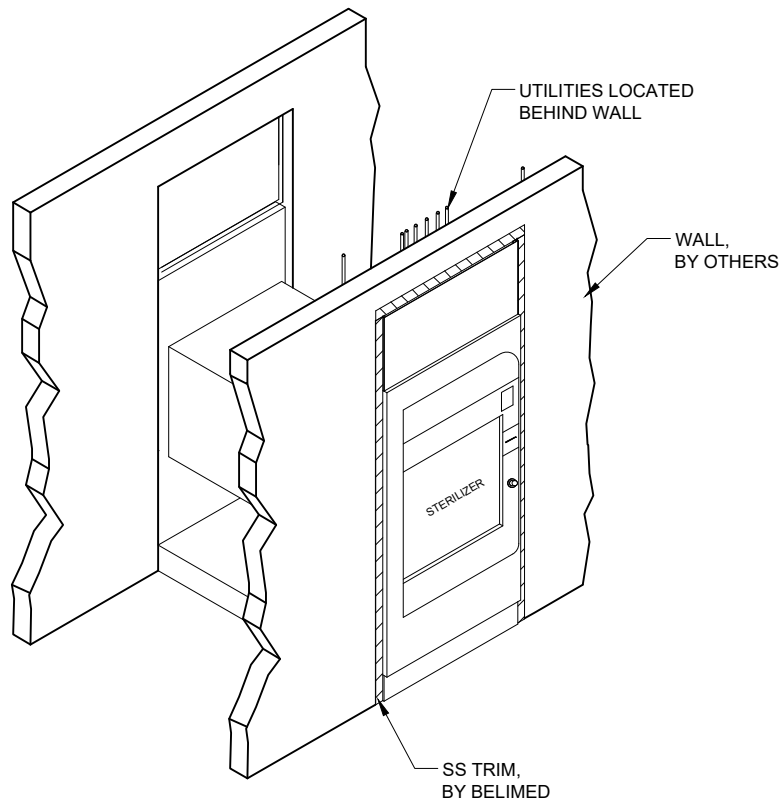
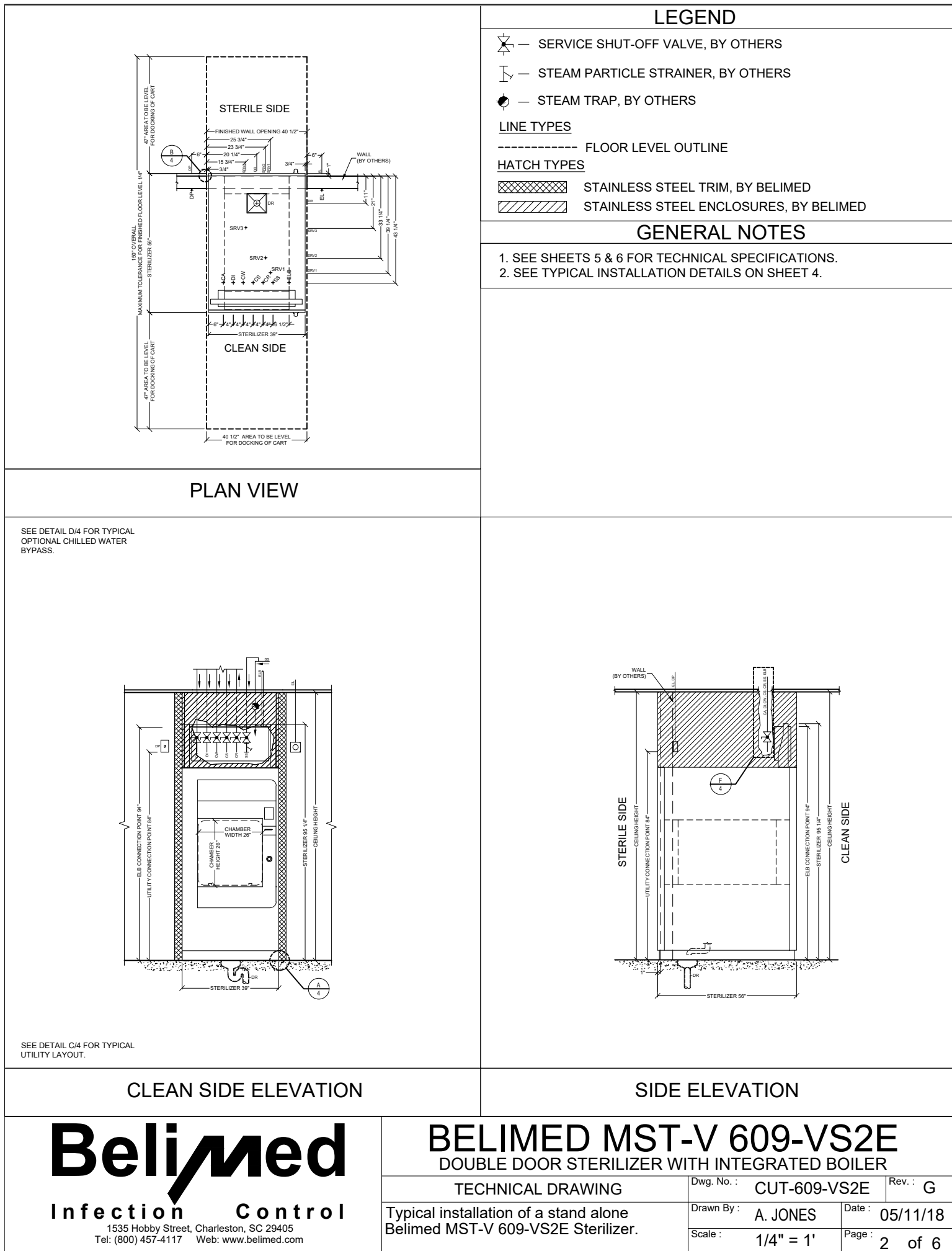
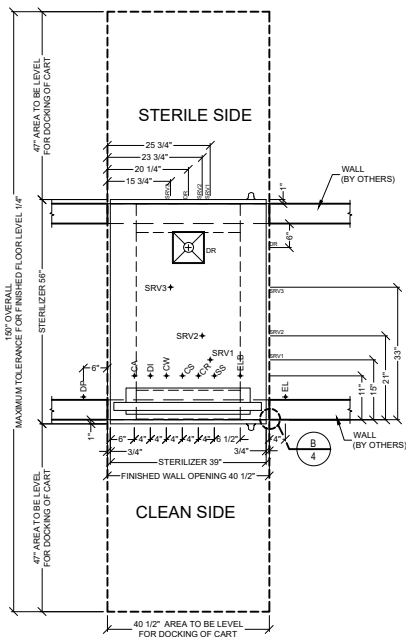


