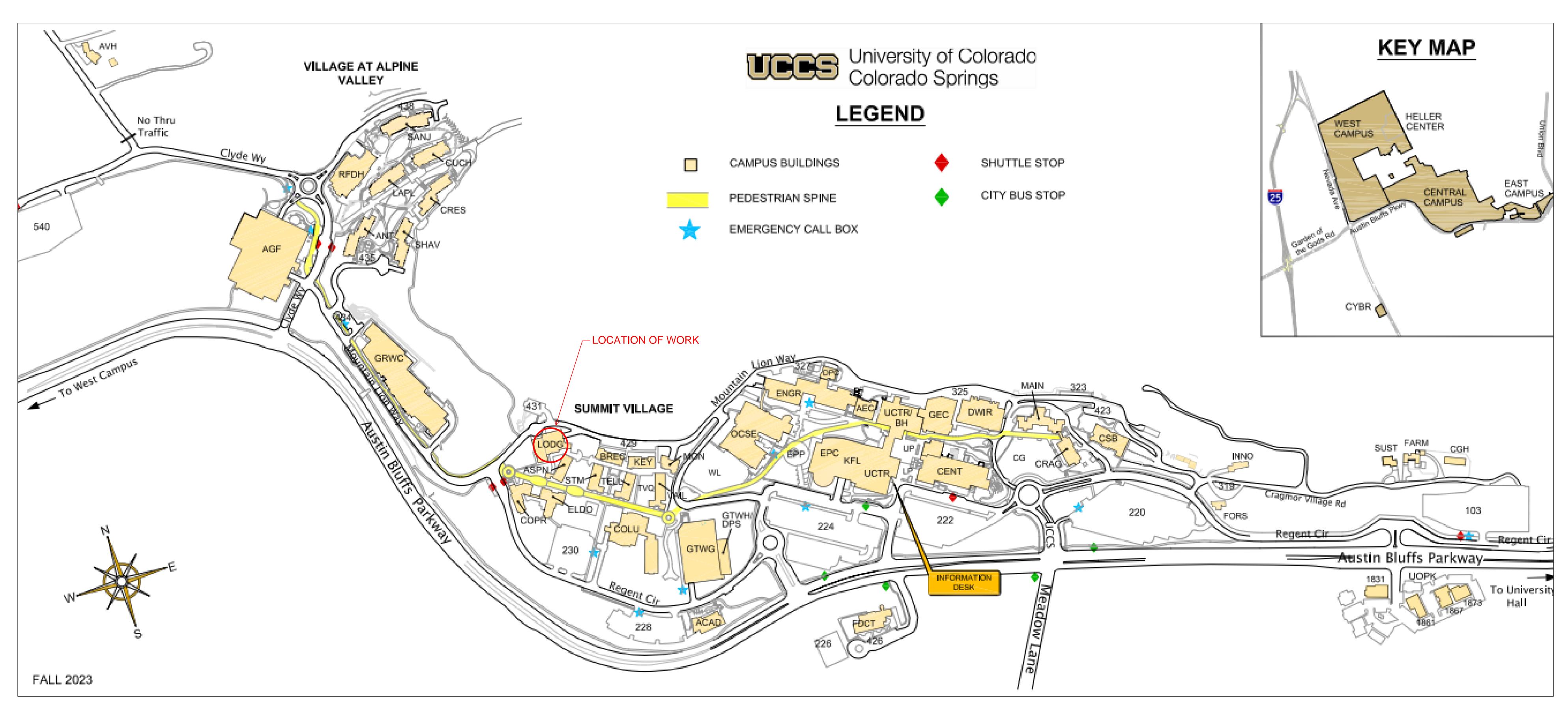
UCCS THE LODGE BOILER REPLACEMENT



COVER SHEET

AS BUILT DRAWINGS (FOR REFERENCE)

SD1 SITE PLAN

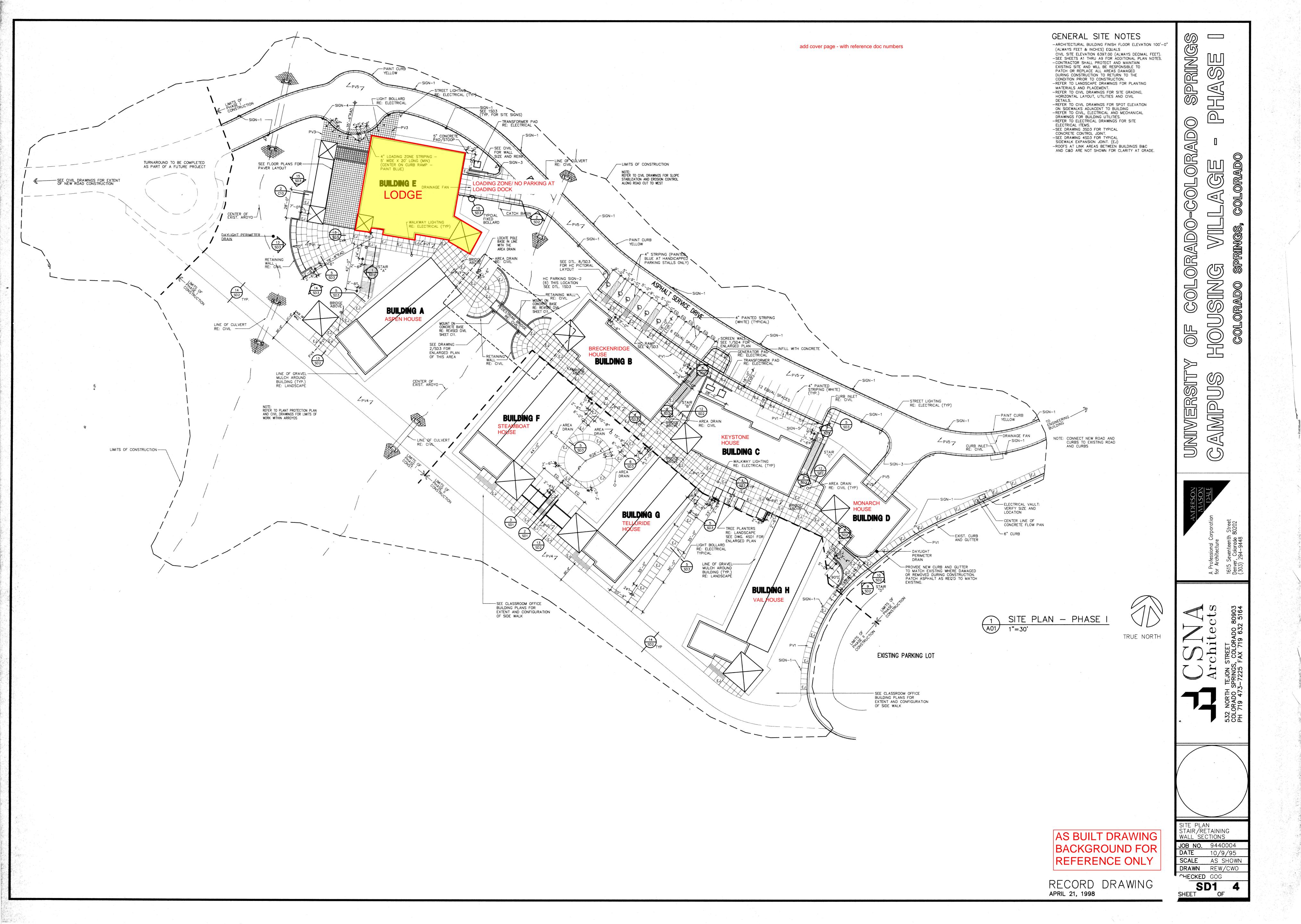
A9 BUILDING E - 2ND LEVEL FLOOR PLAN

M-21 MECHANICAL ROOM FOR BUILDINGS 'A' & 'E'

