			HYDRON	VIC RA	DIAN	IT CEILIN	JG PAN	JFL SC	CHEDUI				
		GENERAL	11151(0)			PHYSICAL			RMANCE	<b></b>	REM	ARKS	
				DIMEN	ISIONS	TU	BING						
	TAG	MANUFACTURER	MODEL	WIDTH (IN)	LENG <sup>-</sup>		PASSES (NO.)	FLOW (GPM)	CAPACITY (BTUH/LF)	TYPE	RATINGS	FEATURES	INSTAL
_	RP-1	AIRTITE	AR-X	24	AS PE PLAN	1 6/Q"	4	1.0	218	1	1	1,2	1,2,3
	RP-2	AIRTITE	AR-X	12	AS PE PLAN	6/Q"	4	1.0	218	1	1	1,2	1,2,3
	RE	MARKS - TYPE	REMARKS - F	RATINGS		F	REMARKS - F	EATURES			REMARKS	- INSTALL	
Α	1. EXTRU	JDED ALUMINUM	1. 170°F MEAN FLUID 70°F SPACE TEMF AVERAGE UNHEA TEMPERATURE, 3	PERATURE, TED SURFA	67°F	0.0725" INTI PANELS WI STEEL CRC TUBING CL INTERCONI MOUNTING REQUIRED PROVIDE M INCLUDING ENDS (AND ALLOWS FC OF THE CE AFFECT ON FINISHES C	TH INTEGRADSS BRACES IPED INTO SON BECTORS, RECTORS, RECTORS, RECTORS ACOMINATION OVERLAPPIOUS EXPANSION EXPANSION EXPANSION THE ADJACT ON ADJACTS	EXTRUDED AL TUBE SA B, TYPE L CO ADDLES, W ETURN U-E E, AND ACC PLETE INST CCESSORIE ING FINISH ECESSARY ON AND CO L WITHOUT CENT ARCH CENT PANE / GAPS IN 1	O ALUMINUM DDLES, OPPER VITH PANEL SENDS, ESSORIES FALLATION. ES TRIM AT THAT ONTRACTION ADVERSE ITECTURAL	3.	SEE DETAIL PROVIDE 6" WITH FOIL F ENTIRE TOP THICK RIGID GAPS AT JO REFER TO P INSTALLATIO	BATT INSULA ACE OVER T SURFACE, E INSULATIO ISTS AND BE IPING DETAI	HE EXCEPT N AT EAMS. LS FOR

HYDRONIC UNIT HEATER SCHEDULE																			
			PHYS.			PERFOR	RMANCE					ELEC	TRICAL			REM	ARKS		
TAG	MANUFACTURER	MODEL	LOCATION	WEIGHT (LBS)	МВН	GPM	HWS&R BRANCH PIPE SIZE	WPD (FT WG)	LAT (°F)	CFM	FAN SPEED	WATTS	HP	VOLTAGE	PHASE	TYPE	RATINGS	FEATURES	INSTALL
UH-1	MESTEK	HS-125A	SEE PLANS	-	27.8	3	3/4"	-	100	580	-	-	25W	120	1	1	1	1,2	1,2
	REMARKS -	TYPE		REMAR	KS - RATING	SS	•			RE	MARKS - FE	ATURES	1			REMA	RKS - INSTAL		
1. HOR	IZONTAL		1. 180°F EW	T, 160°F LWT	Г, 60°F EAT,	30% PROP	YLENE GLYC	OL	_		RD FAN GUA DRIZONTAL		CAL BLADES			UTOMATIC	BALANCING HIGHER SIZE		GPM

