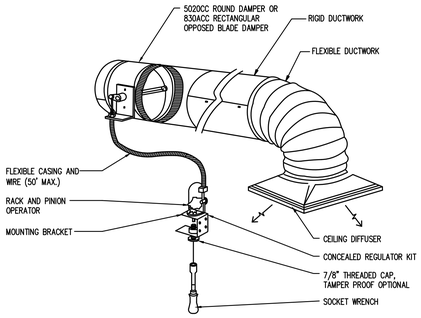
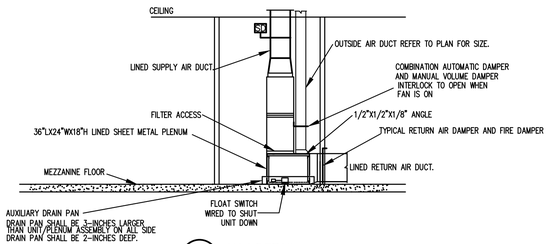


1 BOWDEN CABLE CONTROL SYSTEM
SCALE: N.T.S.



2 AH-3 DETAIL
SCALE: N.T.S.

PACKAGED ROOFTOP UNIT SCHEDULE

MARK	AIRFLOW	SUPPLY AIR CFM	MIN OUTSIDE AIR CFM	EXT. SP. IN. W.G.	NOMINAL TONS	EVAP. COIL ENTERING AIR DESIGN CONDITIONS DB F°	EVAP. COIL ENTERING AIR DESIGN CONDITIONS WB F°	EVAP. COIL LEAVING AIR DESIGN CONDITIONS DB F°	EVAP. COIL LEAVING AIR DESIGN CONDITIONS WB F°	SYSTEM COOLING MAX. REQUIREMENTS (MBH) TOTAL	SYSTEM COOLING MAX. REQUIREMENTS (MBH) SENSIBLE	OUTSIDE AIR TEMP. CONDITIONS DB F°	GAS HEAT MBH STAGE 1 IN/OUT	GAS HEAT MBH STAGE 2 IN/OUT	HEATING COIL @ OUTSIDE 25F TEMP. ENT. @ STG 1	HEATING COIL @ OUTSIDE 25F TEMP. LEAV. @ STG 1	POWER VAC/PH	BASIS OF DESIGN: CARRIER	WEIGHT LBS	NOTES
PU-1	HORIZONTAL	5,250	1000	1.0	15.0	78.5	65.5	55.0	54.0	180.0	135.0	95	144/118	180/146	61.5	87.5	208/3	48FEDN16M2A5-0A0A0	1800	1:2:3:4:5:6:7:8:9:10:11:12
PU-2	HORIZONTAL	5,250	1000	1.0	15.0	78.5	65.5	55.0	54.0	180.0	135.0	95	144/118	180/146	61.5	87.5	208/3	48FEDN16M2A5-0A0A0	1800	1:2:3:4:5:6:7:8:9:10:11:12
PU-3	HORIZONTAL	1,750	315	0.65	5.0	78.5	65.5	55.0	54.0	60.0	44.0	95	87/54	50/40	60.0	93.0	208/3	48GDBX06M2A5-0A0A0	700	1:2:3:4:5:6:7:8:9:10:12:13

