ROOFTOP AIR HANDLING UNIT SCHEDULE

DESIGNATION	OLD DESIGNATION	SERVICE	TYPE	SUPPLY FAN DATA						COOLING COIL DATA						GAS HEATING DATA					MAXIMUM OPERATING WEIGHT (LBS)	ELECTRICAL V/ø/HZ	MCA	MOP	BASIS OF DESIGN	REMARKS
				CFM	MINIMUM OA CFM	TSP INCH WG	RPM	BHP	MOTOR HP	EAT °F DB	EAT °F WB	LAT °F DB	LAT °F WB	SENSIBLE LOAD MBH	TOTAL LOAD MBH	EAT °F	LAT °F	HEAT LOAD MBH	UNIT CAPACITY INPUT MBH	UNIT CAPACITY OUTPUT MBH						
RTU-C3	RTU-1	TEACH DIN	A	800	90	1.0	802	0.32	0.33	76.0	63.2	52.5	51.5	20.3	27.1	65.2	85.0	32.7	60.0	48.0	767	208/3/60	12.0	15.0	TRANE/YHC	(1)(2)
RTU-C2	RTU-2	CAFETERIA	A	1500	555	1.0	864	0.47	0.75	81.2	67.0	52.5	51.5	42.4	58.2	54.0	85.0	56.1	60.0	49.0	999	460/3/60	15.0	20.0	TRANE/YHC	(1)(2)
RTU-A1	RTU-3	ADMIN	A	1890	200	1.0	669	0.56	0.75	75.9	63.2	52.5	51.5	46.3	63.4	65.4	85.0	40.0	80.0	64.0	1168	460/3/60	15.0	20.0	TRANE/YHC	(1)(2)
RTU-A2	RTU-2N	RECEPTION	A	1035	350	1.0	804	0.40	0.5	80.0	67.8	52.5	51.5	30.7	51.4	55.4	85.0	33.1	60.0	49.0	976	460/3/60	14.0	20.0	TRANE/YHC	(1)(2)
RTU-A3	RTU-S	OFFICE	A	525	200	1.0	812	0.32	0.33	80.7	68.2	52.5	51.5	16.0	26.9	53.5	85.0	17.9	60.0	48.0	767	208/3/60	12.0	15.0	TRANE/YHC	(1)(2)
RTU-C1	RTU-C	CAFETERIA	A	10000	2500	1.0	715	5.06	7.5	78.2	65.1	52.5	51.5	277.6	398.6	59.1	85.0	279.7	350.0	280.0	5600	460/3/60	81.0	90.0	TRANE/SFHLF	(1)(2)
RTU-K	RTU-K	HALLS	A	4000	1000	1.0	552	1.58	2.0	78.4	65.1	52.5	51.5	111.9	159.5	59.2	85.0	111.5	200.0	200.0	2663	460/3/60	35.0	45.0	TRANE/YHD	(1)(2)

NOTES:
(1) HOT GAS REHEAT TO BE PRESENT ON ALL COOLING STAGES.
(2) MODULATING GAS VALVES TO BE PROVIDED FOR STAGING CAPACITY.

PUMP SCHEDULE

DESIG	SERVICE	CONFIGURATION	FLUID TEMP. (°F)	CAPACITY (GPM)	HEAD (FEET H_2O)	NPSHR (FEET H_2O)	SUCTION X DISCHARGE	ELECTRICAL DATA					RPM	PUMP EFFICIENCY	BASIS OF DESIGN	REMARKS
								VOLTS	PHASE	HERTZ	PUMP BHP	MOTOR HP				
TWP-1	TOWER WATER	BASE MOUNTED	85	300	21.5	28.1	4"X3"	480	3	60	1.95	3.0	1800	82.1	BELL AND GOSSETT/E-1510	

VVT DAMPER SCHEDULE

DESIGNATION	SERVICE	TYPE	CFM COOLING MAXIMUM	CFM COOLING MINIMUM	CFM HEATING	INLET SIZE	MINIMUM INLET SP INCH WG	MAXIMUM NC VALUE @1.0 INCH WG INLET SP	BASIS OF DESIGN	REMARKS
VVT-1	CONFERENCE	A	390	80	--	6"	0.5	35	TITUS/DESV	
VVT-2	OFFICE	A	390	80	--	6"	0.5	35	TITUS/DESV	
VVT-3	OFFICE	A	420	145	--	10"	0.5	35	TITUS/DESV	
VVT-4	WORKROOM	A	630	210	--	10"	0.5	35	TITUS/DESV	
VVT-5	TECH	A	120	40	--	6"	0.5	35	TITUS/DESV	
VVT-6	BOOK KEEPER	A	100	35	--	6"	0.5	35	TITUS/DESV	
VVT-7	OFFICE	A	150	50	--	6"	0.5	35	TITUS/DESV	
BD-1	WAITING	A	1120	0	--	10"	0.5	35	TITUS/DESV	

