

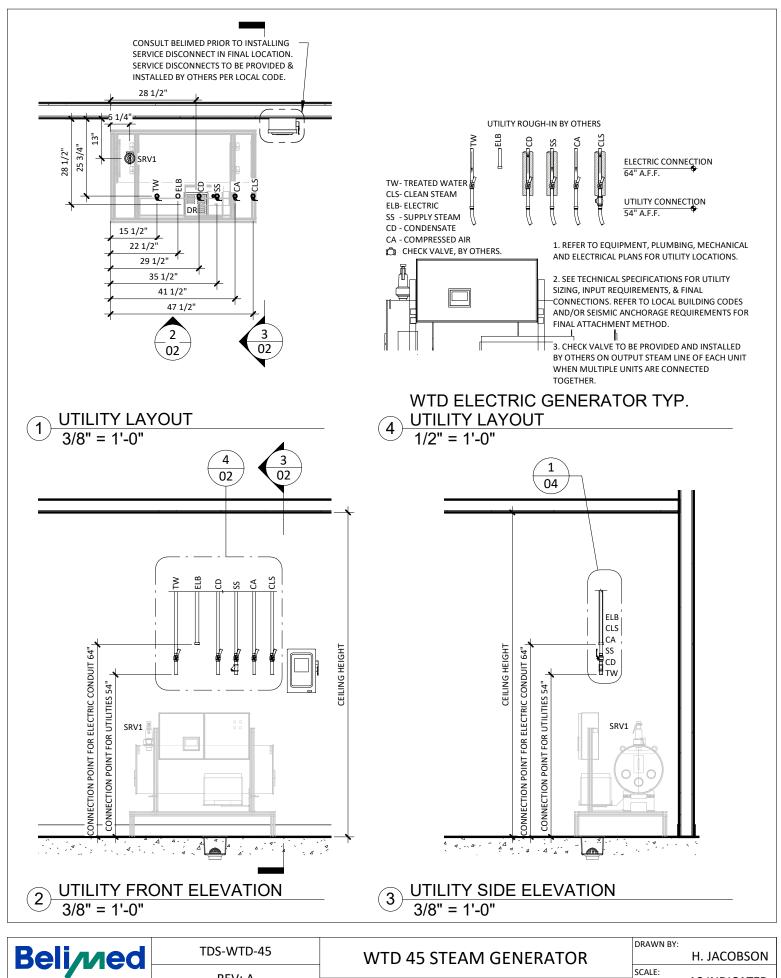
Beli/ued	7
Infection Control	
8351 PALMETTO COMMERCE PKWY SUITE 101 LADSON, SC 29456 TEL: (800) 457-4117 WWW.BELIMED.COM	

