

FAN COIL UNITS													
SYMBOL	MANUFACTURER / MODEL NUMBER	COOLING		HEATING CAPACITY BTU/HR	AIRFLOW CFM	MAX FAN ESP (IN WG)	SIZE HxWxD (IN)	VOLTAGE	PHASE	MCA	SOUND LEVEL (DBA)	WEIGHT (LBS)	REMARKS
		TOTAL CAPACITY BTU/HR	SENSIBLE CAPACITY BTU/HR										
FCU-1	PEFY-P12NMSU-E	10696.4	7360.4	7167.7	370	0.2	8x32x28	208	1	0.67	35	46	1-7
FCU-2	PVIFY-P12NAMU-E	10395.0	6957.0	8902.0	400	0.8	51x17x22	208	1	3.00	35	113	1,2,4-6
FCU-3	PVIFY-P24NAMU-E	21393.0	17860.0	14335.0	735	0.8	51x17x22	208	1	3.00	38	113	1,2,4-6
FCU-4	PEFY-P18NMAU-E3	16044.6	11835.6	10105.2	600	0.6	10x36x29	208	1	1.56	35	58	1-7
FCU-5	PEFY-P30NMAU-E3	26741.0	18854.9	17178.9	880	0.6	10x44x29	208	1	2.73	39	67	1-7
FCU-6	PEFY-P18NMAU-E3	16044.6	11835.6	10105.2	600	0.6	10x36x29	208	1	1.56	35	58	1-7
FCU-7	PVIFY-P30NAMU-E	26741.0	19018.2	17178.9	875	0.8	55x21x22	208	1	4.13	40	141	1,2,4-6
FCU-8	PEFY-P15NMAU-E3	13181.0	9735.0	9060.0	495	0.6	10x44x29	208	1	1.45	34	58	1-7
FCU-9	PEFY-P24NAMU-E3	21392.8	16384.1	13614.5	580	0.6	10x44x29	208	1	2.73	39	67	1-7
FCU-10	PEFY-P08NMAU-E3	5348.2	4754.4	3378.4	300	0.6	10x28x29	208	1	1.05	29	49	1-7
FCU-11	PVIFY-P12NAMU-E	10395.0	6957.0	8902.0	400	0.8	51x17x22	208	1	3.00	35	113	1,2,4-6
FCU-12	PEFY-P08NMAU-E3	5348.2	4754.4	3378.4	300	0.6	10x28x29	208	1	1.05	29	49	1-7
FCU-13	PEFY-P08NMAU-E3	5348.2	4754.4	3378.4	300	0.6	10x28x29	208	1	1.05	29	49	1-7
FCU-14	PEFY-P08NMAU-E3	5348.2	4754.4	3378.4	300	0.6	10x28x29	208	1	1.05	29	49	1-7
FCU-15	PEFY-P30NMAU-E3	26741.0	18854.9	17773.1	880	0.6	10x44x29	208	1	2.73	39	67	1-7
FCU-16	PEFY-P08NMAU-E3	5348.2	4754.4	3378.4	300	0.6	10x28x29	208	1	1.05	29	49	1-7
FCU-17	PEFY-P30NMAU-E3	26741.0	18854.9	17773.1	880	0.6	10x44x29	208	1	2.73	39	67	1-7
FCU-18	PEFY-P12NAMU-E3	10696.4	7360.4	7167.7	371	0.6	10x28x29	208	1	1.20	34	49	1-7
FCU-AV	PLA-A36BA6	28741.1	22298.4	0.0	1060	-	12x34x34	208	1	2.00	32	55	1,2,4-7,9
FCU-MECH	PKFY-P08NHMU-E2	7029.9	5697.0	4796.6	413	-	12X36X10	208	1	2.00	32	55	1-7

- REMARKS:
1. PROVIDE EACH UNIT WITH A DISCONNECT SWITCH
 2. PROVIDE EACH UNIT WITH FLEX CONNECTIONS AT THE INLET AND OUTLET
 3. PROVIDE EACH UNIT WITH MASON TYPE 30N VIBRATION ISOLATORS WITH 1" STATIC DEFLECTION
 4. PROVIDE EACH UNIT WITH FACTORY INSTALLED CONDENSATE PUMPS
 5. PROVIDE EACH UNIT WITH FIELD FABRICATED, 2" STAINLESS STEEL SECONDARY DRAIN PAN
 6. REFRIGERANT IS TO BE R410A
 7. INSTALL ALL UNITS IN GOOD PRACTICE TO ALLOW FOR PROPER MAINTENANCE ACCESS.
 8. PROVIDE EACH UNIT WITH MASON SUPER W PAD

