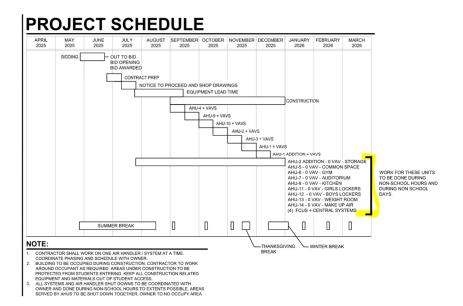


Questions and Answers for Bid No. 25-017 OPS Blackburn VAVs & HVAC Control Replacement Q&A Issue Date: 6/20/25 Bid Due Date: 5/27/25

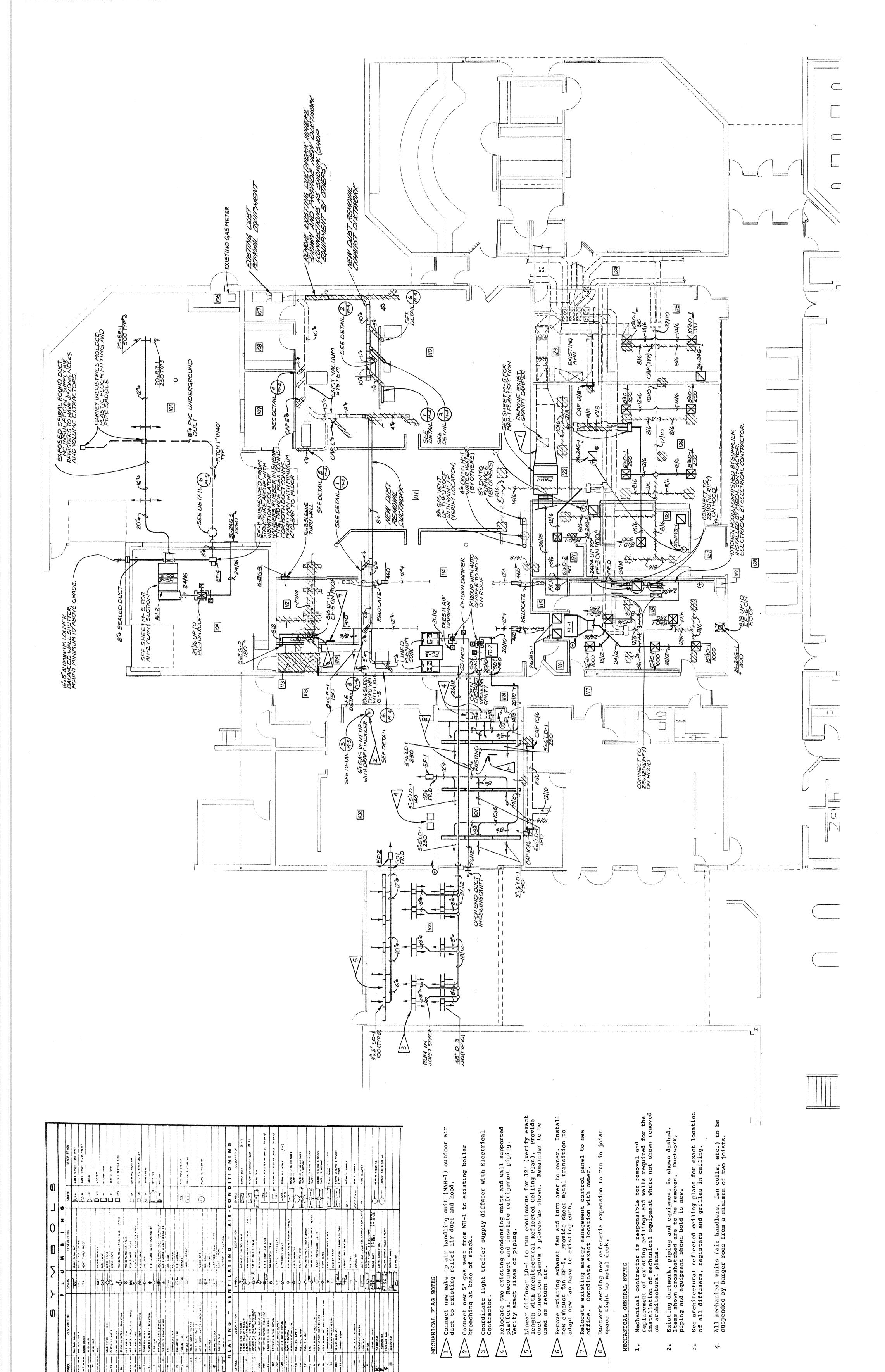
- **Q1.** The schedule shown on sheet T0.0 shows certain work that will need to be performed during non-school hours. Is this just on the AHU or does it include the VAV's/FPB's?
- A1. Per the issued project schedule, it is intended to be for just the bracketed units, not all the AHUs / VAVs.



- **Q2.** Is there a drawing available that shows the high pressure duct from the air handler to the VAV's? It would be helpful to know how many VAV's are connected to each air handler.
- A2. Original system design drawings are attached for general reference purposes only.
- **Q3.** The Drawings list Titus as the basis of-design for the VAV's. The Specifications, being a performance type Spec, do not list other manufacturers. Will other manufacturers be considered
- A3. VAV's provided are to meet the basis of design.

