AIR DISTRIBUTION SCHEDULE

MARK	TYPE	SIZE IN INCHES NECK	SIZE IN INCHES FACE	FINISH	O.B.D.	BASIS OF DESIGN (TITUS)	NOTES
A	SUPPLY	6"Φ	24"x24"	2	NO	TDC-A4	1
B	SUPPLY	8"Φ	24"x24"	2	NO	TDC-A4	1
C	SUPPLY	10"Φ	24"x24"	2	NO	TDC-A4	1
D	SUPPLY	12"Φ	24"x24"	2	NO	TDC-A4	1
E	TRANSFER	8"x6"	24"x24"	2	NO	50F	1
F	RETURN/TRANSFER	18"x18"	24"x24"	2	NO	50F	1
G	RETURN/TRANSFER	6"x6"	24"x24"	2	NO	50F	1
H	RETURN/TRANSFER	8"x8"	24"x24"	2	NO	50F	1
J	RETURN	22"x22"	24"x24"	2	NO	50F	1
K	TRANSFER	10"x10"	24"x24"	2	NO	50F	1
L	SUPPLY	14"Φ	24"x24"	2	NO	TDC-A4	1
M	RETURN	20"x20"	24"x24"	2	NO	50F	1
N	RETURN/TRANSFER	16"x16"	24"x24"	2	NO	50F	1
P	TRANSFER	14"x14"	24"x24"	2	NO	50F	1
Q	RETURN	20"x20"	24"x24"	2	NO	50FF	1
R	RETURN	18"x18"	24"x24"	2	NO	50FF	1
S	RETURN	12"x12"	24"x24"	2	NO	50F	1
T	SUPPLY	30"Φ	67.5"Φ	2	NO	TMRA	1
V	RETURN	44"x44"	46"x46"	2	NO	355RL	1 4
W	SUPPLY	48"x5"	50"x7"	2	NO	CT-541	1 3
Y	RETURN	12"x12"	24"x24"	2	NO	50FF	1
Z	RETURN	16"x16"	24"x24"	2	NO	50FF	1
AA	SUPPLY	16"Φ	24"x24"	2	NO	TDC-A4	1
BB	RETURN	42"x18"	48"x24"	2	NO	50F	1
CC	TRANSFER	6"x6"	8"x8"	2	NO	50F	1
DD	SUPPLY	6"Φ	12"x12"	2	NO	TDC-A4	1
EE	SUPPLY	8"Φ	18"x18"	2	NO	TDC-A4	1
FF	TRANSFER	8"x8"	10"x10"	2	NO	50F	1

1. DIFFUSER MOUNTING STYLE SHALL BE CONFIRMED WITH ARCH. REFLECTED CEILING PLANS.
2. SEE ARCHITECTURAL.
3. TOP OF SIDEWALL DIFFUSER TO BE 15'-4" A.F.F. COORD. WITH ARCH. PLANS.
4. TOP OF SIDEWALL GRILLE TO BE 14'-0" A.F.F. COORD. WITH ARCH. PLANS.