M-22 BUILDINGS 'A' & 'E' HEATING WATER SCHEMATIC

M-26 SCHEDULES

M-27 SCHEDULES

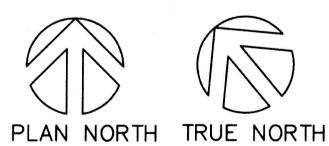




FILENAME: X: \UCCS\9440004\CD\A09.DWG

GENERAL PLAN NOTES

- REFER TO SITE DEVELOPMENT (SD) DRAWINGS FOR ADDITIONAL PLAN NOTES AND DETAILS.
- IN ADDITION TO DIMENSIONS SHOWN, REFER TO ENLARGED PLANS AND STRUCTURAL DRAWINGS FOR FURTHER DIMENSIONS.
- ALL CONCRETE MASONRY UNITS TO BE 7 5/8" UNLESS OTHERWISE NOTED.
- ALL METAL STUDS TO BE 3-5/8" UNLESS OTHERWISE NOTED.
- REFER TO A37 FOR PARTITION TYPES.
- PROVIDE FIRE SAFING AND FIRE SEALANT AT TOP OF ALL
 WALLS TO STRUCTURE ABOVE AND AT ALL RATED WALL CONSTRUCTION.
- REFER TO CIVIL DRAWINGS FOR SITE GRADING, HORIZONTAL LAYOUT, SITE UTILITIES, AND CIVIL DETAILS.
- REFER TO MECHANICAL DRAWINGS FOR BUILDING UTILITIES.
- REFER TO LANDSCAPE AND SITE DEVELOPMENT DRAWINGS FOR SITE IMPROVEMENTS AND LANDSCAPING.
- REFER TO ELECTRICAL DRAWINGS FOR SITE ELECTRICAL ITEMS.
- ALL TB TO BE 4'x4' TACK BOARD UNLESS OTHERWISE NOTED,
 WITH 1x2 MAPLE TRIM (STAINED) SEE DETAIL 34A45.



WALL CONSTRUCTION LEGEND

W3 OR CONCRETE GRADE BEAM BELOW GRADE (W20)

M1 EXTERIOR. SEE BUILDING/WALL SECTIONS ON A26 - A35.

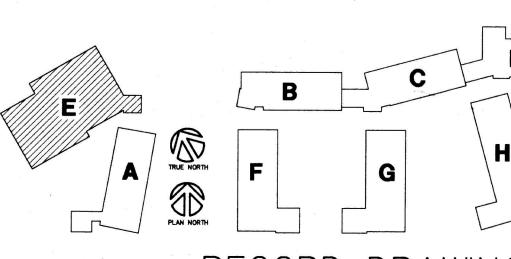
W9. SEE WALL SECTIONS ON A37.

W11, W12, W14, W15, W16, W17, AND W21 WALL TO STRUCTURE ABOVE OR ABOVE CEILING, WITH 3" SOUND BATT INSULATION AS INDICATED ON REFLECTED CEILING PLANS. SEE WALL SECTIONS ON A37 FOR HEIGHT AND LOCATION OF WALL.

W4 OR W7 EXTERIOR. SEE BUILDING/WALL SECTIONS ON A26-A35.

- - OPERABLE WALL PARTITION.

NOTE: REFER TO ROOM FINISH SCHEDULE IN SPECIFICATION FOR FURTHER DEFINITION AND LOCATION OF ALL WALL TYPES.