1. PROVIDE FILTERS, CONDENSATE TRAP, PIPING, FLEXIBLE CONNECTIONS, PROGRAMMABLE T-STAT, AND CONDENSATE P-TRAP TO DISCHARGE INTO DRY WELL. HORIZONTAL SUPPLY AND HORIZONTAL RETURN UNIT. UNIT SHALL BE MOUNTED ON CONCRETE PAD.
2. VERIFY ELECTRIC POWER REQUIREMENTS WITH ELECTRICAL PLANS, WHICH TAKE PRECEDENCE OVER THIS INFORMATION.
3. PACKAGED UNIT SHALL HAVE MEDIUM STATIC MOTOR. PROVIDE MANUFACTURER'S APPROVED SOUND ATTENUATION BLANKETS FOR COMPRESSORS PROVIDE CONDENSER COIL GUARD.
4. PROVIDE MANUFACTURER'S SUPPLY AIR SMOKE DETECTOR. ELECTRICAL SHALL INTERLOCK IT WITH BUILDING FIRE ALARM SYSTEM. PROVIDE MANUFACTURER'S INTEGRAL CONDENSATE OVERFLOW SWITCH.
5. PROVIDE BUILT-IN HUMIDI-MIZER ADAPTIVE DEHUMIDIFICATION SYSTEM. HOT GAS REHEAT COIL SYSTEM SHALL WORK INDEPENDENTLY OF COOLING CIRCUIT TO CONTROL HUMIDITY WITHIN OCCUPIED SPACE.
6. PROVIDE MANUFACTURER'S 2-STAGE GAS HEAT. PROVIDE FLUE DISCHARGE DEFLECTOR THAT DEFLECTS FLUE UPWARD. PROVIDE FLUE DISCHARGE HEAT SHIELD.
7. PROVIDE MOTORIZED MINIMUM OUTSIDE AIR HOOD. INTERLOCK MINIMUM OUTSIDE AIR DAMPER TO OPEN WHEN EVAPORATOR FAN IS ON.
8. 2-STAGE COOLING WITH HUMIDI-MIZER. PROVIDE 2-SPEED INDOOR FAN CONTROLLED. FAN SHALL HAVE STAGED AIR VOLUME SYSTEM FOR COOLING.
9. UNDER HEATING SUPPLY CFM SHALL BE SET TO PROVIDE 100% OF AIR AT BOTH STAGES. UNDER COOLING MOM STAGE FAN TO MATCH COOLING STAGE.
10. PROVIDE GLOBAL PLASMA IONIZATION SYSTEM. REFER TO SCHEDULE FOR FURTHER INFORMATION.
11. PROVIDE BASE ECONOMIZER WITH ELECTROMECHANICAL CONTROLS AND FIELD INSTALLED ECONOMIZER ACCESSORIES CRECOMZR106A00 WITH POL224. INSTALL RELIEF HOOD AT RETURN AIR DUCT.
12. PROVIDE TEMPERATURE ECONOMIZER WITH BAROMETRIC RELIEF. BAROMETRIC HOOD SHALL BE FIELD INSTALLED ACCESSORIES.
13. PROVIDE BASE ECONOMIZER WITH ELECTROMECHANICAL CONTROLS AND FIELD INSTALLED ECONOMIZER ACCESSORIES CRECOMZR102A00 WITH POL224. INSTALL RELIEF HOOD AT RETURN AIR DUCT.

MECHANICAL SYMBOLS & ABBREVIATIONS LEGEND

	NEW PIPE, DUCTWORK OR EQUIPMENT
24x12 24x12	DUCT SIZE: FIRST DIMENSION IS SIDE DRAWN
	FLEXIBLE ROUND DUCTWORK
FD SCD SD	FIRE DAMPER, SMOKE DAMPER, SMOKE DETECTOR
	CEILING SUPPLY DIFFUSER
	CEILING RETURN OR EXHAUST AIR
	S.A DUCT OUT OF TU BOX WITH DUCT LINER FOR THR FIRST FIVE FEET OF DUCT OUT OF TU BOX
	SIDEWALL REGISTER OR GRILLE
	CHANGE IN PIPE OR DUCT SIZE OR SHAPE
R	REFRIGERANT PIPING
D	CONDENSATE OR OTHER DRAIN PIPING
	ELBOW TURNED DOWN OR TURNED UP IN PIPING
T	THERMOSTAT, ARROW SHOWS CONTROL WIRING PATH
TC	TIME CLOCK
ø	DIAMETER
U.C.	UNDER-CUT DOOR 3/4", UNLESS OTHER SIZE NOTED
20	INDICATES EQUIPMENT ON PLANS; TOP ITEM SHOWS TYPE OF EQUIPMENT AND BOTTOM ITEM SHOWS SPECIFIC MARK NUMBER
4 S1 8"ø 300	ITEM IN HEXAGON SHOWS AIR DEVICE MARK NUMBER, ITEM ABOVE LINE SHOWS NECK SIZE, ITEM BELOW LINE SHOWS AIR FLOW THROUGH DEVICE, AND NUMBER IN FRONT SHOWS QUANTITY IF MORE THAN ONE
AFF	ABOVE FINISHED FLOOR
AH	AIR HANDLING UNIT
BD	BYPASS DAMPER
BTUH, MBH	BRITISH THERMAL UNITS, THOUSAND BRITISH THERMAL UNITS
CAP	CAPACITY
CFM	CUBIC FEET PER MINUTE
CLG	CEILING
CU	CONDENSING UNIT
DB, WB	DRY BULB TEMPERATURE, WET BULB TEMPERATURE
EA, EG	EXHAUST AIR, EXHAUST GRILLE
EF	EXHAUST FAN
EXT SP	EXTERNAL STATIC PRESSURE (USUALLY EXPRESSED IN INCHES OF WATER IN CAGE)
HP	HEAT PUMP UNIT
MVD, VD	MANUAL VOLUME DAMPER
OA	OUTSIDE AIR
RA, RG	RETURN AIR, RETURN GRILLE
RTU	PACKAGED ROOFTOP UNIT
SA	SUPPLY AIR
A	AUDIBLE/VISUAL ALARM DEVICE CONNECTED TO DUCT SMOKE DETECTOR
VAC, PH	VOLTS ALTERNATING CURRENT, NUMBER OF PHASES
W, KW	WATTS, KILOWATTS
AD	ACCESS DOOR
	RADIUS ELBOW (R=1.5)
	VANED ELBOW
MOD	MANUAL VOLUME DAMPER (MVD), MOTOR OPERATED DAMPER (MOD)