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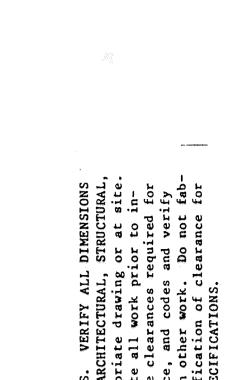
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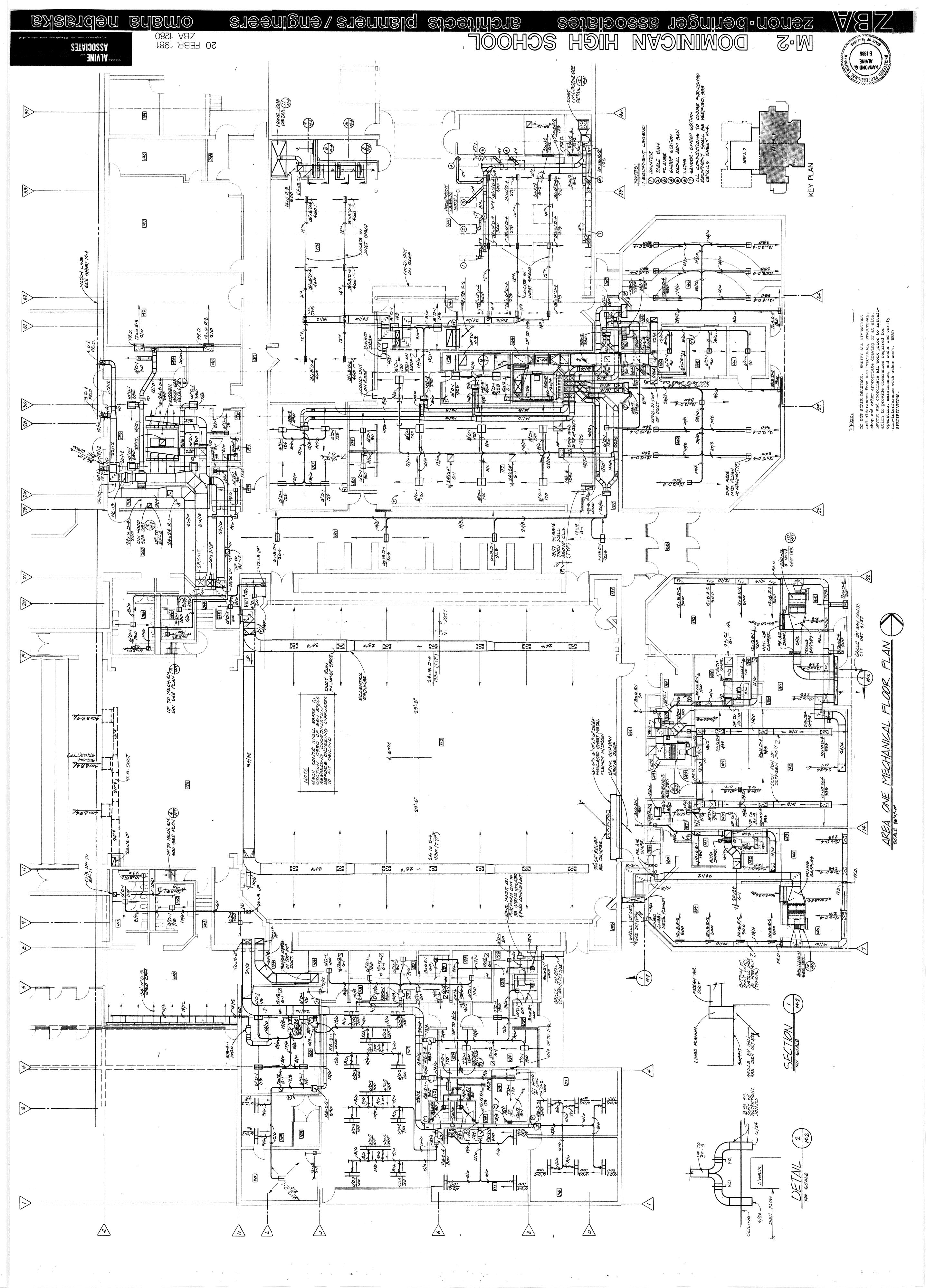
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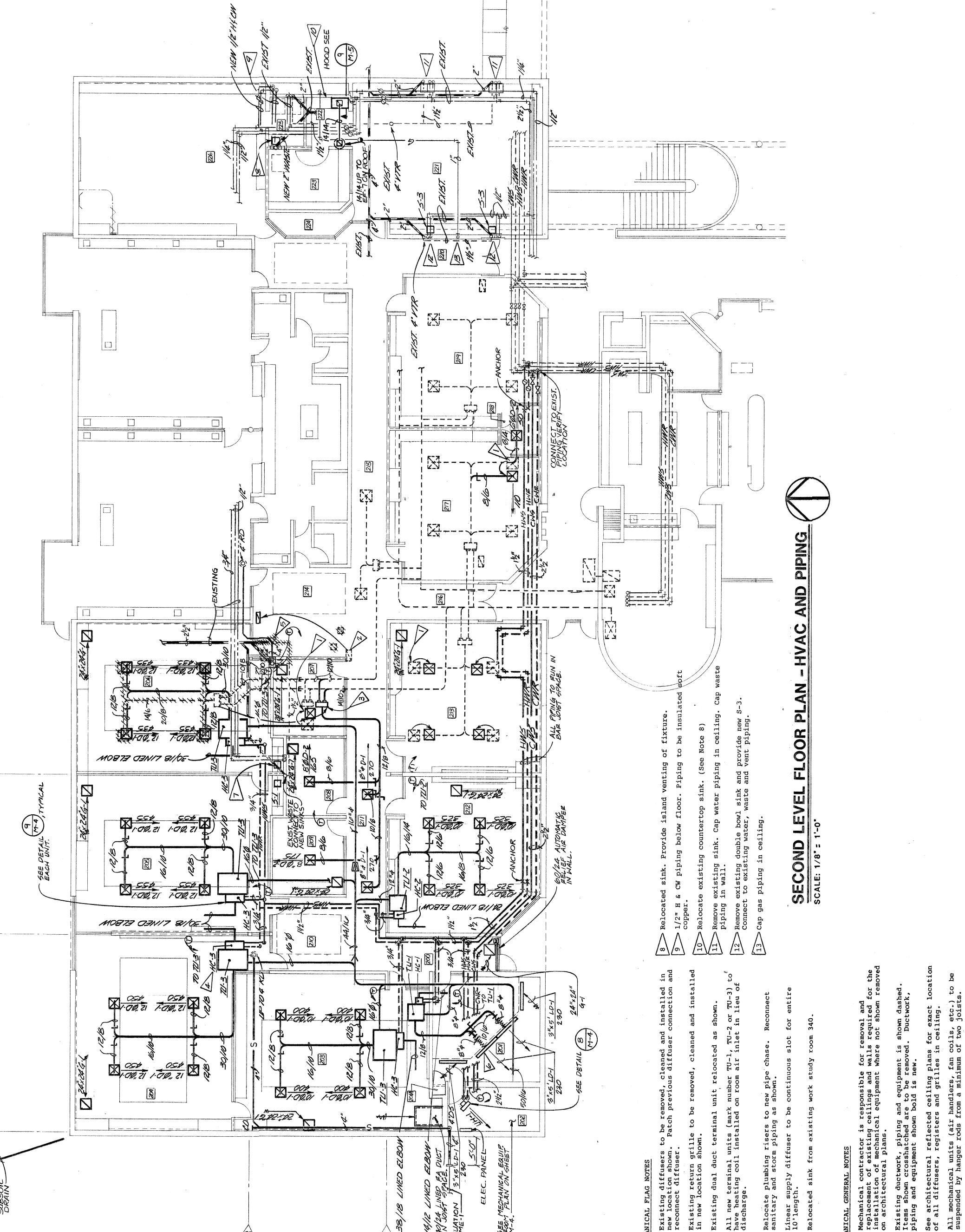
15 APRIL 1988 7885 ABS