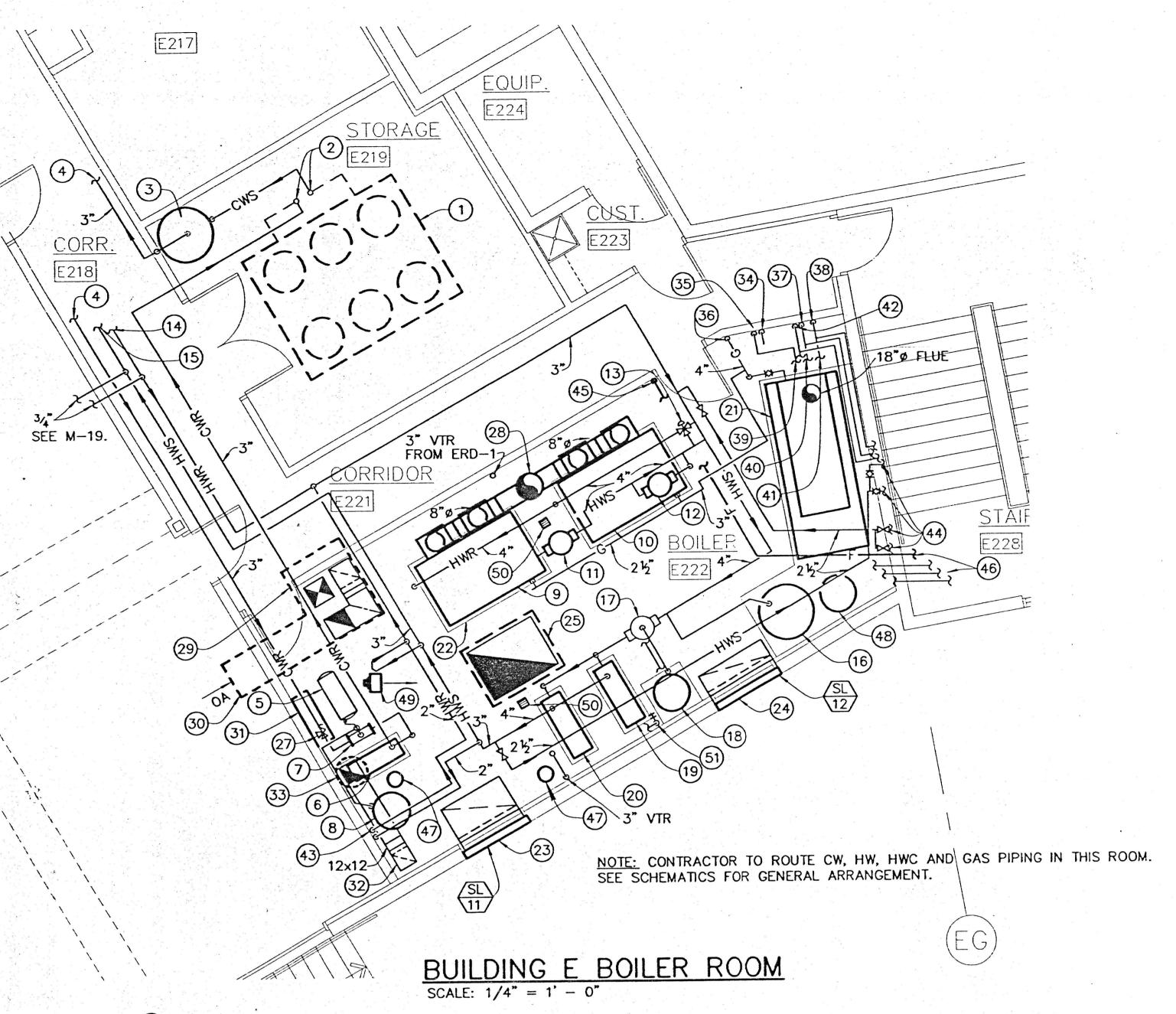


RECORD DRAWING
APRIL 21, 1998

UNIWERSI

DATE 10/23/95 SCALE AS SHOWN DRAWN GOG/LJC/L

CHECKED GOG **A9** OF **45** SHEET



FLAG NOTES: O

- CH-2, CHILLER LOCATED ON ROOF. SEE SCHEMATIC ON DRAWING M-22, AND SCHEDULE ON M-26.
- 3" CWS AND CWR UP THROUGH ROOF TO CHILLER. SEE DETAIL ○ ON M-28. SUPPORT PIPES ON ROOF. PROVIDE ALUMINUM JACKET OVER INSULATION.
- 3. ST-2, 300 GALLON STORAGE TANK. SEE SCHEMATIC ON M-22.
- 4. 3" CWS AND 3" CWR. FOR CONTINUATION SEE DRAWING M-19.
- 5. ET-4, EXPANSION TANK SUSPENDED FROM STRUCTURE. SEE DETAIL (A) ON M-28 FOR PIPING (SIMILAR).
- 6. P-1, CHILLED WATER PUMP. SEE SCHEMATIC ON DRAWING M-22. AND DETAIL \bigcirc ON M-28.
- 7. AIR PURGER, SEE SCHEMATIC ON M-22 AND DETAIL (A) ON M-28.
- 8. GF-1 GLYCOL FEEDER, SEE DETAIL (1) ON M-28.
- 9. B-1 BOILER. SEE SCHEMATIC ON DRAWING M-22, AND SCHEDULE ON M-26.
- 10. B-2 BOILER. SEE SCHEMATIC ON DRAWING M-22, AND SCHEDULE
- 11. P-9, BOILER CIRC. PUMP, SEE SCHEMATIC ON M-22 AND SCHEDULE 12. P-10, BOILER CIRC. PUMP, SEE SCHEMATIC ON M-22 AND SCHEDULE
- 13. SCHEDULING VALVE, SEE SCHEMATIC ON DRAWING M-22.
- 14. 3" HWR, SEE DRAWING M-19 FOR CONTINUATION.
- 15. 3" HWS, SEE DRAWING M-19 FOR CONTINUATION.
- 16. ET-1, EXPANSION TANK, SEE DETAIL (B) ON M-28.
- 17. AS-1, AIR SEPARATOR, SEE DETAIL (B) ON M-28. 18. GF-1 GLYCOL FEEDER, SEE DETAIL (1) ON M-28.
- 19. P-3, HEATING WATER PUMP. SEE SCHEMATIC ON DRAWING M-22,
- SEE DETAIL (J) ON M-28 AND SCHEDULE ON M-26. 20. P-2, HEATING WATER PUMP. SEE SCHEMATIC ON DRAWING M-22, SEE DETAIL (J) ON M-28 AND SCHEDULE ON M-26.
- 21. GWH-2, PACKAGED GAS WATER HEATER WITH STORAGE TANK. SEE
- DETAIL (J) ON DRAWING P-6 AND SCHEDULE ON DRAWING M-26.
- 22. HOUSEKEEPING PAD, TYPICAL.
- 23. SL-11, 48"x48" COMBUSTION AIR LOUVER. DUCT 48"x18" DUCT DOWN, TERMINATE OPEN END 12" AFF.
- 24. SL-12, 48"x24" COMBUSTION AIR LOUVER. UTILIZE THE LOWER HALF OF THE OPENING AND BLANK OFF THE UPPER WITH INSULATED (R-8) PANEL. DUCT 48"x12" DUCT DOWN, TERMINATE OPEN END 12" AFF.

- 25. H-1, COMBUSTION AIR HOOD. TERMINATE DUCT OPEN ENDED 6" BELOW STRUCTURE.
- 26. 2" GAS TO GAS FIRED WATER HEATER.
- 27. RV-1, RELIEF VALVE, SEE SCHEMATIC ON M-22.
- 28. 22" FLUE THRU ROOF TO FLUECAP.
- AND EXTEND DOWN TO LOWER LEVEL. EXTEND 20/20 RETURN DUCT THRU ROOF OFFSET TO WALL AND TURN DOWN TO LOWER LEVEL. ENCLOSE DUCTS IN FIRE RATED ENCLOSURE.
- 30. EXTEND OUTSIDE AIR INTAKE HOOD 4'-0" FROM UNIT. SUPPORT HOOD ON LEGS FROM
- 31. TEMPERATURE CONTROL PANEL MOUNTED ON WALL.
- M-18. OFFSET DUCT AND ENCLOSURE TIGHT TO BOTTOM OF STRUCTURE AND TURN UP TO EXHAUST FAN ON ROOF.
- 33. EF-12 EXHAUST FAN, SEE SCHEDULE ON M-26.
- 34. 3/4" HWC DOWN, SEE P-18.
- 35. 2" 140"HW DOWN, SEE P-18 AND P-6.
- 36. 4" GAS FROM BELOW, SEE P-18.
- 37. 2" 110° HW DOWN, SEE P-18 AND P-6.
- 38. 3" CW DOWN, SEE P-18.
- 39. 140° HW TO GWH-2. FOR CONTINUATION OF PIPING SEE DETAIL (1) ON P-6.
- 40. 110° HW TO GWH-2. FOR CONTINUATION OF PIPING SEE DETAIL (1) ON P-6.
- \bigcirc ON P-6.
- 42. 1" HWC (140°) DOWN.
- 44. 2-1/2" HWS, 3/4" HWS, 2-1/2" HWR, 3/4" HWR SEE M-19 FOR
- 45. 4" FIRE SEE P-18 FOR CONTINUATION.
- 46. FIRE, 2-1/2" CW, 2" HW, 1" HWC. ROUTE HIGH ABOVE STAIR CEILING, SEE P-17 FOR CONTINUATION.
- 47. CHEMICAL POT FEEDER. SEE DETAIL (H) ON M-28.
- 49. UH-8, UNIT HEATER, SEE SCHEDULE ON M-27 AND DETAIL (G) ON M-28.
- 50. ERD-1, EQUIPMENT ROOM DRAIN. CONNECT 3" WASTE AND ROUTE TO NEAREST TOILET GROUP BELOW. ROUTE 2" VENT UP TO 3" VTR, TYP.
- 51. 3/4" CW DOWN TO HB-1, HOSE BIBB.

- 29. RTU-1 ROOFTOP HVAC UNIT. EXTEND 20/16 SUPPLY DUCT THRU ROOF
- 32. 12x12 EXHAUST DUCT UP FROM LOWER LEVEL IN FIRE RATED ENCLOSURE. SEE

- 41. CW TO GWH-2 . FOR CONTINUATION OF PIPING SEE DETAIL
- 43. 2" HWS & HWR DOWN. SEE M-18 FOR CONTINUATION.
- CONTINUATION.
 - RETURN CONNECTION AT AHU-4.
- 48. TEA-2, THERMAL EXPANSION ABSORBER. PLENUM. SLOPE BOTTOM OF PLENUM TO DRAIN OUT FACE OF LOUVER.
 - 22. 3" CWS AND CWR. SEE M-19 FOR CONTINUATION.

BUILDING E MECHANICAL ROOM SCALE: 1/4" = 1' - 0"

BANQUET

FLAG NOTES: O

SUSPENDED ON MEZZANINE.

- 1. AHU-4 AIR HANDLING UNIT SEE SCHEMATIC ON M-22.
- 2. AHU-5 AIR HANDLING UNIT SEE SCHEMATIC ON M-22.
- 3. AHU-6 AIR HANDLING UNIT SEE SCHEMATIC ON M-22.
- 4. 18x18 GREASE DUCT UP IN FIRE RATED ENCLOSURE TO EF-10
- ON ROOF. SEE M-18 FOR CONTINUATION. . OFFSET 48/24 RETURN DUCT IN VERTICAL RISER TO CLEAR BEAM AT FLOOR OF PENETRATION, SEE M-18 FOR CONTINUATION.
- 6. 40/24 DUCT DOWN TO LOWER LEVEL FROM MUA-5, SEE M-18.
- 7. MUA-5 ON ROOF. EXTEND 25/23 DUCT THRU ROOF AND TRANSITION TO 40/24.
- 8. TEMPERATURE CONTROL PANEL.
- 9. 10x20 GREASE DUCT IN FIRE RATED ENCLOSURE FROM LOUVER LEVELS TRANSITION TO 16x16 IN VERTICAL RISER. OFFSET WITH RADIUS ELBOWS AND TURN UP TO EXHAUST FAN ON ROOF.
- 10. FIRE RATED ACCESS PANEL THROUGH FIRE RATED ENCLOSURE TO ACCESS GREASE DUCT CLEAN-OUT PANEL.
- 11. EF-11 EXHAUST FAN ON ROOF WITH VENTILATED CURB. TYPICAL OF EF-10, EF-9, AND EF-8. CONNECT 16x16 EXHAUST DUCT.
- 12. 12x10 EXHAUST DUCT UP IN FIRE RATED ENCLOSURE TO $\overline{EF}-7$ ON ROOF.
- 13. TEMPERATURE CONTROL PRINTER AND COMPUTER MODEM.
- 14. 3" HWS AND HWR SEE M-19 FOR CONTINUATION.
- 15. 3/4" HWS AND HWR SEE M-19 FOR CONTINUATION TO BASEBOARD RADIATION.
- 16. 4" FIRE DOWN FROM FIRE DEPARTMENT CONNECTION, SEE P-18 AND M-2 FOR CONTINUATION.
- 17. TURN 48/24 DUCT DOWN TIGHT TO WALL AND ROUTE BELOW AHU-6 AND ROUTE TO AHU-5.
- 18. 42/26 RETURN DUCT TURN DOWN AND OFFSET BELOW AHU-6 TO
- 19. SEE M-19 FOR CONTINUATION
- 20. SEE M-18 FOR CONTINUATION.
- 21. SL- STATIONARY LOUVER, SET IN WINDOW OPENING. STUB INTO 36" DEEP