				EL	ECTRI	C HEA	TER S	CHEDU	ILE							
		GENERAL				PERFO	RMANCE				ELECTRICAL	-		REM	ARKS	
TAG	MANUFACTURER	MODEL	LOCATION	KW	STAGES	МВН	CFM	FAN SPEED	LAT (°F)	AMPS	VOLTAGE	PHASE	TYPE	RATINGS	FEATURES	INSTALL
EH-A	QMARK	EFF1500	SEE FLOOR PLANS	1.5	1	5.12	150	-	90	12.5	120	1	1	1	1,2,3	1,2
EWH-A	QMARK	AWH4404F	STAIR-MP101.A	3.0	1	10.2	100	N/A	90	14.4	208	1	3	1	1,3	1
EUH-A	QMARK	MUH05-21	041 MAIN ELEC. ROOM	3.7	1	12.6	350	1600	90	18.0	208	1	4	1	1,3	-
	REMARKS - TY	PE	REM	ARKS - RAT	INGS			REMA	ARKS - FEAT	TURES			REN	MARKS - INS	TALL	
2. NOT 3. WAL	ESSED CEILING MOUNT USED. L MOUNTED ELECTRIC PENDED, UNIT HEATER	HEATER	1. LAT AT 60°F INLE	ET AIR TEM	PERATURE		2. BUIL 3. PRO CAP CON	ABLE OF BE	JTO-ON SW ECTION TO ING MONIT NCLUDE AL	BMS, UNIT S ORED AND L RIB RELAY		2. WAS 3. PRO		ER	URERS PEDE RE	ESTAL

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			F	IYDRO	NIC CA	ABINET	UNIT	HEATE	ER SCH	HEDUL	E								
		GENERAL				PERFOR	RMANCE				ELEC.	TRICAL			REM	ARKS			
TAG	MANUFACTURER	MODEL	LOCATION	MBH	GPM	WPD (FT WG)	LAT (°F)	CFM	FAN SPEED	AMPS	HP	VOLTAGE	PHASE	TYPE	RATINGS	FEATURES	INSTALL		
CUH-A	MESTEK	RC-03	SEE FLOOR PLANS	18.8	1.50	0.16	104	335	HIGH	0.80	1/15	115	1	1	1	ALL	ALL		
CUH-B	MESTEK	RC-04	SEE FLOOR PLANS	24.8	2.50	0.41	105	430	HIGH	1.40	1/10	115	1	1	1	ALL	ALL		
CUH-C	MESTEK	RW-03	SEE FLOOR PLANS	18.8	1.50	0.16	104	335	HIGH	0.80	1/15	115	1	2	1	ALL	ALL		
CUH-D	MESTEK	RW-04	SEE FLOOR PLANS	24.8	2.50	0.41	105	430	HIGH	1.40	1/10	115	1	2	1	ALL	ALL		
	REMARKS - T	YPE		REMARKS -	RATINGS	•		•	REMARKS	- FEATURE	S			REMARKS - INSTALL					
DISCH	NG, BOTTOM INLET GRII HARGE GRILLE SSED WALL	LLE, BOTTOM	1. 180°F EWT, 16 GLYCOL	0°F LWT, 60	°F EAT, 30 F	PROPYLENE	2.	RECESS UN LIMITED AC EXTRUDED	CESS FASTI	ENERS, FRO	NT PANEL		2. SELECT			G VALVE FOI ZE	R GPM		

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**REVISIONS** DESCRIPTION UCONN FIELD HOUSE -

OLD REC CENTER RENOVATION

PROJECT ADDRESS: 2111 HILLSIDE ROAD, STORRS, CT 06269

20210041

MECHANICAL SCHEDULES AND

A DIAGRAMS TPG

01/31/2025

CHECKED BY:

M6.00

			HYDROI	NIC PA	NEL R	ADIAT	OR SCI	HEDUL	E						
		GENERAL			PHYS	SICAL		P	ERFORMAN	CE			REM	ARKS	
					ļ	DIMENSIONS	S		BTUH						
TAG	MANUFACTURER	MODEL	LOCATION	# OF TUBES	HEIGHT (IN)	DEPTH (IN)	LENGTH (IN)	GPM	PER FOOT	ВТИ	H TYP	Έ	RATINGS	FEATURES	INSTALL
R-1	RITTLING	PR2F-1	V1A VESTIBULE	2	5.75	5.00	15'-0"	1.00	395	5,925	5 1		1	1-3	1
R-2	RITTLING	PR2F-1	V1A VESTIBULE	2	5.75	5.00	7'-6"	1.00	395	2,962	2 1		1	1-3	1
	REMARKS - TYPE	:	REMARKS - R	KATINGS			REMARK	(S - FEATUR	₹ES			RI	EMARKS - II	NSTALL	
	SEBOARD HOTWATER PA DIATOR	ANEL	1. 140°F ENTERING WAT	ER TEMPER	ATURE	WOF 2. 3/4" 3. BAKI	NDARD PRES RKING PRES CONNECTIO ED ENAMEL ECTABLE BY	SURE ONS FINISH, CO	LOR	G	1. SEE D	ETAII	L 12/M5.03		

		GENERAL		PHYS	SICAL			PERFOR	RMANCE				ELECTRICAL			REM	MARKS	
						F	AN		С	OIL								
TAG	MANUFACTURER	MODEL	LOCATION	WEIGHT	COIL ROWS	CFM	ESP (IN WG)	MBH	GPM	WPD (FT WG)	LWT (°F)	WATTS	VOLTAGE	PHASE	TYPE	RATINGS	FEATURES	INSTAL
FCU-A	DAIKIN	FCHC 06	SEE FLOOR PLANS	139	4	600	0.05	65.2	4.4	-	150	147	120	1	1	1	1,2	1,2,3
	REMARKS -	TYPE		REMAR	KS - RATING	S			R	EMARKS - FEA	ATURES				REMAR	RKS - INSTA	LL	
1. HORIZ MOTO	ONTAL CONCEALED, HOR	OT WATER COIL, ECM		FORMANCE C T 180.0°F EW 70.0°F EAT			NCE TO	_	_	K DUCT COLL CFM MOTOR			2. 3	INDICATED SUSPEND U CORNERS V	OR NEXT H NIT FROM VITH NEOP .EXIBLE DU	IGHER SIZE STRUCTURE RENE VIBRA	VALVE FOR G : E ABOVE AT I ATION HANGE CTIONS AT IN	FOUR ERS