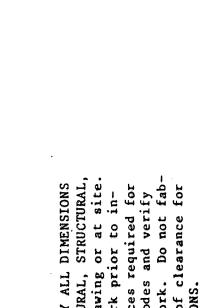


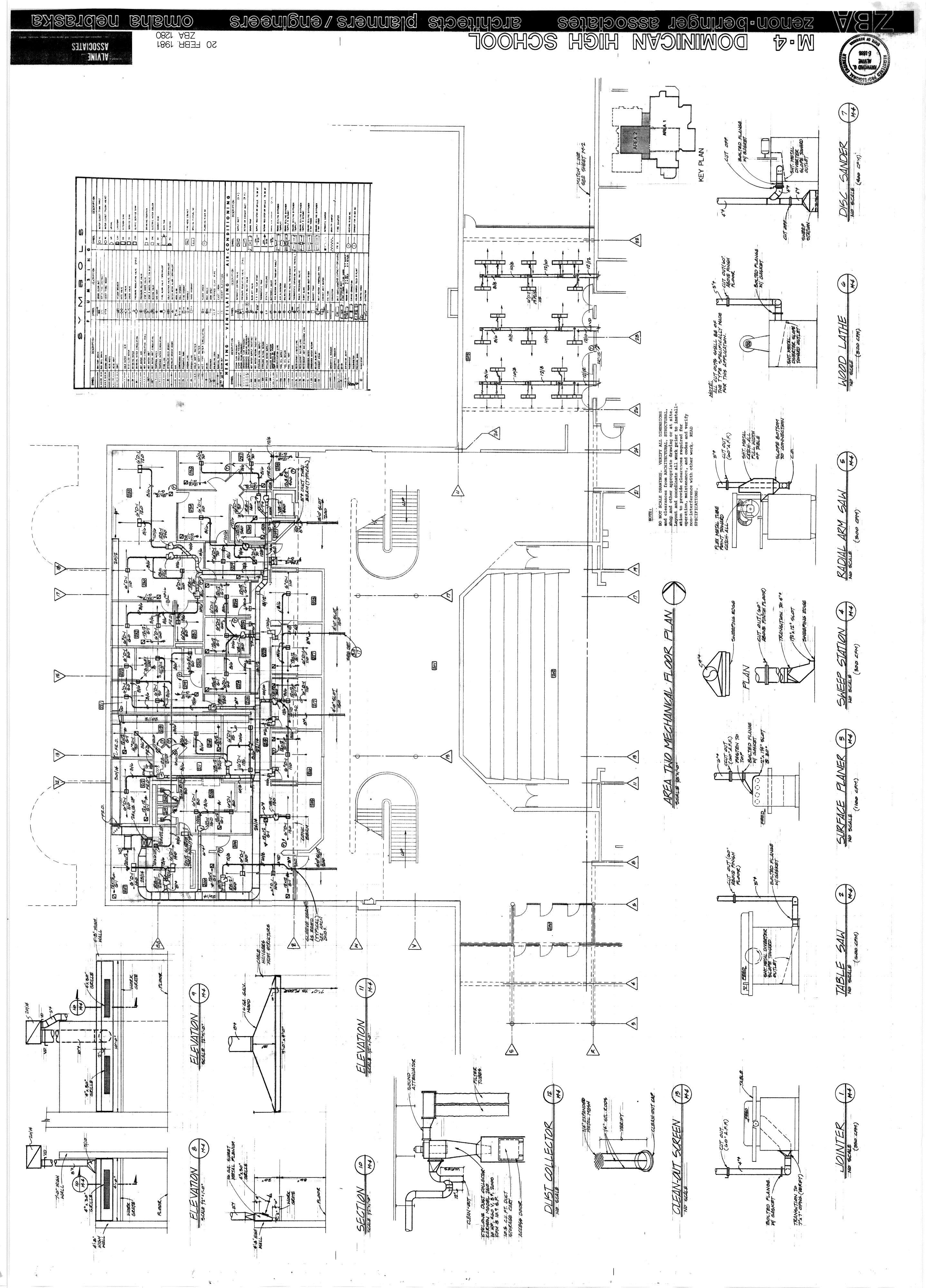




FOR CONTINUATION SEE SHEET ME-1

15 APRIL 1988 7866 ABZ





S-M

SCHEDULE

Communication of the communication			SECOND BANK	SIZE EFF. \$ S.P. TYPE					IN. DWS REMARKS	Trane Type K	TRANE TYPE W	TRANETYPE W	2 TRANE TYPE W	TRANE TYPE W	TRANE TYPE W	S WATER COIL
	L	IJ		E SI	•		2 8 2 8 2 X 4		ROWS	9	2	2	2	2	2	9
			- 1	•		l·	1 1	ree f	. Ja			l				l

BUBMIO

8861 JIRAA 31 7866 ABS

MAH-1 PLAN SCALE: 1/4" = 1'-0"

100

HORIZONTAL FAN NO SCALE HOTE: 1. POUTE 34' ORDIN LINE TO HE

DETAIL

HORIZONTAL FAN COIL

NOTE: 1. POUTE 3/4" ORDIN LINE TO NEARER AN GHOWN ON MECHANICAL PLAN.