INSET UNIT



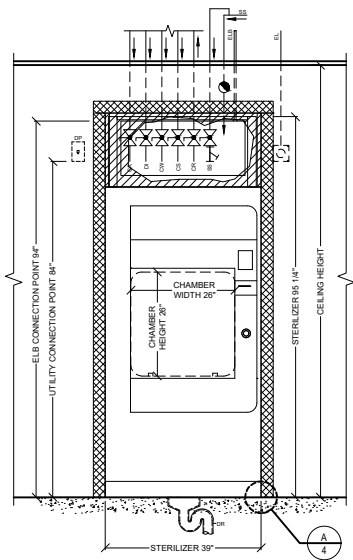
RECESSED UNIT





PLAN VIEW

SEE DETAIL D/4 FOR TYPICAL
OPTIONAL CHILLED WATER
BYPASS.



SEE DETAIL C/4 FOR TYPICAL
UTILITY LAYOUT.

CLEAN SIDE ELEVATION

LEGEND

- SERVICE SHUT-OFF VALVE, BY OTHERS
- STEAM PARTICLE STRAINER, BY OTHERS
- STEAM TRAP, BY OTHERS

LINE TYPES

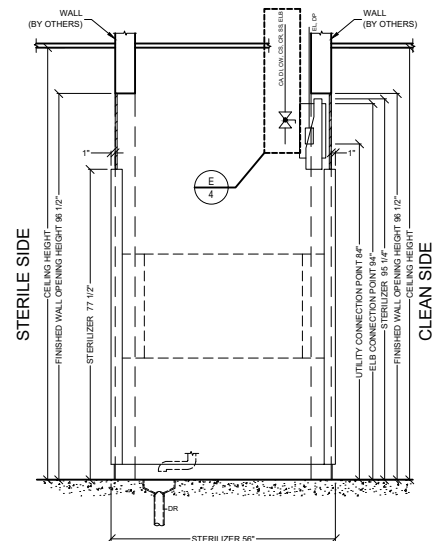
----- FLOOR LEVEL OUTLINE

HATCH TYPES

- STAINLESS STEEL TRIM, BY BELIMED
- STAINLESS STEEL ENCLOSURES, BY BELIMED

GENERAL NOTES

1. SEE SHEETS 5 & 6 FOR TECHNICAL SPECIFICATIONS.
2. SEE TYPICAL INSTALLATION DETAILS ON SHEET 4.



SIDE ELEVATION

Belimed
Infection Control

1535 Hobby Street, Charleston, SC 29405
Tel: (800) 457-4117 Web: www.belimed.com

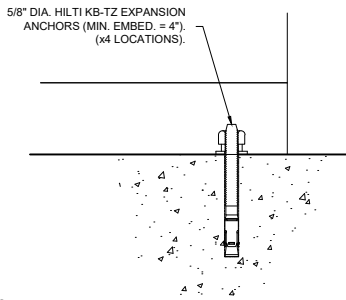
BELIMED MST-V 609-VS2E

DOUBLE DOOR STERILIZER WITH INTEGRATED BOILER

TECHNICAL DRAWING

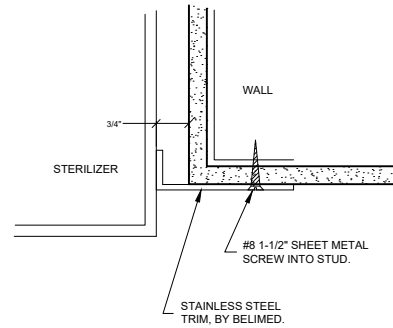
Typical installation of a recessed Belimed
MST-V 609-VS2E Sterilizer.

Dwg. No. :	CUT-609-VS2E	Rev. :	G
Drawn By :	A. JONES	Date :	05/11/18
Scale :	1/4" = 1'	Page :	3 of 6

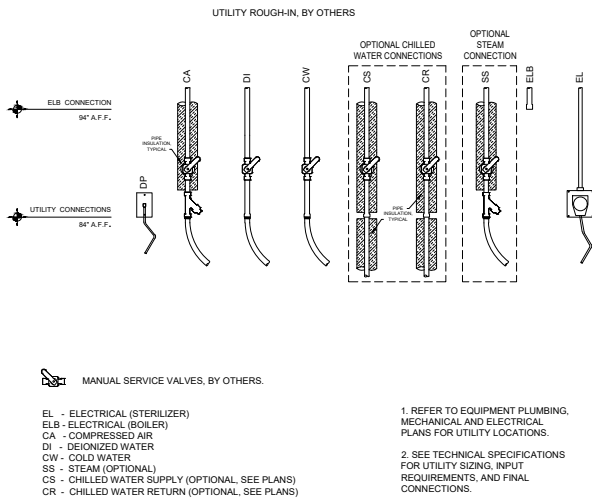


DETAIL FOR FOR REGIONS
REQUIRING SEISMIC ANCHORAGE.

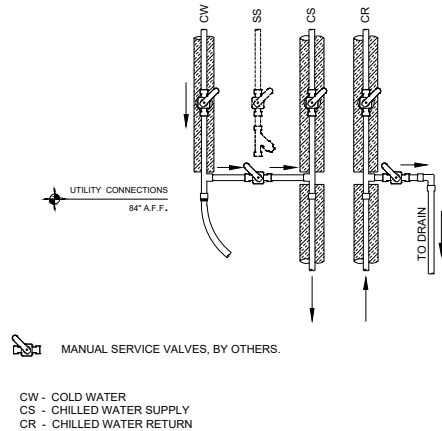
A TYP. SEISMIC ANCHORING DETAIL
VERTICAL SERIES STERILIZER
N.T.S.



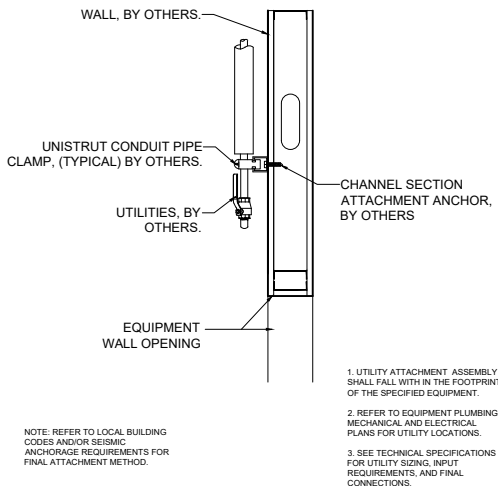
B TYP. TRIM ATTACHMENT DETAIL
VERTICAL SERIES STERILIZER
N.T.S.