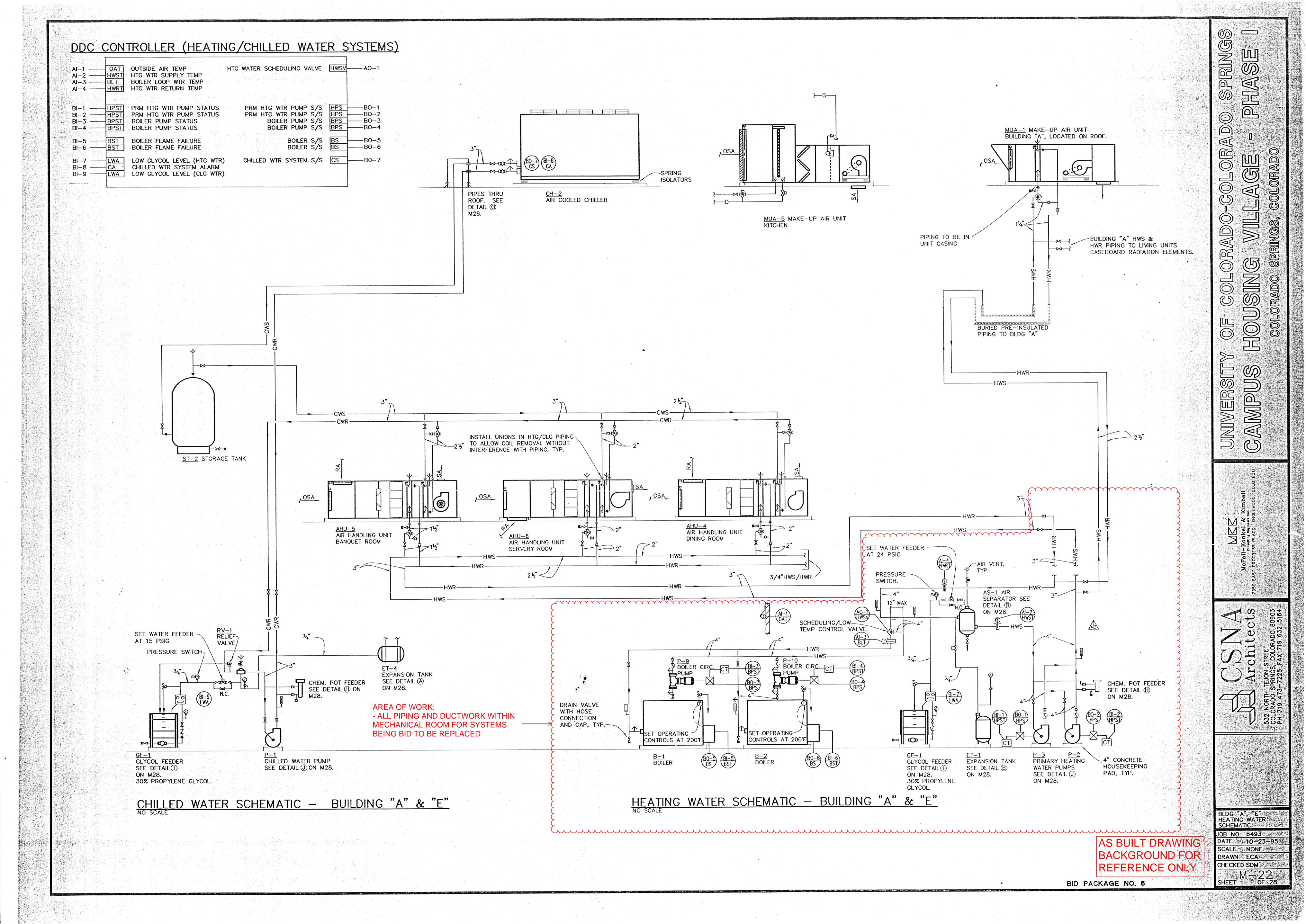
- 23. UH-3, UNIT HEATER. SEE DETAIL G ON M-28 AND SCHEDULE ON M-27.
- 24. TEMPERATURE CONTROL COMPRESSOR WITH AIR DRYER. 25. ACCESS PLATFORM. REFER TO ARCHITECTURAL AND STRUCTURAL DWGS.
- 25. ERD-1, EQUIPMENT ROOM DRAIN, CONNECT 3" WASTE, 1-1/2" VENT.
- ROUTE WASTE TO NEAREST 4" WASTE BELOW AND ROUTE 1-1/2" VENT TO 3" VTR. 27. HB-1, HOSE BIBB. ROUTE 3/4" CW UP FROM NEAREST CW MAIN IN KITCHEN BELOW.

GENERAL NOTES:

1. PROVIDE 4" P-TRAP AND PIPE ALL DRAIN PANS FULL SIZE TO NEAREST EQUIPMENT ROOM DRAIN.

> AS BUILT DRAWING **BACKGROUND FOR** REFERENCE ONLY

BID PACKAGE NO. 6



GAMPUS

JOB NO. 8765
DATE 01-15-96 SCALE NO SCALE
DRAWN AEA CHECKED SDM

							۵			1					AIR	COOL	ED Ch	HILLE	ER SC	HEDUL	Ε	
ITEM	DWG. NO.	TYPE	CAP TONS	MCA		EVA	PORAT	OR		С	OMPRESSO	R			CONDE	NSER FAN		COND.	%	OP. WT.	MANUFACTURER	NOTES
	NO.		TONS		EWT F	LWT F	GPM	P.D. FEET	NO.	V-Ø	STRTR	KW	RLA L	RA NO	0. HP	V-ø	STRTR	TEMP.	GLYCOL PROPYLENE	LBS.	& MODEL NO.	
CH-1	M-17	SCROLL	50	97	55	45	115	17.5	4	460-3	INTEGRAL	55.7	15.5/24.295	/142 6	5 1	460-3	INTEGRAL	95	30	5800	TRANE CGAE-C50	BUILDINGS "B", "C", & "D"
CH-2	M-21	SCROLL	60	119	55	45	130	18.15	4	460-3	INTEGRAL	73.1	25.4 14	2 6	5 1	460-3	INTEGRAL	95	30		TRANE CGAE-C60	BUILDING E
								8 8 ²⁰	×								0					

								N N N		"16				All	RH	AN	DLING	G UI	NIT ,	/ RE	TUR	N FA	N SC	HEC	DULE				,			
ITEM	DWG.	SERVIC	100	-			SUPPLY	AIR FAN					(HILLE	D WATE	R COIL							HEAT	ING HO	T WATER	COIL				OP WT	MANUFACTURER	NOTES
	NO.	g « «	CFM	MIN. F.	AN E.	.S.P.	T.S.P.	MOTOR			SENS.	E.A.	T. L.A.		HILLED			MAX.		HEATING	G CAP.	E.A.T.	L.A.T.		ATING W		T	MAX. 4	7 b	LBS.	& MODEL NO.	NOTES
a N			-	CFM	0	ALT.	ALT.	HP	V-ø	STRTR	CAP.	0014	P P	GP GP	M E.W.T	L.W.T	% GLY	AIR	WATER FT. W.C	CFM	MBH		F	GPM	E.W.T.	L.W.T.	% GLY		WATER FT. W.C.			
AHU-1	M-20	BLDG "F	3" 11 14	0 2040	FC 1	1 51	3.18	15	160 7	MAG HOA			B DB						<u> </u>		4	DB	DB		17	7	(PROP)	IN. W.C.	FT. W.C.			
		BLDG. "(2.92			MAG-HOA			2 55 5		45°	55.	30%	0.35	8.11	2800	84	. 20	55	13	200	170	30	0.15	0.68	2766	TRANE MCC SIZE 21	
										MAG-HOA	1111		2 55 5		45°	The second second second second	30%	0.33	4.03	4980	82	38	55	10	200	170	30	0.11	0.51	1664	TRANE MCC SIZE 10	
		BLDG. "[6920				2.67			MAG-HOA			2 55 5	AND DESCRIPTION OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED I	45°		30%	0.30	4.82	1780	23	40	55	10	200	170	30	0.06	0.46		TRANE MCC SIZE 14	
				0 5000			2.58			MAG-HOA		83 6	2 60 5	45	45°		30%	0.20	5.99	5000	378	-1	87	30	200	170	30	0.10	0.86		TRANE MCC SIZE 21	
	-	2		0 3200		2.26	3.62	7–1/2	460-3	MAG-HOA	176	80 6	2 60 5	55 40	45°	55*	30%	0.17	4.37	3500	236	0 ,	75	16	200	170	30	0.11	0.53		TRANE MCC SIZE 21	*3200/1600 CFM HI/LO
<u>.HU−6</u>	M-21	SERVERY	7200	7200	-C 1	1.00	2.32	5	460-3	MAG-HOA	201	91 6:	2 60 5	1 45	45°	55°	30%	0.42	4.98	7200	548	-1	82	40	200	170	30	0.13	2.01	2207	TRANE MCC SIZE 14	MIN OA FROM CO ₂ SENSOR 2 SPEED MOTOR