ELECTRIC CABINET HEATER SCHEDULE

MARK	HEATER KW	VOLTS/PH	BASIS OF DESIGN	NOTES
EWH-1	1.5	120/1	BROAN 174	1:2:3

1. MOUNT UNIT HEATERS AT 90" AFF.
2. VERTICAL WALL MOUNTED EXPOSED HEATER.
3. VERIFY ELECTRIC POWER REQUIREMENTS WITH ELECTRICAL PLANS, WHICH TAKE PRECEDENCE OVER THIS INFORMATION.

SELF-CLEANING IONIZATION SYSTEM SCHEDULE

AIRFLOW CAPACITY MIN-MAX CFM	BASIS OF DESIGN GLOBAL PLASMA SOLUTIONS	NOTES
0-2400	GPS-FC24-AC	1:2:3:4:5
0-1200	GPS-FC	1:4:7:8
0-8000	GPS-MOD	1:2:3:4:6

1. ONE SELF CLEANING IONIZATION SYSTEM SHALL BE INSTALLED PER SYSTEM. INTERLOCK TO RUN WITH EVAPORATOR FAN.
2. UNIT SHALL BE EQUIPPED WITH UNIVERSAL VOLTAGE INPUT, IN-LINE ON-OFF SWITCH, PROGRAMMABLE AUTO-CLEANING CYCLE.
3. UNIT SHALL BE EQUIPPED WITH PLASMA ON INDICATION LIGHT, ALARM CONTACTS, MAGNETS, AND CARBON FIBER BRUSH EMITTERS.
4. SYSTEM SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS.
5. USE THIS SYSTEM FOR UP TO 5-TON AIR HANDLING UNITS.
6. ONE IONIZATION SYSTEM PER GROUND MOUNTED PACKAGED UNIT PU-1 AND PU-2
7. SYSTEM SHALL BE USED FOR DUCTLESS MINI SPLITS.
8. SYSTEM SHALL BE EQUIPPED WITH CARBON FIBER BRUSHES AND LED OPERATION STATUS.

LOUVER SCHEDULE

MARK	W X H (INCHES)	CFM	FREE AREA (SQ. FT.)	PRESS. DROP (IN. W.G.)	(COLOR BY ARCHITECT)	BASIS OF DESIGN	NOTES
L-1	42"X18"	1250	2.14	0.06	ENAMEL	GREENHECK ESD 403	1:2:3:4
L-2	36"X12"	400	1.17	0.06	ENAMEL	GREENHECK ESD 403	1:2:3:4

1. COORDINATE WITH ARCHITECTURAL PLANS FOR LOUVER ELEVATION. PAINT LOUVER TO MATCH EXTERIOR WALL.
2. STATIONARY EXTRUDED ALUMINUM DRAINABLE BLADE LOUVER. PROVIDE WITH BIRDSCREEN AND FACTORY BAKED ENAMEL FINISH.
3. PROVIDE FULL SIZE 24-INCHES DEEP SHEET METAL PLENUM BEHIND PLENUM.
4. TOP OF LOUVER AT BOTTOM OF STRUCTURE.

