		PACKA	GED R	OOFT	OP HE	ATIN	G & VI	ENTIL/	ATING	UNIT	SCHE	DULE																
			TOTAL	TOTAL		τοτμ			G	AS-FIRED FL	JRNACE				SU	JPPLY FAN	1			UNIT ELE	CTRICAL							
UNIT TAG	LOCATION	SERVICE	SUPPLY AIRFLOW	AIRFLOW	TOTAL SP (IN W.C.)	ESP (IN W.C.)	TOTAL	TOTAL	EAT/LAT	GAS FLOW	NUMBER	GAS PRESSURE	EFFICIENCY			MOTOR							PREFILTER MERV# /EFFICIENC\	(I xWxH)	WEIGHT (LBS)	MANUFACTURER	MODEL #	COMMENTS
			(CFM)	(CFM)		W.C.)	(MBH)	OUTPUT (MBH)	DB (F)	(CFH)	OF STAGES	MIN/MAX (IN W.G.)	(%)	QTY	DRIVE TYPE	RPM	HP	VFD	V/PH/HZ	FLA	MCA	MOCP	/EFFICIENC	r				
HV-R-1 THRU 12	AS/RS WAREHOUSE ROOF AS/R	S WAREHOUSE HEATING	5,000	670	0.97	0.50	300.0	240.0	50/75	300.0	10.0	5/10.5	80	1	DIRECT	1117	3	YES	460/3/60	-	7.49	11.5	8/85	8'-2"x4'-4"x3'-3"	1,540	TRANE	GRAA30PFJF0N2CY305N	SEE BELOW

PACKAGED ROOFTOP HEATING & VENTILATING UNIT SCHEDULE NOTES TYP (U.O.N.):

UNIT TO BE FURNISHED WITH SINGLE POINT POWER CONNECTION PRE-WIRED WITH CIRCUIT BREAKER DISCONNECT, VARIABLE FREQUENCY DRIVE, CONVENIENCE RECEPTACLE & SERVICE LIGHTS. UNIT TO BE FURNISHED WITH ELECTRONIC MODULATING DUCT STAT, SPACE THERMOSTAT AND FACTORY MOUNTED & WIRED DDC CONTROLLER WITH BACNET IP & MS/TP COMMUNICATION PROTOCOL

3. UNIT CASING TO BE ZINC COATED, HEAVY GAUGE GALVANIZED STEEL SUITABLE FOR OUTDOOR OPERATION.

4. UNIT TO BE FURNISHED WITH MODULATING GAS HEAT FURNANCE WITH STAINLESS STEEL HEAT EXCHANGER TUBES AND HEADERS WITH A TURNDOWN OF 10:1.

UNIT TO BE FURNISHED WITH AIRSIDE ECONOMIZING SECTION WITH ULTRA-LOW LEAKAGE DAMPERS AND 0-100 PERCENT MODULATING ECONOMIZING CONTROL VIA COMPARATIVE ENTHALPHY. 6. UNIT TO BE FURNISHED & INSTALLED WITH 24"H INSULATED ROOF CURB.

REFER TO MECHANICAL SPECIFICATIONS FOR MORE INFORMATION.

			PA	CKAG	ED RO	OFTC	PAC 1	UNIT W	TH GA	S FIRE	ED FUF	RNACE	E SCHE	DULE				
				TOTAL	TOTAL		TOTAL		DX COOLIN	G COIL				G	AS-FIRED FUI	RNACE		
UNIT TAG	LOCATION	SERVICE	TONS	SUPPLY AIRFLOW (CFM)	OUTSIDE AIRFLOW (CFM)	TOTAL SP (IN W.C.)	TOTAL ESP (IN W.C.)	TOTAL CAPACITY (MBH)	TOTAL SENSIBLE (MBH)	EAT/LAT DB (F)	EAT/LAT WB (F)	TOTAL INPUT (MBH)	TOTAL OUTPUT (MBH)	EAT/LAT DB (F)	GAS FLOW (CFH)	NUMBER OF STAGES	GAS PRESSURE MIN/MAX (IN W.G.)	EFFICIENCY (%)
RTAC-R-1	ADMIN OFFICE ROOF	ADMIN OFFICE	45	15,000	1,230	2.93	1.50	544.5	412.23	76.7/54.6	64.0/52.6	350.0	280.0	60/77.7	350.0	5.0	7/14	80
RTAC-R-2	AS/RS ROOF	AS/RS MEZZANINES	22	7,000	800	2.12	1.50	267.9	196.46	77.3/54.0	64.5/52.2	235.0	188.0	60/84	235.0	2.0	7/14	80