						D	UCT S	ILENC	ER SC	HEDUL	.E												
		GENERAL				PHY	SICAL						PERFOR	RMANCI	<b>=</b>							REMARKS	3
					ROUND	RECTA	NGULAR	LENGTH			AIRFLOW			DYNA	MIC INS	SERTIO	N LOSS	(dB) BY	OCTA	VE BAND (H	z)		
TAG	MANUFACTURER	MODEL	LOCATION	SERVICE	DIAMETER 'D' (IN)	WIDTH 'W' (IN)	HEIGHT 'H' (IN)	'L' (IN)	CFM	AREA (SQ FT)	FPM	DIRECTION	APD (IN WG)	63	125	250	500	1000	2000	4000 80	00 TYPE	RATINGS	FEATURE
SA-1a-S	VIBRO-ACOUSTICS	RD-HV-AY32147	SEE FLOORPLAN	AHU-1a	-	40	14	96	4400	3.88	1131	+	0.16	6	12	20	35	43	34	20	4 1	1	1,2
A-1a-R	VIBRO-ACOUSTICS	RED-HV-AY32147	SEE FLOORPLAN	AHU-1a	-	12	50	96	4400	4.16	1056	-	0.26	6	17	21	34	40	37	29	1 2	1	1,2
A-2a-S	VIBRO-ACOUSTICS	RD-MV-AY32147	SEE FLOORPLAN	AHU-2	-	26	14	84	2525	2.53	999	+	0.22	9	14	24	38	39	28	18	4 1	1	1,2
A-2a-R	VIBRO-ACOUSTICS	RD-HV-AY32147	SEE FLOORPLAN	AHU-2	-	26	14	84	2525	2.53	999	-	0.22	7	14	21	31	29	20	14	1 1	1	1,2
SA-2b-S	VIBRO-ACOUSTICS	RD-MHV-AY32147	SEE FLOORPLAN	AHU-3	-	20	10	120	820	1.39	590	+	0.14	10	19	34	35	39	23	18	6 1	1	1,2
A-2b-R	VIBRO-ACOUSTICS	RD-MHV-AY32147	SEE FLOORPLAN	AHU-3	-	20	10	120	820	1.39	590	-	0.10	11	21	36	37	39	25	17	5 1	1	1,2
SA-5-S	VIBRO-ACOUSTICS	RED-MHV-AY32147	SEE FLOORPLAN	AHU-5	-	34	14	96	3200	3.31	968	+	0.29	9	16	24	32	33	30	25	9 2	1	1,2
SA-5-R	VIBRO-ACOUSTICS	RD-MV-AY32147	SEE FLOORPLAN	AHU-5	-	40	14	90	3200	3.89	823	-	0.19	11	17	30	31	36	23	16	3 1	1	1,2
SA-6-S	VIBRO-ACOUSTICS	RD-UHV-AY32147	SEE FLOORPLAN	AHU-6	-	30	10	120	1815	2.08	871	+	0.05	4	12	22	30	29	17	14	4 1	1	1,2
SA-6-R	VIBRO-ACOUSTICS	RD-MHV-AY32147	SEE FLOORPLAN	AHU-6	-	32	10	120	1815	2.22	817	-	0.09	11	21	36	40	41	29	20	7 1	1	1,2
SA-7-S	VIBRO-ACOUSTICS	RED-HV-AY32147	SEE FLOORPLAN	AHU-7	-	16	36	84	4300	4.00	1075	+	0.18	9	12	17	28	28	29	23	9 2	1	1,2
SA-7-R	VIBRO-ACOUSTICS	RED-HV-AY32147	SEE FLOORPLAN	AHU-7	-	16	36	84	4300	4.00	1075	-	0.23	9	12	18	30	28	29	21	9 2	1	1,2
SA-8-S	VIBRO-ACOUSTICS	RD-MV-AY32147	SEE FLOORPLAN	AHU-8	-	32	32	60	7800	7.11	1097	+	0.21	6	11	20	23	25	19	15	2 1	1	1,2
SA-8-R	VIBRO-ACOUSTICS	RD-MHV-AY32147	SEE FLOORPLAN	AHU-8	-	32	32	60	7800	7.11	1097	-	0.24	6	12	19	23	22	17	14	2 1	1	1,2
SA-9-S	VIBRO-ACOUSTICS	RED-HV-AY32147	SEE FLOORPLAN	AHU-9	-	14	40	60	4300	3.89	1106	+	0.28	6	8	17	21	35	36	28 2	1 2	1	1,2
SA-9-R	VIBRO-ACOUSTICS	RED-UHV-AY32147	SEE FLOORPLAN	AHU-9	-	40	14	72	4300	3.89	1106	-	0.35	7	10	10	21	21	24	19	6 2	1	1,2
SA-10-S	VIBRO-ACOUSTICS	RED-MLV-AY32147	SEE FLOORPLAN	AHU-10	-	24	24	84	3000	4.00	750	+	0.27	11	15	27	44	48	39	21	4 2	1	1,2
SA-10-R	VIBRO-ACOUSTICS	RED-MLV-AY32147	SEE FLOORPLAN	AHU-10	-	20	42	84	3000	5.83	514	+	0.27	10	19	32	44	49	46	36	9 2	1	1,2
SA-11-S	VIBRO-ACOUSTICS	RD-MV-AY32147	SEE FLOORPLAN	AHU-11	-	34	16	84	4000	5.00	1059	+	0.26	8	15	27	30	36	24	18	4 1	1	1,2
SA-11-R	VIBRO-ACOUSTICS	RD-MHV-AY32147	SEE FLOORPLAN	AHU-11	-	34	16	84	4000	5.00	1059	-	0.14	8	15	26	28	29	21	16	4 1	1	1,2
SA-12-S	VIBRO-ACOUSTICS	RED-HV-AY32147	SEE FLOORPLAN	AHU-12	-	44	44	60	18000	13.44	1339	+	0.34	6	9	15	22	29	31	25	9 2	1	1,2
SA-12-R	VIBRO-ACOUSTICS	RED-UHV-AY32147	SEE FLOORPLAN	AHU-12	-	40	40	84	18000	11.11	1620	+	0.23	7	11	12	22	24	27	21	7 2	1	1,2
SA-13-S	VIBRO-ACOUSTICS	RED-MHV-AY32147	SEE FLOORPLAN	DOAS-1	-	24	10	72	1300	1.67	780	+	0.26	7	11	17	28	23	33	26	0 2	1	1,2
SA-13-R	VIBRO-ACOUSTICS	RD-MV-AY32147	SEE FLOORPLAN	DOAS-1	-	24	10	72	1300	1.67	780	+	0.20	7	13	22	37	35	24	15	2 1	1	1,2
SA-14	VIBRO-ACOUSTICS	RD-ulv-f6	SEE FLOORPLAN	AHU-10	-	20	14	36	500	1.94	257	-	0.03	7	12	18	24	35	28	17	2 2	1	1,2
	ΓANGULAR, GLASS FIBE ΓANGULAR ELBOW, GLA		PE									CC	)NFIGURATI	ON									
		REMARKS - RATI	NGS			/							<u></u>	`									
. AIR F	PRESSURE DROP (APD)	AND ACOUSTICAL DATA		TO ASTM E477		<u></u>								$\rightarrow$						<u> </u>			
A C C C	JSTIC MEDIA SHALL CO			- 4000/ NATURAL								/ /	/A'/										