TDS-WTD-45	
REV: A	
3D VIEW	

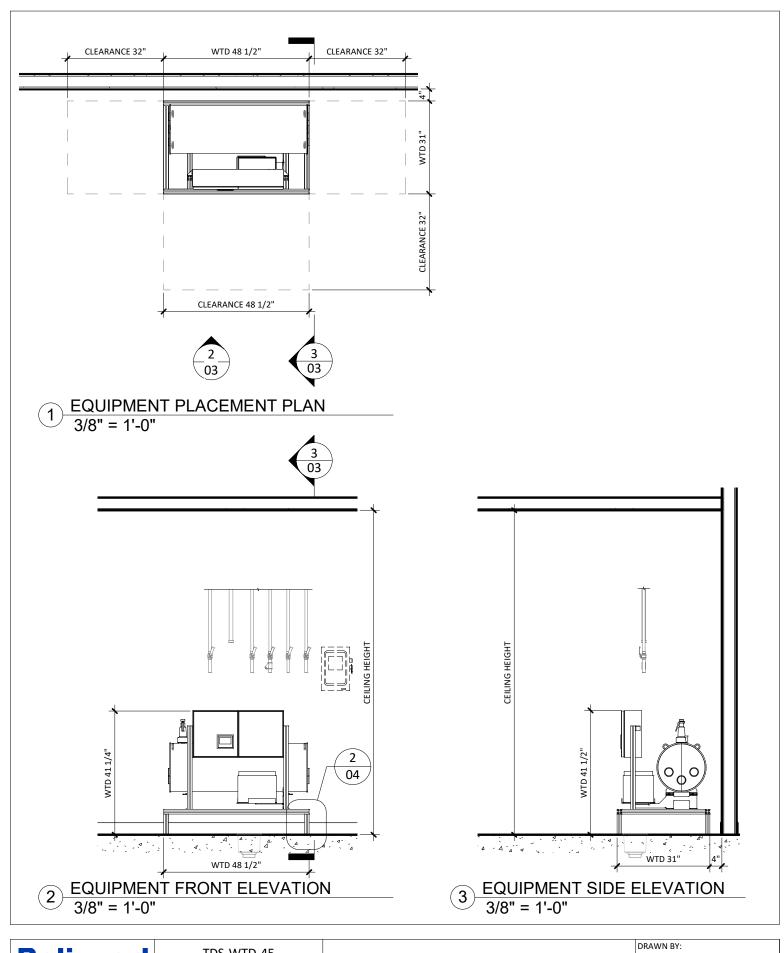
WTD 45 STEAM GENERATOR

TYPICAL INSTALLATION OF A WTD 45 STEAM TO STEAM GENERATOR

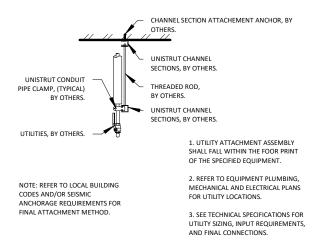
DRAWN BY:	
H.	JACOBSON
SCALE:	
	NONE
DATE: 05/02/23	PAGE:



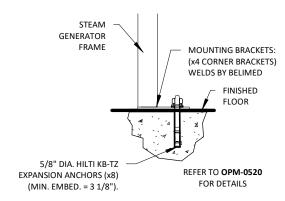
Beli/ued	TDS-WTD-45	WTD 45 STEAM GENERATOR	H.	JACOBSON
Infection Control	REV: A		SCALE: AS	INDICATED
8351 PALMETTO COMMERCE PKWY SUITE 101 LADSON, SC 29456 TEL: (800) 457-4117 WWW.BELIMED.COM	TECHNICAL DRAWING	TYPICAL SITE PREPARATION OF A WTD 45 STEAM TO STEAM GENERATOR	DATE: 05/02/23	PAGE: 02 OF 05



Beli _/ ued	TDS-WTD-45	WTD 45 STEAM GENERATOR	DRAWN BY:	JACOBSON
Infection Control	REV: A	TYPICAL EQUIPMENT LAYOUT OF A WTD 45 STEAM	SCALE:	3/8" = 1'-0"
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1 TYP. UTILITY ATTACHMENT - CEILING



2 45 WTD SEISMIC ANCHORING DETAIL 1" = 1'-0"

