



NORTH   FIRST
1/4" = 1'-0"

FIRST FLOOR PLAN - FIRE PROTECTION



SCALE : 1/4" = 1'-0"

1 REMOTE FIRE DEPARTMENT CONNECTION.

2 4" WATER LINE SHALL CONTINUE APPROXIMATELY 80 FEET, TAPPING INTO 8" WATER LINE ON NORTHEAST CORNER OF THE BUILDING. WATER LINE SHALL BE TAPPED, INSTALLING A NEW FIRE HYDRANT. HYDRANT SHALL BE INSTALLED PER CITY'S REQUIREMENTS AND APPLICABLE CODES, PROVIDING ALL NECESSARY VALVES AND METERS.

JONESBORO MUNICIPAL AIRPORT ARFF REPLACEMENT

LINDBURG DRIVE, JONESBORO, AR 72401

[illegible]

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CONSTRUCTION DOCUMENTS

PROJECT NO. _____

2034

PROJECT NAME

ARFF
REPLACEMENT

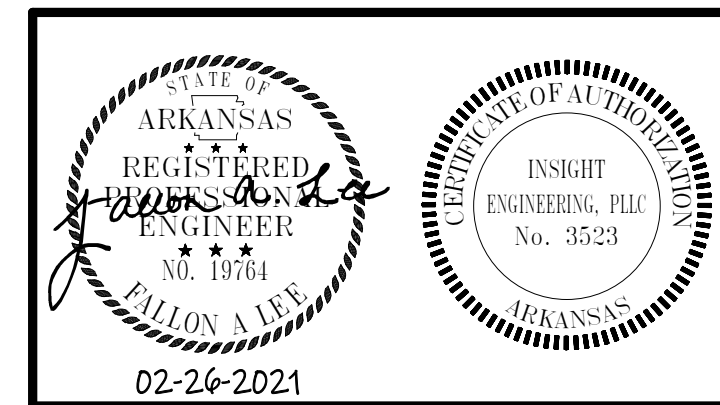
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FIRST FLOOR PLAN -
FIRE PROTECTION

SHEET NUMBER

FP101



HEAT PUMP AIR HANDLERS						ELECTRIC HEATING COIL			HEATING					ELECTRICAL					
DESIGNATION	REFERENCE PRODUCT	TYPE	AIR FLOW RATE (CFM)	EXTERNAL PRESSURE (IN. WATER)	FILTER TYPE	TEMP RISE (DEGREE F)	ELECTRICAL INPUT (KW)	NUMBER OF STAGES	UNIT CAPACITY (MBH)	TOTAL CAPACITY (MBH)	FAN SPEED	AIR EDB (DEGREE F)	AIR LDB (DEGREE F)	VOLTS	PHASE	FAN MOTOR (HP)	MINIMUM CIRCUIT AMPS	MAX OVERLOAD AMPS	REMARKS
AHU-1	TRANE: TEM4A0B36S31	VERTICAL	1200	0.5	MERV 8	23	7.7	1	36	22.4	1075	70	88	230	1	0.5	43	45	PROVIDE WALL MOUNTED THERMOSTAT AND MERV 8 FILTER. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
AHU-2	TRANE: TEM4A0B36S32	VERTICAL	1200	0.5	MERV 8	23	7.7	1	36	22.4	1075	70	88	230	1	0.5	43	45	PROVIDE WALL MOUNTED THERMOSTAT AND MERV 8 FILTER. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
AHU-3	TRANE: TEM4A0B36S33	VERTICAL	1200	0.5	MERV 8	23	7.7	1	36	22.4	1075	70	88	230	1	0.5	43	45	PROVIDE WALL MOUNTED THERMOSTAT AND MERV 8 FILTER. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
AHU-4	TRANE: TEM4A0B36S34	VERTICAL	1200	0.5	MERV 8	23	7.7	1	36	22.4	1075	70	88	230	1	0.5	43	45	PROVIDE WALL MOUNTED THERMOSTAT AND MERV 8 FILTER. INSTALL PER MANUFACTURER'S INSTRUCTIONS.

HEAT PUMP CONDENSING UNITS		COOLING							HEATING			ELECTRICAL					
DESIGNATION	REFERENCE PRODUCT	REFRIGERANT TYPE	TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	AIR EDB / EWB (DEGREE F)	AIR LDB / LWB (DEGREE F)	AMBIENT AIR TEMPERATURE (DEGREE F)	MINIMUM SEER	SENSIBLE CAPACITY (MBH)	AMBIENT AIR TEMPERATURE (DEGREE F)	MINIMUM COP	VOLTS	PHASE	COMPRESSOR LOAD AMPS	FAN MOTOR (HP)	MINIMUM CIRCUIT AMPS	REMARKS
HP-1	TRANE: 4TWR4036G1	R-410A	34.3	21.7	78.0 / 67.0	58.7 / 56.3	95	14	22.2	17	2.3	208	1	14.1	0.2	19	PROVIDE HAIL GUARDS ON CONDENSING UNIT. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
HP-2	TRANE: 4TWR4036G2	R-410A	34.3	21.7	78.0 / 67.1	58.7 / 56.4	95	14	22.2	17	2.3	208	1	14.1	0.2	19	PROVIDE HAIL GUARDS ON CONDENSING UNIT. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
HP-3	TRANE: 4TWR4036G3	R-410A	34.3	21.7	78.0 / 67.2	58.7 / 56.5	95	14	22.2	17	2.3	208	1	14.1	0.2	19	PROVIDE HAIL GUARDS ON CONDENSING UNIT. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
HP-4	TRANE: 4TWR4036G4	R-410A	34.3	21.7	78.0 / 67.3	58.7 / 56.6	95	14	22.2	17	2.3	208	1	14.1	0.2	19	PROVIDE HAIL GUARDS ON CONDENSING UNIT. INSTALL PER MANUFACTURER'S INSTRUCTIONS.