CONDENSING UNIT SCHEDULE												
SYMBOL	MANUFACTURER/ MODEL NUMBER	REFRIGERANT	TOTAL CAP (COOL) (BTU/H)	TOTAL CAP (HEAT) (BTU/H)	AMBIENT AIR TEMP COOL (°F)	SOUND LEVEL (dBA)	DIMENSIONS (IN) HxWxD	ELECTRICAL DATA			REMARKS	
								MCA	VOLTS	PHASE		
CU-1	DAIKIN / P12TKMU-A	R-410A	117,660	74,879	95	60	65x69x30	45	208	3	715	1-5
CU-2	DAIKIN / P12TKMU-A	R-410A	117,660	74,879	95	60	65x69x30	45	208	3	715	1-5
CU-3	DAIKIN / P12TKMU-A	R-410A	28,741	-	95	48	38x38x13	25	208	1	163	1-6

- REMARKS:
1. PROVIDE WITH UNIT MOUNTED FUSE DISCONNECT.
 2. INSTALL UNIT AND PIPING PER MANUFACTURERS RECOMMENDATIONS. REFER TO MANUFACTURER FOR PROPER PIPE SIZING.
 3. PROVIDE WITH LOW AMBIENT COOLING
 4. SOUNDS LEVEL BASED ON 3.3 FEET MEASUREMENT FROM UNIT
 5. PROVIDE UNIT WITH VIBRATION ISOLATION, SEE DETAIL 5/M-302.00
 6. CU-3 SHALL OPERATE IN COOLING ONLY.

GRILLE SCHEDULE						
SYMBOL	MANUFACTURER / MODEL NO.	DUTY	TYPE	FREE AREA	FACE SIZE	REMARKS
A	PUNCHED METAL GRILLE	SUPPLY/ RETURN/ EXHAUST	CUSTOM	50%	SEE PLANS	1-4
B	TITUS / FL-10	SUPPLY/ RETURN	FLOW BAR	-	SEE PLANS	1-4
C	TITUS / CT-80	SUPPLY/ RETURN	LINEAR BAR GRILLE	-	SEE PLANS	1-4
D	TITUS / CT-481	SUPPLY/ RETURN	LINEAR BAR GRILLE	-	SEE PLANS	1-4
E	TITUS / CT-580	SUPPLY/ RETURN	LINEAR BAR GRILLE	-	SEE PLANS	1-4

GENERAL NOTES:

1. SEE PLANS FOR CFM AND NECK SIZE.
2. MAXIMUM NOISE CRITERIA (NC) SHALL BE 22 UNLESS OTHERWISE NOTED.
3. COLOR AND FINISH TO BE DETERMINED BY ARCHITECT
4. PROVIDE CUSTOM FIELD FABRICATED PLENUM BOX TO MATCH THE SIZE OF THE GRILLE AND DUCT CONNECTION.

BOILER SCHEDULE												
SYMBOL	MANUFACTURER/ MODEL NUMBER	LOCATION	INPUT MBH	DOE OUTPUT MBH	EWT/LWT	FUEL DATA	WATER CONTENT GAL.	OVERALL WEIGHT LBS.	MIN GAS SUPPLY PRESSURE IN WC	MAX. OPERATING PRESSURE PSIG	VENT INNER PIPE COLLAR DIA. IN.	REMARKS
						TYPE						
B-1	VISSMANN/ VITODENS 200-W B2HA 80	MECH C03A	71-285	65-260	130/160	NATURAL GAS	3.4	194	4	60	4 3/8	1-7
B-2	VISSMANN/ VITODENS 200-W B2HA 80	MECH C03A	71-285	65-260	130/160	NATURAL GAS	3.4	194	4	60	4 3/8	1-7
REMARKS:												