PACKAGED ROOFTOP AC UNIT WITH GAS FIRED FURNACE SCHEDULE (CONT'D)

			SUPPLY	FAN						CON	IDENSING SECTI	ON						UNIT ELE	CTRICAL								
			МОТО	R					COMPR	ESSORS			, F.	AN MOTOR		_					PREFILTER MERV#	EER (@, AHRI)	IEER (@ AHRI)	DIMENSIONS (LxWxH)	WEIGHT (LBS)	MANUFACTURER	MODEL #
C	ΩTY	DRIVE TYPE	RPM	BHP	HP	VFD	QTY	TYPE	TONS/EACH	FLA/EACH	LRA/EACH	QTY	DRIVE TYPE	RPM	HP	VFD	V/PH/HZ	FLA	MCA	моср	/EFFICIENCY						
	1	BELT	686	13.61	15	YES	3	SCROLL	10/15/15	18.6/27.5/27.5	142/197/197	4	DIRECT	1567	1.1	NO	460/3/60	-	112.5	125.0	14/90	10.4	14.5	19'-5"x7'-6"x6'-5"	5,932	TRANE	YCD600B4
	1	BELT	1465	5	5	YES	2	SCROLL	-	19.1/19.1	142/197/198	2	DIRECT	1465	1.0	NO	460/3/60	-	55.97	70.0	14/90	11.0	14.0	24'-5"x7'-10"x3'-9"	5,716	TRANE	SFHLF20

PACKAGED ROOFTOP AC UNIT WITH GAS FIRED FURNACE SCHEDULE NOTES TYP (U.O.N.):

UNIT TO BE FURNISHED WITH SINGLE POINT POWER CONNECTION PRE-WIRED WITH CIRCUIT BREAKER DISCONNECT, VARIABLE FREQUENCY DRIVE, DDC CONTROLLER WITH BACNET IP & MS/TP COMMUNICATION PROTOCOL, CONVENIENCE RECEPTACLE & SERVICE LIGHTS.

UNIT TO BE FURNISHED WITH 5" COLOR TOUCHSCREEN.

UNIT CASING TO BE ZINC COATED, HEAVY GAUGE GALVANIZED STEEL WITH WEATHER RESISTANT PAINTED EXTERIOR.

4. UNIT TO BE FURNISHED WITH HIGH EFFICIENCY MULTI-STAGE MECHANICAL COOLING.

5. UNIT TO BE FURNISHED WITH R-410A REFRIGERANT.

6. UNIT TO BE FURNISHED WITH MODULATING GAS HEAT FURNANCE WITH STAINLESS STEEL DRUM & TUBE HEAT EXCHANGERS.

UNIT TO BE FURNISHED WITH AIRSIDE ECONOMIZING SECTION WITH ULTRA-LOW LEAKAGE DAMPERS AND 0-100 PERCENT MODULATING ECONOMIZING CONTROL VIA COMPARATIVE ENTHALPHY. 8. UNIT TO BE FURNISHED & INSTALLED WITH INSULATED 24"H ROOF CURB.

REFER TO MECHANICAL SPECIFICATIONS FOR MORE INFORMATION.

