/AC R	OOM SCHEDULI	=									
	D FLOOR										
ROOM #	ROOM NAME	FLOOR AREA	ROOM VOLUME	REQ'D	REQ'S CFM**	DESIGN AIR VELOCITY	REQ'D AREA of DUCT	REQ'D AREA of DUCT	R <sup>2</sup>	R	REMARKS
		SQ. FT.	CU. FT.			FT./MIN.	SQ. FT.	SQ. IN.			
01	COMMINICATIONS ROOM	140	1,104 CU. FT.	12	224	600	.38	54	17	4	_
01A	CHIEF OFFICE	125 SQ. FT.	1.016 CU. FT.	6	100	600	.17	24	37	6	_
02	COMMUNITY ROOM	600 SQ. FT.	5,913 CU. FT.	6	480	600	.80	115.20	8	3	_
03	STAFF KITCHEN	120 SQ. FT.	1,089 CU. FT.	6	96	600	.16	23.04			N.I.C.
04	W. SHOWER ROOM	28 SQ. FT.	224 CU. FT.								N.I.C.
05	W. TOILET	28 SQ. FT.	224 CU. FT.								N.I.C.
06	M. TOILET	35 SQ. FT.	280 CU. FT.								N.I.C.
07	M. SHOWER ROOM	32 SQ. FT.	256 CU. FT.								N.I.C.
08	FIRE DEPT. GARAGE	2,584 SQ. FT.	33,592 CU. FT.								N.I.C.
09	LAUNDRY/EQIUIP	253 SQ. FT.	3,289 CU. FT.	10	352	600	.59	84.48	27	5	
09A	ROOM Elec. Panel Closet	18 SQ. FT.	180 CU. FT.			_					
10	AMBULANCE BAY	280 SQ. FT.	3,640 CU. FT.				_	_			
1 1	BUNK 01	125 SQ. FT.	1,000 CU. FT.	6	100	600	.17	24	8	3	_
12	BUNK 02	125 SQ. FT.	1,000 CU. FT.	6	100	600	.17	24	8	3	-
13	BUNK 03	125 SQ. FT.	1'008 CU. FT.	6	100	600	.17	24	8	3	_
14	BUNK 04	130 SQ. FT.	1,032 CU. FT.	6	104	600	.17	24.96	8	3	_
15	BUNK 05	130 SQ. FT.	1,096 CU. FT.	6	104	600	.17	24.96	8	3	_
16	CHIEF BUNK	145 SQ. FT.	1,144 CU. FT.	6	104	600	.17	24.96	15	4	
16A	TELECOMMINUCATION CLOSET	55 SQ. FT.	550 CU. FT.						10	3	
16B	STEAM PIT CLOSET	43 SQ. FT.	430 CU. FT.								
16C	FIRE SPRINKLER CLOSET	24 SQ. FT.	240 CU. FT.								
17	BUNK 06	133 SQ. FT.	1,064 CU. FT.	6	100	600	.17	24.96	10	3	_
18	BUNK 07	124 SQ. FT.	992 CU. FT.	6	100	600	.17	24	8	3	_
19	BUNK 08	125 SQ. FT.	1,000 CU. FT.	6	100	600	.17	24	8	3	_
20	NEW STORAGE	230 SQ. FT.	2,300 CU. FT.								N.I.C.
21	NEW M & R GARAGE	- SQ. FT.	CU. FT.								N.I.C.
22	EXISTING TRANSFORMER RM.	184 SQ. FT.	2,392 CU. FT.								N.I.C.
C01	CORRIDOR A	103 SQ. FT.	824 CU. FT.	6	92	600	.15	22.08	8	3	_
C02	CORRIDOR B	58 58 SQ. FT.	464 CU. FT.	6	60	600	.10	14.40	6	2	_
C03	CORRIDOR C	108 SQ. FT.	864 CU. FT.	6	80	600	.13	19.20	8	3	_
C04	CORRIDOR D	146 SQ. FT.	536 CU. FT.	6	104	600	.17	24.96	8	3	_
C05	CORRIDOR E	90 SQ. FT.	720 CU. FT.	6	92	600	.15	22.08	8	3	_
	TOTAL	6,327 SQ. FT.	70,111 CU. FT.		2,592						

### HVAC EQUIPMENT SCHEDULE - OUTDOOR AIR COOLED CONDENSING UNIT SCHEDULE

#### GROUND FLOOR

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toot

vile for

ter inch = one foot

oue dual

one eighth inch = one foot  $0 \quad 4 \quad 8 \quad 16$   $0 \quad 4 \quad 8 \quad 16$ 

