REQUIRED AT INLET & OUTLET. MINIMUM TRANSITION 30 DEGREE OFFSET.
- ② WHERE POSSIBLE INSTALL A SINGLE MODULE. IF A SINGLE MODULE CANNOT MEET THE DUCT DIMENSIONS, UTILIZE MULTIPLE MODULES OF THE LARGEST SIZE AVAILABLE.

### ACOUSTICAL NOTES

1. ALL PIPING SHALL BE SUSPENDED FROM RESILIENT HANGERS OR FLOOR SUPPORTED FROM RESILIENT MOUNTS TO ISOLATE FROM STRUCTURE, FORTHE FOLLOWING LOCATIONS:
  - A. ALL PIPING AND DUCT WORK LOCATED IN MECHANICAL ROOMS.
  - B. 50'-0" BEYOND MECHANICAL ROOMS.
  - C. 10'-0" BELOW OR ADJACENT TO CRITICAL LISTENING SPACES.
  - D. INSIDE CRITICAL LISTENING SPACES.
  - E. ALL EXPOSED PIPING IN OCCUPIED SPACES.
  - F. ALL PIPE GREATER THAN 2" IN DIAMETER.
2. THE FIRST THREE VIBRATION ISOLATORS FROM THE CONNECTED EQUIPMENT SHOULD HAVE THE SAME DEFLECTION AS THE VIBRATION ISOLATION DEVICES FOR THE CONNECTED EQUIPMENT.

#### CRITICAL LISTENING SPACES

1. THEATER NC ≤ 25

#### SOUND CRITICAL SPACES

1. DRESSING ROOMS NC 35 <
2. GREEN ROOM NC 30 <
3. FOLLOWSPOT AND PROJECTION ROOM NC 30 <
4. LOBBIES AND PUBLIC CIRCULATION AREAS NC ≤ 40
5. RECEPTION NC < 35
6. TICKETS/RETAIL/BAR NC ≤ 40