HANG FAN COIL UNT FROM GIF USING MEOPENE FUBBERING VIBBATION INGLATORS AND ALL TO POOG ATTACHED TO HANGER

MAH-1 SCALE: 1/4"

SUSPEND AHU-2 FROM STRUCTURE ABOVE WITH VIBRATION ISOLATOR HANGERS (RUBBER IN SHEAR TYPE)

SECTION : 1'-0'

SCHEDULE

FINTUBE

CAR EXHAUST DRAIN TANK

OIL INTERCEPTOR
NO SCALE

WASHING MACHINE TRENCH DRAIN DETAIL

SIDE VIEW

FRONT VIEW

BXISBYIQIOU

ASSOCIATES

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_ _		。 od		10 11	on 45	s based	capacıtıe	
and 20	EMG	or 180°	and 12° TD or	EWT at	l on 45°	based	capacities based on 45° EWT	* Coil
20"x38	55/ 54	85/71	200	101	.75	2360	AH-2	CC-2
20"x38	94	31	200	5	0.30	2360	AH-2	HC-5
33"x48	75	-20	009	10.	0.30	5800	MAH-1	HC-4
38"x18	93	75	400	62.	TT.	1820	TU-3	HC-3
24"x18	93	75	435	.62	Ħ	1300	TU-2	HC-2
14"x12	95	75	430	.64	.10	200	TU-1	HC-1
30"x99	55/54	19/61	460	13.5	.67	9400	AH-1	8-1-8
SIZE	LVG.			1 ~ 1	AIR	CFM	SERVES	Æ.
ABPRE	TEMP	ATR.	MAX.	DiffCe	Press.			
			ATE					
		-						
30/30	Farr	.2	30		@ 16/20 @ 20/25	9 9 9		F-3 ·
30/30	Farr	.2.	30		20/25	46 20		F-2
30/30	Farr	.2	30		16/20 16/25	8@ 16 2@ 16	-	F-1

		REMARKS	Provide w/throw away filters 2 @ 20" x 25"	Provide w/throw away filters 2 @ 16" x 20"	1.5. Provide w/throw away filters 2 @ 20" x 25"
Ш		Qd		-	1.5
Ħ	ING	GPM		ស	ហ
回 る	HEATING	CAP.		59,917	66,325
Ś		Ga	2	2	4
3	NG	GPM	20	3	24
AN COIL SCHEDULE	COOLING	CAP.	92,000 BTUH	73,000 BTUH	100,300 BTUH
T	E.	Hd	8	3	3
.*	MOTOR DATA	Δ	460	460	460
	MOT	an	Н	3/4 460	H
		ESP	₽.	٠.	۰.
		CEM	3000	1400	2200
		MK.	FC-1	FC-2	FC-3

CFM ESP HP V PH CAP. GPM PD CAP. GPM PD PD	CFM ESP HP V PH CAP GPM PD CAP GPM PD 3000 .4	CFM ESP HP V PH CAP GPM PD CAP GPM PD 3000 .4				MOT	MOTOR DATA	TA	COOLING	NG		HEATING	ING		
.4 1 460 3 92,000 20 2 59,917 5 1' BTUH 15 2 59,917 5 1' BTUH 26 3 BTUH 24 60 3 BTUH 24 66,325 5 1.5'	.4 1 460 3 92,000 20 2 BTUH .5 3/4 46O 3 PTUH .6 1 460 3 BTUH .6 1 460 3 BTUH .6 1 460 3 BTUH .6 1 5. 1.5	1.4 1 460 3 92,000 20 2 ETUH 2.5 3/4 460 3 BTUH 2.6 1 460 3 BTUH 2.6 1 460 3 BTUH 2.7 6 66,325 5 1.5 The shall be McQuay Model SCB ceiling type unit with discharge and supply of the sting coils in preheat location. Heating coil for FC-2 to be 2 row Heating coils in preheat location. Heating coil for FC-2 to be 2 row Heating coils in preheat location. Heating coil for FC-2 to be 2 row Heating coils in preheat location. Heating coil for FC-2 to be 2 row Heating coils in preheat location.	Æ.	CEM	ESP	đH	۸	PH	CAP.	GPM	Qd	CAP.	GPM	Qđ	REMARKS
.5 3/4 46O 3 BTUH 15 2 59,917 5 1' 6 1 460 3 BTUH 24 66,325 5 1.5'	.5 3/4 460 3 BTUH .6 1 460 3 BTUH 24 4 66,325 5 1.5' Schall be Wedney Weden serial and the serial and the schall be Wedney Weden serial and the serial and the schall be Wedney Weden serial and the serial and the schall be wedness and the serial and the schall be wedness and the schall be well as the scha	.5 3/4 460 3 PHUH 15 2 59,917 5 1' .6 1 460 3 BTUH 4 66,325 5 1.5' ts shall be McQuay Model SCB ceiling type unit with discharge and supply desting coils in preheat location. Heating coil for FC-2 to be 2 row Heat	FC-1		4.	H	460	က	92,000 BTUH	20	7				Provide w/throw away f 2 @ 20" x 25"
.6 1 460 3 100,300 24 4 66,325 5	.6 1 460 3 Bruh 4 66,325 5	ts shall be McQuay Model SCB ceiling type unit with discharge and su heating coils in preheat location. Heating coil for FC-2 to he 2 row	FC-2	1400	rů.	3/4		m	73,000 BTUH	15	7	59,917	ស	-	Provide w/throw away f 2 @ 16" x 20"
	NOTES:	NOTES: 1. All units shall be McQuay Model SCB ceiling type unit with discharge and supply duct collar connection 2. Locate heating coils in preheat location. Heating coil for FC-2 to be 2 row Heating coil for EC-2.	FC-3	2200	۰.	H	460	ю	300	24	4	66,325	5	1.5'	Provide w/throw away 2 @ 20" x 25"
NOTES:	1 All unite chall be McDian Model of R cailing time unit with discharge.	1. All units shall be McQuay Model SCB ceiling type unit with discharge and supply duct collar connection 2. Locate heating coils in preheat location. Heating coil for FC-2 to be 2 row Heating coils in preheat	NOTES												