ELECTRIC FAN SCHEDULE

MARK	CFM	S.P. WG	DRIVE	POWER	TYPE	BASIS OF DESIGN	LOCATION/SERVICE	NOTES
EF-1	80	0.125"	DIRECT	54 W	CENTRIFUGAL	GREENHECK SP-B80	JANITOR/RESTROOM	1 2
EF-2	150	0.125"	DIRECT	129 W	CENTRIFUGAL	GREENHECK SP-B150	RESTROOM	1
EF-3	225	0.2"	DIRECT	83 W	CENTRIFUGAL	GREENHECK SP-A250	RESTROOM	1 2
EF-4	300	0.2"	DIRECT	224 W	CENTRIFUGAL	GREENHECK SP-510	RESTROOM	1 2
EF-5	525	0.2"	DIRECT	350 W	CENTRIFUGAL	GREENHECK SP-A700	RESTROOM	1 2
EF-6	750	0.2"	DIRECT	285 W	CENTRIFUGAL	GREENHECK SP-A900	RESTROOM	1 2
EF-7	125	0.125"	DIRECT	53 W	CENTRIFUGAL	GREENHECK SP-A125	CLASSROOM MECHANICAL ROOM	3
EF-8	130	0.4"	DIRECT	80 W	CENTRIFUGAL	FANTECH DBF110	DRYER BOOSTER	4
EF-9	300	0.2"	DIRECT	135 W	CENTRIFUGAL	GREENHECK SP-340	KILN ROOM	3
EF-10	450	0.2"	DIRECT	224 W	CENTRIFUGAL	GREENHECK SP-510	RESTROOM	1 2
EF-11	9,125	1.0"	BELT	3.0 HP	CENTRIFUGAL	GREENHECK CUBE-300-30	KITCHEN HOOD EXHAUST	
EF-12	7,600	0.6"	BELT	5.0 HP	CENTRIFUGAL	GREENHECK KSFB-118-H25	KITCHEN HOOD MAKE-UP	7
EF-13	600	1.0"	BELT	0.25 HP	CENTRIFUGAL	GREENHECK GB-91-4	KITCHEN DISHWASHER	5
EF-14	1,880	0.25"	DIRECT	3/4	CENTRIFUGAL	BERNER STR1048A	KITCHEN AIR CURTAIN	6
EF-15	220	0.125"	DIRECT	48 W	CENTRIFUGAL	GREENHECK SP-A200	MAIN ELECTRICAL ROOM	3

1. INTERLOCK WITH ROOM LIGHTS
2. PROVIDE WITH TRANSFORMER, 120V TO 277V.
3. PROVIDE WITH THERMOSTAT SET AT 85°F.
4. BOOSTER SYSTEM INCLUDES FANTECH DB10 PRESSURE SENSOR TO RUN FAN WHEN DRYER IS IN OPERATION.
5. FAN TO BE INTERLOCKED WITH DISHWASHER.
6. PROVIDE WITH MICRO SWITCH FOR AUTOMATIC ON/OFF CONTROL.
7. KITCHEN HOOD MAKE-UP AIR FAN TO BE INTERLOCKED WITH KITCHEN HOOD EXHAUST FAN.

AIR CONDITIONING UNIT SCHEDULE #1

FAN COIL UNIT MARK	CFM @ 0.5" ESP	O.A. CFM	FAN HP	ELEC. HEAT	BASIS OF DESIGN (CARRIER)	HEAT PUMP/CONDENSING UNIT MARK	MBH COOLING @95°F AMBIENT	MBH HEATING @27°F AMBIENT	BASIS OF DESIGN (CARRIER)	SEER	REFRIGERANT	NOTES
FCU-1	600	100	0.25	5KW @ 208V	FA4C018	HP-1	15,800	17,800	25HBR318	13.0	R22	1 2 5
FCU-2	800	150	0.25	5KW @ 208V	FA4C024	HP-2	20,900	18,300	25HBR324	13.0	R22	1 2 5
FCU-3	1,200	SEE PLAN	0.33	5KW @ 208V	FA4C036	HP-3	31,700	26,200	25HBR336	13.0	R22	1 2 5
FCU-4	1,400	210	0.50	5KW @ 208V	FA4C042	HP-4	38,800	30,400	25HBR342	13.0	R22	1 2 5
FCU-5	1,600	220	0.75	5KW @ 208V	FA4C048	HP-5	43,000	34,700	25HBR348	13.0	R22	1 2 5
FCU-6	2,000	265	0.75	5KW @ 208V	FA4C060	HP-6	55,300	43,600	25HBR360	13.0	R22	1 2
FCU-7	915	-	0.06	-	4DGKB036	CU-6	30,000	-	38HDC030	-	R22	1 2
AHU-1	3,000	600	2.4	-	4ORM008	CU-1	90,000	-	38ARZ008	-	R22	1 2
AHU-2	5,200	600	3.7	30KW @ 460V	4ORM016H	CU-2	161,000	-	38ARD014	-	R22	1 2 3
AHU-3	6,000	825	5.0	-	4ORM016	CU-3	187,000	-	38ARD016	-	R22	1 2
AHU-4	8,000	1,525	5.0	-	4ORM024H	CU-4	204,000	-	38ARD016	-	R22	1 2
AHU-5	10,000	2,400	10.0	-	4ORM034H	CU-5	290,000	-	38AH028	-	R22	1 2 4