VEHICLE EXHAUST SYSTEM											
DESIGNATION	REFERENCE PRODUCT	TYPE	SERVES	AIR FLOW RATE (CFM)	HOSE DIAMETER	DRIVE	WEIGHT (LBS)	ELECTRICAL			REMARKS
								MHP	VOLTS	PHASE	
VE-1	MONOXIVENT-9000-W	SPRING HOSE REEL W/ MOUNTED FAN	GARAGE	600	6"	DIRECT	75	1.5	120	1	PROVIDE SERIES 4000 HOSE WITH SPRING HOSE REEL, STAINLESS STEEL 6" CONE ADAPTOR, VISE GRIP, D SERIES BLOWER W/ FLANGES, SWITCH FOR ON/OFF, PULL DOWN ROPE HANDLE, WORM GEAR CLAMP, INSTALL PER MANUFACTURERS
VE-2	MONOXIVENT-9000-W	SPRING HOSE REEL W/ MOUNTED FAN	GARAGE	600	6"	DIRECT	75	1.5	120	1	PROVIDE SERIES 4000 HOSE WITH SPRING HOSE REEL, STAINLESS STEEL 6" CONE ADAPTOR, VISE GRIP, D SERIES BLOWER W/ FLANGES, SWITCH FOR ON/OFF, PULL DOWN ROPE HANDLE, WORM GEAR CLAMP, INSTALL PER MANUFACTURERS
VE-3	MONOXIVENT-9000-W	SPRING HOSE REEL W/ MOUNTED FAN	GARAGE	600	6"	DIRECT	75	1.5	120	1	PROVIDE SERIES 4000 HOSE WITH SPRING HOSE REEL, STAINLESS STEEL 6" CONE ADAPTOR, VISE GRIP, D SERIES BLOWER W/ FLANGES, SWITCH FOR ON/OFF, PULL DOWN ROPE HANDLE, WORM GEAR CLAMP, INSTALL PER MANUFACTURERS
VE-4	MONOXIVENT-9000-W	SPRING HOSE REEL W/ MOUNTED FAN	GARAGE	600	6"	DIRECT	75	1.5	120	1	PROVIDE SERIES 4000 HOSE WITH SPRING HOSE REEL, STAINLESS STEEL 6" CONE ADAPTOR, VISE GRIP, D SERIES BLOWER W/ FLANGES, SWITCH FOR ON/OFF, PULL DOWN ROPE HANDLE, WORM GEAR CLAMP, INSTALL PER MANUFACTURERS

EXHAUST FANS													
DESIGNATION	REFERENCE PRODUCT	TYPE	SERVES	AIR FLOW RATE (CFM)	TOTAL STATIC PRESSURE (IN. WATER)	ROTATION (RPM)	DRIVE	SONES	MOTOR SIZE		ELECTRICAL		REMARKS
									BHP	MHP	VOLTS	PHASE	
EF-1	GREENHECK SQ-70-VG	INLINE	TLT 112	50	0.05	600	DIRECT	0.3	0.1	1/15	120	1	INTERLOCK FAN WITH LIGHTSWITCH. INSTALL PER MANUFACTURER'S INSTRUCTIONS
EF-2	GREENHECK SQ-70-VG	INLINE	TLT 111	50	0.05	600	DIRECT	0.3	0.1	1/15	120	1	INTERLOCK FAN WITH LIGHTSWITCH. INSTALL PER MANUFACTURER'S INSTRUCTIONS
EF-3	GREENHECK SPB70	CEILING	TLT 204	50	0.1	675	DIRECT	0.5	0.1	17 WATTS	120	1	INTERLOCK FAN WITH LIGHTSWITCH. INSTALL PER MANUFACTURER'S INSTRUCTIONS
EF-4	GREENHECK SPB70	CEILING	TLT 203	50	0.1	675	DIRECT	0.5	0.1	17 WATTS	120	1	INTERLOCK FAN WITH LIGHTSWITCH. INSTALL PER MANUFACTURER'S INSTRUCTIONS
EF-5	GREENHECK SE1-18-429-VG	WALL MOUNTED	GARAGE 115	2,800	0.25	1250	DIRECT	10.5	0.29	3/4	120	1	FAN SHALL BE INTERLOCKED WITH LOUVERS. PROVIDE WALL COLLAR AND BIRD SCREEN. INSTALL PER MANUFACTURER'S INSTRUCTIONS. PROVIDE MOTOR STARTER AND ELECTRICAL DISCONNECT.