& GRILLE SCHEDULE

FFUSER REGISTER

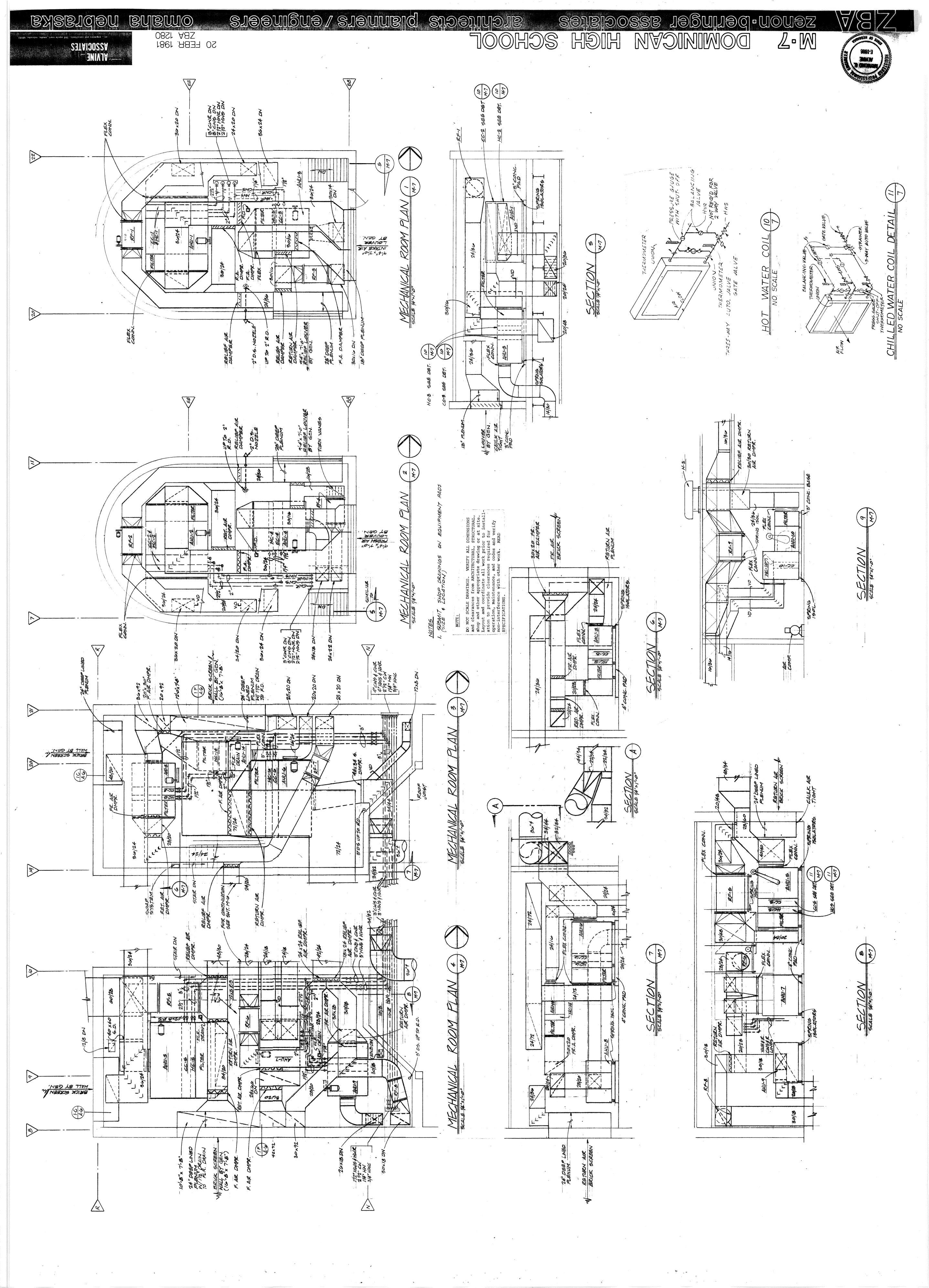
HOOD DETAIL SCALE:17:17'-0"

1.25

EF-1
EF-2
EF-3
EF-6
EF-6
EF-7
HD-1

			The state of the s	Andrew Application of the State	state date and the same in contrast of the latest owners.		TAXABLE PROPERTY AND ADDRESS OF TAXABLE PARTY.	Spinished and desired the spinished	Annual Control of the				
Ř	CEW	ESP	an l	Α	Hd	CAP.		GPM	Qa	CAP.	CPM.	04	REMARKS
됩	3000	4.	H	460	3	92,000 BTUH	90	20	2				Provide w/throw away filters 2 @ 20" x 25"
FC-2	1400	κί	3/4	4 460	3	73,000 BIUH	<u> </u>	22	7	59,917	ហ	-	Provide w/throw away filters 2 @ 16" x 20"
57 8	2200	ø.		460	Ж	100,300 BTUH	300	24	4	66,325	ភេ	1.5'	Provide w/throw away filters 2 @ 20" x 25"
NOTES			was prince to the first and th		April 1997 - April								
-i.c.	All units shall be McQuay Model St Locate heating coils in preheat L Heating coils rated for 180°F EWT Cooling coils rated for 45°F EWT	shall tring ccils rations	MAQUE Vils in ed for	y Mode prehea 180°F		XB ceiling type unit wordtion. Heating coil and 70° F EAT, 20° TD	type feating	mit,	for 1	lischarge TC-2 to b	and su e 2 row	ipply (SCB ceiling type unit with discharge and supply duct collar connection. location. Heating coil for FC-2 to be 2 row. Heating coil for FC-3 to be 1 roll and 70° F EAT, 20° TD
ு <u>இ</u> ம்.த்	All cooling coils to be 6 row. Provide flexible connections on	g ceile Xible	to be	6 F04		he duct connections to each	1000	ons to	each	E.			
				1000	*	2		O	5				
			GREAD	Z	MOTOR	DATA		H S					
İ	SERVES	G.P.M	Ë	A	STT10X	E	Ç.	EP.	2	REMARKS			
Ţ	τ- 2 0	7.	25	1/30	011		60		Н	ittle Gia	nt 5541	.08 cor	Little Giant 554108 condensate pump unit
P-2	MAH-1	60	20	3/4	208	m	99	1750	4	311 & GOS	sett Se	ries	Bell & Gossett Series 60 Size 2AA