TEM DWO	S. SER			I=			PLY AIR									TER CO								HEAT	NG HOT	WATER	COIL				OP. WT.	MANUFACTURER	NOTES
. 110.		. 0	FM N	MIN. FAN	E.S.P.	T.S.P	MO	TOR D			SENS.	E.A.	T. L./			D WAT		Control of the Control	. ΔΡ				E.A.T.	L.A.T.	HEA	TING W	ATER		MAX. Z	P	LBS.	& MODEL NO.	140125
	İ.			CFM	O ALT	. @ AL	T. H	P	V-ø	STRTR	CAP.	DBIA	/B DB		PM E.W	/.T. L.W.	T. % GI	LY AIR P) IN. W	WAT	CFN	1	MBH	F	F	GPM	Ę.W.T.	L.W.T.	% GLY		WATER			
1U−1 M−2	BLDG	"R" 11	140 2	040 FC	1 51	3.18	15		60.7	MAC HOA					5.5	.							DB	DB		<u> </u>	, F	(PROP)	IN. W.C.	FT. W.C.			
U-2M-2				500 FC				- 4		MAG-HOA	and the second second of				55 4	55	30%				300	84	20	55	13	200	170	30	0.15	0.68	2766	TRANE MCC SIZE 21	
					1.34	2.92		4		MAG-HOA			2 55		25 4)3 49	980	82	38	55	10	200	170	30	0.11	0.51	1664	TRANE MCC SIZE 10	
-3M-2				65 FC	1.55	2.67				MAG-HOA		and the second second	2 55		35 4	5. 55	30%	o.30	4.8	32 17	780	23	40	55	10	200	170	30	0.06	0.46		TRANE MCC SIZE 14	
				000 FC		2.58				MAG-HOA		83 6	2 60	54	45 45	5 55	30%	o.20	5.9	9 50	000	378	-1	87	30	200	170	30	0.10	0.86		TRANE MCC SIZE 21	
J-5M-2	BANQ	UET 9	500 3	5200 FC *	2.26	3.62	? 7-	1/2 4	60-3	MAG-HOA	176	80 6	2 60	55	40 4	5 55	30%	6 0.17	4.3	37 35	500	236	0 ,	75	16	200	170	30	0.11	0.53		TRANE MCC SIZE 21	*3200/1600 CFM HI/LO
J-6M-2	SERVI	ERY 7	200 7	200 FC	1.00	2.32	5	4	60-3	MAG-HOA	201	91 6	2 60	51	45 45	5 55	30%	0.42	4.9	8 72	200	548	-1	82	40	200	170	30	0.13	2.01	2207	TRANE MCC SIZE 14	MIN OA FROM CO ₂ SENSO 2 SPEED MOTOR

			ą.	9 2	, e	ar a	9		5		, l	MAKE	-UF	AIR	UNI	T S	CHED	ULE (I	HOT V	VATER)		*	×		A 7			
ITEM	DWG. NO.	SERVICE	CFM	FAN		PPLY AIR F		Ą						T WATER				•	OP.	MANUFACTURER	NOTES				;			
y y	110.			FAN TYPE		T.S.P.	RPM MAX.	HP	MOTO V-ø	R DATA STRTR	CAP. MBH	E.A.T.	L.A.T. F	HEAT GPM	NG WA			Δ P WATER	WT. LBS.	& MODEL NO.								
NALLA 1		DI DO "A"	7000	50		Ø ALT.					, ,	DB	DB		F	F	in. w.c.	WATER FT. W.C.										
		BLDG "A"	3000	FC	.375	1.48	1120	2	460-3	MAG-HOA	144.2	2	58	10	200	170	.06	.22	3500	TRANE PCC-07								
MUA-2	M-9		3600	FC	.375	1.68	1250	3	460-3	MAG-HOA	173	2	58	12	200	170	.10	.29	3500	TRANE PCC-07								
MUA-3	M-13	BLDG "C"	3600	FC	.375	1.68	1250	3	460-3	MAG-HOA	173	2	58	12	200	170	10	.29	3500	TRANE PCC-07					 			
MUA-4	M-17	BLDG "D"	2400	FC	.375	1.23	1000	1.5	460-3	MAG-HOA	115.3	2	58	X	200	170	04	16						· · · · · · · · · · · · · · · · · · ·	 			
MUA-6	M-29	BLDG "F"	3300	FC	0.5	1.1	980		460-3	MAG-HOA	158	1 2	58	11	200	170	.04	16	3500	TRANE PCC-07								
MUA-7	M-32		3300	FC	0.5	11	980			MAG-HOA	158	+ 2		11	200			.16	3500	TRANE PCC-07								
MUA-8					0.5	1.7			The second secon			1 2	58	11	200	170	.04	.16	3500	TRANE PCC-07								
MUA-0	M-33	BLUG H	3900	FC	0.5	1.2	1132	3	460-3	MAG-HOA	187	2	58	13	200	170	.04	.16	3500	TRANE PCC-07								

					•	MAKE-	-UP AI	R UNIT S	CHEDULE	(DIRE	CT GA	S FIRE	D)			
ITEM	DWG. NO.	SERVICE	CFM		HEATING CAPACITY — (INPUT OUTPUT MBH @ S.L. MBH @ S.L.	TEMP. RISE F	CONDITION EDB EWB		VE COOLING SECT MAX. FACE VELOCITY FPM HP	PUMP	MEDIA DEPTH IN.	AIR \triangle P IN. W.C.	OP. WT. LBS.	MANUFACTURER	NOTES	
MUA-5	M-21	KITCHEN	10350	FC 2.2 7-1/2 460-3 INTEGRAL	718 460	74	91 62	63 90	600 1/4	115-1	12"	0.25	2800	ENGINEERED AIR HE 131Q	DIRECT GAS FIRED HEATING.	

NO. CFM MIN. OSA FAN TYPE OF ALT. RTU-1 M-21 RETAIL & OFFICE 850 180 FC 37 1735 1/2 208 1 NAT. RTU-1 M-21 RETAIL & OFFICE 850 180 FC 37 1735 1/2 208 1 NAT.		e e						R	OOF	TOP	HVA	C UNIT	SCHED	ULE (GAS FII	RED H	TG./ [OX C	LG.)						
RTU-1 M-21 RETAIL & OFFICE 850 180 FC 37 1725 1/2 208 1 NT	ITEM	NO.	G.	SERVICE	CFM	MIN. OSA	FAN	ESP IN. W.C.							PE INPUT	OUTPUT					WT.	MANUFACTURER & MODEL NO.	NOTES			
	RTU-1	M-	-21 F	RETAIL & OFFICE	850	The second secon	FC	.37	1725	1/2	208-1	INT.	15.7	NAT	MBH OS.L.	MBH GALT.	18.8			TEMP. F	LBS.	TRANE YCCO24F				

		-		BOI	LER S	SCH	ED	JLE	(H	OT W	ATER)	
ITEM	DWG. NO.	SERVICE	TYPE	INPUT MBH	ACITY OUTPUT MBH ALT.	EWT F	LWT F	GPM	FUEL TYPE	OP. WT. LBS.	MANUFACTURER & MODEL NO.	NOTES
B-1	M-21	A, & E	CAST IRON	1690	1085	174	200	95	NG	5150	WEIL McLAIN LGB-14	30% PROP GLYCOL
B-2	M-21	A, & E	CAST IRON	1690	1085	174	200	95	NG	5150	WEIL McLAIN LGB-14	
B-3	M-20	B, C, & D	CAST IRON	1820	1164	177	200	116	NG	5500	WEIL McLAIN LGB-15	
B-4	M - 20	B, C, & D	CAST IRON	1820	1164	177	200	116	NG	5500	WEIL McLAIN LGB-15	
B-5	M-20	B, C, & D	CAST IRON	1820	1164	177	200	116	NG		WEIL McLAIN LGB-15	