							VAV BO	X SCH	IEDUI	ΓE					
		AIRELOW R	RANGE (CFM)	LOWEST	MINIMUM	DISCHARGE	RADIATED		-	HOT WATER CO	OIL	-			
DESIGNATION	BOX SIZE	/	<i>""</i> "" (<i>e " " " " " " " " " "</i>	AIRFLOW	STATIC	SOUND LEVEL	SOUND LEVEL	FLOW	FLUID	HEATING	ROWS	PRESSURE	MANUFACTURER	MODEL #	COMMENTS
	(INLET)	MIN	MAX	SETTING (CFM)	PRESSURE (IN W.C.)	AT MAX CFM & 2" W.C. (NC)	AT MAX CFM & 2" W.C. (NC)	(GPM)		CAPACITY (MBH)		DROP (FT)			
VAV	6"	100	375	80	0.130	25	17	-	-	-	-	-	TRANE	VCCF-06	SEE BELOW
VAV	8"	376	675	145	0.021	24	21	-	-	-	-	-	TRANE	VCCF-08	SEE BELOW
VAV	10"	676	1050	230	0.002	24	21	-	-	-	-	-	TRANE	VCCF-10	SEE BELOW
VAV	12"	1051	1500	325	0.002	24	21	-	-	-	-	-	TRANE	VCCF-12	SEE BELOW
VAV-HW	10"	676	1050	230	0.002	24	21	1.0	30% PG	21.0	1	3.13	TRANE	VCWF-10	SEE BELOW
VAV-HW	12"	1051	1500	325	0.002	24	21	1.0	30% PG	27.0	1	0.65	TRANE	VCWF-12	SEE BELOW

VARIABLE AIR VOLUME BOX SCHEDULE NOTES TYP (U.O.N.):

FURNISH & INSTALL DDC CONTROLLER WITH BACNET MS/TP & IP COMMUNICATION PROTOCOL FOR EACH VAV BOX.

FURNISH & INSTALL SPACE SENSOR FOR EACH VAV BOX.

3. FURNISH & INSTALL ALL PIPING & TRIM AS SHOWN ON PLAN & FLOW DIAGRAMS FOR VAV BOXES WITH HOT WATER COILS (VAVHW).

4. CONTRACTOR SHALL COORDINATE CONTROL & POWER WIRING WITH CONTROL & ELECTRICAL CONTRACTOR.

5. REFER TO SPECIFICATIONS FOR MORE INFORMATION.

AUTOMATICALLY OPERATED SMOKE & HEAT VENT SCHED Designation Description SHRINK-OUT MATERIAL UL 793 OR FM 4430 DIMENSIONS MOUNTING MANUFACTUR							
		AUTOMATI	CALLY OPERA	TED SMOK	E & HE/	AT VENT	SCHEDU
COMPLIANCE (WXLXH) TYPE	DESIGNATION	DESCRIPTION	SHRINK-OUT MATERIAL	UL 793 OR FM 4430 COMPLIANCE	DIMENSIONS (WxLxH)	MOUNTING TYPE	MANUFACTURER
SHW-R-1:16 SHRINK-OUT SMOKE & HEAT VENT ACYRLIC DOUBLE DOME UL 793 60"x96"x6" CURB-MOUNT WASCO-VEL	SHW-R-1:16	SHRINK-OUT SMOKE & HEAT VENT	ACYRLIC DOUBLE DOME	UL 793	60"x96"x6"	CURB-MOUNT	WASCO-VELUX
AUTOMATICALLY OPERATED SMOKE & HEAT VENT SCHEDULE NOTES TYP (U.O.N.):			NOTES TYP (U.O.N.):				

1. FURNISH & INSTALL 1-1/2" INTEGRAL ROOF CURB.

2. FURNISH CLEAR OUTER ACRYLIC GLAZING.

3. CONTRACTOR SHALL COORDINATE ALL VENT INSTALLATIONS WITH STRUCTURAL CONTRACTOR; ALL FINAL LOCATIONS TO BE SUBMITTED TO ARCHITECT & ENGINEER FOR APPROVAL.