HEAT PUMP AIR HANDLING UNIT SCHEDULE

MARK	SUPPLY AIR CFM	OUTSIDE AIR CFM	EXT. SP. IN. W.G.	EVAP. FAN HP	EVAP. COIL ENTERING AIR DESIGN CONDITIONS DB F°	EVAP. COIL ENTERING AIR DESIGN CONDITIONS WB F°	EVAP. COIL LEAVING AIR DESIGN CONDITIONS DB F°	EVAP. COIL LEAVING AIR DESIGN CONDITIONS WB F°	SYSTEM COOLING MAX. REQUIREMENTS (MBH) TOTAL	SYSTEM COOLING MAX. REQUIREMENTS (MBH) SENSIBLE	SUPPL. HEAT KW	HEAT WEIGHT (LBS)	POWER VAC/PH	BASIS OF DESIGN CARRIER	NOTES
AH-1	1,400	250	0.60	3/4	78.2	65.3	55.0	54.0	46.4	32.6	7.5	250	208/1	FT5ANXC48L	1:2:3:4:5:6:7:8:9:10:11
AH-2	1,400	250	0.60	3/4	78.2	65.3	55.0	54.0	46.4	32.6	7.5	250	208/1	FT5ANXC48L	1:2:3:4:5:6:7:8:9:10
AH-3	1,400	250	0.60	3/4	78.2	65.3	55.0	54.0	46.4	32.6	7.5	250	208/1	FT5ANXC48L	1:2:3:4:5:6:7:8:9:10
AH-4	1,400	250	0.60	3/4	78.2	65.3	55.0	54.0	46.4	32.6	7.5	250	208/1	FT5ANXC48L	1:2:3:4:5:6:7:8:9:10:11
AH-5	1,400	250	0.60	3/4	78.2	65.3	55.0	54.0	46.4	32.6	7.5	250	208/1	FT5ANXC48L	1:2:3:4:5:6:7:8:9:10
AH-6	1,400	250	0.60	3/4	78.2	65.3	55.0	54.0	46.4	32.6	7.5	250	208/1	FT5ANXC48L	1:2:3:4:5:6:7:8:9:10
AH-7	1,400	250	0.60	3/4	78.2	65.3	55.0	54.0	46.4	32.6	7.5	250	208/1	FT5ANXC48L	1:2:3:4:5:6:7:8:9:10
AH-8	1,750	315	0.60	3/4	78.2	65.3	55.0	54.0	54.0	39.8	11.3	250	208/1	FT5ANBD60L	1:2:3:4:5:6:7:8:9:10
AH-9	1,750	315	0.60	3/4	78.2	65.3	55.0	54.0	54.0	39.8	11.3	250	208/1	FT5ANBD60L	1:2:3:4:5:6:7:8:9:10
AH-10	1,050	125	0.60	1/2	77.1	64.3	55.0	54.0	32.6	22.0	6.0	250	208/1	FT5ANXC36L	1:2:3:4:5:6:7:8:9:10

1. UNIT AT 208/1ø AUXILIARY HEATER AT 208/1ø. UNIT SHALL HAVE SINGLE POINT CONNECTION. AIR-HANDLING UNIT WITH ECM MOTOR.
2. VERIFY ELECTRIC POWER REQUIREMENTS WITH ELECTRICAL PLANS, WHICH TAKE PRECEDENCE OVER THIS INFORMATION.
3. PROVIDE AIR FILTERS, DUCT CONNECTIONS AND VIBRATION ISOLATION. PROVIDE PROGRAMMABLE THERMOSTAT AND SUPP. ELEC. HEAT MODULE CONNECTED TO UNIT FOR SINGLE POINT OF CONNECTION.
4. PROVIDE CONDENSATE TRAP(S) AS RECOMMENDED BY MANUFACTURER AND ROUTE CONDENSATE PIPING TO HUB DRAIN.
5. PROVIDE AUXILIARY DRAIN PAN UNDER THE AIR HANDLERS WITH FLOAT ACTIVATED SWITCH TO SHUT THE UNIT DOWN INCASE OF CONDENSATE OVERFLOW. REFER TO DETAIL PROVIDED.
6. PROVIDE DUCT SMOKE DETECTOR IN SUPPLY AIR DUCT OF AIR-HANDLING UNIT.
7. FLOAT ACTIVATED CONDENSATE SWITCH SHALL BE PROVIDED AND INSTALLED BY HVAC CONTRACTOR. DUCT SMOKE DETECTORS SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR AND INSTALLED BY HVAC CONTRACTOR.
8. PROVIDE COIL OUTLET SWITCH TO SHUT UNIT DOWN IN CASE OF CONDENSATE OVERFLOW. WIRE COIL OUTLET SWITCH IN SERIES WITH AUXILIARY CONDENSATE SWITCH LOCATED IN DRAIN PAN.
9. PROVIDE GLOBAL PLASMA IONIZATION SYSTEM. REFER TO SCHEDULE FOR FURTHER INFORMATION.
10. UNIT SHALL HAVE MANUFACTURER'S REFRIGERANT LEAK DETECTION DISSIPATION SYSTEM.
11. PROVIDE CARRIER PROGRAMMABLE THERMOSTAT WITH FOUR SMART SENSORS. LOCATE SENSORS AND THERMOSTAT AS PER DRAWINGS.