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NOT ACCEPTABLE SUBSTITUTES FOR THE ACOUSTIC MEDIA.

MINIMUM COMPRESSION OF 15% DURING SILENCER ASSEMBLY, AND SHALL NOT CAUSE OR ACCELERATE CORROSION OF ALUMINUM OR STEEL. GLASS FIBER AND ROCK WOOL ARE

ADJUST DIMENSIONS 'A' & 'B' SUCH THAT 'A' + 'B' = 'L', AND SUCH THAT THE SILENCER FITS AS INTENDED; 'A' & 'B' NEED NOT BE THE SAME LENGTH

						ISOLATION AND NO	OISE CONTROL						REM	MARKS
UNIT TAG	EQUIPMENT TYPE	TYPE	CURB HEIGHT (IN)	SUPPLY AIR FLOW CFM	SUPPLY PRESSURE DROP IN. WG	RETURN AIR FLOW CFM	RETURN PRESSURE DROP IN. WG	MIN. DEFL. IN.	SEISMIC RESTRAINT REQ'D	WIND RESTRAINT CO	SEISMIC COMPONENT IMPORTANCE FACTOR I	NC LEVEL REQUIRED	TYPE	FEATURES
AHU-1b	ROOF TOP UNIT	NCC-VCR-AY32147	30	6900	0.35	6900	0.35	3	NO	YES	1	NC-30	1	1,2,3
AHU-3	ROOF TOP UNIT	NCC-VCR-AY32147	30	6300	0.35	6300	0.35	3	NO	YES	1	NC-30	1	1,2,3
AHU-4	ROOF TOP UNIT	NCC-VCR-AY32147	30	2975	0.35	2975	0.35	3	NO	YES	1	NC-30	1	1,2,3
REMARKS - TYPE REMARKS - FEATURES													1	
1. ADJU	ISTABLE SPRING NOISE	CONTROL CURB			1. CURB MOUNTED TREATMENT PAC 2. NOISE CONTRO L BELOW. 3. NOISE CONTROL									

HORIZONTAL ELBOW

RECTANGULAR

VERTICAL ELBOW



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**REVISIONS** NO DATE DESCRIPTION

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OLD REC CENTER RENOVATION

PROJECT ADDRESS: 2111 HILLSIDE ROAD, STORRS, CT 06269

20210041

MECHANICAL SCHEDULES AND DIAGRAMS

12" = 1'-0" TPG

EMG

M6.02

01/31/2025