

REVISIONS	BY

EQUIPMENT SCHEDULE

MARK	DESCRIPTION
5	AIR HANDLER: CARRIER UNIFLEX 39N249 SUPPLY FAN SHALL BE FORWARD CURVE HORIZONTAL DRAW-TYPE CONFIGURATION, 30" DIA. WHEEL, 26,000 C.F.M. S.A. @ 2" S.P. TOTAL, 431 R.P.M., 15 H.P., 208-3 PHASE MOTOR. HOT WATER COIL SHALL BE 38.7 SQUARE FEET AREA, 2 ROW, 8 F.P.I., 516.8 F.P.M. AIR VELOCITY, 950 MBH CAPACITY @ 150 F.W.T., 150 F.I.W.T., 16 F.E.A.T., 80 F.L.A.T., 12.7 P.D. (PT. WG) @ 95 G.P.M., 120" S.P. ACCESS COIL. O.A. FILTERS SHALL BE ANGLE FILTERS, 30% EFFICIENCY, 18-16"x24"x2" DISPOSABLE TYPE, 73.2 SQUARE FEET FACE AREA. UNIT WEIGHT 4900 LBS. 100% O.A., PROVIDE CONTRACTOR FABRICATED O.A. HOOD, AIR HANDLER SHALL BE MANUFACTURED FOR OUTDOOR APPLICATION.
1	BOILER: RAYPAK H-1178 , 1178.0 M.B.H. INPUT, 966.0 M.B.H. OUTPUT, 160 F.W.T., 160 F.L.W.T., 12.5 P.D. (PT.WG) @ 90 G.P.M. MAX WATER FLOW THRU BOILER, UNIT WEIGHT 1000 LBS., BOILER SHALL BE MANUFACTURED FOR OUTDOOR APPLICATION.
P	PUMP: BELL & GOSSETT 1510 ZAC , 2 H.P., 208-3 PHASE T.E.P.C. MOTOR, 1750 R.P.M., 95 G.P.M. @ 41 FEET OF HEAD, PUMP SHALL BE END SUCTION, FLEX COUPLED AND BASE MOUNTED FOR HOT WATER APPLICATION.
1	AIR SEPARATOR: BELL & GOSSETT R-102 1/2" 60 GALLON CAPACITY, 2 1/2" INLET AND OUTLET, 100 LBS.
1	EXPANSION TANK: BELL & GOSSETT H-200 SERIES "B" 63 GALLON CAPACITY, 24" DIA X 36" HIGH, TRIM GAUGE GLASS SET AND TANK DRAIN, UNIT WEIGHT 360 LBS.
1	FILTER BANK: SANCO ENVIRONMENTAL SYSTEMS 16-14"x14"x1" DEEP 30% EFFICIENT PRE FILTERS, 16-14"x14"x1" DEEP 90-95% EFFICIENT MIDDLE FILTERS, 16-14"x14"x1" DEEP 99.97% H.E.P.A. FILTERS. FILTERS SHALL BE ENCLOSED IN HOUSING MANUFACTURED FOR OUTDOOR APPLICATION WITH FILTER ACCESS ON EACH SIDE, INITIAL S.P. 1.5 FINAL S.P. 2.5, PROVIDE MAGNETIC GASE ACCESS FILTERS AND LABEL "CHANGE FILTERS @ 2.5" S.P. FILTER BANK WEIGHT 2500 LBS.
1	EXHAUST FAN: GREENHECK 06 B180 1/2" DIA. FAN WHEEL, 12,000 C.F.M. @ 1.5" S.P., 810 R.P.M., 25 H.P., 208-3 PHASE MOTOR, UNIT WEIGHT 750 LBS., PROVIDE MANUFACTURER SUPPLIED WEATHER SHIELD OVER MOTOR, APPROPRIATE TO.
1	EXHAUST FAN: GREENHECK 08-200-15 5000 C.F.M. @ 1.5" S.P., 1200 R.P.M., 12.0 SONES, 5875 T.S.F., 1.5 H.P., 208-3 PHASE SUPPLIED ROOF CURB AND DISCONNECT, 100 LBS.
1	EXHAUST FAN: GREENHECK 08108 100 C.F.M. @ 1.25" S.P., 120 VOLT MOTOR, .45 AMPS, 37 WATTS, 2.4 SONES 1450 R.P.M., UNIT WEIGHT 15 LBS.
1	GRAVITY INTAKE: GREENHECK FR48A HOOD, 34"x34" THROAT SIZE, 5000 C.F.M., .071" S.P., BIRD SCREEN ON OPENINGS, MANUFACTURE SUPPLYING ROOF CURB.
1	AIR CONDITIONING: CARRIER 48L10009 ROOF TOP PACKAGE UNIT, ELECTRIC COOL WITH GAS HEAT, 3500 C.F.M. S.A. @ 1.6" S.P., BELT DRIVEN 3 H.P. EVAP. FAN MOTOR, UNIT ELECTRICAL: 208-3 PHASE, 3 MINIMUM CIRCUIT AMPS, 5 AMPS MAX OVER CURRENT PROTECTION, COOLING CAPACITY: 107.1 MBH TOTAL AND 79.3 MBH SEN. @ 80°F DB AND 67°F WB E.A.T., 95 DB CONDENSOR AMBIENT, 9.5 E.E.R. AND 9.45 IHPV, HEATING CAPACITY: 125 MBH INPUT, 100 MBH OUTPUT 80% AFUE, MANUFACTURER SUPPLIED FILTER RACK WITH FILTERS, ROOF CURB AND ECONOMIZER, UNIT WEIGHT 1200 LBS. 450 C.F.M. O.A. FAN PROVIDED SHALL BE MANUFACTURED FOR OUTDOOR APPLICATION AND A DISCONNECT SHALL BE PROVIDED.
1	AIR CONDITIONING: CARRIER 48L10008 ROOF TOP PACKAGE UNIT, ELECTRIC COOL WITH GAS HEAT, 3000 C.F.M. S.A. @ 1.6" S.P., BELT DRIVEN 3 H.P. EVAP. FAN MOTOR, UNIT ELECTRICAL: 208-3 PHASE, 3 MINIMUM CIRCUIT AMPS, 4 AMPS MAX OVER CURRENT PROTECTION, COOLING CAPACITY: 95.7 M.B.H. TOTAL AND 70.9 M.B.H. SEN. @ 80°F DB AND 67°F WB E.A.T., 95 DB CONDENSOR AMBIENT, 9.1 E.E.R. AND 9.7 IHPV, HEATING CAPACITY: 125 MBH INPUT, 100 MBH OUTPUT, 80% AFUE, MANUFACTURER SUPPLIED FILTER RACK WITH FILTERS, ROOF CURB AND ECONOMIZER, UNIT WEIGHT 1200 LBS. 420 C.F.M. O.A. FAN PROVIDED SHALL BE MANUFACTURED FOR OUTDOOR APPLICATION AND A DISCONNECT SHALL BE PROVIDED.

