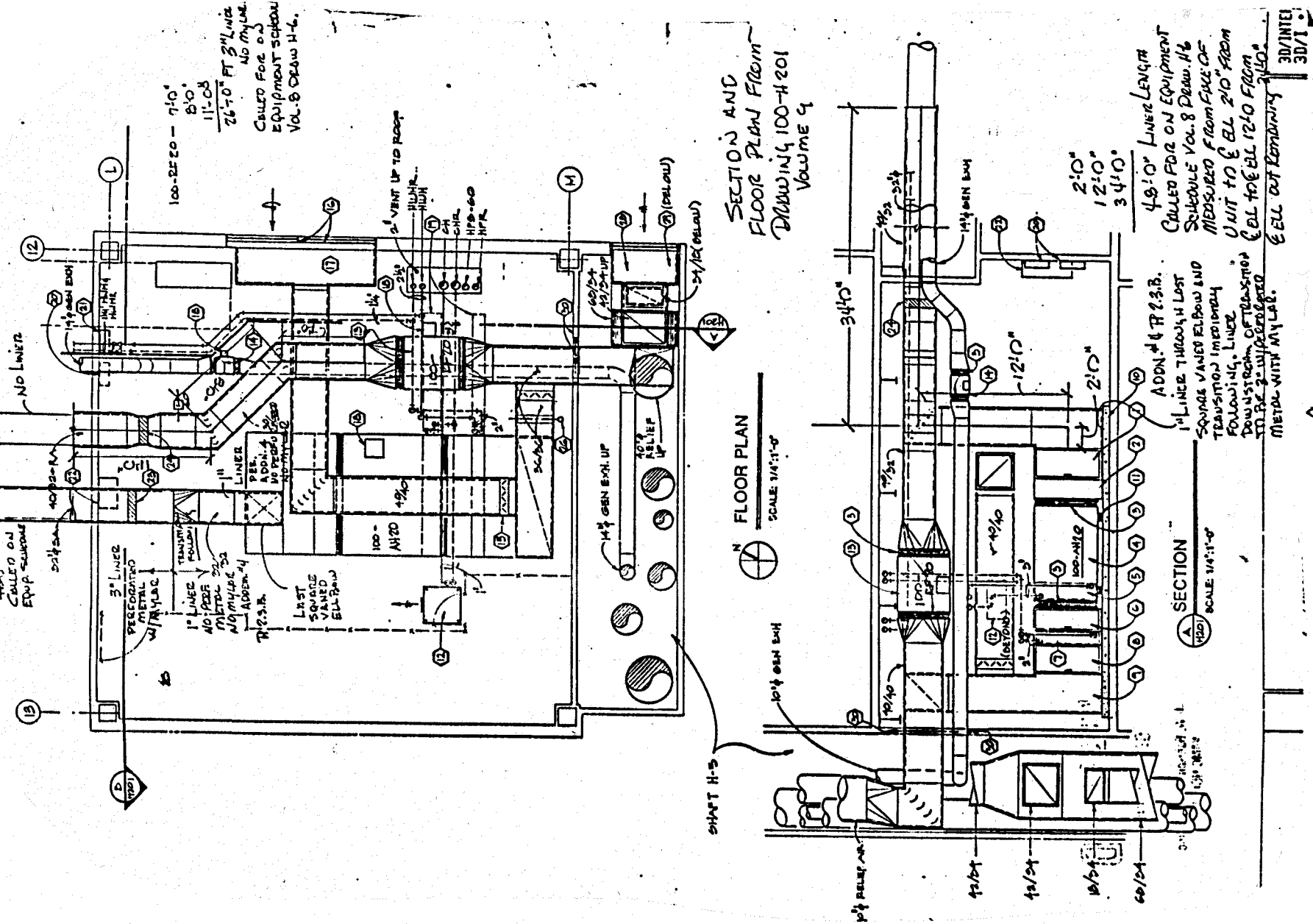


# SOUND ATTENUATION FOR AIR MOVING EQUIPMENT

SOUND ATTENUATION FOR AIR MOVING EQUIPMENT

AIR MOVING EQUIPMENT		EQUIP. MAX SOUND POWER LEVELS-DB								SOUND ATTENUATING UNIT		LIMITED		DYNAMIC INSERTION LOSS-DB								REMARKS
UNIT NO.	CFM RANGE	OCTAVE BANDS								UNIT NO.	DIMENSIONS W X L X H S.P.	MAX. LENGTH FEET	DUCT LINER	OCTAVE BANDS								
		1	2	3	4	5	6	7	8					1	2	3	4	5	6	7	8	
100-AH 2.4	2,000-4,000	102	100	92	88	84	82	78	72					12	19	36	30	16	9			
100-AH 4.0	4,000-8,000	105	100	92	90	86	84	80	76			48	YES	18	16	30	20	11	6			
100-AH 120.35-374.0-80.97	10,000-20,000	105	100	92	90	86	84	80	76			52	YES	6	16	30	18	11	9			
67.75-98	8,000-25,000	105	101	91	88	84	80	77				52	YES	6	16	30	18	11	9			
100-AH 223.25-543.66	8,000-25,000	105	101	92	88	84	81	77				56	YES	5	15	28	14	11	9			
100-AH 50	26,000-34,000	105	101	92	88	84	81	77				37	YES	4	10	19	10	7	6			
100-AH 54	26,000-34,000	105	101	92	88	84	81	77				40	YES	3	10	19	10	7	6			
100-AH 4	34,000-42,000	106	103	94	89	85	82	78				64	YES	5	16	29	13	11	9			
100-AH 25	42,000-47,000	107	105	103	96	91	87	83	79			44	YES	12	20	36	31	18	11			
100-EF 6	2,000-40,000	102	100	92	88	84	82	78	72			26	NO	8	20	37	23	14	11			
100-EF 36	10,000-8,000	93	97	100	98	93	89	83				32	NO	7	21	38	18	15	12			
100-EF 56	8,000-26,000	93	97	100	98	95	90	84				38	NO	7	23	40	17	15	14			
100-EF 70	26,000-34,000	96	98	103	102	100	94	91				44	NO	7	26	45	17	16	15			
100-RF 2.4-3.14-5.47-7.25-30.32-34	2,000-4,000	92	96	96	95	95	93	89	83			20	NO	8	1	33	23	12	9			
374.35-92.44-66.45-55.71	2,000-4,000	92	96	96	95	95	93	89	83			20	NO	8	1	33	23	12	9			
59.65-63.68-71.73-53.71-66	2,000-4,000	92	96	96	95	95	93	89	83			20	NO	8	1	33	23	12	9			
83.65-87.69-88.93-95	2,000-4,000	92	96	96	95	95	93	89	83			20	NO	8	1	33	23	12	9			