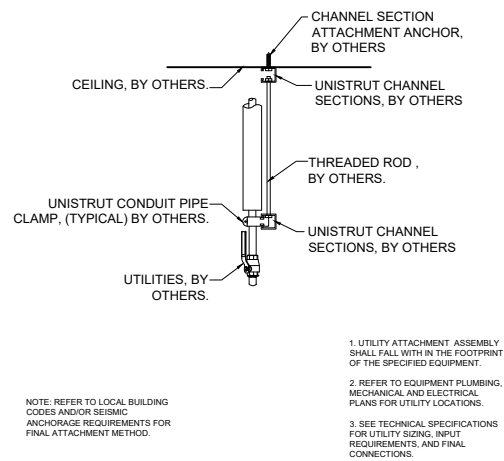
C TYPICAL UTILITY LAYOUT
VERTICAL STERILIZER - (ELECTRIC)
N.T.S.



D TYP. (OPTIONAL) BY PASS DETAIL
CHILLED WATER CONNECTION
N.T.S.



E RECOMMENDED TYPICAL WALL HUNG
UTILITY ATTACHMENT DETAIL (SIDE VIEW)
N.T.S.




F RECOMMENDED TYPICAL CEILING HUNG
UTILITY ATTACHMENT DETAIL (SIDE VIEW)
N.T.S.

MST-V 609VS2E STERILIZER (W/ INTEGRATED BOILER) - TECHNICAL SPECIFICATIONS						
REQUIRED INPUTS						
Symbol	Description	Value	Utility Notes	Connection Method	Final Utility Conn. By:	
					Others	Belimed
DI	Utility:	Deionized Water	Deionized water or RO water is used to produce pure steam with the integrated steam generator (boiler). Minimum Water Quality Specifications: Chlorides: < 2 ppm TDS: < 3.9 ppm Conductivity: between 1.0uS and 10.0uS	Flex		X
	Connection Size/Type:	1/2 inch / MNPT				
	Pressure:	Min: 30 Max: 70 psig				
	Peak Consumption:	0.43 gal/min				
CW	*Consumption per Load:	4 gal	Cold water is used to prime the condensate pump and cool the condensate. Optimal temperature is 60°F (incoming water temp must be 70°F or less). TDS to be < 400 ppm. Water should be softened to 0-60 ppm. Back flow prevention must be supplied by customer, as per local code.	Flex		X
	Utility:	Cold Water				
	Connection Size/Type:	1/2 inch / MNPT				
	Pressure:	Min: 30 Max: 70 psig				
CA	Peak Consumption:	4 gal/min	Air must be dry and oil free. Used to operate pneumatic control system.	Flex		X
	*Consumption per Load:	55 gal				
	Utility:	Compressed Air				
	Connection Size/Type:	1/4 inch / MNPT				
EL	Pressure:	Min: 70 Max: 100 psig	Junction Box with Receptacle. NEMA 15-20R to NEC local codes. Grainger part No. 5C793.	Receptacle		X
	Peak Consumption:	1 CFM				
	*Consumption per Load:	10 CF				
	Utility:	Electric				
ELB	Connection Type:	Receptacle	Service disconnect provided by others per local code.	Hard Wired	X	
	Voltage (Nominal):	208 VAC				
	Voltage (Phase):	3 Phase				
	Voltage (Frequency):	60 Hz				
DP	Circuit Protection:	10 Amps	Location: Ethernet port should be located within 5 ft of machine within the enclosed service area of the sterilizer.		X	
	Peak Consumption:	2.3 kW				
	*Consumption per Load:	1 kWh				
	Utility:	Electric for boiler				
SRV1	Connection Type:	1 1/4 inch / EMT	Provide sufficient air exhaust to remove 2.3 kW heat rejection.	Indirect Exhaust	X	
	Voltage (Nominal):	480 VAC				
	Voltage (Phase):	3 Phase				
	Voltage (Frequency):	60 Hz				
SRV2	Circuit Protection:	50 Amps	Provide connection to safety relief valve and pipe to drain, atmosphere, or as required by local code.	Hard Pipe	X	
	Peak Consumption:	30 kW				
	*Consumption per Load:	12 kWh				
	Utility:	Electric for boiler				
SRV3	Connection Type:	Exhaust return grille	Provide connection to safety relief valve and pipe to drain, atmosphere, or as required by local code.	Hard Pipe	X	
	Voltage (Nominal):	480 VAC				
	Voltage (Phase):	3 Phase				
	Voltage (Frequency):	60 Hz				
CW	Circuit Protection:	50 Amps	Cold water is used to prime the vacuum pump. TDS to be < 400 ppm. Water should be softened to 0-60 ppm. Back flow prevention must be supplied by customer as per local code.	Flex		X
	Peak Consumption:	30 kW				
	*Consumption per Load:	12 kWh				
	Utility:	Electric for boiler				

Optional utilities for chilled water cooling (used for reduction of cold water consumption).