**NOTE:** ALL TERMINAL BOX AND DIFFUSER CONNECTIONS IN THE CRITICAL LISTENING SPACES SHALL BE HARD DUCTED.

### SOUND ATTENUATOR SCHEDULE

ITEM	UNIT SERVED	SHEET LOCATION	MFR./MODEL MO.	CFM	MAX. PD (IN. WC)	SILENCER FACE VEL. (FPM)	SIZE W x H x L (IN.)	DYNAMIC INSERTION LOSS (DIL) RATINGS								MAX. REGEN. SOUND POWER								REMARKS	
								63	125	250	500	1000	2000	4000	8000	63	125	250	500	1000	2000	4000	8000		
SA 1S-1	AH 1	SUPPLY	M-1.13	INDUSTRIAL ACOUSTICS COMPANY / 7LFS	10,000	0.17	+500	60x48x84	14	25	41	48	49	36	28	19	46	42	45	43	45	49	44	37	①②
SA 1S-2	AH 1	SUPPLY	M-1.13	INDUSTRIAL ACOUSTICS COMPANY / 7LFS	10,000	0.17	+500	60x48x84	14	25	41	48	49	36	28	19	46	42	45	43	45	49	44	37	①②
SA 2S-1	AH 2	SUPPLY	M-1.13	INDUSTRIAL ACOUSTICS COMPANY / 5LFS	21,000	0.28	+660	96x48x60	14	19	32	37	39	27	22	16	46	42	45	43	45	49	44	37	①②
SA 3S-1	AH 3	SUPPLY	M-1.08	INDUSTRIAL ACOUSTICS COMPANY / 10LFS	11,500	0.87	+1000	46x36x120	21	29	47	53	53	46	36	23	46	42	45	43	45	49	44	37	①②
SA 3S-2	AH 3	SUPPLY	M-1.11	INDUSTRIAL ACOUSTICS COMPANY / 10LFS	6,700	0.25	+560	48x36x120	22	30	48	53	53	46	34	22	46	42	45	43	45	49	44	37	①②
SA 4S-1	AH 4	SUPPLY	M-1.08	INDUSTRIAL ACOUSTICS COMPANY / 10LFS	11,500	0.87	+1000	46x36x120	21	29	47	53	53	46	36	23	46	42	45	43	45	49	44	37	①②
SA 4S-2	AH 4	SUPPLY	M-1.11	INDUSTRIAL ACOUSTICS COMPANY / 10LFS	6,700	0.25	+560	48x36x120	22	30	48	53	53	46	34	22	46	42	45	43	45	49	44	37	①②
SA 5S-1	AH 5	SUPPLY	M-1.10	INDUSTRIAL ACOUSTICS COMPANY / 7LFM	2,400	0.06	+480	30x24x84	15	17	32	42	39	21	16	14	47	34	36	35	40	37	27	20	①②
SA 5S-2	AH 5	SUPPLY	M-1.10	INDUSTRIAL ACOUSTICS COMPANY / 7LFM	5,600	0.28	+1120	30x24x84	15	16	31	41	38	22	16	14	47	34	36	35	40	37	27	20	①②
SA 6S-1	AH 6	SUPPLY	M-1.10	INDUSTRIAL ACOUSTICS COMPANY / 5LFS	13,000	0.55	+930	48x42x60	13	19	31	36	39	27	22	16	46	42	45	43	45	49	44	37	①②
SA 6S-2	AH 6	SUPPLY	M-1.10	INDUSTRIAL ACOUSTICS COMPANY / 5LFS	7,000	0.33	+560	48x30x60	14	19	32	37	39	27	22	16	46	42	45	43	45	49	44	37	①②
SA 7S-1	AH 7	SUPPLY	M-1.13	INDUSTRIAL ACOUSTICS COMPANY / 5LFS	3,000	0.14	+720	30x20x60	14	19	32	37	39	27	22	16	46	42	45	43	45	49	44	37	①②
SA 1R-1	AH 1	RETURN	M-1.13	INDUSTRIAL ACOUSTICS COMPANY / 7LFS	10,000	0.17	-500	60x48x84	15	26	43	49	50	35	26	17	45	42	45	43	45	49	44	37	①②
SA 1R-2	AH 1	RETURN	M-1.13	INDUSTRIAL ACOUSTICS COMPANY / 7LFS	10,000	0.17	-500	60x48x84	15	26	43	49	50	35	26	17	45	42	45	43	45	49	44	37	①②
SA 2R-1	AH 2	RETURN	M-1.13	INDUSTRIAL ACOUSTICS COMPANY / 5LFS	21,000	0.28	-660	96x48x60	16	21	35	41	41	28	21	15	45	42	45	43	45	49	44	37	①②
SA 3R-1	AH 3	RETURN	M-1.11	INDUSTRIAL ACOUSTICS COMPANY / 7LFS	18,200	0.23	-570	96x48x84	15	26	43	49	50	35	26	17	45	42	45	43	45	49	44	37	①②