- REMARKS:
1. PROVIDE VISSMANN VITOCONTROLS WITH AUTOMATIC LEAD LAG, OUTDOOR RESET, DOMESTIC WATER PRIORITY, LOW LIMIT CONTROL
 2. PROVIDE SPARK IGNITION SYSTEM
 3. PROVIDE WITH 60 PSI RELIEF VALVE
 4. PROVIDE VENTING AND INSTALLATION PER MANUFACTURER RECOMMENDATIONS, NYC AND NATIONAL FUEL GAS CODE AND SPECIFICATIONS.
 5. PROVIDE WITH MOUNTING RACK BY THE MANUFACTURER
 6. PROVIDE WITH MANUFACTURER INSULATION ON MAIN PIPING.
 7. PROVIDE WITH CONDENSATE NEUTRALIZER BY MANUFACTURER

LOUVER SCHEDULE									
SYMBOL	MANUFACTURER / MODEL NUMBER	SERVICE	CFM	VELOCITY (FPM)	FREE AREA (SQ. FT)	NOM. WIDTH IN	NOM. HEIGHT IN	PRESSURE DROP IN W.C.	REMARKS
L-1	GREENHECK / EVH-301	KITCHEN MAKEUP AIR	600	571	1.05	16	23	0.16	1-2
L-2	GREENHECK / EVH-301	KITCHEN MAKEUP AIR	600	571	1.05	16	23	0.16	1-2

REMARKS:

1. PROVIDE WITH BIRD AND INSECT SCREEN
2. FINISH AND COLOR TO BE PROVIDED BY THE ARCHITECT

WINE UNIT													
SYMBOL	MANUFACTURER / MODEL NUMBER	COOLING		Heating Capacity BTU/HR	AIRFLOW CFM	MAX FAN ESP (IN WG)	SIZE HxWxD (IN)	VOLTAGE	PHASE	MCA	SOUND LEVEL (DBA)	WEIGHT (LBS)	REMARKS
		TOTAL CAPACITY BTU/HR	SENSIBLE CAPACITY BTU/HR										
WINE-UNIT	WINE GUARDIAN / D025	4520	3050	1000	200		14X33X14	115	1	11.6	11.6	60	1-5

REMARKS:

1. ROUND FLEX DUCT TO BE USED FOR DUCTING THE SYSTEM

2. REFRIGERANT IS TO BE R410A.

3. PROVIDE WITH INTEGRATED HUMIDIFIER.

4. INTEGRATED HUMIDIFIER REQUIRES 24V, 60HZ POWER

5. 1" DIAMETER CONDENSATE LINE TO BE USED FOR HUMIDIFIER

AUG 10 2019

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THE CONTRACTOR MUST BECOME FULLY INFORMED WITH THE RESTRICTIONS OF THE BUILDING MANAGEMENT REQUIREMENTS INCLUDING TIME OF CONSTRUCTION LIMITATIONS, LOADING AND UNLOADING SCHEDULES AND ALL OTHER BUILDING MANAGEMENT RESTRICTIONS PRIOR TO COMMENCING WITH ANY WORK. IF THE CONTRACTOR DOES NOT COMPLY WITH THE BUILDING MANAGEMENT REQUIREMENTS, THE WORK WILL IMMEDIATELY BE HALTED AND CORRECTIVE ACTIONS WILL BE TAKEN AT THE CONTRACTORS EXPENSE, TO REMEDIATE THE PROBLEM.



DEPT BLDGS Job No. 122962561
Scan Code ES913223429

REVISED FOR DOB

5-7-2018

PPA REVIEW
ISSUE: DATE:

21 WEST 10TH ST
NEW YORK, NY

MECHANICAL SCHEDULE

Scale: AS NOTED
Drawing No. M-400.01
Date: RKE

WATER TO WATER HEAT EXCHANGER SCHEDULE													
SYMBOL	MANUFACTURER/ MODEL NUMBER	TYPE	LOCATION	PRIMARY (HEATING)				SECONDARY (HEATED)				CAPACITY (MBH)	REMARKS
				WATER				WATER/GLYCOL SOLUTION					
				GPM	EWI (DEG F)	LWT (DEG F)	WPD (FT)	GPM	EWI (DEG F)	LWT (DEG F)	WPD (FT)		
HEX-1	TRIANGLE TUBE TTP4-50	PF	MECH ROOM	16.3	160	130	2.6	12.9	100	130	3.5	240	1
HEX-2	TRIANGLE TUBE TTP4-24	PF	MECH ROOM	6.8	160	130	2.1	6.7	100	130	1.8	100	1.2
TYPE													
PF = PLATE AND FRAME													
REMARKS													
1. CAPACITY BASED ON 40% GLYCOL SOLUTION													
2. SERVES HOT WATER COIL													