

FAN (F) SCHEDULE												
TAG	LOCATION	MODEL	MANUFACTURER	AIRFLOW (CFM)	SONES	FAN DATA				ELECTRICAL		NOTES
						ESP (IN WG)	DRIVE	MOTOR RPM	HP	VOLTAGE	PHASE	
F-1PH	PUMP HOUSE	120SQN-D	LOREN COOK	587	1.9	.13	DIRECT	1050	1/33	120	1	1,2,3

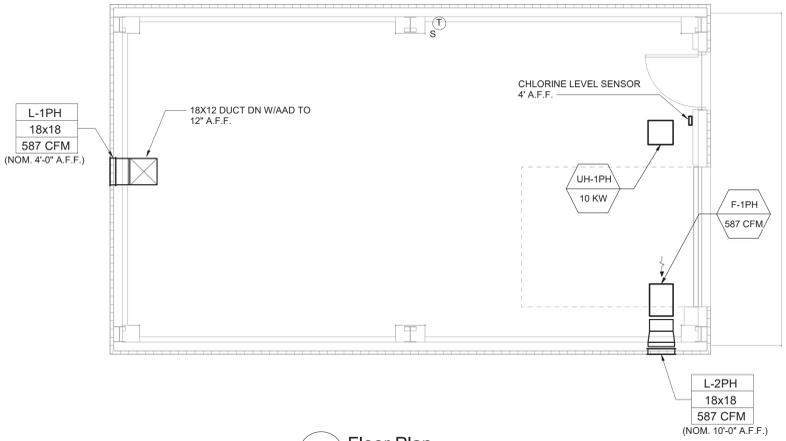
- NOTES:
1. PROVIDE MANUFACTURER'S STANDARD DISCONNECT SWITCH.
  2. PROVIDE MANUFACTURER'S STANDARD INLET SCREEN.
  3. PROVIDE MANUFACTURER'S RECOMMENDED FAN VARIABLE SPEED CONTROLLER.

UNIT HEATER (UH) SCHEDULE												
TAG	LOCATION	MODEL	MANUFACTURER	NOM. MOUNTING HEIGHT (FT.)	AIRSIDE DATA			CAPACITY		ELECTRICAL		NOTES
					EAT (°F)	LAT (°F)	AIRFLOW (CFM)	INPUT (MBH)	OUTPUT (MBH)	MCA	VOLTAGE	
UH-1PH	PUMP HOUSE	EGHB-10AK2	REZNOR	10	60	107.0	700	10KW	40	208	1	1,2

- NOTES:
1. PROVIDE FACTORY FURNISHED DISCONNECT SWITCH.
  2. PROVIDE FACTORY FURNISHED MOUNTING HANGER BRACKET.

LOUVER (L) SCHEDULE												
TAG	SERVES	MODEL	TYPE	WIDTH (IN)	HEIGHT (IN)	DEPTH (IN)	FREE AREA (S.F.)	AIRFLOW	VELOCITY (FPM)	MAX APD (IN WG)	NOTES	
												L-1PH
L-2PH	PUMP HOUSE	ELF375DXH	INTAKE	18	18	4	.91	587 CFM	645	.085	1,2,3	

- NOTES:
1. DESIGN MAKE: RUSKIN
  2. PROVIDE WITH ALUMINUM INSECT SCREEN.
  3. ANODIZED FINISH. SUBMIT MANUFACTURER'S COLOR CHART FOR APPROVAL BY ARCHITECT.



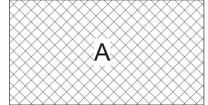
1 Floor Plan  
1/4" = 1'-0"