+ Stati



ASSOCIATES
ASSOCIATES

			tt	٠	u unit	u unit	u wnit	u unit	e unit	u unit	u unit	لا	u unit	unit	1 unit	u unit	
SCHEDULE		REMARKS	McQuay size 217 med press D.D. unit with inlet vanes	McQuay size 217 med press D.D. unit with inlet vanes	McQuay size 108 low press draw-thru unit with inlet vanes	McQuay size 108 med press draw-thru unit with inlet vanes	McQuay size 137 low press draw-thru unit with inlet vanes	McQuay size 137 low press draw-thru unit	McQuay size 214 low press multizone unit	108 low	McQuay size 108 med press draw-thru unit with inlet vanes	McQuay size 217 low press D.D. unit with inlet vanes	McQuay size 104 low press draw-thru unit	McQuay size 104 low press draw-thru unit	McQuay size 104 low press draw-thru unit	McQuay size 106 low press draw-thru unit with face and bypass	
S(DATA	PH	m	m	8	m	<u>س</u>	м	м	m	т	m	3	3	3	3	
	OTOR	VOLTS	460	460	460	460	460	460	460	460	460	460	460	460	460	460	
	M	HP	10	10	5	ru	15	15	7.5	5	2	7.5	0.75	0.75	1.0	1.5	
HANDLING		IN W.G	2.0	2.0	1.4	1.6	1.0	1.0		L.3	1.5	2.0	9.0	0.7	0.7	0.7	
AND	FILTERS	P.D.	.10	.10	.10	.10	.10	01.	.10	.10	.10	.10	.10	.10	.10	.10	
A ス エ	FILT	SIZE	27.8 SF	27.8 SF	16.7 SF	16.7 SF	35.9 SF	35.9 SF	27.8 SF	16.7 SF	16.7 SF	27.8 SF	8.9 SF	8.9 SF	8.9 SF	13.3 SF	
7	FAN &	WHEEL DIA.	1 @ 19"	1 (d 19"	1 (d 15"	1 @ 13.5"	1 @ 27"	1 @ 27"	2 (d 13.5"	1 @ 15"	1 @ 13.5"	1 @ 19"	1 @ 12"	1 @ 12"	1 @ 12"	1 @ 12"	
		CFM	8700	9500	3800	4400	1800	19400	9100	45.00	4500	8300	1880	2080	2350	2750	
		SERVES		South CL Rms	Library	Office	Cammon	Gym	Lecture	Kitchen Dining	Day Care	Art Music	Girls Locker	Boys Locker	Wrest- ling	Kitchen Makeup	
		KK.	AHU-1	AHU-2	AHC-3	2년-4	AHU-5	AHU-6	AHC-7	AHU-8	AHU-9			AHU- 112	AHU-	AHU- 14	

				Š	WATER	C)			SCHEDULE	3	L
			PRESS.	S. DROP	MAX.	AIR.	TEMP.	APPROX.	GPM @	MIN.	
MK.	SERVES	CFM	AIR	WTR.	VEL.	ENT.	LVG.	SIZE	T.D.	ROWS	REMARKS
CC-1	AHU-1	8700	1.0	10	500	800 670	530 530	30 x 86	78 @ 12	9	McQuay high efficiency water coil
∞-2	AHU-2	9500	1.0	10	550	79.4° 66.4°	530 530	30 x 86	85 @ 12	9	McQuay high efficiency water coil
CC-3	AHU-3	3600	1.0	10	480	78.30 65.40	230	30 x 41	24 @ 12	9	McQuay high efficiency water coil
CC-4	AHU-4	4400	1.0	10	525	77.4° 65.5°	55 ₀	30 x 41	28 @ 12	9	McQuay high efficiency water coil
GC-5	AHU-5	18000	1.0	10	500	78.30 65.30	53° 53°	2 24 x 113	102 @ 12	9	McQuay high efficiency water coil
9-00	AHU-6	19400	1.0	10	525	81.80 68.30	53°	2 24 x 113	145 @ 12	9	McQuay high efficiency water coil
CC2	AHU-7	6100	1.0	70	450	800 670	530 530	30 × 71	41 @ 12	9	McQuay high efficiency water coil
8-00	AHU-8	4500	1.0	10	550	800 670	530 530	30 x 41	30 @ 12	9	McQuay high efficiency water coil
6-00	AHU-9	4500	1.0	10	550	0099	53 ₀	30 x 41	30 @ 12	و	McQuay high efficiency water coil
CC-10	AHU-10	8300	1.0	07	200	78° 65°	530	30 x 86	47 @ 12	9	McQuay high efficiency water coil

				`	WATER			SC	SCHEDULE		L.
MK.	SERVES	CFM	PRESS	DROP WTR.	MAX. FACE VEL.	AIR. ENT.	TEMP LVG.	APPROX. SIZE	GPM @ T.D.	MIN. ROWS	REMARKS
HC-1	AHU-1	8700	.25	Ŋ	009	500	1000	18 x 31	47 @ 20	Н	McQuay high efficiency water coil
HC-2	AHU-2	9500	.25	Ŋ	009	50 ₀	1000	18 x 81	51 @ 20	М	McQuay high efficiency water coil
HC-3	AHU-3	3600	.25	Ŋ	480	009	1000	30 x 41	16 @ 20	r-l	McQuay high efficiency water coil
HC-4	AHU-4	4400	.25	ľ	525	09	006	30	14 @ 20	Н	McQuay high efficiency water coil
HC-5	AHU-5	18000	.25	5	200	650	1000	24 x 113	3 68 @ 20	r-l	MoQuay high efficiency water coil
HC-6	AHU-6	19400	.25	Ŋ	525	40 ₀	006	24 x	113105 @ 20	Н	McQuay high efficiency water coil
HC-7	AHU-7	6100	.25	Ŋ	450	50 ₀	o ⁰⁶	30 × 71	26 @ 20	Н	McQuay high efficiency water coil
HC-8	AHU-8	4500	.25	Ŋ	. 550	50 ₀	90 ₀	30 x 41	20 @ 20	н	McQuay high efficiency water coil
HC-9	AHU-9	4500	.25	5	550	550	750	30 x 41	10 @ 20	H	McQuay high efficiency water coil
HC-10	AHU-10	8300	.25	2	009	09	1100	18 x 81	45 @ 20	Н	McQuay high efficiency water coil
HC-11	AHU-11	2220	.25	5	550	200	1000	18 x 33	19 @ 20	Н	McQuay high efficiency water coil
HC-12	AHU-12	2220	.25	5	550	20 ₀	1000	18 x 33	19 @ 20	Н	McQuay high efficiency water coil
HC-13	AHU-13	2460	.25	5	009	200	و06	21 x 43	18 @ 20	н	McQuay high efficiency water coil
HC-14	AHU-14	2750	.25	2	450	-200	750	18 x 33	28 @ 20	Н	McQuay high efficiency water coil
HC-15	Dining	2250	.25	5	009	550	950	18 x 30	10 @ 20	Н	McQuay high efficiency water coil
							,				

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ROOFTOP UNIT SCHEDULE		PH REMARKS	60 McQuay type RDS-708B					
SCF	MOTOR DATA	Λ	ო	·	,			
b	OTOR	HP	460				_Q	
S	MC	OUTPUT SERVES	7.5				actory cur	
TOP	CAP.	OUTPUT	713,000		6	A	ction & fa	
300F	HTG.	INPUT			T & 120 T	WT & 200	oypass se	
Tariffican	AP. MBH	SENS.	ĺ		on 46° EW	on 200° E	Filters shall be 2" throwaway Unit furnished with coil face & bypass section & factory curb	
	COOL'G CAP. MBH	ESP TOTAL	.75 310,000		ry based	v based	be 2" thr with ∞i	
		ESP	.75		apaci	apaci	hall l ished	
		CFM	5500		ling c	ting c	ters s t fum	
		MK.	EZ.		8 *	Hea	급함	