1. CONTRACTOR TO PROVIDE CONDENSATE PUMPS IF NECESSARY.
2. CONTRACTOR WILL PROVIDE OVERSIZE LONG-LINE REFRIGERANT LINE SETS IF NECESSARY.
3. PROVIDE WITH RETURN AIR HUMIDISTAT. IF HUMIDITY LEVEL RISES ABOVE SETPOINT, SYSTEM TO OPERATE IN COOLING MODE AND USE ELECTRIC HEATER TO REHEAT AIR TO SPACE TEMPERATURE SETPOINT.
4. PROVIDE WITH RETURN AIR CO2 SENSOR TO OPERATE DEMAND CONTROL VENTILATION THROUGH ECONOMIZER, BASE VENTILATION RATE SHALL BE 480 CFM.
5. CLASSROOM SYSTEMS TO BE INTERLOCKED WITH MOTION SENSOR. SEE ELECTRICAL PLANS FOR LOCATIONS. CLASSROOM UNITS TO OPERATE IN SETBACK MODE WHEN SPACE IS UNOCCUPIED.

ROOFTOP UNIT SCHEDULE

MARK	CFM	O.A. CFM	ESP W.G.	BRAKE H.P.	COOLING EAT°FdB	COOLING EAT°FwB	COOLING CAP.MBH	HEATING INPUT MBH	HEATING OUTPUT MBH	BASIS OF DESIGN (CARRIER)	NOM. TONNAGE	NOTES
RTU-1	1,600	400	0.4"	0.65	95°	67°	48.9	72.0	54.6	48HJD005	4.0	1 2
RTU-2	5,200	1,300	1.0"	2.86	95°	67°	164.0	225.0	182.3	48HJD015	12.0	1 3

1. PROVIDE FULL PERIMETER FACTORY ROOF CURB. SEE SPECIFICATIONS FOR OPTIONS, CONTROLS & ACCESSORIES REQUIRED.
2. PROVIDE WITH FACTORY MOUNTED CONVENIENCE OUTLET TO BE WIRED IN FIELD.
3. PROVIDE WITH FACTORY MOUNTED & FACTORY POWERED CONVENIENCE OUTLET.

HOOD SCHEDULE

MARK	EXH. CFM	SUP. CFM	LENGTH	WIDTH	LOCATION / SERVICE	BASIS OF DESIGN	NOTES
H-1	160	-	30"	17-1/2"	RANGE TOPS	BROAN 40000 SERIES	1 2
H-2	9,725	7,600	216"	120"	KITCHEN	GREASEMASTER 6IG-1	3 4 5

1. PROVIDE HOOD FIRE EXTINGUISHING SYSTEM WHICH AUTOMATICALLY DISCONNECTS ELECTRICAL POWER OR GAS SUPPLY TO STOVES. MOUNT EXTINGUISHER CYLINDER ABOVE HOOD IN CABINET.
2. HOODS, FANS, AND DUCTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH NFPA 101 AND 120-3-3 MODIFICATIONS TO NFPA 101.
3. HOODS, FANS, AND DUCTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH NFPA 96 AND 120-3-3 MODIFICATIONS TO NFPA 96.
4. HOOD SHIPS IN MULTIPLE SECTIONS FOR FIELD ASSEMBLY.
5. ADJUST SUPPLY DAMPERS PER MANUFACTURER'S RECOMMENDATIONS.

GAS FIRED DUCT HEATER SCHEDULE

MARK	CFM	MBH INPUT	MBH OUTPUT	MODEL (REZNOR)	NOTES
GDH-1	3,000	100.0	80.0	HX100	1 2
GDH-2	6,000	175.0	140.0	HX175	1 2
GDH-3	8,000	225.0	180.0	HX225	1 2
GDH-4	10,000	350.0	280.0	HX350	1 2

1. PROVIDE WITH TYPE 'B' DOUBLE WALL FLUE CAP.
2. INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTIONS AND LOCAL AUTHORITY REQUIREMENTS.