100-RF 6	26,000-34,000	96	98	103	102	100	94	91				22	NO	4	15	26	11	10	9			
100-RF 120.21-24.26-36.37-38.40	10,000-8,000	92	97	100	98	93	89	83				26	NO	8	20	37	23	14	11			
80.97-98	10,000-8,000	92	97	100	98	93	89	83				26	NO	8	20	37	23	14	11			
100-RF 22.23-27.52-65.65-66.77	8,000-26,000	93	97	100	98	95	90	84				32	NO	7	21	35	13	15	12			
100-RF 26.53	26,000-34,000	96	98	103	102	100	94	91				38	NO	7	23	40	17	15	14			
100-RF 41	34,000-42,000	98	99	105	103	103	97	95				44	NO	7	26	45	17	16	15			
100-RF 41	34,000-42,000	98	99	105	103	103	97	95				44	NO	7	26	45	17	16	15			
100-AH 12.4-16.33-35.55-86.6	-2,000	99	98	90	85	81	78	75	70			24X36X18	.25"	1	9	14	19	22	28	30	13	
100-AH 29.34-43.45-47.49-58-60-62	2,000-4,000	99	98	90	85	81	78	75	70			30X36X24	.25"	1	9	14	19	22	28	30	13	
64.63-72.71-76.78-82.84	2,000-4,000	99	98	90	85	81	78	75	70			30X36X24	.25"	1	9	14	19	22	28	30	13	
86.90-92.94-96	2,000-4,000	99	98	90	85	81	78	75	70			30X36X24	.25"	1	9	14	19	22	28	30	13	
100-AH 75	2,000-4,000	102	100	91	87	82	80	76	72			48X36X24	.25"	1	9	14	19	22	28	30	13	
100-AH 66.68-71.81-83	6,000-8,000	102	100	92	88	84	82	78	72			48X36X36	.25"	1	9	14	19	22	28	30	13	
100-AH 157.32-42.46-55.65-61.77	8,000-10,000	102	100	92	88	84	82	78	72			SA 6-17-32-145-148-155-159-164-177-1		1	9	14	19	22	28	30	13	
87.15-93.95	8,000-10,000	102	100	92	88	84	82	78	72			SA 8-17-32-135-135-1		1	9	14	19	22	28	30	13	
100-AH 26.47-44.63-85.89	10,000-20,000	102	100	92	88	84	82	78	72			SA 28-134-144-163-165-189-1		1	9	14	19	22	28	30	13	
100-AH 130.13-57	10,000-20,000	102	100	92	88	84	82	78	72			SA 1-130-157-1		1	9	14	19	22	28	30	13	
100-AH 13	16,000-8,000	105	100	101	98	83	80	76	SA 8-1			72X36X42	.25"	1	9	14	19	22	28	30	13	
100-AH 79	32,000-34,000	105	100	101	92	88	84	81	77	SA 79-1		72X36X42	.25"	1	9	14	19	22	28	30	13	