		Ε	XPAN	SION	TANK	SCHEDU	JLE ([DIAPHRAGM	TYPE)
ITEM	DWG. NO.	SERVICE	VOL	UME	%	FILL PRESS	OP. WT.	MANUFACTURER	NOTES
	,		TANK	ACCEP- TANCE	GLYCOL PROPYLENE	PSI	LBS	& MODEL NO.	
ET-1	M - 21	B-1,2	119	119	30%	26	1300	AMTROL 500L	BLDGS "A" & "E"
ET-2	M-20	CH-1	10.5	4.65	30%	26	150	AMTROL AX40	BLDGS "B", "C", & "D"
ET-3	M-20	B-3,4,5	342	167	30%	24	4100	AMTROL 1400L	BLDGS "B", "C", & "D"
ET-4	M-21	CH-2	2.18	.63	30%	15	120	AMTROL AX15	BLDGS "A" & "E"
	•	2							

	9						PI	JN	1P	SCH	IEDUL	E			15
ITEM	DWG. NO.	TYPE	SERVICE	GPM	GLY.		NPSH FT. W.C.		RPM	MOTOR V-ø	DATA STRTR	OP. WT LBS.	MANUFACTURER & MODEL NO.	NOTES	CON- TROL
		BASE MTD.		130	30%	50	3.18	5	1750	460-3	MAG-HOA	350	B&G SERIES 1510 2-1/2AB	SERVES BLDGS A & F	***
			PRIM. HTG. WTR.	95	30%	50	4.2				MAG-HOA		B&G SERIES 1510 1-1/2BC		***
			PRIM. HTG. WTR.	95	30%	50	4.2	3	1750	460-3	MAG-HOA		B&G SERIES 1510 1-1/2BC		***
			PRIM. HTG. WTR.	210	30%	60	5	5	1750	460-3	MAG-HOA		B&G SERIES 1510 2BC	SERVES BLDGS B, C, & D	
			PRIM. HTG. WTR.	210	30%	60	5	.5	1750	460-3	MAG-HOA	350	B&G SERIES 1510 2BC	SERVES BLDGS B, C, & D	
			B RECIRC	116	30%	20	3.9	1	1750	460-3	MAG-HOA		B&G SERIES 80 3x3x7B	SERVES BLDGS B, C, & D	5.00
			B RECIRC	116	30%	20	3.9	1	1750	460-3	MAG-HOA		B&G SERIES 80 3x3x7B	SERVES BLDGS B, C, & D	
			B RECIRC	116	30%	20	3.9	1	1750	460-3	MAG-HOA	300	B&G SERIES 80 3x3x7B	SERVES BLDGS B, C, & D	***
			B RECIRC	95	30%	20	3.7	1	1750	460-3	MAG-HOA	205		SERVES BLDGS A & E	***
			B RECIRC	95	30%	20	3.7	1	1750	460-3	MAG-HOA			SERVES BLDGS A & E	***
		BASE MTD		115	30%	65	4.5	5	1750	460-3	MAG-HOA		B&G SERIES 1510 1-1/2BC		***
			DOM. WATER 110°		0%	8	-	1\12	1750	115-1	. -		B&G SERIES 100	SERVES BLDGS A & E	***
			DOM. WATER 140°	5.0	0%	4.0	_	1\12	1750	115-1			B&G SERIES 100	SERVES BLDGS A & E	***
			DOM. WATER	9.5	0%	6	_	1\12	1750	115-1			B&G SERIES 100	SERVES BLDGS B, C, & D	***
			DOM. WATER	3.5	0%	5	_	1\12	1750	115-1	_		B&G SERIES 100	SERVES BLDG H	***
			DOM. WATER	3.0	0%	3.0	-	1\12	1750	115-1	_			SERVES BLDG G	***
			DOM. WATER	4.0	0%	8	-	1\12	1750	115-1		1		SERVES BLDG F	***
			FIRE PUMP	1000	0%	47 PSI	_	75	1750	460-3	*			**	***
FP-2	M - 20	IN-LINE	JOCKEY FP	15	0%	52 PSI	-	3	1750	4603	*			**	***

* STARTER INTEGRAL WITH PUMP CONTROLLER ** CONTRACTOR RESPONSIBLE FOR ACTUAL PUMP SELECTION, HP LISTED ARE MAX. ALLOWED. *** SEE SECTION 15900

	,		,	WATE	RH	EA	TER	SCH	EDUL	E (GA	S FIRED)	4
ITEM	DWG.			RECOVERY	TEMP.		CIRCUL	ATING PUM	IP	N H	MANUFACTURER	NOTES
	NO.	GAL.	MBH INPUT S.L.	GPH	RISE F	HP	GPM	VOLT-ø	FT. HEAD	WEIGHT	& MODEL NO.	
GWH-1/ST-1	M-20	700	2065	2035	100	1/2	90	115-1	15	1376/9531	LOCHINVAR CWN 2065	BLDB B,C & D
GWH-2	M-21	700	2065	2035	100	1/2	90	115-1	15	10907	LOCHINVAR PTN-2065-700-T-H-J	the second secon

					EXH	AUS	TF	AN	IS	CHE	EDUL	E			
ITEM	DWG. NO.	TYPE	AREA SERVED	CFM	T.S.P. IN. W.C.	DRIVE TYPE	SONES			TOR DA		OP. WT. LBS.	MANUFAC*		NOTES
F-1	M-6	IN-LINE (CLG)	"B" PLAZA LVL	950	0.5	BELT	4.7	1/4	875	115-1		60.	GREENHECK	CSP-160A	*
F-2			BLDG. "A"	3,000	0.5	BELT	13.1	3/4	973	460-3	MAG-HOA	100	GREENHECK	CUBE-180	* RUNS CONTINUOUSLY
			BLDG. "B"	3,600	0.5	BELT	14.0	3/4	1055	460-3	MAG-HOA	100	GREENHECK	GB-180	* RUNS CONTINUOUSLY
F-4	M-13		BLDG. "C"	3,600		BELT	14.0	3/4	1055	460-3	MAG-HOA	100	GREENHECK	GB-180	* RUNS CONTINUOUSLY
F-5			BLDG. "D"	2,400	0.5	BELT	12.5	1/2	1028	115-1		90	GREENHECK	GB-160	* RUNS CONTINUOUSLY
F-6	M-19		TOILETS "E"	1020	0.375	BELT	8.7	1/4	1490	115-1	-	50	GREENHECK	GB-100	*
F-7			SERVERY HOOD	1500	1.5	BELT	12.3			CO. 12 120	MAG-HOA		GREENHECK	CUBE 160HP	*
F-8		UPBLAST	SERVERY HOODS	7000		BELT	26	5	1010	460-3	MAG-HOA	230	GREENHECK	CUBE 300HP	*
			KITCHEN HOOD	5400		BELT	22	- 3	1200	460-3	MAG-HOA	150	GREENHECK	CUBE 240HP	*
			KITCHEN HOOD	4000		BELT	17.4	2	1015	460-3	MAG-HOA	150	GREENHECK	CUBE 220HP	*
			KITCHEN HOOD	3000	,2	BELT	19.75	2	1545	460-3	MAG-HOA	100	GREENHECK	CUBE 180HP	*
F-12	M - 21	DOME	TOILETS (KIT)	850	.625	BELT	8.2	1/4	1535	115-1	-	50	GREENHECK	GB 100	*
F-13	M -19		PANTRY W/ BACKDRAFT DAMPER	900	.375	BELT	7.1	1/4	1045	115-1		60	GREENHECK	CUBE 120	* LINE VOLTAGE WALL SWITCH
			FIRE PUMP	2500	.5	BELT		3/4	2155	460-3	MAG-HOA	110	GREENHECK	TAB-18M	*
		IN-LINE (CLG)		2400	.625	BELT	18	1	1605	460-3	MAG-HOA		GREENHECK		*
F-16	M-10	IN-LINE (CLG)	ELEC-C107	1065	.5	BELT	12.8	818 W	1610	115-1	-	70	GREENHECK	SP 165	* INTEGRAL GRILLE-8.6 AMPS
F-17	M-19		DISH HOOD W/ BACKDRAFT DAMPER	750	.625	BELT	11.1	1/4	1295	115–1				CUBE 140HP	LINE VOLT WALL SWITCH
		DRAFT FAN	BLDG. "C" FLUE	-	_	_	_	350W	1600	115-1		90	EXHAUSTO		TYP. 2 FANS MOUNTED TOGETHER PACKAGED CONTROL
	M-31		BUILDING F	3300	.625	BELT	11.4	3/4	860	460-3	MAG-HOA		GREENHECK	CUBE 200	
	M - 34	The second secon	BUILDING G	3300	.625	BELT	11.	3/4	860	460-3	MAG-HOA		GREENHECK	CUBE 200	
-21	M-37	UPBLAST	BUILDING H	3900	.625	BELT	13.1	1	930	460-3	MAG-HOA		GREENHECK		