ELECTRIC DUCT HEATER

MARK	CFM	DUCT SIZE WIDTH	DUCT SIZE HEIGHT	KW	BASIS OF DESIGN (MARKEL)	NOTES
EDH-1	950	10	18	10.0	4PD10-1018-3	1 2

1. PROVIDE THERMOSTAT MOUNTED TO MAKEUP AIR FAN SET AT 50°F.
2. HEATER TO BE INTERLOCKED WITH MAKEUP AIR FAN. HEATER TO BE ENERGIZED WHEN BOTH FAN IS ENERGIZED & OUTSIDE TEMP. IS BELOW THERMOSTAT SETPOINT.

ELECTRIC UNIT HEATER SCHEDULE

MARK	KW	LOCATION	BASIS OF DESIGN (MARKEL)	NOTES
EUH-1	5.0	SPRINKLER RISER	P3P5105	1 2

1. PROVIDED WITH FIELD INSTALLED, IN-BUILT THERMOSTAT SET AT 50°F.
2. PROVIDED WITH WALL MOUNTING BRACKET.

LOUVER SCHEDULE

MARK	SIZE	BASIS OF DESIGN	NOTES
L-1	36"x24"	GREENHECK ESJ-602	1
L-2	36"x24"	GREENHECK ESJ-602	2

1. COORDINATE LOCATION WITH ARCHITECTURAL. MOUNT AT MAX. 12" BELOW ROOF DECK
2. COORDINATE LOCATION WITH ARCHITECTURAL. MOUNT AT MAX. 12" A.F.F.

NOTE: BID SHALL INCLUDE AIR CONDITIONING UNIT SCHEDULE #2 AS PRICE ALTERNATIVE FOR AIR CONDITIONING UNIT SCHEDULE #1.

AIR CONDITIONING UNIT SCHEDULE #2 (ALTERNATE)

FAN COIL UNIT MARK	CFM @ 0.5" ESP	O.A. CFM	FAN HP	ELEC. HEAT	BASIS OF DESIGN (CARRIER)	HEAT PUMP/CONDENSING UNIT MARK	MBH COOLING @95°F AMBIENT	MBH HEATING @27°F AMBIENT	BASIS OF DESIGN (CARRIER)	SEER	REFRIGERANT	NOTES
FCU-1	600	100	0.5	5KW @ 208V	FV4B002	HP-1	17,600	12,200	25HCA5018	15.0	410A	1 2 3
FCU-2	800	150	0.5	5KW @ 208V	FV4B003	HP-2	23,600	16,750	25HCA5024	15.5	410A	1 2 3
FCU-3	1,200	SEE PLAN	0.5	5KW @ 208V	FV4B003	HP-3	34,500	24,950	25HCA5036	15.5	410A	1 2 3
FCU-4	1,400	210	0.5	5KW @ 208V	FV4B005	HP-4	42,000	30,750	25HCA5042	15.5	410A	1 2 5
FCU-5	1,400	220	0.5	5KW @ 208V	FV4B005	HP-5	46,800	32,400	25HCA5048	15.0	410A	1 2 3
FCU-6	1,750	265	0.75	5KW @ 208V	FV4B006	HP-6	56,750	41,000	25HCA5060	14.5	410A	1 2

1. CONTRACTOR TO PROVIDE CONDENSATE PUMPS IF NECESSARY.
2. CONTRACTOR WILL PROVIDE OVERSIZE LONG-LINE REFRIGERANT LINE SETS IF NECESSARY.
3. CLASSROOM SYSTEMS TO BE INTERLOCKED WITH MOTION SENSOR. SEE ELECTRICAL PLANS FOR LOCATIONS. CLASSROOM UNITS TO OPERATE IN SETBACK MODE WHEN SPACE IS UNOCCUPIED.

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GEORGIA REGISTERED No. 020766 PROFESSIONAL

NEW FAIREVIEW ELEMENTARY SCHOOL
FOR: HABERSHAM COUNTY SCHOOLS
HABERSHAM COUNTY

REVISIONS

BID ISSUE
MARCH 9, 2007

PERMIT ISSUE
JANUARY 31, 2007

SHEET TITLE
SCHEDULES - HVAC

DATE
01-31-2007

PROJECT NUMBER
06-102

SHEET NUMBER
M2.1
OF 9

application
Monday, March 05, 2007 07:48:36am
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