## TWO PIPE FAN COIL UNITS

TWO PIPE FAN COIL UNITS

UNIT NO.	LOCATION	FAN CFM	MIN. COIL SURF. BTU/H	MIN. TOTAL BTU/H	EXTR. AIR %	CPM	MAX. COIL SURF. P.D.	OPER. TEMP.	FAN MOTOR WATTS/HP.	REMARKS
					DB	WB			WATTS/HP.	
100-F01	TRANS RM 8BA	800	38,400	65,000	85	71	8.7	44	1/2	460/3
100-F02	TRANS RM 8BB	2000	52,000	75,000	85	71	8.0	44	1/2	460/3
100-F03	TRANS RM 8BC	2000	52,000	75,000	85	71	8.0	44	1/2	460/3
100-F04	TRANS RM 8BD	800	53,000	75,000	85	75	12	44	1/4	120/1
100-F05	TRANS RM 8BD	2000	52,000	75,000	85	71	8.4	44	1/2	460/3
100-F06	ELEV RM 8BT	2000	21,000	35,000	90	75	3.9	44	1/3	120/1
100-F07	ELEV RM 8BT	2000	30,000	40,000	85	71	4.7	44	1/3	120/1
100-F08	MECH BAY 8-56	800	30,000	40,000	85	71	4.7	44	1/3	120/1
100-F03A.15	TRANS RM 8BA	200	25,600	35,000	85	71	3.5	44	1/3	120/1
100-F06.17	MECH BAY 8-3AJM	200	30,000	40,000	85	71	4.7	44	1/3	120/1
100-F09.20.21	TRANS RM 8BL	2000	52,000	75,000	85	71	8.4	44	1/2	460/3
100-F022	ELEV RM 8BH	800	14,000	14,000	85	71	1.4	44	1/4	120/1
100-F023.24	TRANS RM 8BO	2000	30,000	40,000	85	71	4.7	44	1/3	120/1
100-F025.26.27.28	MECH BAY 1-44	800	42,000	60,000	85	71	9.2	44	1/2	460/3
100-F029.30	MECH BAY 1-55	2000	30,000	40,000	85	71	4.7	44	1/3	120/1
100-F031 THRU 35	MECH BAY 1-42	800	42,000	60,000	85	71	9.2	44	1/2	460/3
100-F037 THRU 47	MECH BAY 2-56	2000	30,000	40,000	85	71	4.7	44	1/3	120/1
100-F043 THRU 47	MECH BAY 2-74	800	42,000	60,000	85	71	9.2	44	1/2	460/3
100-F046.48.50.51	MECH BAY 3-44	800	42,000	60,000	85	71	9.2	44	1/2	460/3
100-F052.53	MECH BAY 3-56	2000	30,000	40,000	85	71	4.7	44	1/3	120/1
100-F054.55.56.57	MECH BAY 2-74	800	42,000	60,000	85	71	9.2	44	1/2	460/3
100-F058.59.60.61	MECH BAY 4-44	800	42,000	60,000	85	71	9.2	44	1/2	460/3
100-F056.63	MECH BAY 4-55	2000	30,000	40,000	85	71	4.7	44	1/3	120/1
100-F054.65.66	MECH BAY 4-74A	800	42,000	60,000	85	71	9.2	44	1/2	460/3
100-F021.68.69.70	MECH BAY 4-44	800	42,000	60,000	85	71	9.2	44	1/2	460/3
100-F071.72	MECH BAY 5-56	2000	30,000	40,000	85	71	4.7	44	1/3	120/1
100-F073.74.75	MECH BAY 5-74A	800	42,000	60,000	85	71	9.2	44	1/2	460/3
100-F076.77.78.79	MECH BAY 6-44	800	42,000	60,000	85	71	9.2	44	1/2	460/3
100-F080.81	MECH BAY 6-55	800	42,000	60,000	85	71	9.2	44	1/2	460/3
100-F082.83	ELEV RM 6BO	2000	50,000	80,000	90	75	5.4	44	1/2	460/3
100-F084	ELEV RM 6BD	800	35,500	50,000	90	75	1.9	44	1/2	460/3
100-F085 THRU 89	ELEV RM 7EJF	3000	63,200	90,000	90	75	8.5	44	3/4	460/3
100-F090 THRU 94	ELEV RM 7GAB	3000	67,500	90,000	90	75	8.5	44	3/4	460/3