4 ------

TAG # LOCATION UNIT COOLING AMBIENT TEMP. SUCTION TEMP. ELECTRIC COMPRESS. COND. FAN MCA MOP MODEL/MANUFACTURER DIMENSIONS APP		
TAG #   LOCATION   UNIT   COOLING   AMBIENT TEMP.   SUCTION TEMP.   ELECTRIC   COMPRESS.   COND. FAN   MCA   MOP   MODEL/MANUFACTURER   DIMENSIONS   APP	PPROX. UNIT   EER	REMARKS
"     SERVED     (TMBH)     (°F)     (°F)     VOLT./PH/HZ     NO./FLA     NO./FLA     (L × W × H)     W	WT. (LBS.)	BASIS OF DESIGN AS LISTED. O DEGREES F LOW AMBIENT O
ACC-01 PAD MTD. AHU-01 123.8 95 39.2 208/3/60 2/22.4 2/3 60.80 80 CARRIER 38AUD14A0AS-0A-0-C-0 60"x46"x50"	654 11.5	DICONNECT SWITCH, GFI CONVENIENCE OUTLET, INTERLOCK W
PARKING SIDE		

## HVAC EQUIPMENT SCHEDULE - AIR HANDLING UNIT SCHEDULE

#### 

			GENERAL	_						DX C	COOLING					SUF	PLY FAN	DATA		DIMENSIONS	APPROX. UNIT	ELECTRICAL	
			INFORMATIO	NC																$(L \times W \times H)$	WT. (LBS.)	(V/PH/HZ)	
tag #	AREA SERVED	LOCATION	MFG'R	MODEL NO.	. SUPPLY CFM	OUTSIDE AIR CFM	MAKE	MODEL	COOLING (TMBH)	COOLING (SMBH)			LADB (DEG. F)	LAWB (DEG. F)	MAKE	MODEL	OUTPUT (MBH)	EAT (DEG. F)		7'-10" x 4'-3"x 2'-5"	787	208/3/60	PROVIDE SUPPORT TO HAVE VIBRATION ISOL
AHU-01	FIREHOUSE QUARTERS	LAUNDRY UTILITY ROOM	CARRIER	39LA06	3,000	600	CARRIER	28NE	131	89	82	68	55	54	CARRIER	28LZ	106	53	86				DOUBLE WALL CONST AND HIGH EFFICIENC

## HVAC EQUIPMENT SCHEDULE - STEAM TRAP SCHEDULE

# GROUND FLOOR

GUUN						
TAG #	LOCATION	UNIT	EQUIP. DEMAND	EQUIP.	PIPE CONNECTION	REMARKS
11		SERVED	(#/HR)	PRESSURE (PSI)	SIZE	
ST-1	LAUNDRY ROOM UTILITY ROOM		115	5	1 ½" INLET	SPIRAX-SARCO BELL FLOAT-THERMOSTATIC TYPE "H"
					•	

		CONSULTANTS:	ARCI
Bid Documents	08-17-2021		
100% Working Drawing Submission	08-16-2021		
95% Working Drawing Submission	05-21-2021		
65% Working Drawing Submission	02-26-2021		
35% Working Drawing Submission	06-25-2018		
100% Preliminary Design	10-05-2017		
Revisions:	Date:		