				FA	FAN & HOOD	Ĭ	JOC		SCHEDULE
			S.P.	MC	MOTOR	DATA		ROOF OR	
MK.	SERVES	CFM	IN W.G.	HP	VOLTS	PH.	CY.	WALL OPEN	REMARKS
邢-1	AHU-1	8700	1.0	5	460	3	09	1	Barry size 8222 in-line centrifugal fan with inlet vanes
恐−2	AHU-2	9500	1.0	7.5	460	æ	09	•	Barry size 8222 in-line centrifugal fan with inlet vanes
RF-3	AHU-3	3800	0.9	1.5	460	က	09	1	Barry size 8182 in-line centrifugal fan with inlet vanes
RF-4	AHU-4	4000	6.0	1.5	460	3	09	J	centrifugal
RF-5	AHU-5	18000	1.0	10	460	3	09	1	Barry size 8330 in-line centrifugal fan with inlet vanes
RF-6	AHU-7	6100	1.0	, m	460	m	09	ı	Barry size 8200 in-line centrifugal fan
RE-7	 	4000	0.85	1 2	460	r	09	1	2 winding Barry size 8182 in-line centrifugal fan, 2-speed
RF-8	AHU-9	4000	6.0	1.5	460	ж	09	ı	Barry size 8182 in-line centrifugal fan with inlet vanes
RF-9	AHU-10	8000	.85	Ŋ	460	ж	09	1	Barry size 8222 in-line centrifugal fan with inlet vanes
四-1	Toilets	750	.50	1/6	115	Н	09	16 x 16	Acme Centrimaster PL135D3 belt drive
旺2	Lab	220	.37	1/10	115	М	09	10 × 10	Acme Centrimaster PRL100-6 direct drive
四-3	Chem Stor	120	.37	1/10	115	Н	09	10 x 10	Agme Centrimaster PRL100-4 direct drive, explosion proof
正-4	Biology	1200	.37	1/3	115	Н	90	16 x 16	Acme Centrimaster PL135F belt drive
旺-5	Chemistry	1200	.37	1/3	115	г	09	16 x 16	Acme Centrimaster PL135F belt drive
至———	Home Ec	275	.25	1/10	115	H	09	8 8	Acme Master-Ette model V300 with flat roof cap
压-7	Kitchen Hood	3000	.75	3/4	460	m	09	26 x 26	Acme PU270H upblast centrifugal belt drive 2-speed, 2-winding
EE-8	Dishwasher	009	.37	1/10	115	Н	09	16 x 16	Acme PU135DZ upblast centrifugal belt drive.

SCHEDULE		REMARKS	Acme Centrimaster PL145E belt drive, 2-speed, 2-wind	Acme Centrimaster PL145E belt drive, 2-speed, 2-wind	Acme Centrimaster PL135D2 belt drive	Acme Centrimaster PL135D3 belt drive	Acme Centri-vent QB10D belt drive utility set	Acme model V400 Master-Ette fan with VC10 roof cap	Acme Centrimaster PL365L belt drive 2-speed	Acme Centrimaster PL171G belt drive 2-speed, explosion proof	Acme wall fan model DC24G with Grav. Disch. Dmpr.	Acme Skymaster relief hood	Acme Skymaster relief hood	Acme Skymaster intake hood	Acme Skymaster relief hood	Acme Skymaster relief hood	Acme vent cap model VC8	Acme vent cap model VC8	Acme Skymaster intake hood
	ROOF OR	WALL OPEN	16 x 16	16 x 16	16 x 16	16 x 16	1	.10" Ø	40 x 40	20 x 20	28 x 28 wall	12 x 12	84 x 60	30 x 36	18 x 18	36 x 36	88	8 Ø	42 x 42
HOOD		CY.	09	09	09	09	. 09	09	09	09	09	1	ı		ı		ı	1	
¢ H	DATA	рн.	М	H	Н	H	Н	H	m	Н	н	+			1	-	ı		450
11	MOTOR	VOLTS	115	115	115	115	115	115	200	115	115	-	ı	1	ı	1	ı	**	1
FAN	MC	HP	1/4	1/4	1/6	1/6	1/10	255 W	2	1/2	1/2	1	ı	ı	ı	1	ı	ı	ı
	S.P.	N IN N.G.	0.37	0.37	0.37	0.37	0.50	0.25	1.00	0.75	.375	.125	.20	.20	.15	.25	.10	.10	ı
		CFM	1880	2080	420	550	450	400	5500	2100	2500	700	32000	8300	1200	8300	100	100	
		SERVES	Girls Locker	Boys Locker	Toilets	Toilets	Day Care Toilets	Concession Building	Welding Area	Paint Spray	Boiler Rm.	Furre Hood	Relief	AHU-10 Intake	Dryer	AHU-10 Relief	k~ -000 06 Dryer	Animal Cage	Comb. Air
		MK.	6 - 끏	臣-10	日出	臣-12	臣-13	臣-14	臣-15	9 H	SF-1	H	2 H	田-3	7	H-0-H	9 - H	H-7	H-8

	V	IR C	T00		COND	Z	SIN	0	Z	AIR COOLED CONDENSING UNIT SCHEDULE
		BTUH			AMB.		MOTÓF	MOTÓR DATA	4	
MK.	SERVES	e EVAP.	TEMP.	REFR.	TEMP.	FLA	V. PH.		CY.	REMARKS
ACCU-1	Cooling ACCU-1 System	116.5 ton	35	22	1000	266	460	m	09	McQuay model ALP149A air cooled cond unit Note 1
ACCU-2	Cooling ACCU-2 System	116.5 ton	35	22	1000	266	460	m	09	McQuay model ALP149A air cooled cond unit Note 1
Note 1	- Unit shal	1 be matc	ed with	CDE-510 e	vaporator	44° IN	TT 560	EWT 2	35 GPM	Note 1 - Unit shall be matched with CDE-510 evaporator 44° INT 56° ENT 285 GPM 12 ft.P.D. Single electric feed.
	And the safety of the latest contraction of the safety of the safety contraction of the safety of th									