FOUR PIPE FAN COIL UNITS (TWO COILS)

UNIT NO.	LOCATION	FAN CFM	COOLING OIL REQUIREMENTS WITH 44° F. ENTR. WATER TEMP.					HEATING REQUIREMENTS WITH 80° F. ENTR. WATER TEMP.					FAN MOTOR	REMARKS		
			MIN. SERVO. BTU/H	MIN. TOTAL BTU/H	ENTR. AIR °F	MAX. FAN P.S.I.	MIN. RUN-OUT COIL SIZE	MIN. AIR F	ENTR. AIR F	MAX. FAN P.S.I.	MIN. RUN-OUT COIL SIZE	MIN. VOLTS/PHASE			MAX. WATTS/HP.	
104-F21	BLDG-104	3800	8400	83400	85	73	17	5	1/2	28000	60	13	5	1 1/2	2E	460/3
104-F22	BLDG-104	3800	8400	83400	85	73	17	5	1/2	28000	60	13	5	1 1/2	2E	460/3
106-F21	SINGEAR RM.	800	24000	36000	85	71	5.2	2.5	F	5400	40	LO	2.5	1/2"	1/4	120/1

## VIBRATION ISOLATION

EQUIPMENT	NO. UNITS	TYPE BASE	TYPE ISOLATOR	INHALE STATUS DET (LNU)	REMARKS
AIR HANDLERS (≤10 HP)	44	NONE	S	.75	FLOOR MOUNTED - NOTE 1
AIR HANDLERS (≤10 HP)	53	NONE	S	1.5	FLOOR MOUNTED - NOTE 1
INTAKE-UP AIR UNITS	3	NONE	S	.75	FLOOR MOUNTED - NOTE 1
INTAKE-UP AIR UNITS	7	NONE	H	.75	SUSPENDED
FAN COIL UNITS	41	NONE	HN	.35	SUSPENDED
AIR CURTAINS	9	NONE	HN	.35	SUSPENDED
CENTRIFUGAL CHILLERS	7	NONE	—	—	BY CHILLER MANUFACTURER
INLINE PUMPS	14	NONE	HN	.25	
INLINE PUMPS	33	NONE	H	.15	UP TO 22" WHEEL
INLINE FANS	24	NONE	H	1.50	24" & LARGER WHEEL UP TO 80 HP
INLINE FANS	35	NONE	H	2.50	24" & LARGER WHEEL, 60 HP & OVER
CENTRIFUGAL PUMPS	2	B	D	.25	UP TO 22" WHEEL
CENTRIFUGAL PUMPS	22	B	N	1.50	24" & LARGER WHEEL
CENTRIFUGAL COMPRESSOR	3	NONE	S	1.0	
DRIVE VENT FANS (≤20 HP)	5	NONE	H, THR	1.50	
DRIVE VENT FANS (≤20 HP)	5	NONE	H, THR	2.50	
BASE MOUNTED PUMPS		NONE	NONE		BOLT DIRECTLY TO BASE