CS	Utility:	Chilled Water Supply	Pressure difference ΔP CS/CR must be greater than 7 PSIG.	Insulated Hard Pipe	X	
	Connection Size/Type:	1/2 inch / MNPT				
	Pressure:	Min: 30 Max: 90 psig				
	Peak Consumption:	120 kBTU/hr				
CR	*Consumption per Load:	28 kBTU	Cold water is used to prime the vacuum pump. TDS to be < 400 ppm. Water should be softened to 0-60 ppm. Back flow prevention must be supplied by customer as per local code.	Flex		X
	Utility:	Chilled Water Return				
	Connection Size/Type:	1/2 inch / MNPT				
	Pressure:	Min: 30 Max: 70 psig				
CW	Peak Consumption:	2.2 gal/min	Cold water is used to prime the vacuum pump. TDS to be < 400 ppm. Water should be softened to 0-60 ppm. Back flow prevention must be supplied by customer as per local code.	Flex		X
	*Consumption per Load:	2.6 gal				
	Utility:	Cold Water				
	Connection Size/Type:	1/2 inch / MNPT				

CONTINUED ON PAGE 6

 <p>1535 Hobby Street, Charleston, SC 29405 Tel: (800) 457-4117 Web: www.belimed.com</p>		<h1>BELIMED MST-V 609-VS2E</h1> <h2>DOUBLE DOOR STERILIZER WITH INTEGRATED BOILER</h2>		
		TECHNICAL SPECIFICATIONS		Dwg. No. : CUT-609-VS2E Rev. : G
		Technical Specifications for the installation of a Belimed MST-V 609-VS2E Sterilizer.		Drawn By : A. JONES Date : 05/11/18
				Scale : NONE Page : 5 of 6

Optional Steam Bypass						
SS	Utility:	Steam	Steam must be dry, saturated, and free from all impurities such as gases, oil, dirt, or other contaminants. Provide adequate steam strainer typical for sterilizers. All steam drops must be piped from top of steam supply line.	Flex		X
	Connection Size/Type:	3/4 inch / MNPT				
	Pressure:	Min: 40 Max: 65 psig				
	Peak Consumption:	2.2 lbs/min				
	*Consumption per Load:	33 lbs				
	Consumption while Idle:	0.07 lbs/min				
ESTIMATED EMISSIONS						
DR	Utility:	Open Drain	Provide flush mounted floor sink and trap per local code.	1-1/4" Copper pipe	X	
	Connection Size:	1-1/4 inch				
	Discharge Flow Rate:	5.3 gal/min				
	*Consumption per Load:	59 gal				
	Medium:	Noise Radiation	In accordance with ISO3746: 1995 Testing Standards.			
	Radiation (Net):	65 dBA				
	Medium:	Heat Radiation	Heat dissipated into service room with ambient temperature of 86°F.			
	Radiation (Net):	2.3 kWh				
PHYSICAL SPECIFICATIONS						
	Parameter:	Carry-In Dimensions	Machine Alone (i.e. removed from packaging)			
	Height:	81 in				
	Width:	39 in				
	Length:	56 in				
	Parameter:	Chamber Usable Dimensions				
	Height:	26 in				
	Width:	26 in				
	Length:	39.3 in				
	Parameter:	Weights				
	Transport Weight:	2200 lbs	Transport Weight = Machine + Crating			
	Operating Weight:	2990 lbs	Operational Weight = Machine + Load			
	OSHPD NUMBER:	OPM-0131-13				
<p>*Consumptions calculated under pre-vac cycle at 270°F and water temperature of 63°F. Average load/cycle time one hour.</p> <p>Additional Information: - MNPT = Male pipe thread -FNPT = Female pipe thread - Others must provide service valves and strainers for steam and water supply. - All utility supplies and connections are customer's responsibility.</p>						
						TS-609-VS2E_RevH