AIR COOLED HEATPUMP UNIT SCHEDULE

MARK	AHU SERVED	HEAT PUMP HEATING CAP (MBH)	SEER2	HSPF2	NOM. CAP. (TONS)	REFRIG	OA TEMP SUMMER (DB)	OA TEMP WINTER (DB)	WEIGHT (LBS)	POWER VAC/PH	BASIS OF DESIGN CARRIER	NOTES
HP-1	AH-1	31.2	17.0	8.1	4.0	R454B	93	18	350	208/1	27TPA848A003	1:2:3:4:5:6
HP-2	AH-2	31.2	17.0	8.1	4.0	R454B	93	18	350	208/1	27TPA848A003	1:2:3:4:5:6
HP-3	AH-3	31.2	17.0	8.1	4.0	R454B	93	18	350	208/1	27TPA848A003	1:2:3:4:5:6
HP-4	AH-4	31.2	17.0	8.1	4.0	R454B	93	18	350	208/1	27TPA848A003	1:2:3:4:5:6
HP-5	AH-5	31.2	17.0	8.1	4.0	R454B	93	18	350	208/1	27TPA848A003	1:2:3:4:5:6
HP-6	AH-6	31.2	17.0	8.1	4.0	R454B	93	18	350	208/1	27TPA848A003	1:2:3:4:5:6
HP-7	AH-7	31.2	17.0	8.1	4.0	R454B	93	18	350	208/1	27TPA848A003	1:2:3:4:5:6
HP-8	AH-8	37.5	17.5	8.1	5.0	R454B	93	18	350	208/1	27TPA860A003	1:2:3:4:5:6
HP-9	AH-9	37.5	17.5	8.1	5.0	R454B	93	18	350	208/1	27TPA860A003	1:2:3:4:5:6
HP-10	AH-10	23.6	15.2	8.1	3.0	R454B	93	18	350	208/1	27TPA836A003	1:2:3:4:5:6

1. PROVIDE WITH DEFROST CONTROLS, LOW AMBIENT HEAD PRESSURE CONTROLS, AND ANTI-SHORT CYCLE TIMER. PROVIDE COIL GUARD.
2. VERIFY ELECTRIC POWER REQUIREMENTS WITH ELECTRICAL PLANS, WHICH TAKE PRECEDENCE OVER THIS INFORMATION.
3. PROVIDE LIQUID LINE SOLENOID, CRANKCASE HEATER, TXV, START CAPACITOR AND RELAY AS RECOMMENDED BY MANUFACTURER FOR LONG LINE APPLICATIONS.
4. PROVIDE MOUNTING PAD AS PER DETAIL PROVIDED.
5. 2-STAGE COMPRESSOR UNIT.
6. PROVIDE LONG LINE ACCESSORIES PER NOTE 3 WHERE REFRIGERANT PIPE LENGTHS EXCEEDS 80-EQUIVLENT FEET.