NOTES:

1. FOR UNITS FURNISHED WITH OPTIONAL INTERVAL ISOLATION, PROVIDE TYPE N ISOLATOR .25 IN MINIMUM STATIONARY DEFLECTION.

REWORK OF SOLICITATION/MODIFICATION

## GRAVITY HOOD-CURB MOUNTED

[illegible]

## DUST COLLECTOR (RECIRCULATING AIR TYPE)

[illegible]

NOTES:

1. UNIT FILTER MEDIA SHALL BE FIREPROOF FIBERGLASS MEDIA WITH MINIMUM OVERALL UNIT FILTER EFFICIENCY OF 99.9% BY WEIGHT AND 90% ASHRAE.
2. FILTER MEDIA ~~1400~~ <sup>1400</sup> SHALL BE ~~1400~~ <sup>1400</sup> CM CFM PER SQ. FT. OF FILTER MEDIA.
3. DUST COLLECTOR SHALL BE PROVIDED WITH AUTOMATIC MEDIA CLEANING VIBRATOR SYSTEM INCLUDING VIBRATOR MOTOR - 1/4HP, 115 VOLT, AND CONTROL PANEL TO ACTIVATE CLEANING CYCLE WHENEVER UNIT IS SHUT-DOWN.
4. MAXIMUM OVERALL HEIGHT INCLUDES STORAGE HOPPER WITH 18" CLEARANCE UNDER OUTLET OPENING AND FINAL FILTER AND SILENCER AIR DISCHARGE PLENUM.

SEE: SECTION 150622

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WELDING HOOD-TYPE

HOOD NO.	LOCATION	SERVICE SIZE	* CFM	HOOD SIZE	EXHAUST SERVING HOOD
100-H-41A	RM. 21422B	WELLSERV. 250	500	72"	100-EF21D REF. M59