SA 4R-1	AH 4	RETURN	M-1.11	INDUSTRIAL ACOUSTICS COMPANY / 7LFS	18,200	0.23	-570	96x48x84	15	26	43	49	50	35	26	17	45	42	45	43	45	49	44	37	①②
SA 5R-1	AH 5	RETURN	M-1.10	INDUSTRIAL ACOUSTICS COMPANY / 5LFM	8,000	0.53	-1600	30x24x60	12	15	27	31	30	17	13	13	49	45	46	49	51	52	47	39	①②
SA 6R-1	AH 6	RETURN	M-1.10	INDUSTRIAL ACOUSTICS COMPANY / 5LFM	20,000	0.43	-1430	48x42x60	12	15	27	31	30	17	13	13	49	45	46	49	51	52	47	39	①②
SA 1RF-1	RF 1	RETURN	M-1.11	INDUSTRIAL ACOUSTICS COMPANY / 7LFS	6,520	0.23	-550	36x48x84	15	26	43	49	50	35	26	17	45	42	45	43	45	49	44	37	①②
SA 1RF-2	RF 1	RETURN	M-1.08	INDUSTRIAL ACOUSTICS COMPANY / 7LFS	6,520	0.66	+1050	30x30x84	13	19	31	36	39	27	22	16	46	42	45	43	45	49	44	37	①②
SA 2RF-1	RF 2	RETURN	M-1.11	INDUSTRIAL ACOUSTICS COMPANY / 7LFS	6,520	0.23	-550	36x48x84	15	26	43	49	50	35	26	17	45	42	45	43	45	49	44	37	①②
SA 2RF-2	RF 2	RETURN	M-1.08	INDUSTRIAL ACOUSTICS COMPANY / 7LFS	6,520	0.66	+1050	30x30x84	13	19	31	36	39	27	22	16	46	42	45	43	45	49	44	37	①②
SA 3RF-1	RF 3	RETURN	M-1.00	INDUSTRIAL ACOUSTICS COMPANY / 7LFS	6,200	0.23	-520	48x36x84	15	26	43	49	50	35	26	17	45	42	45	43	45	49	44	37	①②
SA 3RF-2	RF 3	RETURN	M-1.00	INDUSTRIAL ACOUSTICS COMPANY / ELBM	6,200	0.14	+830	36x30x60	8	12	22	36	38	26	18	13	57	59	54	54	54	55	50	40	①②
SA 4RF-1	RF 4	RETURN	M-1.00	INDUSTRIAL ACOUSTICS COMPANY / ELBM	6,200	0.14	-830	36x30x60	9	13	23	36	38	25	17	12	59	64	60	60	58	59	54	45	①②
SA 4RF-2	RF 4	RETURN	M-1.00	INDUSTRIAL ACOUSTICS COMPANY / ELBM	6,200	0.14	+830	36x30x60	8	12	22	36	38	26	18	13	57	59	54	54	54	55	50	40	①②
SA 5RF-1	RF 5	RETURN	M-1.00A	INDUSTRIAL ACOUSTICS COMPANY / 7LFS	4,080	0.17	-500	46x26x84	15	26	43	49	50	35	26	17	45	42	45	43	45	49	44	37	①②
SA 5RF-2	RF 5	RETURN	M-1.00A	INDUSTRIAL ACOUSTICS COMPANY / ELBM	4,080	0.06	+550	36x30x60	8	12	22	36	38	26	18	13	57	59	54	54	54	55	50	40	①②
SA 6RF-1	RF 6	RETURN	M-1.00A	INDUSTRIAL ACOUSTICS COMPANY / 7LFS	4,080	0.17	-500	46x26x84	15	26	43	49	50	35	26	17	45	42	45	43	45	49	44	37	①②
SA 6RF-2	RF 6	RETURN	M-1.00A	INDUSTRIAL ACOUSTICS COMPANY / ELBM	4,080	0.06	+550	36x30x60	8	12	22	36	38	26	18	13	57	59	54	54	54	55	50	40	①②
SA EF3-1	EF 3	EXHAUST	M-1.08	INDUSTRIAL ACOUSTICS COMPANY / 3LFM	1,000	0.10	-670	18x12x36	7	8	17	20	18	13	11	11	45	40	43	45	47	46	37	27	①②
SA EF4-1	EF 4	EXHAUST	M-1.13	INDUSTRIAL ACOUSTICS COMPANY / 5LFM	2,000	0.17	-1,000	18x16x60	12	15	27	31	30	17	14	13	42	40	43	45	47	46	37	27	①②
SA EF6-1	EF 6	EXHAUST	M-1.08	INDUSTRIAL ACOUSTICS COMPANY / 3LFM	800	0.15	-800	12x12x36	7	8	17	20	18	13	11	11	45	40	43	45	47	46	37	27	①②

RE-NUMBERED SHEET

**THE SAENGER THEATRE RENEWAL PROJECT**  
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04.02.10	2	GMP CONTRACT SET
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