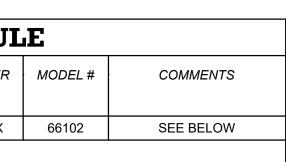
4. REFER TO SPECIFICATIONS FOR MORE INFORMATION.

			ELECTR	IC RAI	DIANT F	LOOI	R HEAT	TING SCH	IEDULE				
UNIT TAG	LOCATION	SERVICE	TYPE	W/SQFT	COVERAGE (SQFT)	LENGTH (FT)	SPACING (IN)	ELECTRICAL (V/PH/HZ)	WATTS	AMPS	MANUFACTURER	MODEL #	COMMENTS
ERFH-3-1	CONCRETE SLAB	RECEPTION LOBBY 314	CABLE	18	97	290	4	120/1/60	1740	14.5	THERMOSOFT	TS290-120	SEE BELOW
ERFH-3-2	CONCRETE SLAB	RECEPTION LOBBY 314	CABLE	18	97	290	4	120/1/60	1740	14.5	THERMOSOFT	TS290-120	SEE BELOW
ERFH-3-3	CONCRETE SLAB	RECEPTION LOBBY 314	CABLE	18	97	290	4	120/1/60	1740	14.5	THERMOSOFT	TS290-120	SEE BELOW
ERFH-3-4	CONCRETE SLAB	RECEPTION LOBBY 314	CABLE	18	97	290	4	120/1/60	1740	14.5	THERMOSOFT	TS290-120	SEE BELOW
ERFH-3-5	CONCRETE SLAB	RECEPTION LOBBY 314	CABLE	18	97	290	4	120/1/60	1740	14.5	THERMOSOFT	TS290-120	SEE BELOW
ELECTRIC RA	ADIANT FLOOR HEATING SCH	EDULE NOTES (TYPICAL U.O	N.):		•				•	•	·		

1. FURNISH & INSTALL STANDARD PROGRAMMABLE THERMOSTAT; THERMOSOFT TH115-AF-GA/U OR EQUIVALENT.

2. FURNISH & INSTALL REQUIRED RELAYS TO CONTROL ALL HEATING CABLES IN NEMA 1 ENCLOSURE; COORDINATE WITH ELECTRICAL CONTRACTOR.

3. REFER TO SPECIFICATIONS FOR MORE INFORMATION.



ARCHITECT

di Domenico + Partners LLP Architecture

Landscape Architecture

Tel 212-337-0400 Fax 212-337-3567

3743 Crescent Street, 3rd Floor Long Island City, New York 11101

Planning

d



IMC

JMC Planning Engineering Landscape Architecture & Land Surveying, PLLC 120 Bedford Road Armonk, New York 10504 Tel 914-273-5225 Fax 914-273-2102

MEP ENGINEER



CIVIL PLANNING ENGINEER

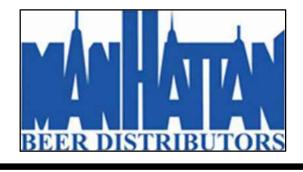
STRUCTURAL ENGINEER



1385 Broadway, 20th FL New York, New York 10018 Tel 212-687-8282

New York, New York 10001

Tel 212-962-3503



MANHATTAN BEER DISTRIBUTORS 20 DUNNIGAN DRIVE SUFFERN, NEW YORK

KEY PLAN

REV	DESCRIPTION	DATE
	ISSUED FOR DOB SUBMISSION	09/10/2021
	ISSUED FOR BID	10/15/2021
	ISSUED FOR PROGRESS	01/18/2022
DRAWN BY :		
CHECKED BY :		
APPROVED BY	:	
DATE :		
SCALE :		
DRAWING TITL	E:	
	MECHANICAL	
SC	HEDULES SHEET	- #3
00		

DWG NUMBER :

COMMENTS	
SEE BELOW	
SEE BELOW	

M-603