MINI SPLIT & HEAT PUMP FAN COIL SYSTEM SCHEDULE

OUTDOOR UNIT MARK	INDOOR UNIT MARK	MIN COOLING MBH	MIN HEATING MBH @ 47F	SUPPLY AIR CFM	SEER	HSPF	POWER VAC/PH	CARRIER MODEL # OUTDOOR	CARRIER MODEL # INDOOR	NOTES
HPU-1	ACU-1	16.0	18.0	420	20.0	10.5	208/1	38MAQB18R---3	40MBC018---3	1:3:4:5:6:8:9:10:11:12
HPU-2	ACU-2	---	---	---	---	---	---	---	---	NOT USED
HPU-3	ACU-3	---	---	---	---	---	---	---	---	NOT USED
HPU-4	ACU-4	---	---	---	---	---	---	---	---	NOT USED
HPU-5	ACU-5	---	---	---	---	---	---	---	---	NOT USED
HPU-6	ACU-6	---	---	---	---	---	---	---	---	NOT USED
HPU-7	ACU-7	---	---	---	---	---	---	---	---	NOT USED
HPU-8	ACU-8	---	---	---	---	---	---	---	---	NOT USED
HPU-9	ACU-9	---	---	---	---	---	---	---	---	NOT USED
HPU-10	ACU-10	---	---	---	---	---	---	---	---	NOT USED
HPU-11	ACU-11	---	---	---	---	---	---	---	---	NOT USED
HPU-12	ACU-12	---	---	---	---	---	---	---	---	NOT USED
HPU-13	ACU-13	---	---	---	---	---	---	---	---	NOT USED
HPU-14	ACU-14	16.0	18.0	420	20.0	10.5	208/1	38MAQB18R---3	40MBC018---3	1:3:4:5:6:8:9:10:11:12
HPU-15	ACU-15	---	---	---	---	---	---	---	---	NOT USED
HPU-16	ACU-16	---	---	---	---	---	---	---	---	NOT USED

1. VERIFY ELECTRICAL POWER REQUIREMENTS WITH ELECTRICAL PLANS WHICH TAKES PRECEDENCE OVER THIS INFORMATION.
2. MINI SPLIT SYSTEM MOUNTED ON WALL (SEE PLANS). PROVIDE MANUFACTURER'S WIRED THERMOSTAT.
3. ROUTE CONDENSATE AS NOTED ON DRAWINGS. COORDINATE WITH PLUMBING.
4. PROVIDE LONG LINE ACCESSORIES PER MANUFACTURER'S INSTRUCTIONS.
5. PROVIDE DISCONNECT AND ELECTRICAL CONNITECTION TO OUTDOOR UNIT PER MANUFACTURER'S INSTRUCTIONS.
6. CONTRACTOR MUST COORDINATE EXACT LOCATION OF DRAIN IN THE FIELD WITH PLUMBING CONTRACTOR. MECHANICAL MUST ROUTE CONDENSATE TO APPROPRIATE LOCATION OF DISPOSAL.
7. PROVIDE FLOAT ACTIVATED CONDENSATE PUMP TO PUMP CONDENSATE DOWN TO DRAIN WHERE REQUIRED.
8. PROVIDE RECTOR SEAL SS610E CONDENSATE OVERFLOW SWITCH TO SHUT UNIT DOWN IN CASE OF CONDENSATE OVERFLOW.
9. 4-WAY CEILING CASSETTE.
10. PROVIDE MANUFACTURER'S INTEGRAL CONDENSATE PUMP.
11. PROVIDE MANUFACTURER'S WIRED REMOTE CONTROLLER KSACN0501AAA.
12. PROVIDE SELF CLEANING IONIZATION SYSTEM. REFER TO SCHEDULE FOR FURTHER INFORMATION.

FAN SCHEDULE

MARK	CFM	EXT. SP IN W.G.	DRIVE TYPE	MOTOR AMP/WATTS	MAX SONES	POWER/ PHASE	SERVES	BASIS OF DESIGN	NOTES
EF-1	200	0.35	DIRECT	83.0 W	2.5	115/1	W115 MEN	GREENHECK SP-A250	1:2:3:4
EF-2	200	0.30	DIRECT	47.0 W	2.0	115/1	W113 WOMEN	GREENHECK SP-A200	1:2:3:4
EF-3	150	0.30	DIRECT	128.0 W	3.0	115/1	E124 MEN	GREENHECK SP-B150	1:2:3:4
EF-4	150	0.30	DIRECT	128.0 W	3.0	115/1	E102 WOMEN	GREENHECK SP-B150	1:2:3:4
EF-5	70	0.25	DIRECT	20.0 W	1.3	115/1	E103 UNISEX	GREENHECK SP-B90	1:2:3:5
EF-6	70	0.25	DIRECT	20.0 W	1.3	115/1	E107 UNISEX	GREENHECK SP-B90	1:2:3:5

