

NOTES:

1. PROVIDE WITH AQUA-STAT AND SET TO 145 DEGREES. REFER TO THE INSTRUMENTATION AND PROCESS PLANS FOR MORE INFORMATION.
2. CIRCULATOR IS TO RUN ONLY WHEN THE BOILER IS ENABLED. REFER TO THE INSTRUMENTATION AND PROCESS PLANS FOR MORE INFORMATION.

NOTES:

1. TANK IS TO BE OPEN TO ATMOSPHERE AND NOT PRESSURIZED. PROVIDE WITH SPRAY-ON RIGID INSULATION TOP COAT. A MINIMUM OF 3 PIPING CONNECTIONS SHALL BE AVAILABLE ON THE TANK WITH A BULB WELL.

NOTES:

1. PUMP PACKAGE IS TO INCLUDE INTEGRAL SKID, HEADER, VARIABLE SPEED DRIVES W/ NEMA 4X ENCLOSURE. REFER TO SPECIFICATION SECTION 11215 AS WELL AS THE ELECTRICAL AND THE INSTRUMENTATION & PROCESS PLANS/SPECIFICATIONS FOR MORE INFORMATION.
2. MOTORS SHALL BE PROVIDED WITH SHAFT GROUNDING RINGS.

NOTES:

1. BOILER IS TO HAVE INTEGRAL CONTROLS. REFER TO THE ELECTRICAL AND THE INSTRUMENTATION AND PROCESS PLANS FOR MORE INFORMATION.

NOTES:

1. BLOWER PACKAGE IS TO INCLUDE INTEGRAL SKID, INTAKE AND EXHAUST SILENCERS, INTAKE FILTER, VARIABLE SPEED CONTROLLER & DRIVE. ENTIRE PACKAGE SHALL BE RATED FOR EXTERIOR USE. REFER TO THE ELECTRICAL AND THE INSTRUMENTATION AND PROCESS PLANS FOR MORE INFORMATION.
2. MOTOR AND ELECTRICAL COMPONENTS SHALL BE EXPLOSION PROOF.
3. ACCEPTABLE MANUFACTURERS ARE GARDNER DENVER, UNISON SOLUTIONS, INGERSOLL RAND, AND TUTHILL (BASIS OF DESIGN).

NOTES:

1. CHILLER IS A PART OF THE VAREC BIOGAS LANDFILL GAS (LFG) DRYER PACKAGE.

NOTES:


1. PACKAGED SYSTEM IS CUSTOM DESIGNED BY VAREC BIOGAS AND SHALL INCLUDE INTEGRAL SKID AND CONTROLS. REFER TO SPECIFICATION 15715 FOR MORE INFORMATION ON THIS UNIT. REFER TO THE INSTRUMENTATION AND PROCESS PLANS FOR MORE INFORMATION ON CONTROLS INTEGRATION TO THE SCADA SYSTEM.

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DRAWING SYMBOLS



DATE: APRIL, 2020	DRAWING NUMBER: P-01
MCE PROJ. # 1024-0173	SCALE HORIZONTAL: NA VERTICAL: NA
DRAWN JMB	
DESIGNED JMB/DNM	
CHECKED SN	
PROJ. MGR. MDN	STATUS: ISSUED FOR BID
REVISION:	

PLUMBING ABBREVIATIONS

A/E	ARCHITECT / ENGINEER	LWT	LEAVING WATER TEMPERATURE
AFF	ABOVE FINISH FLOOR	M	METER
AFG	ABOVE FINISH GRADE	NC	NORMALLY CLOSED
AG	AIR GAP	NIC	NOT IN CONTRACT
AP	ACCESS PANEL	NOM.	NOMINAL
ASME	AMERICAN SOCIETY MECHANICAL ENGINEERS	NTS	NOT TO SCALE
ASPE	AMERICAN SOCIETY PLUMBING ENGINEERS	OC	ON CENTER
		OD	OUTSIDE DIAMETER
B	BOILER	PDI	PLUMBING AND DRAINAGE INSTITUTE
CP	CIRCULATING PUMP	PRV	PRESSURE REDUCING VALVE
DN	DOWN	PSIG	POUNDS PER SQUARE INCH GAUGE
DWG	DRAWING		
EGT	ENTERING GAS TEMPERATURE	RHW	RECLAIM HOT WATER
EL	ELEVATION	RW	RECLAIM WATER
ET	EXPANSION TANK	RWR	RECLAIM WATER RETURN
EWS	EYE WASH STATION	SAN	SANITARY SEWER
EWT	ENTERING WATER TEMPERATURE	SCFH	STANDARD CUBIC FEET PER HOUR
EX	EXISTING	SCFM	STANDARD CUBIC FEET PER MINUTE
F	FAHRENHEIT		
FD	FLOOR DRAIN	SP GR	SPECIFIC GRAVITY
GAL	GALLON	SQFT	SQUARE FEET
GPH	GALLONS PER HOUR	SS	STAINLESS STEEL
GPM	GALLONS PER MINUTE	ST	STORAGE TANK
HD	HUB DRAIN	TD	TEMPERATURE DIFFERENCE
HP	HORSEPOWER	TEMP	TEMPERATURE
IPC	INTERNATIONAL PLUMBING CODE	TYP.	TYPICAL
		VTR	VENT THROUGH ROOF
LFG	LAND FILL GAS	W.G.	WATER GAUGE
LGT	LEAVING GAS TEMPERATURE	WHS	WASH HOSE STATION