**GENERAL NOTES:**

1. THE FOLLOWING GENERAL NOTES APPLY TO ALL "HM" SERIES DRAWINGS.
2. REFER TO ALL CONTRACT DOCUMENTS, DRAWINGS AND SPECIFICATIONS, FOR DETAILED STANDARDS AND REQUIREMENTS.
3. REPORT UNSAFE OR UNSATISFACTORY CONDITIONS IN WRITING TO OWNER AND ENGINEER AND RESOLVE ISSUES BEFORE PROCEEDING.
4. WORK INCLUDES ALL LABOR AND MATERIALS REQUIRED TO PROVIDE COMPLETE WORKING SYSTEMS.
5. COORDINATE PHASING REQUIREMENTS AT JOB MEETINGS AND ON WORK SCHEDULES.
6. DO NOT SCALE DRAWINGS. PIPING AND DUCTWORK ARE SHOWN DIAGRAMMATICALLY. IT IS NOT POSSIBLE TO SHOW EVERY TRANSITION, FITTING, ASPECT RATIO CHANGE, ETC. PROVIDE AS REQUIRED TO FIT WITHIN STRUCTURAL CONSTRAINTS. EXAMINE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED AND VERIFY ALL ACCESS, LOCATIONS, DIMENSIONS, ARRANGEMENTS, ELECTRICAL CHARACTERISTICS AND INTERFERENCE IN THE FIELD PRIOR TO BID.
7. VERIFY EXTENT OF CEILING WORK SHOWN ELSEWHERE IN THE CONTRACT DOCUMENTS. PROVIDE FOR ADDITIONAL CEILING SYSTEM REMOVAL, PROTECTION, AND REINSTALLATION AS REQUIRED FOR CONTRACT WORK.
8. IF UNANTICIPATED MECHANICAL, ELECTRICAL, OR STRUCTURAL CONFLICTS ARE ENCOUNTERED, INVESTIGATE AND REPORT BOTH NATURE AND EXTENT OF THE CONFLICT. RE-ROUTE WORK AS REQUIRED.
9. CUT, DRILL, OR OTHERWISE CREATE OPENINGS AS NEATLY AS POSSIBLE. AS REQUIRED FOR THE INDICATED CONTRACT WORK, PROVIDE SUPPORT AS REQUIRED FOR AND USE METHODS LEAST LIKELY TO DAMAGE ELEMENTS TO REMAIN. PRIOR TO WORK, VERIFY LOCATIONS OF ALL STRUCTURAL MEMBERS INCLUDING CROSS BRACING, ELECTRICAL WIRING, PLUMBING, ETC. PROMPTLY NOTIFY ARCHITECT OF ANY CONFLICTS. DO NOT CUT ANY STRUCTURAL MEMBERS OR OTHER SERVICES UNLESS SPECIFICALLY DIRECTED TO DO SO. PENDING RECEIPT OF DIRECTIVE, REARRANGE SCHEDULE AS NECESSARY TO CONTINUE OVERALL JOB PROGRESS WITHOUT DELAY.
10. PATCH ALL DISTURBANCES RESULTING FROM DEMOLITION OR NEW WORK TO MATCH SURROUNDING SURFACES. PATCH FOLLOWING DEMOLITION, AND AGAIN FOLLOWING WORK, WHERE HOLES REMAIN FROM REMOVALS, INFILL AND PATCH TO MATCH UNLESS HOLES IS TO BE REUSED.
11. ALL EXCESS MATERIALS AND SCRAPS ARE CONTRACTOR'S PROPERTY. PROMPTLY REMOVE FROM SITE UNLESS SPECIFICALLY DIRECTED OTHERWISE.
12. BUILDING IS PRE-MANUFACTURED STEEL STRUCTURE. COORDINATE SIZES, LOCATIONS AND WEIGHTS OF EQUIPMENT AND LOUVERS. PROVIDE MOUNTING HARDWARE AS RECOMMENDED BY BUILDING MFR.

**CONTROL SEQUENCE:**

- GENERAL: PROVIDE A LOCAL BMS CONTROLLER WITH GRAPHIC USER INTERFACE (GUI) FOR OPERATOR MONITORING, SCHEDULING, ALARMS AND TEMPERATURE SETPOINT ADJUSTMENT. LOCATE CONTROLLER/GUI IN LOCATION APPROVED BY OWNER. PROVIDE A WIRELESS ROUTER FOR COMMUNICATION TO DISTRICT BMS SYSTEM.
1. UNIT HEATER: UPON A DROP IN SPACE TEMPERATURE, ENERGIZE UNIT HEATER TO MAINTAIN HEATING SETPOINT OF 58 DEG. F. (ADJ.)
  2. FAN F-1PH: THE FAN SHALL OPERATE CONTINUOUSLY AT HALF SPEED (293 CFM) INTAKE AND EXHAUST DAMPERS SHALL BE 100% OPEN. THE WALL MOUNTED CHLORINE SENSOR SHALL MONITOR CHLORINE LEVEL.
  3. FAN F-1PH ALARM CONDITION: IF CHLORINE SENSOR MONITORS MASS CONCENTRATION LEVEL OF 500 PPM, INCREASE THE FAN SPEED TO 100% UNTIL MASS CONCENTRATION LEVEL FALLS TO A MAXIMUM OF 250 PPM. (ADJ.)



Key Plan  
N.T.S.

S.E.D. Control No. 48-01-01-06-7-026-001

Rev. No.	Date	Description



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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

**BID SET**



Mahopac Central School District  
Mahopac, NY

New:  
Mahopac Pump House

Floor Plan, Schedules, Details and Controls

Drawn By: DPM/jjk	Date: 08/21/20	Drawing Number:
Project No.:	HM130	

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