NOTES:

1. ALL EQUIPMENT SHALL BE MANUFACTURED BY THE MANUFACTURER LISTED OR APPROVED EQUIVALENT. ALL EQUIPMENT SHALL BE NEW UNLESS OTHERWISE NOTED.

2. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND THE applicable codes and standards.

3. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE applicable codes and standards.

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MECHANICAL LEGEND		
SYMBOL	ABBREV.	DESCRIPTION
	NEW RIGID DUCTWORK (RST NUMBER INDICATES SIDE SHOWN)	
	EXISTING TO BE REMOVED	
	M.V.D.	MANUAL VOLUME DAMPER
	F.D.	FIRE DAMPER
	F.S.D.	FIRE SMOKE DAMPER
	SA	SUPPLY AIR
	RA/OA	RETURN AIR/OUTSIDE AIR
	EA	EXHAUST AIR
	CD	CEILING DIFFUSER
	RR	RETURN REGISTER/RETURN GRILLE
	SR	SUPPLY REGISTER
	CD	CONDENSATE DRAIN
	RAR	RELIEF AIR REGISTER
	ER/G	EXHAUST REGISTER/GRILLE
	TSTAT	THERMOSTAT (NUMBER INDICATES EQUIPMENT OR ZONE SERVED)
	EXIST	DENOTES EXISTING
	POC	POINT OF CONNECTION
	NG	NATURAL GAS
	CHUR	CHILLED WATER RETURN
	CHUS	CHILLED WATER SUPPLY
	HWUR	HOT WATER RETURN
	HWUS	HOT WATER SUPPLY
	CW	COLD WATER
	RS	REFRIGERANT SUCTION
	RL	REFRIGERANT LIQUID
	ABFF	ABOVE FINISH FLOOR
	BODD	BOTTOM OF DUCT
	COOLING	COOLING
	BDD	BACK DRAFT DAMPER
	EAT	ENTERING AIR TEMPERATURE
	EWT	ENTERING WATER TEMPERATURE
	EXT	EXTERNAL
	GPM	GALLONS PER MINUTE
	HEATING	HEATING
	LAT	LEAVING AIR TEMPERATURE
	LWT	LEAVING WATER TEMPERATURE
	MCA	MAXIMUM CIRCUIT AMPS
	MOP	MAXIMUM OVERCURRENT PROTECTION
	PD	PRESSURE DROP (FEET OF HEAD)
	SP	STATIC PRESSURE
	TOD	TOP OF DUCT
	TYP	TYPICAL
	UN	UNLESS OTHERWISE NOTED

DRAWING CONTENTS MECH. EQUIPMENT SCHED. & LEGEND

PROJECT: ACCURACY GUN
Tel: wilkesbarre ct.

DESIGN DEVELOP: 5/16/20
PLAN CHECK: 4/13/20

DESIGN DEVELOP PLAN CHECK BIDDING CONSTRUCTION CLARIFICATION RECORD

Date: 4/13/20
Scale: 1/4" = 1'-0"
Drawn: J.M.
No: 1218
Sheet: M-5
Of 23 Sheets

A.I.M. ENGINEERING
COMMERCIAL and RESIDENTIAL
• HVAC Design
• Plumbing Design
• Title 24 Compliance
• Electrical Energy Analysis

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