AIR DEVICES									
DESIGNATION	REFERENCE PRODUCT	CONFIGURATION	MAXIMUM AIRFLOW (CFM)	TOTAL PRESSURE (IN. WATER)	NECK SIZE (IN.)	PANEL SIZE (IN.)	MAX. N.C.	FINISH	REMARKS
A	TITUS: OMNI AA	LAY-IN PLAQUE	225	0.099	6	24 x 24	30	WHITE	
B	TITUS: OMNI AA	LAY-IN PLAQUE	350	0.112	8	24 x 24	30	WHITE	
C	TITUS: OMNI AA	LAY-IN PLAQUE	550	0.168	10	24 x 24	30	WHITE	
D	TITUS: OMNI AA	LAY-IN PLAQUE	700	0.191	12	24 x 24	30	WHITE	
E	TITUS: 350	LINEAR SIDEWALL	300	0.022	10 x 10	12 x 12	30	WHITE	
F	TITUS: 350	LINEAR SIDEWALL	200	0.022	10 x 6	12 x 8	30	WHITE	
1	TITUS: 350RL	LINEAR SIDEWALL	1275	0.022	20 x 20	22 X 22	30	WHITE	
2	TITUS: 50F	LAY-IN EGGRATE	1650	0.095	18 x 18	24 x 24	30	WHITE	1/2" x 1/2" x 1/2" ALUMINUM CORE. PROVIDE FILTER.
3	TITUS: 50F	LAY-IN EGGRATE	875	0.022	12 x 12 or 12"	24 x 24	30	WHITE	1/2" x 1/2" x 1/2" ALUMINUM CORE. PROVIDE FILTER. USE SRG ADAPTER WHERE ROUND NECK SIZE IS INDICATED ON PLANS
4	TITUS: 50F	LAY-IN EGGRATE	100	0.095	6"	24 x 24	30	WHITE	1/2" x 1/2" x 1/2" ALUMINUM CORE. PROVIDE FILTER. USE SRG ADAPTER WHERE ROUND NECK SIZE IS INDICATED ON PLANS

UNIT HEATERS - ELECTRIC										
DESIGNATION	REFERENCE PRODUCT	SERVES	HEATING CAPACITY (KW)	HEATING CAPACITY (MBH)	AIR FLOW RATE (CFM)	TEMP RISE (DEGREE F)	MOTOR SIZE (MHP)	ELECTRICAL		REMARKS
								VOLTS	PHASE	
UH-1	REZNOR: EGB85	SHOP	5	17.1	310	51	1/50	230	1	INSTALL PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE WALL MOUNTED THERMOSTAT AND MOUNTING BRACKET.
UH-2	REZNOR: EGB10	GARAGE	10	34.1	625	51	1/33	230	1	INSTALL PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE WALL MOUNTED THERMOSTAT AND MOUNTING BRACKET.
UH-3	REZNOR: EGB10	GARAGE	10	34.1	625	51	1/33	230	1	INSTALL PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE WALL MOUNTED THERMOSTAT AND MOUNTING BRACKET.
UH-4	REZNOR: EHC3	STAIRS	3	10.2	160	60	20 AMPS	230	1	INSTALL PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE INTEGRAL THERMOSTAT, AND WHITE RECESSED CABINET.

LOUVERS									
DESIGNATION	REFERENCE PRODUCT	TYPE	WIDTH (INCHES)	HEIGHT (INCHES)	DEPTH (INCHES)	MAXIMUM AIR FLOW (CFM)	PRESSURE DROP (IN. WATER)	FINISH	REMARKS
L-1	GREENHECK EAD-635	COMBINATION LOUVER/DAMPER	44	32	6	2800	0.033	ALUMINUM	PROVIDE MANUFACTURER'S BIRD AND INSECT SCREEN. PAINT TO MATCH ADJACENT SURFACE.
L-2,3	GREENHECK EAD-635	COMBINATION LOUVER/DAMPER	20	32	6	1200	0.033	ALUMINUM	PROVIDE MANUFACTURER'S BIRD AND INSECT SCREEN. PAINT TO MATCH ADJACENT SURFACE.
L-4	GREENHECK ESD-635	STATIONARY INTAKE	14	12	6	150	0.038	ALUMINUM	PROVIDE MANUFACTURER'S BIRD AND INSECT SCREEN. PAINT TO MATCH ADJACENT SURFACE.
L-5	GREENHECK ESD-635	STATIONARY EXHAUST	14	12	6	150	0.038	ALUMINUM	PROVIDE MANUFACTURER'S BIRD AND INSECT SCREEN. PAINT TO MATCH ADJACENT SURFACE.
L-6	GREENHECK ESD-635	STATIONARY INTAKE	20	18	6	450	0.042	ALUMINUM	PROVIDE MANUFACTURER'S BIRD AND INSECT SCREEN. PAINT TO MATCH ADJACENT SURFACE.