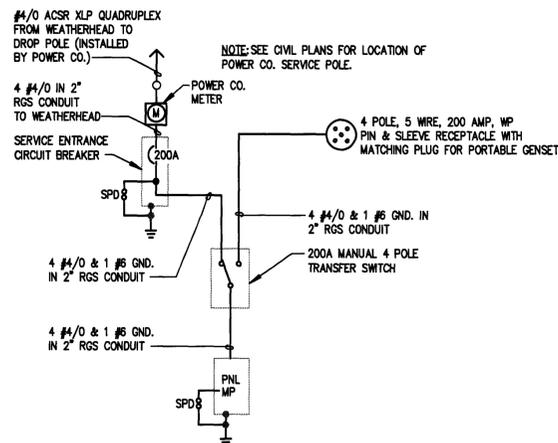


**ELECTRICAL FLOOR PLAN -**  
SCALE: 1/4" = 1'-0"

LIGHTING FIXTURE SCHEDULE				
TYPE	MOUNTING	LAMP	DESCRIPTION	REMARKS
A	SURFACE	2-F32T8	LITHONIA LB232120GE	
B	WALL	1-CF-42VTRT	LITHONIA TWA42TRTHVOLTPE	MOUNT @ 7'-0"



**POWER ONE-LINE DIAGRAM**  
SCHEMATIC

MGT. HGT	SYMBOL	DESCRIPTION
AS INDICATED	○ A	FLUORESCENT LIGHTING FIXTURE, LETTER DENOTES TYPE
	▨	FLUORESCENT LIGHTING FIXTURE WITH INTEGRAL BATTERY UNIT
7'-6"	○	INCANDESCENT, FLUORESCENT, OR HID LIGHTING FIXTURE, WALL MOUNTED
	⊙	EXIT LIGHT, WALL MOUNTED, SHADED SIDE INDICATES FACE SIDE OF EXIT. PROVIDE ARROWS AS SHOWN ON DRAWINGS.
18"	⊙	JUNCTION BOX
18"	⊕	RECEPTACLE, SPECIAL 250V, NEMA 6-20R
18"	⊕	RECEPTACLE, DUPLEX GROUNDED
18"	⊕	RECEPTACLE, DUPLEX GROUNDED, GFCI
18"	⊕	RECEPTACLE, DUPLEX GROUNDED, GFCI WITH WEATHERPROOF COVER
18"	⊕	TELEPHONE OUTLET, WALL MOUNTED
48"	S	SWITCH, SINGLE POLE
48"	S <sub>3</sub>	SWITCH, THREE WAY
48"	S	MANUAL MOTOR STARTER
48"	S	SWITCH, SINGLE POLE, PILOT LIGHT TYPE
5'-0"	NFSS/3/30	SAFETY SWITCH - NON-FUSIBLE NFSS/3/30 -AMP RATING -POLES NON-FUSIBLE SAFETY SWITCH
	⊙	MOTOR CONNECTION
	⊕	GROUND ROD
6'-6" TDP	▬	PANELBOARD, 208/120 VOLT
	▬	CONDUIT CONCEALED IN CEILING OR WALL
	▬	CONDUIT CONCEALED IN FLOOR
	▬	CONDUIT EXPOSED
	▬	CONTROL OR SWITCH LEG
	▬	HOMERUN TO PANEL BOARD, NUMBER OF ARROWHEADS INDICATES NUMBER OF CIRCUITS
	▬	CONDUIT TURNED DOWN

**GENERAL NOTES:**

- ALL CIRCUITS TO FLUORESCENT FIXTURES SHALL HAVE A DEDICATED NEUTRAL CONDUCTOR. WHERE CIRCUITS ARE COMBINED IN A SINGLE CONDUIT, PROVIDE A FULL SIZE NEUTRAL CONDUCTOR FOR EACH CIRCUIT. WHERE CIRCUITS ARE COMBINED, CONDUCTORS SHALL BE DERATED PER THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE.
- ALL DEDICATED CIRCUITS SHALL BE RUN IN SEPARATE CONDUITS. HAVE AN INSULATED GROUND CONDUCTOR AND AN INSULATED NEUTRAL CONDUCTOR IN THE CONDUIT WITH THE PHASE CONDUCTORS. CONNECT NO OUTLETS OTHER THAN THOSE INDICATED TO THE CIRCUIT. UP TO THREE DEDICATED CIRCUITS MAY BE COMBINED. EACH CIRCUIT SHALL HAVE ITS OWN GROUND AND NEUTRAL CONDUCTOR.
- PROVIDE DISCONNECTING MEANS FOR ALL FRACTIONAL HORSEPOWER, 120 VOLT MECHANICAL MOTORS. DISCONNECT SHALL BE A HP RATED MOTOR PROTECTOR SWITCH MOUNTED ON OR NEAR EQUIPMENT.
- BOND GROUNDING CONDUCTOR AND NEUTRAL ONLY AT THE SERVICE ENTRANCE MAIN CIRCUIT BREAKER.
- PROVIDE GROUNDING IN ACCORDANCE WITH THE N.E.C. TO GROUND RODS AND DOMESTIC WATER LINE.