## VENTILATION FANS

VENTILATION FANS

FAN NO.	LOCATION	FUNCTION	CFM	MAX. A.S.P. F.P.S.	FAN TYPE	ARRANGEMENT INLET, ROTATION & DISCHARGE	WHEEL TYPE	MAX. RPM	DRIVE	NOM. HP	MOTOR VOLTS/ PHASE	PIECE OF WORK
100-VF1	DRIVEWAY	DRIVE VENT (SAI)	74,500	6.2	VALEAXIAL	N/E	AXIAL	44	1800 DIRECT	25E	460/3	DRIVEWAY
100-VF2	DRIVEWAY	DRIVE VENT (EXH)	74,500	6.5	VALEAXIAL	N/E	AXIAL	44	1800 DIRECT	25E	460/3	DRIVEWAY
100-VF3	DRIVEWAY	DRIVE VENT (EXH)	45,000	5.4	VALEAXIAL	N/E	AXIAL	44	1800 DIRECT	60E	460/3	DRIVEWAY
100-VF4	DRIVEWAY	DRIVE VENT (EXH)	75,000	12	VALEAXIAL	N/E	AXIAL	44	1800 DIRECT	10E	460/3	DRIVEWAY
100-VF5	DRIVEWAY	DRIVE VENT (EXH)	35,000	1.3	VALEAXIAL	N/E	AXIAL	44	1200 DIRECT	20E	460/3	DRIVEWAY
100-VF6	DRIVEWAY	DRIVE VENT (EXH)	33,000	2.6	VALEAXIAL	N/E	AXIAL	44	1200 DIRECT	25E	460/3	DRIVEWAY
100-VF7	DRIVEWAY	BUGS TUNN. VENT (BD)	22,000	2.5	REPPELLER	WALL FAN	PROP	24	400 BELT	1/3	200V	DRIVEWAY
100-VF8	DRIVEWAY	DRIVE VENT (EXH)	33,000	2.6	VALEAXIAL	N/E	AXIAL	44	1200 DIRECT	25E	460/3	DRIVEWAY
100-VF9	DRIVEWAY	DRIVE VENT (SAI)	54,000	5.6	VALEAXIAL	N/E	AXIAL	44	1800 DIRECT	75E	460/3	DRIVEWAY
100-VF10	MECH. BAY	MECH. BAY VENT	9,000	2.2	REPPELLER	WALL FAN	PROP	42	1000 BELT	1E	460/3	DRIVEWAY
100-VF11	MECH. BAY	MECH. BAY VENT	9,000	2.2	REPPELLER	WALL FAN	PROP	42	1000 BELT	1E	460/3	DRIVEWAY
100-VF12	POOL MECH. RM.	POOL MECH. RM. VENT	800	0.5	CENT.	N/E	CENT.	10	1800 DIRECT	1/3	200V	DRIVEWAY
100-VF13	AREA 66	PENTHOUSE VENT	8,000	10	REPPELLER	WALL MOUNT	PROP	36	430 BELT	1/3	200V	DRIVEWAY
100-VF14	AREA 66	PENTHOUSE VENT	9,310	10	REPPELLER	WALL MOUNT	PROP	36	430 BELT	1/2	460/3	DRIVEWAY
100-VF15	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF16	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF17	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF18	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF19	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF20	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF21	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF22	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF23	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF24	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF25	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF26	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF27	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF28	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF29	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF30	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF31	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF32	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF33	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF34	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF35	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF36	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF37	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF38	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF39	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF40	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF41	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF42	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF43	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF44	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF45	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF46	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF47	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF48	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF49	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF50	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF51	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF52	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF53	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF54	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF55	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF56	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF57	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF58	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF59	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF60	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF61	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF62	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF63	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF64	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF65	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF66	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF67	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF68	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF69	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF70	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF71	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF72	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF73	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF74	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF75	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF76	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF77	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF78	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF79	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF80	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF81	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF82	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF83	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF84	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF85	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF86	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF87	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF88	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF89	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF90	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF91	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF92	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF93	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF94	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF95	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF96	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF97	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF98	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF99	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF100	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF101	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF102	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF103	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF104	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT	1/3	200V	DRIVEWAY
100-VF105	AREA 7A	PENTHOUSE VENT	6,100	10	REPPELLER	WALL MOUNT	PROP	30	415 BELT			

\* DUCT SYSTEM ON INLET SIDE OF VENT FAN SHALL BE CONSTRUCTED USING A NEGATIVE 3-INCH WATER GAUGE DUCT PRESSURE CLASSIFICATION. DUCT SYSTEM ON OUTLET SIDE OF VENT FAN SHALL BE CONSTRUCTED USING A POSITIVE SINK WATER GAUGE DUCT PRESSURE CLASSIFICATION.

## PHASE II

Drawing Title  
EQUIPMENT SCHEDULES -HVAC

Approved Project Director

of the applicant

— 88 —

San Antonio, Texas  
 MAY 14 1964  
 ROBERT J. BENSON  
*Robert J. Benson*  
 12/64

3D/INTERNATIONAL AND STONE, MARRACCINI AND PATTERSON  
3D/I • SMP A JOINT VENTURE HOUSTON, TEXAS  
1900 WEST LOOP SOUTH, SUITE 200 HOUSTON, TEXAS 77027 TELEPHONE (713) 871-7000

WALTER P. MOORE AND ASSOCIATES, INCORPORATED  
YANDELL & HILLER, INC. AND 3D/INTERNATIONAL  
STRUCTURAL AND CIVIL  
MECHANICAL AND ELECTRICAL

June 5, 1989, provide one and one half (1 1/2) inches of insulation downstream of after-filters up to and including the last source to room/oval duct transition and comply with Specification Section 15550-2.2.2.8. Informationed applies to air handling units 1, 3, 5, 5A, 6, 6A, 7, 7A, 8, 8A, 9, 9A, 10, 10A, 11, 11A, 12, 12A, 13, 13A, 14, 14A, 15, 15A, 16, 16A, 17, 17A, 18, 18A, 19, 19A, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 8

Drawings	Date
AMEND 5	20 MAR 87
AMEND 4	27 FEB 87
AMEND 2	20 FEB 87
AMEND 1	