

BLOWER COIL UNIT (BCU) SCHEDULE														EQUIPMENT FURNISHED BY OWNER, INSTALLED BY MECHANICAL CONTRACTOR			
DWG LABEL	UNIT LOCATION	SERVES	DESIGN BASIS: TRANE MODEL	SUPPLY FAN								ELECTRICAL DATA				WEIGHT (LBS)	NOTES
				FAN ARR.	MAX SA (CFM)	MIN. SA (CFM)	DISCH. ARR.	ESP (IN WG)	RPM	BHP	HP	V/PH	MCA	MOP			
BCU-1	MECH 342	LOCKER RMS 841, 151, 153	BGHE090	DIRECT CENTRIFUGAL	3500	1100	END	1.00	1091	1.9	3.0	208/3	14 A	25 A	300	1-4	
NOTES: 1. DESIGN BASIS: TRANE 2. GASKETED ACCESS DOORS AND MODULAR SECTIONS WITH DOUBLE WALLED 1" 1.5 PCF INSULATED PANELS. 3. PROVIDE 2" MERV8 FILTER 4. PROVIDE EC MOTOR WITH DISCONNECT SWITCH.																	

DWG LABEL	SERVES	MODEL NO.	TYPE	CFM	VENT SIZE (IN X IN)	HOOD SIZE (IN X IN)	HOOD HEIGHT (IN)	FREE AREA (S.F.)	VELOCITY (FPM)	SP (IN WG)	HOOD FINISH	NOTES
RTH-A-1	MAIN GYM 153	28X28GR	RELIEF	5430	28x28	52x51	18.75	5.44	1000	0.10	KYNAR	1-3
RTH-A-2	MAIN GYM 150	28X28GR	RELIEF	5430	28x28	52x51	18.75	5.44	1000	0.10	KYNAR	1-3
RTH-A-3	MAIN GYM 150	28X28GR	RELIEF	5430	28x28	52x51	18.75	5.44	1000	0.10	KYNAR	1-3
RTH-A-4	MAIN GYM 150	28X28GR	RELIEF	5430	28x28	52x51	18.75	5.44	1000	0.10	KYNAR	1-3

NOTES:

1. DESIGN BASIS: LOREN COOK

2. REUSE EXISTING (30x30, VIF) CURB. PROVIDE CURB ADAPTER.

3. PROVIDE MOTORIZED AUTOMATIC AIR DAMPER (AAD) AND ACTUATOR WITHIN CURB ADAPTER.

REMOTE CONDENSING UNIT (RCU) SCHEDULE										
DWG LABEL	LOCATION	DESIGN MAKE: MITSUBUBISHI MODEL:	NOMINAL CAPACITY			ELECTRICAL DATA				
			COOLING (BTU/h)	EER	HEATING (BTU/h)	COP @ 47F	V/PH	MOP	MCA	NOTES
RCU-129A	ROOF - AREA D	TRUZH0301H1A10NA	3000	9.4	3200	3.72	208 V/1ϕ	40 A	24 A	1-3.5
RCU-129B	ROOF - AREA D	TRUZH0301H1A10NA	3000	9.4	3200	3.72	208 V/1ϕ	40 A	24 A	1-3.5
RCU-129C	ROOF - AREA D	TRUZH0301H1A10NA	3000	9.4	3200	3.72	208 V/1ϕ	40 A	24 A	1-3.5
RCU-129D	ROOF - AREA D	TRUZH0301H1A10NA	3000	9.4	3200	3.72	208 V/1ϕ	40 A	24 A	1-3.5
RCU-131	ROOF - AREA D	TRUZH0301H1A10NA	3000	9.4	3200	3.72	208 V/1ϕ	40 A	24 A	1-3.5
RCU-132	ROOF - AREA D	TRUZH0301H1A10NA	2400	12.5	2600	3.71	208 V/1ϕ	28 A	11 A	1-2.4
RCU-134	ROOF - AREA D	TRUZH0241H1A10NA	2400	12.5	2600	3.71	208 V/1ϕ	28 A	11 A	1-2.4

NOTES:

- NOMINAL HEATING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 70°F/7 (DBWB), OUTDOOR OF 56.5°F/7 (DBWB).
- NOMINAL HEATING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 70°F/7 (DBWB), OUTDOOR OF 17.1°F/7 (DBWB).
- REUSE EXISTING ROOF CURBS. PROVIDE INTERMEDIATE SUPPORTS AS REQUIRED.
- PROVIDE STRUT SUPPORT SYSTEM (DESIGN BASE, QUICK SLING).
- PROVIDE NEMA 3P DISCONNECT.