**HVAC LEGEND**

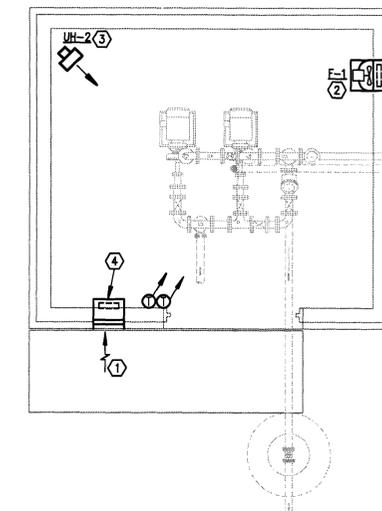
CAPACITY CONTROL SWITCH	CAP	S
CUBIC FEET PER MINUTE	CFM	F
DEGREES FAHRENHEIT	F	
DOOR UNDERCUT	UC	
HORSEPOWER	HP	
INCH	IN	
KILOWATT	KW	
MOTOR OPERATED DAMPER	MOD	⊕
THERMOSTAT	T'STAT	⊕

**GENERAL NOTES:**

- ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTRUCTIONS.
- CONTRACTOR SHALL SEAL AND FLASH ALL PENETRATIONS IN WALLS.
- VERIFY WALL OPENINGS WITH STRUCTURE.
- VERIFY THE LOCATION OF THERMOSTATS AND SWITCH WITH THE OWNER PRIOR TO ROUGH-IN.
- REFER TO ARCHITECTURAL AND ELECTRICAL DRAWINGS TO COORDINATE THE EXACT LOCATIONS OF MECHANICAL EQUIPMENT WITH LIGHTS, BEAMS AND OTHER BUILDING COMPONENTS.
- CONTRACTOR SHALL PROVIDE ALL SUPPORTS REQUIRED TO MOUNT MECHANICAL EQUIPMENT.

**PLAN NOTES:**

- 18 X 18 LOUVER, GREENHECK MODEL ESJ-201 WITH FLANGED FRAME, WITH MOTORIZED DAMPER (F-1). MOUNT LOUVER AS HIGH AS POSSIBLE.
- INSTALL FAN AS HIGH AS POSSIBLE.
- INSTALL UH AS HIGH AS POSSIBLE. COORDINATE WITH EQUIPMENT AND LIGHTS. PROVIDE MOUNTING HARDWARE AS REQUIRED.
- COVER OPENING WITH 1/2" WIRE MESH.



**MECHANICAL FLOOR PLAN -**  
SCALE: 1/4" = 1'-0"

**EQUIPMENT NOTES**

FANS: GREENHECK OR EQUAL

MARK	CAP	S.P.	HP/	VOLTAGE	SONES	TYPE	MODEL
	CFM	IN.	AMES	& PHASE			
F-1	700	0.30	1/8	120V-1PH	7.5	DD,P	S1-16-436-C8*

\* FAN SHALL BE COMPLETE WITH MOTOR SIDE GUARD, WALL HOUSING, MOTORIZED DAMPER AND WEATHER HOOD.

FAN TYPE: P PROPELLER  
DD DIRECT DRIVE

UNIT HEATERS: Q-MARK OR EQUAL

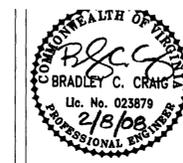
MARK	WATTS	CFM	VOLTAGE	MODEL NO.
			& PHASE	
UH-1	3000	350	208V-1PH	MUH03-81

NOTE: PROVIDE WALL MOUNTED THERMOSTATS AND MOUNTING HARDWARE.

**SEQUENCE OF CONTROL**

EXHAUST FANS:  
F-1 SHALL BE CONTROLLED BY A WALL-MOUNTED THERMOSTAT. WHEN THE FAN IS ENERGIZED, THE MOTORIZED DAMPER SHALL OPEN. WHEN THE FAN IS DE-ENERGIZED, THE DAMPER SHALL BE CLOSED.

UNIT HEATERS:  
EACH UNIT SHALL BE CONTROLLED BY A WALL MOUNTED THERMOSTAT.



Date	Revisions

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Designed By:	GWY
Checked By:	GWY
Date:	01-02-08

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FALLING CREEK WATER IMPROVEMENTS  
**PUMP STATION - PLANS, SCHEDULES -  
MECHANICAL & ELECTRICAL**  
TOWN OF VINTON, VIRGINIA

Vertical Scale:

Horizontal Scale:

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