

PACKAGED ROOFTOP HEATING & VENTILATING UNIT SCHEDULE																												
UNIT TAG	LOCATION	SERVICE	TOTAL SUPPLY AIRFLOW (CFM)	TOTAL OUTSIDE AIRFLOW (CFM)	TOTAL SP (IN W.C.)	TOTAL ESP (IN W.C.)	GAS-FIRED FURNACE						SUPPLY FAN					UNIT ELECTRICAL				PREFILTER MERV# /EFFICIENCY	DIMENSIONS (LxWxH)	WEIGHT (LBS)	MANUFACTURER	MODEL #	COMMENTS	
							TOTAL INPUT (MBH)	TOTAL OUTPUT (MBH)	EAT/LAT DB (F)	GAS FLOW (CFH)	NUMBER OF STAGES	GAS PRESSURE MIN/MAX (IN W.G.)	EFFICIENCY (%)	MOTOR					VPH/Hz	FLA	MCA							MOCP
														QTY	DRIVE TYPE	RPM	HP	VFD										
HV-R-1 THRU 12	AS/RS WAREHOUSE ROOF	AS/RS 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 AC UNIT WITH GAS FIRED FURNACE SCHEDULE																		
UNIT TAG	LOCATION	SERVICE	TONS	TOTAL SUPPLY AIRFLOW (CFM)	TOTAL OUTSIDE AIRFLOW (CFM)	TOTAL SP (IN W.C.)	TOTAL ESP (IN W.C.)	DX COOLING COIL				GAS-FIRED FURNACE						
								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					CONDENSING SECTION										UNIT ELECTRICAL												
MOTOR					COMPRESSORS					FAN MOTOR					VPH/Hz	FLA	MCA	MOCP	PREFILTER MERV# /EFFICIENCY	EER (@ AHRI)	IEER (@ AHRI)	DIMENSIONS (LxWxH)	WEIGHT (LBS)	MANUFACTURER	MODEL #	COMMENTS	
QTY	DRIVE TYPE	RPM	BHP	HP	VFD	QTY	TYPE	TONS/EACH	FLA/EACH	LRA/EACH	QTY	DRIVE TYPE	RPM	HP													VFD
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	SEE BELOW
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	SEE BELOW

VAV BOX SCHEDULE															
DESIGNATION	BOX SIZE (INLET)	AIRFLOW RANGE (CFM)		LOWEST AIRFLOW SETTING (CFM)	MINIMUM STATIC PRESSURE (IN W.C.)	DISCHARGE SOUND LEVEL AT MAX CFM & 2" W.C. (NC)	RADIATED SOUND LEVEL AT MAX CFM & 2" W.C. (NC)	HOT WATER COIL					MANUFACTURER	MODEL #	COMMENTS
		MIN	MAX					FLOW (GPM)	FLUID	HEATING CAPACITY (MBH)	ROWS	PRESSURE 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

AUTOMATICALLY OPERATED SMOKE & HEAT VENT SCHEDULE								
DESIGNATION	DESCRIPTION	SHRINK-OUT MATERIAL	UL 793 OR FM 4430 COMPLIANCE	DIMENSIONS (WxLxH)	MOUNTING TYPE	MANUFACTURER	MODEL #	COMMENTS
SHW-R-1:16	SHRINK-OUT SMOKE & HEAT VENT	ACYRLIC DOUBLE DOME	UL 793	60"x96"x6"	CURB-MOUNT	WASCO-VELUX	66102	SEE BELOW

ELECTRIC RADIANT FLOOR HEATING SCHEDULE													
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

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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 TITLE :
MECHANICAL SCHEDULES SHEET #3
 DWG NUMBER :
M-603

TO THE BEST KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.