1. CEILING MOUNTED CENTRIFUGAL FAN. PROVIDE FACTORY SUPPLIED DISCONNECT SWITCH, BACKDRAFT DAMPER, VIBRATION ISOLATION, FAN SPEED CONTROLLER, GRILLE AND MOTOR WITH THERMAL OVERLOAD.
2. PROVIDE ROUND DUCT CONNECTION.
3. VERIFY ELECTRIC POWER REQUIREMENTS WITH ELECTRICAL PLANS, WHICH TAKE PRECEDENCE OVER THIS INFORMATION.
4. FAN SHALL BE CONTROLLED BY A 24/7 365 DAY TIME CLOCK LOCATED IN W116 RISER FOR EF-1,2 & A107 SUPPORT FOR EF-3,4. ELECTRICAL SHALL PROVIDE TIME CLOCK.
5. FAN SHALL BE INTERLOCKED WITH LIGHTS IN THE ROOM IT SERVES PROVIDE 10-MINUTE TIME DELAY TO TURN OFF FAN AFTER LIGHTS ARE OFF.

AIR DEVICE SCHEDULE

MARK	SERVICE	NECK SIZE	FACE SIZE	MATERIAL	TYPE	PATTERN	MOUNTING TYPE	LAYOUT BASIS	NOTES
S1	SUPPLY	SEE PLANS	24" X 24"	STEEL	SQUARE CONC.	4-WAY	LAY-IN	TITUS TMS	1:2:4
S2	SUPPLY	SEE PLANS	NECK+1-3/4"	STEEL	DOUBLE DEFLECTION REGISTER	2-WAY	DUCT MOUNT	TITUS 300RS	1:2
S3	SUPPLY	SEE PLANS	NECK+1-3/4"	STEEL	DOUBLE DEFLECTION REGISTER	2-WAY	DUCT MOUNT	TITUS 300RS	3:4:5
S4	SUPPLY	SEE PLANS	24" X 24"	STEEL	SQUARE CONC.	4-WAY	SURFACE	TITUS TMS	1:2:4
S5	SUPPLY	SEE PLANS	48"-4 SLOT	ALUMINUM	LINEAR SLOT	1-WAY	SURFACE	TITUS ML-38	4:8:9
S6	SUPPLY	SEE PLANS	NECK+2-1/4"	ALUMINUM	AIR NOZZLE	1-WAY	SURFACE	AIR CONCEPTS ANC-RP	2:4:10:11
R1	RETURN	SEE PLANS	NECK+1-3/4"	ALUMINUM	FULL LOUVERED FACE	---	SURFACE	TITUS 350RL	3:6
R2	RETURN	SEE PLANS	24" X 24"	ALUMINUM	EGGCRATE	---	SURFACE	TITUS 50F	1:7
R3	RETURN	SEE PLANS	24" X 24"	ALUMINUM	EGGCRATE	---	LAY-IN	TITUS 50F	1:7

1. PROVIDE STANDARD WHITE FINISH.
2. INSULATE BACK OF DEVICE.
3. GRILLE SHALL BE SAME COLOR AS WALL/DUCT IT IS MOUNTED ON. COORDINATE WITH ARCHITECT.
4. BALANCE AIRFLOW TO QUANTITY SHOWN.
5. PROVIDE ALUMINIZED FACE OPERATED DAMPER THAT IS ACCESSIBLE FROM THE FACE OF REGISTER.
6. PROVIDE MANUFACTURER'S FACE VOLUME DAMPER WHERE NOTED ON DRAWINGS.
7. PROVIDE FULL SIZE LINED SHEET METAL PLENUM ON TOP OF GRILLE FOR CONNECTION.
8. 4'-0" LENGTH AS STANDARD. PROVIDE FACTORY INSULATED PLENUM ON TOP OF DIFFUSER FOR DUCT CONNECTION. CONSULT ARCHITECT FOR DIFFUSER FINISH.
9. PROVIDE CONCEALED FASTENING, FLUSH MOUNT FRAME, AND BORDER.
10. CONSULT ARCHITECT WITH GRILLE FINISH.
11. GRILLE SHALL BE SUPPORTED BY SHEET METAL DUCTWORK IT IS MOUNTED ON. NO FLEX DUCTWORK ALLOWED FOR BRANCH DUCTWORK OF THE GRILLE.

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770.786.3031

MECHANICAL SCHEDULES

Retrofit & Renovations for Madison Methodist Church

1091 Confederate Highway — Madison, Georgia 30650

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