COOLING TOWER DUTY

DESIGNATION :	CT-1
SERVICE :	WSHP LOOP
NOMINAL TONS :	222
GPM :	694
AMBIENT TEMPERATURE :	73.8°F
EWT :	93°F
LWT :	83°F
CFM :	60,300
MOTOR HP :	20
NUMBER OF BASIN HEATERS :	1
HEATER SIZE :	8 kW
ELECTRICAL :	480/3/60
OPERATING WEIGHT :	8,970
BASIS OF DESIGN :	EVAPCO
REMARKS :	

BUILDING DESIGN DATA

1. OUTSIDE DESIGN CONDITIONS (PER ASHRAE FOR ATLANTA, GA) :
   - SUMMER (1.0%) : 91.6°F DB / 73.8°F WB
   - WINTER (99.0%) : 26.1F
   - DEHUMIDIFICATION (1.0%) : 80.3°F DB / 73.4°F DP
2. GENERAL BUILDING CRITERIA :
   - WALL U-FACTOR : EXISTING TO REMAIN
   - ROOF U-FACTOR : EXISTING TO REMAIN
   - GLASS U-FACTOR : EXISTING TO REMAIN
   - GLASS SHADING COEFFICIENT : EXISTING TO REMAIN
3. GENERAL BUILDING DESIGN LOAD REQUIREMENTS :
   - LIGHTING : 1.2 W/SF
   - EQUIPMENT : 1.5 W/SF
   - PEOPLE (OFFICE): 250 BTUH/PER (SENSIBLE) 200 BTUH/PER (LATENT)
4. COMFORT HEATING :
   - INTERIOR ROOMS 70°F ± 2°F
5. COMFORT COOLING :
   - INTERIOR ROOMS 75°F ± 2°F/55% RH ±5%
6. MINIMUM BUILDING POSITIVE PRESSURE : EXISTING
7. OCCUPANCY SCHEDULE :
   - OCCUPIED: M-F (6AM-8PM)
   - UNOCCUPIED: M-F (8PM-6AM), SAT, SUN
8. SET POINTS :
   - OCCUPIED SPACE COOLING TEMPERATURE : 75°F
   - UNOCCUPIED SPACE COOLING TEMPERATURE : 80°F
   - OCCUPIED SPACE HEATING TEMPERATURE : 70°F
   - UNOCCUPIED SPACE HEATING TEMPERATURE : 60°F
9. CODES:
   - INTERNATIONAL BUILDING CODE, 2012, WITH GEORGIA AMENDMENTS (2014)(2015)(2017)(2018)
   - INTERNATIONAL MECHANICAL CODE, 2012, WITH GEORGIA AMENDMENTS (2014)(2015)
   - INTERNATIONAL PLUMBING CODE, 2012, WITH GEORGIA AMENDMENTS (2014)(2015)
   - INTERNATIONAL ENERGY CONSERVATION CODE, 2009, WITH GEORGIA AMENDMENTS (2011)(2012)
   - INTERNATIONAL FIRE CODE, 2012, WITH GEORGIA AMENDMENTS (2014)
   - NATIONAL ELECTRIC CODE, 2017, WITH NO GEORGIA AMENDMENTS
   - NATIONAL FIRE PROTECTION ASSOCIATION STANDARDS (LATEST APPROVED EDITIONS)

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FULTON COUNTY SCHOOL SYSTEM

EVOLINE C. WEST ELEMENTARY SCHOOL - RENOVATIONS

7040 RIVERTOWN RD
FAIRBURN, GA 30213

PROJECT NO: 18048.00

01	50% CD	08/07/2019
02	50% CD - re-submittal	11/20/2019
03	90% CD	10/04/2019
04	PERMIT SET	11/15/2019
05	BID SET	12/20/2019

GEORGIA REGISTERED NO. PEROFESSIONAL ENGINEER DANIEL NOTO

SHEET TITLE
MECHANICAL SCHEDULES

SHEET NUMBER
M501