REHEAT COIL (RHC) SCHEDULE

HIGH SCHOOL BUILDING/EQUIPMENT VENTILATION CALCULATIONS													
EQUIPMENT NUMBER	ZONE ID				MINIMUM VENTILATION RATES								
	ROOM NUMBER	ROOM NAME	OCCUPANCY CLASSIFICATION	Az - AREA (SF)	Pz - ZONE OCCU. #/1000 FT	ZONE OCCU.	Rp (CFM/ Person)	RpP	Ra (CFM/SF)	RaA	Vbz (CFM)	Ez	Voz (CFM)
RTU-A-2.4	150	MAIN GYM PLAYING AREA	Gym, sports arena (play area)	6900	7	49	20	980	0.18	1242	2222	0.8	2780
	150	MAIN GYM BLEACHERS	Spectator areas	2852	150	443	7.5	3323	0.06	177	3500	0.8	4375
RTU-A-3	150	AUX GYM PLAYING AREA	Gym, sports arena (play area)	2677	7	19	20	380	0.18	482	862	0.8	1075
ERV-A-1	131	ATHLETICS	OFFICE SPACE	206	5	2	5	10	0.06	12	22	0.8	30
	134	WORK ROOM	OFFICE SPACE	215	5	2	5	10	0.06	13	23	0.8	30
	147	LIBRARY	Media center	3110	25	78	10	780	0.12	373	1153	0.8	1440
NOTES:													
Rp = PEOPLE OUTDOOR AIR RATE, Ra = AREA OUTDOOR AIR RATE, Vbz = BREATHING ZONE OUTDOOR AIRFLOW ,													
Ez = AIR DISTRIBUTION CONFIGURATION, Voz = ZONE OUTDOOR AIRFLOW													

HIGH SCHOOL BUILDING/EQUIPMENT VENTILATION CALCULATIONS													
EQUIPMENT NUMBER	ZONE ID				MINIMUM VENTILATION RATES								
	ROOM NUMBER	ROOM NAME	OCCUPANCY CLASSIFICATION	Az - AREA (SF)	Pz - ZONE OCCU. #/1000 FT	ZONE OCCU.	Rp (CFM/ Person)	RpP	Ra (CFM/SF)	RaA	Vbz (CFM)	EZ	Voz (CFM)
PRE-A-1	B40	OFFICE	OFFICE SPACE	115	5	1	5	5	0.06	7	12	0.8	15
	B40A	TOILET	TOILET/SHOWER	50	1	1	50	50	0	0	50	1	50
	B41	TEAM ROOM	LOCKER	1581	0	0	0	0	0.5	791	791	1	790
	B41A	TOILET	TOILET/SHOWER	169	3	3	50	150	0	0	150	1	150
	B41B	STORAGE	Occupiable storage rooms for liquids or gels	123	2	1	5	5	0.12	15	20	1	20
	151	BOYS LOCKER	LOCKER	1422	0	0	0	0	0.5	711	711	1	710
	151A	STORAGE	Occupiable storage rooms for liquids or gels	177	2	1	5	5	0.12	21	28	1	25
	151B	BOY'S PE OFFICE	OFFICE SPACE	154	5	1	5	5	0.06	9	14	0.8	20
	151B	TOILET	TOILET/SHOWER	50	1	1	50	50	0	0	50	1	50
	151C	TOILET	TOILET/SHOWER	251	3	3	50	150	0	0	150	1	150
	151E	JAN	JANITOR'S CLOSET	30	1	1	50	50	0	0	50	1	50
	151G	STORAGE	Occupiable storage rooms for liquids or gels	236	2	1	5	5	0.12	28	33	1	35
PRE-A-2	153E	JAN	JANITOR'S CLOSET	30	1	1	50	50	0	0	50	1	50
	153	GIRLS LOCKER	LOCKER	1468	0	0	0	0	0.5	733	733	1	735
	153A	TOILET	TOILET/SHOWER	251	3	3	50	150	0	0	150	1	150
	153D	STORAGE	Occupiable storage rooms for liquids or gels	50	2	1	5	5	0.12	6	11	1	10
	155	GIRL'S PE OFFICE	OFFICE SPACE	215	5	2	5	10	0.06	13	23	0.8	30
	155A	TOILET	TOILET/SHOWER	34	1	1	50	50	0	0	50	1	50
	120	GIRLS TOILET	TOILET/SHOWER	121	3	3	50	150	0	0	150	1	150
	120A	JAN	JANITOR'S CLOSET	45	1	1	50	50	0	0	50	1	50
	121	BOYS TOILET	TOILET/SHOWER	121	3	3	50	150	0	0	150	1	150
	175	TOILET	TOILET/SHOWER	30	1	1	50	50	0	0	50	1	50
	190A	BOYS TOILET	TOILET/SHOWER	28	1	1	50	50	0	0	50	1	50
	NOTES: Rp = PEOPLE OUTDOOR AIR RATE, Ra = AREA OUTDOOR AIR RATE, Vbz = BREATHING ZONE OUTDOOR AIRFLOW, EZ = AIR DISTRIBUTION CONFIGURATION, Voz = ZONE OUTDOOR AIRFLOW												

SYSTEM VALUES RTU-A-1			
Vpe	7600	(UNCORRECTED OA) Voa	3856
(CORRECTED OA) Vot	4860	D	1.00
OA%	64	Ev	0.80
ADDITIONAL OA%	25		

SYSTEM VALUES RTU-A-5				
Vps	2300	(UNCORRECTED OA) Voa	195	
(CORRECTED OA) Vot	250	D	1.00	
OA%	11	Ev	0.78	
ADDITIONAL OA%	26			

S.E.D. Control No. 62-18-01-06-0-007-019

Rev. No.:	Date:	Description:
-----------	-------	--------------



complex world | CLEAR SOLUTIONS

Tetra Tech Engineers, Architects
& Landscape Architects, P.C.



Wallkill Central School District
Wallkill, New York

Reconstruction to:
Wallkill Senior High School

Schedules

Drawn By:	Date:
-----------	-------

Project No.:

AM600