

 M I S H R A ARCHITECTURE PLLC P.O. BOX 3666 BRANDON MS 39047 PHONE: (601) 914-4853 FAX: (601) 336-2253 Email: ashish@mishraarch.com Web: www.mishraarch.com	Copyright: MISHRA ARCHITECTURE PLLC	CIVIL ENGINEER: BENCHARK ENGG. 204 Mary Ann Drive Brandon MS 39042 PHONE: (601) 951-1077 FAX: (601) 951-1077 Email: mbenark@earthlink.net	STRUCTURAL ENGINEER: S. K. INTERNATIONAL, INC. 130 MAIN STREET HUNTSVILLE, AL 35811 PHONE: (256) 852-3088 FAX: (256) 852-3088 Email: skint@earthlink.net	ELECTRICAL: WILLIAM COUNCIL 1980 TRANSPORT MEMPHIS, TN 38116 PHONE: (901) 826-8059 FAX: (901) 826-8059 Email: rob@rhpowell.com
OTHER CONSULTANTS: NAME: _____ ADDRESS: _____ CITY: _____ STATE: _____ PHONE: _____ FAX: _____ EMAIL: _____		MECHANICAL & PLUMBING: HERRSCHTEL & POWELL INC. 55 CEDAR HILL COVE SOMERVELL TN 38588 PHONE: (662) 860-4220 FAX: (662) 860-4224 Email: rob@rhpowell.com	OTHER CONSULTANTS: NAME: _____ ADDRESS: _____ CITY: _____ STATE: _____ PHONE: _____ FAX: _____ EMAIL: _____	OTHER CONSULTANTS: NAME: _____ ADDRESS: _____ CITY: _____ STATE: _____ PHONE: _____ FAX: _____ EMAIL: _____

[illegible]

BAPS INC. YOGI YOUTH CENTER Greenway Drive Jackson, MS 39206	MECHANICAL DETAILS
Project number	
Date	10-07-2028
Drawn by	
Checked by	
	M103
Scale	

SPLIT SYSTEM AIR-CONDITIONING EQUIPMENT										FAN SCHEDULE	
MARK AREA	F-1	F-2	F-3	F-4	F-5	F-6	F-7	F-8	MARK	DESCRIPTION	
COIL LOAD: TOTAL	BASKETBALL COURT	ASSEMBLY	FOYER	RESTROOMS/OR ENTRY	CLASSROOMS 107,108,109	CLASSROOMS 118,119,120	CLASSROOMS 116,117	KITCHEN	EF-1	GREENHECK MODEL G-085-G ROOF MOUNTED EXHAUST FAN, 375 CFM @ .2" ESP., 1/30 HP @ 120 V. COMPLETE W/ BIRDSCREEN, BACKDRAFT DAMPER, DISCONNECT, ROOF CURB AND VARIABLE SPEED CONTROLLER.	
	244,000	244,000	29,000	66,000	66,000	66,000	46,800	83,600			
SENSIBLE	179,000	179,000	20,600	46,200	46,200	46,200	34,700	59,000			
NOMINAL TONS	20	20	2.5	6.0	6.0	6.0	4.0	7.0			
AIR, CFM: TOTAL	8000	8000	1000	1800	1800	1800	1600	2800	EF-2	GREENHECK MODEL G-085-G ROOF MOUNTED EXHAUST FAN, 375 CFM @ .2" ESP., 1/30 HP @ 120 V. COMPLETE W/ BIRDSCREEN, BACKDRAFT DAMPER, DISCONNECT, ROOF CURB AND VARIABLE SPEED CONTROLLER.	
	OUTDOOR	2650	140	600	300	300	.6"	1000			
S.P.	.8"	.8"	.6"	.7"	.6"	.7"	.6"	.6"			
GAS HEATING INPUT, CFH	300	300	80	100	100	100	100	200	EF-3		
MAKE/MODEL:	(2) TRANE TTA120B3	(2) TRANE TTA120B3	TRANE 4TTA3030A3	TRANE 2TTA0072A3	TRANE 2TTA0072A3	TRANE 2TTA0072A3	TRANE 4TTA3048A3	(2) TRANE 4TTA3042A3			
	(2) REZNOR CAUA 300	(2) REZNOR CAUA 300	TRANE TUXB080A924A	TRANE TUXID100A9601A	TRANE TUXID100A9601A	TRANE TUXID100A9601A	TRANE TUXIC100A9481A	(2) TRANE TUXIC100A9481A			
CONDENSER FURNACE RETURN AIR	BOTTOM	BOTTOM	BOTTOM	BOTTOM	BOTTOM	BOTTOM	BOTTOM	BOTTOM			

	COIL	(Z) IRANE FACBUTU	4TACBUSTFACS	IRANE TACOBUCS	IRANE TACOBUCS	IRANE TACOBUCS	(Z) IRANE TACOBUCS
	CONDENSER: V/PH/HZ COMPRESSOR RLA CONDENSER FAN FLA UNIT MCA UNIT MOP	208 /3 /60 (2) @ 8.6 EACH UNIT 6.0 EACH UNIT 47.9 EACH UNIT 60 EACH UNIT	208 /3 /60 7.4 0.7 10 15	208 /3 /60 19.8 1.4 26 45	208 /3 /60 19.8 1.4 26 45	208 /3 /60 14.6 1.3 20 30	208 /3 /60 13.5 EACH 1.3 EACH 18 EACH 30 EACH
	FURNACE: V/PH/HZ EVAPORATOR FAN HP UNIT MCA UNIT MOP	208 /3 /60 3 HP EACH UNIT 17.5 EACH UNIT 30.5 EACH UNIT	120 /1 /60 1/3 9.5 15	120 /1 /60 3/4 12.9 20	120 /1 /60 3/4 12.9 20	120 /1 /60 1/2 13.6 20	120 /1 /60 1/2 EACH 13.6 EACH 20 EACH
	ACCESSORIES	1.2,3,4,5,6,7,8,9,10,11,12	1.2,3,4,5,6,7,8,9,10,11,12	1.2,3,4,5,6,7,8,10	1.2,3,4,5,6,7,8,10	1.2,3,4,5,6,7,8,10	1.2,3,4,5,6,7,8,10
	ELECTRICAL						

ACCESSORIES:

1. THERMOSTAT
2. LOW AMBIENT CONTROL TO 0°
3. HI-LO PRESSURE CUT-OFF
4. FILTER/DRYERS
5. LIQUID LINE SOLENOID
6. HARDCSTART KIT
7. CONCENTRIC VENT TERMINATION KIT
8. SMOKE DETECTOR IN THE RA DUCT
9. TUNNING KIT
10. VIBRATION ISOLATION PADS
11. BOTTOM FILTER CABINET
12. TWO STAGE HEATING/COOLING CONTROLS

NOTE:

1. COORDINATE CLOSELY WITH THE ARCHITECTURAL & STRUCTURAL FEATURES OF THE BUILDING, LIGHTING PLANS ETC. PRIOR TO INSTALLING ANY DUCTWORK.