* SEE SECTION 15900

					HOOD	SCHE	DULE			
ITEM	DWG. NO.	SERVICE	CFM	S.P. LOSS IN.	THROAT SIZE IN.	HOOD SIZE IN.	MANUFACTURER & MODEL NO.		NOTES	
RH−1	M-19	RELIEF	4250	.05	24 X 48	42 X 77	PENN AIRETTE	4	BUILDING E BANQUET	
1-1	M-21	COMB AIR		.05	30 X 48	50 X 80	PENN AIRETTE		_	
		٠.,								
						*				

GENERAL NOTES: 1. HEAVY LINE WEIGHT INDICATES NEW EQUIPMENT IN PHASE II

2. LIGHT LINE WEIGHT INDICATES EQUIPMENT SPECIFIED IN PHASE I

Enervex RSV 315 Chimney Fans *These Fans will be removed

AS BUILT DRAWING BACKGROUND FOR REFERENCE ONLY

POST BID ADDENDUM NO. 3 TO BID PACKAGE NO. 6 SHEET 0F

						HO	Γ۷	VAT	ER	COIL	SCH	IEDI	JLE		·
ITEM	DWG. NO.	CFM	MAX. FACE	CAP.	E.A.T.	L.A.T.			WATER		ΔΡ	OP. WT.	COILS #-SIZE (LxH)	MANUFACTURER & MODEL NO.	NOTES
	NO.	a .	VELOCITY FPM	мвн	PB,	(F) DB		E.W.T. (°F)	L.W.T. (°F)	AIR (IN W.C.)	WATER (FT. W.C.)	LBS.	#-SIZE (LXH)	& MODEL NO.	,
HC-1	M-10	1200	900	43.2	55	91	4.6	200	180	.02	.11	85	24x12	TRANE TYPE WC	
HC-2	M-10	2400	900	86.4	55	90	9.5	200	180	.02	.15	130	28×18	TRANE TYPE WC	
HC-3	M-10	1400	900	50.4	55	96	6.6	200	180	.02	.52	85	24x12	TRANE TYPE WC	
HC-4	M-18	1500	900	51.5	55	95	6.8	200	180	.02	.53	85	24x12	TRANE TYPE WC	
	,				9.			N							

							V	VALL	FIN	1 R	ADIA	ATIO	N SCHEDULE	
a .	ITEM		,	BTUH/LF (DERATED)*	EWT F	F	TUBE	ING ELEI FINS PER FT.	ROWS		JT SIZES HWR IN.	FIN SIZE IN.	MANUFACTURER & MODEL NO.	NOTES *BTUH DERATED FOR VELOCITY, GLYCOL, ALTITUDE.
	BBR-1	VARIES	850	600	200	180	3/4"	50	1	3/4"	3/4"	31/4"	STERLING LB2	
	3BR-2	M-19	850	600	200	180	3/4"	50	1	3/4"	3/4"	31/4"	STERLING LB2	4
	3BR-3	M-19	990	700	200	180	3/4"	40	1	3/4"	3/4"	4 ¹ / ₄ x ³⁵ / ₈ "	STERLING VERSA LINE STYLE SS	
[3BR-4	M-19	850	600	200	180	3/4"	50	1	3/4"	3/4"	31/4"	STERLING LB2	
					V.			8.8				v.		