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TDS-WTD-45

REV: A

TECHNICAL DRAWING

WTD 45 STEAM GENERATOR

BELIMED EQUIPMENT TYPICAL DETAILS

DRAWN BY:
H. JACOBSON

SCALE:
AS INDICATED

DATE:
05/02/23
PAGE:
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WTD 45 STEAM GENERATOR - TECHNICAL SPECIFICATIONS **REQUIRED INPUTS** Final Utility Conn. By: Connection Value **Utility Notes** Symbol Description Method Others **Belimed** Utility: Steam Supply Steam must be dry, saturated, free from all Connection Size: ³/₄ in impurities such as gases, oil, dirt, or other SS Connection Type: **FNPT** contaminants. Provide adequate steam Hard Pipe Х Pressure: Min: 87.0 psig Max: 145.0 psig strainer. All steam drops must be piped **Operating Consumption:** 3.6 lbs/min - 9.1 lbs/min from top of steam supply line. **Treated Water** Utility: Connection Size: $^{1}/_{2}$ in For required water quality specifications, Connection Type: **FNPT** TW refer to Belimed document "MeTa Water Flex Х Pressure: Min: 30.0 psig Max: 70.0 psig Requirement EN-US" Operating Consumption: 1.8 gal/min **Operating Temperature:** Min: 41.0°F Max: 95.0°F Utility: Compressed Air Air must not contain any water in a liquid Connection Size: $^{1}/_{4}$ in form, must not contain any particles larger CA Connection Type: MNPT Flex X than 25 microns, and must not contain any Pressure: Min: 70.0 psig Max: 100.0 psig oil droplets larger than 2 microns. **Operating Consumption:** 4.1 cfm Utility: Electric Connection Size: $^{1}/_{2}$ in EMT $\frac{1}{2}$ in EMT Voltage (Nominal): 208 VAC 480 VAC Voltage (Phase): 3 Phase 3 Phase Service disconnect provided by others per EL Hard Wire Х Voltage (Frequency): 60 Hz 60 Hz local code. Circuit Protection: 20 Amps 15 Amps 7 Amps Current (Nominal): 13 Amps **Peak Consumption:** 2.6 kW 2.6 kW STEAM OUTPUT Utility: **Clean Steam Supply** Provide stainless steel piping routed from Connection Size: $1^{1}/_{4}$ in heat exchanger to equipment. Others are **CLS** Connection Type: Hard Pipe Х responsible for proper steam pipe Max: 50.0 psig Output Pressure: Min: 44.2 psig insulation. Stainless steel pipe is 1 1/4"Ø. Capacity: 2.7 lbs/min - 6.9 lbs/min **ESTIMATED EMISSIONS** Utility: Condensate Condensate removal by others, Connection Size: CD Hard Pipe Х 3/₄ in per local code. Connection Type: **FNPT** Utility: Open Drain Provide drain pipe leading from heat Connection Size: ³/₄ in FNPT exchanger to nearby drain. If there is no 3/4" Copper DR X Discharge/Flow Rate: 2.9 gal/min existing drain in the area, a new floor drain Pipe Connection Type: Indirect Drain with trap must be provided. Max. Discharge Temp.: 140°F Safety Relief Valve Utility: Provide connection to safety relief valve and Hard Pipe Connection Size: SRV1 $1^{1}/_{2}$ in pipe to drain, atmosphere, or as required by Χ w/ Union Connection Type: local code. MNPT Medium: **Heat Radiation** Radiation (Net): PHYSICAL SPECIFICATIONS Carry-In Dimensions¹ **Minimum Room Requirements** Parameter: Height: 47.24 in 49.3 in ¹Machine alone Width: 39.4 in 63.0 in (i.e. removed from packaging) Length: 66.9 in 99.6 in Parameter: Weights Transport Weight: 470.7 lbs Transport Weight = (Empty Pressure Vessel + Crating) Operating Weight: Operating Weight = (Pressure Vessel filled with Water) 634.0 lbs **HCAI NUMBER:** OPM-0520-13 Additional Information: MNPT = Male pipe thread Service valves for steam and water to be provided by others. All utility supplies and connections, including final connections from service valves to equipment, are to be provided by others, per local code. Check valve to be provided and installed by others on ouput steam line of each unit when multiple units are connected together. TS-WTD-45 RevA All Belimed Equipment must be on and active prior to space balancing. Ambient conditions must not exceed 104°F.

Beli/ued	TDS-WTD-45	WTD 45 STEAM GENERATOR BELIMED FOLUBMENT TECHNICAL SPECIFICATIONS	DRAWN BY:	. JACOBSON
Infection Control	REV: A		SCALE:	NONE
8351 PALMETTO COMMERCE PKWY SUITE 10: LADSON, SC 29456 TEL: (800) 457-4117 WWW.BELIMED.COM	TECHNICAL SPECIFICATIONS		DATE: 05/02/23	PAGE: 05 OF 05