VA FORM 08-6231, OCT 1978

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TAG #	NOMINAL SIZE (IN.)	AREA SERVED	AIR FLOW MAX.	DESIGN AIR FLOW	MAX. PRESSURE DROP	CONTROL TYPE	CONTROL SEQUENCE	VOLT. FOR ELEC HEAT COIL	POWER (KW) FOR ELEC. HEAT COIL	AMP. FOR ELEC HEAT COIL	. REMARKS
VAV-01	4"	BUNK 3	229	100	.25 INWG	DDC	VAV	208-1-60	1	4.8	WITH ELECTRIC REHEAT
VAV-02	4"	BUNK 4	229	100	.25 INWG	DDC	VAV	208-1-60	1	4.8	WITH ELECTRIC REHEAT
VAV-03	4"	BUNK 5	229	100	.25 INWG	DDC	VAV	208-1-60	1	4.8	WITH ELECTRIC REHEAT
VAV-04	4"	TELE. CL. RM.16A	229	125	.25 INWG	DDC	VAV	208-1-60	1	4.8	WITH ELECTRIC REHEAT
VAV-05	5"	CHIEF BUNK /OFFICE RM. 16	515	225	.25 INWG	DDC	VAV	208-1-60	2	9.6	WITH ELECTRIC REHEAT
VAV-06	5"	CORR. CDE	515	200	.25 INWG	DDC	VAV	208-1-60	2	9.6	WITH ELECTRIC REHEAT
VAV-07	4"	BUNK 6	229	120	.25 INWG	DDC	VAV	208-1-60	1	4.8	WITH ELECTRIC REHEAT
VAV-08	5"	COMM. RM. 01	515	225	.25 INWG	DDC	VAV	208-1-60	2	9.6	WITH ELECTRIC REHEAT
VAV-09	4"	BUNK 8	229	125	.25 INWG	DDC	VAV	208-1-60	1	4.8	WITH ELECTRIC REHEAT
VAV-10	4"	BUNK 7	229	100	.25 INWG	DDC	VAV	208-1-60	1	4.8	WITH ELECTRIC REHEAT
VAV-11	4"	BUNK 2	229	100	.25 INWG	DDC	VAV	208-1-60	1	4.8	WITH ELECTRIC REHEAT
VAV-12	4"	BUNK 1	229	100	.25 INWG	DDC	VAV	208-1-60	1	4.8	WITH ELECTRIC REHEAT
VAV-13	6"	COMM. RM. 02, KITCHEN RM. 03, & CORR. AB	916	580	.25 INWG	DDC	VAV	208-1-60	4	19.25	WITH ELECTRIC REHEAT
VAV-14	5"	LAUNDRY/UTILITY	916	350	.25 INWG	DDC	VAV	208-1-60	2	9.6	WITH ELECTRIC REHEAT

ELECTRICAL AND MAINTAINANCE ACCESS. PROVIDE CEILING PANEL ACCESS WHERE NEEDED FOR ACCESS TO UNIT. PROVIDE SPACE PRESSURE CPMTRPLLER AMD DISPLAY, PRESSURE DIFFERENTIAL SENSORS, AND

INTERLOCKS TO MAINTAIN REQUIRED SPACE PRESSURE DIFFERENTIAL. SEE CONTROLS SHEET. PROVIDE A STANDALONE DDC CONTROLS SYSTEM WITH THE CAPABILITY TO BE CONNECTED TO A BMS SYSTEM IN THE FUTURE. SUSPEND VAV UNITS ABOVE ACCOUSTICAL CEIINGS FROM THE BUILDINGS STRUCTURE AS PER

HVAC EQUIPMENT SCHEDULE - VAV AIR TERMINAL UNIT SCHEDULE

MANUFACTURER'S INSTALLATION IINSTRUCTIONS. BASIS OF DESIGN: CARRIER AXIS 35E SINGLE DUCT TERMINALS.

	APPROVED:	APPROVED:	Drawing Title	Project Title		Project Numbe	
NORTH:			New HVAC Schedules			620-20-	
2	APPROVED:	APPROVED:	Ground Floor	Firehouse En	Building(s) Nur		
			Scale: N.T.S.				
	APPROVED:	APPROVED:	Approved: Facility Director , VAHVHCS:	Location		Drawing Numb	
				Montros	se, New York		
*	APPROVED:	APPROVED:	Approved: John Cliffe, Facility Chief of Engineering	Date	Checked Drawn	- ME 6	
''//				08-30-2021	AMI AMI	Dwg 36 of	
	NORTH:	NORTH:     APPROVED:     APPROVED:	NORTH:       APPROVED:       APPROVED:         APPROVED:       APPROVED:       APPROVED:	NORTH:	NORTH:       New HVAC Schedules       Firehouse Er         APPROVED:       APPROVED:       Scale: N.T.S.       Firehouse Er         APPROVED:       APPROVED:       Approved: Facility Director , VAHVHCS:       Location         APPROVED:       APPROVED:       Approved: Facility Director , VAHVHCS:       Location         APPROVED:       APPROVED:       Approved: Facility Chief of Engineering       Date	NORTH:       Image: North of the second	

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IT CONTROL. 6" HIGH CONCRETE PAD, K WITH AHU—

REMARKS

T TO HANG AHU FROM UNDERSIDE OF ROOF DECK. SUPPORT ASSEMBLY SHALL I ISOLATORS PER MANUFACTURER'S RECOMMENDATION. DISCONNECT SWITCH, CONSTRUCTION WITH PERFORATED INNER WALL FOR FAN SECTION, ACCESS DOORS, CIENCY MOTORS, VFD. PROVIDE 2-WAY CONTROL VALVES AND THERMOSTATS.