2		*	CA	RIN	LI,	/U	NI	H	LA	ILI	〈 :	SCHED	ULE	<u> </u>	IUI	WA	IEK)	
ITEM	DWG.	SERVICE	TYPE	CFM	WATER				AIR		MOTOR	TOR DATA		RUNOUT SIZES		MANUFACTURER	NOTES	
	NO.		9 4	2 N	EWT F	LWT F	GPM	GLY. %	PD FEET		LAT F	HP (or AMPS)	V-ø	RPM	HWS	HWR	& MODEL NO.	
JH-1						# 14 H			¥									NOT USED
JH-2			v										R 20					NOT USED
JH-3	M - 21	MECH E212	HOR.	2400	200	170	5.9	30%	1.20	60	94	1/4	115-1	1140	1"	1"	KINGSTON 134ER-	18
JH-4	M-19	RC'V E215	HOR.	2400	200	170	5.9	30%	1.20	60	94	1/4	115-1	1140	1"	1"	KINGSTON 134ER-	18
JH-5	M - 15	LOAD D	HOR.	1450	200	170	3.8	30%	0.38	60	96	1/8	115-1	1550	3/4"	3/4"	KINGSTON 88ER-1	4
JH-6	M-15	RC'V D	HOR.	1450	200	170	3.8	30%	0.38	60	96	1/8	115-1	1550	3/4"	3/4"	KINGSTON 88ER-1	4
JH-7	M - 18	STORAGE	HOR.	1450	200	170	3.8	30%	0.38	60	96	1/8	115-1	1550	3/4"	3/4"	KINGSTON 88ER-1	4
JH-8	M-21	MECH E222	HOR.	1450	200	170	3.8	30%	0.38	60	96	1/8	115-1	1550	3/4"	3/4"	KINGSTON 88ER-1	4
JH-9	M - 20	FP ROOM	HOR.	2400	200	170	5.9	30%	1.20	60	94	1/4	115-1	1140	1"	1"	KINGSTON 134ER-	18
JH-10	M - 20	MECH C108	HOR.	2400	200	170	5.9	30%	1.20	60	94	1/4	115-1	1140	1"	1"	KINGSTON 134ER-	18
JH-11	M - 20	MECH C107	HOR.	2400	200	170	5.9	30%	1.20	60	94	1/4	115-1	1140	1"	1"	KINGSTON 134ER-	18
JH-12	M - 20	MECH C106	HOR.	2400	200	170	5.9	30%	1.20	60	94	1/4	115-1	1140	1"	1"	KINGSTON 134ER-	18
		V 1, 1					<i>a</i>	H G					v		u .	•		
UH-1	M-3	FOYER AP	WALL		200	170	1	30%	0.22			0.55A	115 - 1	2800	3/4"	3/4"	KINGSTON TRW-14	INTEGRAL T'STA
UH-2	M-4	FOYER A2	WALL		200	170	1	30%	0.22			0.55A	115-1	2800	3/4"	3/4"	KINGSTON TRW-14	INTEGRAL T'STA
UH-3	M-5	FOYER A3	WALL		200	170	1	30%	0.22			0.55A	115-1	2800	3/4"	3/4"	KINGSTON TRW-14	INTEGRAL T'STA
UH-4	M-6	FOYER B103	WALL		200	170	1	30%	0.22			0.55A	115-1	2800	3/4"	3/4"	KINGSTON TRW-14	INTEGRAL T'STA
UH-5	M-7	VEST. B209	WALL		200	170	1	30%	0.22			0.55A	115-1	2800	3/4"	3/4"	KINGSTON TRW-14	INTEGRAL T'STA
UH-6	M-10	VEST, C103	WALL		200	170	1	30%	0.22			0.55A	115-1	2800	3/4"	3/4"	KINGSTON TRW-14	INTEGRAL T'STA
UH-7	M-14	VEST. D103	WALL		200	170	1	30%	0.22			0.55A	115-1	2800	3/4"	3/4"	KINGSTON TRW-14	INTEGRAL T'STA
UH-8	M - 18	VEST. KIT	WALL		200	170	1	30%	0.22			0.55A	115-1	2800	3/4"	3/4"	KINGSTON TRW-14	INTEGRAL T'STA
UH-9	M - 18	FOYER KIT	WALL		200	170	1	30%	0.22			0.55A	115-1	2800	3/4"	3/4"	KINGSTON TRW-14	INTEGRAL T'STA
UH-10	M-7	CORR B203	WALL		200	170	1	30%	0.22		a .	0.55A	115-1	2800	3/4"	3/4"	KINGSTON TRW-14	INTEGRAL T'STA
UH-11	M-8	CORR B303	WALL		200	170	1	30%	0.22			0.55A	115-1	2800	3/4"	3/4"	KINGSTON TRW-14	INTEGRAL T'STA
UH-12	M-9	CORR B403	WALL		200	170	1	30%	0.22			0.55A	115-1	2800	3/4"	3/4"	KINGSTON TRW-14	INTEGRAL T'STA
UH-13	M - 13	CORR C403	WALL		200	170	1	30%	0.22			0.55A	115-1	2800	3/4"	3/4"	KINGSTON TRW-14	INTEGRAL T'STA
UH-14	M-11	CORR C203	WALL	e e	200	170	1	30%	0.22) 000-000 ann	0.55A	115-1	2800	3/4"	3/4"	KINGSTON TRW-14	INTEGRAL T'STA
UH-15	M-12	CORR C303	WALL		200	170	1	30%	0.22			0.55A	115-1	2800	3/4"	3/4"	KINGSTON TRW-14	INTEGRAL T'STA
UH-16	M-19	MNTR E201	CLG	200	200	170	1	30%	3.9			0.55A	115-1	_	3/4"	3/4"	TRANE FFCB020	INTEGRAL T'STA
UH-17	M-15	FOYER D203	WALL		200	170	1	30%	0.22			0.55A	115-1	2800	3/4"	3/4"	KINGSTON TRW-14	INTEGRAL T'STA
UH-18	M-16	FOYER D303	WALL		200	170	1	30%	0.22			0.55A	115-1	2800	3/4"	3/4"	KINGSTON TRW-14	INTEGRAL T'STA
UH-19	M - 17	FOYER D403	WALL		200	170	1	30%	0.22			0.55A	115-1	2800	3/4"	3/4"	KINGSTON TRW-14	INTEGRAL T'STA
UH-20	M-3	STAIRS A101	WALL		200	170	1	30%	0.22			0.55A	115-1	2800	3/4"	3/4"	KINGSTON TRW-14	INTEGRAL T'STA
UH-21	M-6	STAIRS B101	WALL		200	170	1	30%	0.22			0.55A	115-1	2800	3/4"	3/4"	KINGSTON TRW-14	INTEGRAL T'STA
UH-22	M-16	STAIRS C101	WALL		200	170	1	30%	0.22			0.55A	115-1	2800	3/4"	3/4"	KINGSTON TRW-14	INTEGRAL T'STA
UH-23	M - 14	DINING E109	WALL		200	170	1	30%	0.22			0.55A	115-1	2800	3/4"	3/4"	KINGSTON TRW-14	INTEGRAL T'STA
UH-24	M-18	STAIRS 101	CONC	375	200	170	1	30%	1.1	,	i i	1.6A	115-1	1070	3/4"	3/4"	TRANE FFCB040	REMOTE T-STA
UH-25		STAIRS F101	SURF.	11 15	200	170	1	30%	0.22			0.55A	115-1	2800	3/4"	3/4"	KINGSTON TRW-14	INTEGRAL T'STA
UH-26	*	VEST. F108	WALL		200	170	1	30%	0.22			0.55A	115-1	2800	3/4"	3/4"	KINGSTON TRW-14	INTEGRAL T'STA
UH-27	1	VEST. F208	WALL	e e	200	170	1	30%	0.22			0.55A	115-1	2800	3/4"	3/4"	KINGSTON TRW-14	INTEGRAL T'STA
UH-28	3	VEST. F308	WALL	8	200	170	1	30%	0.22			0.55A	115-1	2800	3/4"	3/4"	KINGSTON TRW-14	INTEGRAL T'STA
UH-29	*	STAIRS G101	SURF.		200	170	1	30%	0.22			0.55A	115-1	2800	3/4"	3/4"	KINGSTON TRW-14	INTEGRAL T'STA
UH-30		VEST. G108	WALL		200	170	1	30%	0.22			0.55A	115-1	2800	3/4"	3/4"	KINGSTON TRW-14	INTEGRAL T'STA
UH-31		VEST. G208	WALL		200	170	1	30%	0.22			0.55A	115-1	2800	3/4"	3/4"	KINGSTON TRW-14	INTEGRAL T'STA
UH-32	2	VEST. G308	WALL		200	170	1	30%	0.22				115-1	2800	3/4"	3/4"	KINGSTON TRW-14	INTEGRAL T'STA
UH-33	A second of the	STAIRS H101	SURF.		200				0.22						A STATE OF THE PARTY OF THE PAR		KINGSTON TRW-14	INTEGRAL T'STA
UH-34		VEST. H108		<u> </u>	200			30%	0.22								KINGSTON TRW-14	
UH-35		VEST. H208			200		W 10 W 10 W		0.22						3/4"		KINGSTON TRW-14	
UH-36		VEST. H308			200	a compression of	2 1 2 2 2 2 2 2 2 2		0.22					2800			KINGSTON TRW-14	

	×		STAT	IONA	RY LO	OUVER	SCHEDUL	_E ,	
ITEM	DWG. NO.	SERVICE	CFM	S.P. LOSS IN.	VELOCITY FPM	MINIMUM FREE AREA SQ FT	LOUVER SIZE IN. W x IN. H	MANUFACTURER & MODEL NO.	NOTES
SL-1	M-6	EXHAUST	950	.06	525	1.6	24x36	AMERICAN WARMING LF-47	n*e
SL-2	M-10	EXHAUST	1065	.08	525	2	36×24	AMERICAN WARMING LF-47	
SL-3	M-20	O.A. INTAKE	11140	.06	525	21	76x92	AMERICAN WARMING LF-47	,
SL-4	M-20	O.A. INTAKE	5000	.06	525	9.5	48×60	AMERICAN WARMING LF-47	,
SL-5	M-20	EXHAUST	2400	.06	525	6	36×48	AMERICAN WARMING LF-47	
SL-6	M-20	COMBUSTION AIR	8500	.08	600	13	60x72	AMERICAN WARMING LF-47	
SL-7	M-20	COMBUSTION AIR	8500	.08	600	13	60x72	AMERICAN WARMING LF-47	
SL-8	M-20	O.A. INTAKE	2500	.08	525	4.5	36×42	AMERICAN WARMING LF-47	
SL-9	M-20	EXHAUST	2500	.08	700	3.8	36×36	AMERICAN WARMING LF-47	
SL-10	M-20	O.A. INTAKE	6900	.06	525	13.1	60×72	AMERICAN WARMING LF-47	
SL-11			٨		2				NOT USED
SL-12	M-21	COMBUSTION AIR	5680	.08	600	9.45 TOTAL	(4) 48×48	AMERICAN WARMING LF-47	
SL-13	M-21	O.A. INTAKE	15400	.08	600	25.7 TOTAL	(4) 48×48	AMERICAN WARMING LF-47	
SL-14	M-21	O.A. INTAKE	15400	.08	600	25.7 TOTAL	(4) 48×48	AMERICAN WARMING LF-47	
SL-15	M-20	O.A. INTAKE	1065	.08	600	1.8	24×36	AMERICAN WARMING LF-47	
SL-16	M-19	RELIEF	2500 EA	.02	325	8.45 EA.	96x32	AMERICAN WARMING LF-47	
SL-17	M-17	ELEVATOR VENT	_	.02	_	3	48×24	AMERICAN WARMING LF-47	NEED TC DAMPER FOR LOUVER
SL-18	Tar.						8 H ²	9	NOT USED
SL-19	M-14	RELIEF BLDG. "D"	5000	.02	300	17.07	72×72	AMERICAN WARMING LF-47	
SL-20	M-17	ELEVATOR VENT	_ n	.02	_	3	48×24	AMERICAN WARMING LF-47	NEED TO DAMPER FOR LOUVER
8				1, 1	4				

SPRINGS PHASE GOLORADO **E** COLORADO HOUSING UNIVERSIT GAMPU

JOB NO. 8765

DATE 01-15-96

SCALE NO SCALE:

DRAWN AEA

CHECKED SDM AS BUILT DRAWING