u	Car establish	KEMAKKS	Triad model 300 boiler	Triad model 300 boiler w/aux, tube bundle	Triad model 300 H.W. boiler	
OILER SCHEDULE	VENT	CONN.	" 6		6	
Ä	TA	C5	09	09	9	
SC	L DA	PH.	H	H	H	
4	ELECTRICAL DATA	VOLTS PH. CY	115 1	115	115	
	ELB	HP	1/4	1/4	1/4	
80	GAP.	OIL	ı	1		
	BURNER CAP	GAS	300	300	300	
	MBH	OUT	240	240	240	
	ΨVDF	1 1 1 10	Wtr Htr	Wtr Htr	Wtr Htr	
	SEVVES		Heating	Heat and Water	Hot Water Wtr Htr	
·	M	• \177.7	B-1	B-2	B-3	

	e a Arthur a Andra Sculin	MARION DESCRIPTION	ngo ana masama			T	- Distriction	aranyosa keessistes		
	Triad model 300 boiler w/aux, tube bundle	Triad model 300 H.W. boiler			u			Vulcan type FS slope top fintube	Vulvan 1" C tube 3½ fine 48 F/ft Dwg AA-3	
	.6	.6			LUBE SCHEDULE		REMARKS	lcan type	lvan 1" C	
	09	09			禹		14	Vu.	Δ	
	Н	Н			SC	63	HEIGHT	14	ı	
	115	115				SUR	H			
	1/4	1/4				ENCLOSURE	TYPE	Slope top	Trench	
	ı						T	S1c	Tre	
	300	300				OF AVG. H20 TEMP.	CAP.	ı	1	
	240	240				F AVG.	FT.			
	Wtr Htr	Vtr Htr				ļ	LIN	ı	I	
)	Heat and Water Wt	Hot Water Wtr Htr				ELEMENT @	BTUH/L.FT.LIN. FT.	096	880	
	B-2	B-3		,			MARK	[1-1	FT-2	

•	DIFFUSER	ER REGISTER & GRILLE SCHEDULE
MK.	MANUFACTURER	* DESCRIPTION
习	Titus	Perforated diffuser w/O.B. damper
D-2	Titus	Light troffer diffuser saddle surface slot
D-33	Titus	Linear diffuser 2-3/4" slots type 6 frame
D-4	Titus	Curved blade diffuser w/rear deflec. blades & O.B. damper
7-0	Titus	Linear diffuser 2-1/2" slots type 6 frame
D-6	Titus	Linear diffuser 7/32" bar 0° deflec. 1/2" spacing floor diff. type 6 frame 0 carpet, type 5 frame other areas
R-1	Titus	1/2"x1/2" alum eggerate w/O.B. damper
R-2	Titus	Double deflection register w/O.B. damper
R-3	Titus	Single deflection register w/O.B. damper
R-4	Titus	Gym grille w/O.B. damper
R-5	Titus	Fixed 45° blade grille w/O.B. damper
R-6	Titus	Perforated lay-in panel w/O.B. damper
F-J	Titus	Perforated lay—in panel
G-2	Titus	Fixed 45° blade grille
*	All grilles shall be sta	shall be standard white in color.

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		,	VOL UME	ME CONTROL BOX SCHEDLIE
NN.	CFM	Min. S.P. in W.G.	N.C. @ Min. S.P.	ARKS
MB-1	200	.18	25	Titus size 5 dual duct variable volume box. Model EDV-3000.
MB-2	300	.19	20	Titus size 6 dual duct variable volume box. Model EDV-3000.
MB-3	550	.32	21	Titus size 7 dual duct variable volume box. Model EDV-3000.
MB-4	700	.26	25	Titus size 8 dual duct variable volume box. Model EDV-3000.
MB-5	1150	.31	30	Titus size 10 dual duct variable volume box. Model EDV-3000.
MB-6	1300	.20	30	Titus size 12 dual duct variable volume box. Model EDV-3000.
NB-7	2400	.45	30	Titus size 14 dual duct variable volume box. Model EDV-3000.
RB-1*	300	.21	20	Titus size 6"% single duct variable volume box with reheat coil.
RB-2*	460	.32	20	Titus size 7"% single duct variable volume box with reheat coil.
RB-3*	850	.48	25	Titus size 9 " \emptyset single duct variable volume box with reheat coil.
RB-4*	1300	.40	20	Titus size 12"% single duct variable volume box with reheat coil.
	·			•
		ું. વ.		
VB-1	300	.15	20	Titus size 6 single duct variable volume box.
\B-2	450	.22	20	Titus size 7 single duct variable volume box.
VB-3	009	.22	. 20	Titus size 8 single duct variable volume box.
VB-4	850	.32	22	Titus size 9 single duct variable volume box.

				FAN		1100	つ <u></u>	Z	UNIT SCHEDULE
				MAX.	MOTOR		DATA		
MX.		CFM	GPM	P.D.	HP	Λ	PH. CY.	CY.	
FC-1	7400	300	1.6	5	1/4	115	Н	09	§ .

				UNIT H			A	لنا	EATER SCHEDULE
	CAP.	Singuage and the second		MAX.	M	TOR	MOTOR DATA	Æ	
MX.	BTUH	CFM	GPM	P.D.	HP	٥	PH	CY	REMARKS
[旧-工	15,000	300	1.5	'n	1/12 11	115	Н	09	McQuay size 003A full recessed inverted air flow unit heater
UH-2	54,000	008	4.0	2	1/7	115	н	09	McQuay size 00gA full recessed inverted air flow unit heater
UH-3	50,000	1000	6.0	ស	1/20 11	115	Н	09	60 McQuay size UHH-052B horiz unit heater
UH-4	100,000	1900	80	5	1/5	115	Н	09	McQuay size UDH-120B vert unit heater
日 5 日 3	13,000	380	1.0	2	1/60 115	115	Н	09	McQuay size UHH-016B horiz unit heater

						<u>a</u>	PUMP		SCHEDULE
			HEAD	Œ.	MOTOR	DATA			
MK.	SERVES	GPM	FT.	HP	VOLTS	PH.	CY.	RPM	REMARKS
P-1	Cocling System	235	100	15	460	m	09	1750	Aurora series 340 size 2½ x 3 x 125 centrifugal pump
P-2	Cooling System	235	100	15	460	ъ	09		Aurora series 340 size $2\% \times 3 \times 125$ centrifugal pump
P-3	neating System	240	105	15	460	е	09	1750	Aurora series 340 size $2 \frac{1}{2} \times 3 \times 125$ centrifugal pump
P-4	Heating System	240	105	15	460	т	0.9	1750	Aurora series 340 size $2 \frac{1}{7} \times 3 \times 125$ centrifugal pump
P-5				,					
P-6	rH: Circ	30	15	1/3	115	Н	09	1750	Thrush model RCB-0 line mounted bronze circulator
	H.W.					+-			