

BeliMed

Infection Control

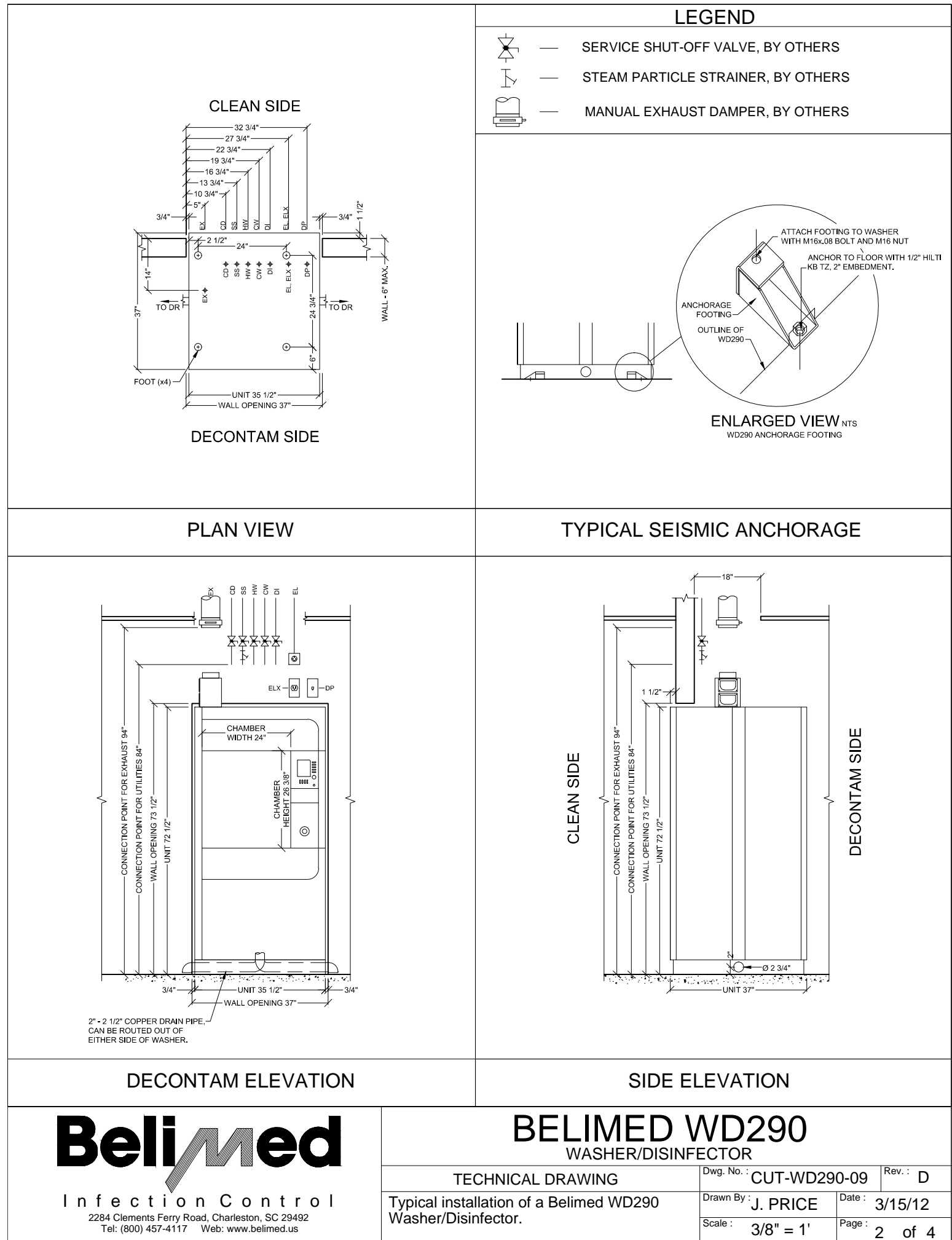
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BELIMED WD290

WASHER/DISINFECTOR

Typical installation of a Belimed WD290
Washer/Disinfector.

Dwg. No. :	CUT-WD290-09	Rev. :	D
Drawn By :	J. PRICE	Date :	3/15/12
Scale :	3/4" = 1'	Page :	1 of 4



WD290 WASHER/DISINFECTOR - TECHNICAL SPECIFICATIONS

REQUIRED INPUTS

Symbol	Description	Value	Utility Notes
SS	Utility:	Steam Supply	Steam must be dry, saturated, and free from all impurities such as gases, oil, dirt, or other contaminants. Provide steam strainer with #100 mesh size. All steam drops must be piped from top of steam supply line.
	Connection Size/Type:	3/4 inch NPT	
	Pressure:	Min: 30 Max: 70 psig	
	Peak Consumption:	4.2 lbs/min	
	*Consumption per Load:	Min: 15 Max: 22 lbs	
HW	Utility:	Hot Water	Minimum temperature of 120°F. (Colder temperature will result in longer cycles and higher steam consumption.) Water must have a TDS measurement of less than 200 ppm.
	Connection Size/Type:	3/4 inch NPT	
	Pressure:	Min: 30 Max: 70 psig	
	Peak Consumption:	10.6 gal/min	
	*Consumption per Load:	Min: 16 Max: 18.2 gal	
CW	Utility:	Cold Water	Water must have a TDS measurement of less than 200 ppm.
	Connection Size/Type:	3/4 inch NPT	
	Pressure:	Min: 30 Max: 70 psig	
	Peak Consumption:	10.6 gal/min	
	*Consumption per Load:	Min: 8.0 Max: 9.1 gal	
DI	Utility:	Deionized Water	Deionized (DI) or Reverse Osmosis (RO) used with a conductivity of less than 30 µS/cm. Slower flow rates will result in longer cycle times.
	Connection Size/Type:	3/4 inch NPT	
	Pressure:	Min: 30 Max: 70 psig	
	Operating Consumption:	Min: 2.0 Max: 10.6 gal/min	
	*Consumption per Load:	Min: 8.0 Max: 9.1 gal	
EL	Utility:	Electric	Peak consumption occurs during drying portion of cycle.
	Connection Type:	Hard wire within junction box	
	Voltage (Phase):	3 Phase	
	Voltage (Nominal):	208 VAC	
	Voltage (Frequency):	60 Hz	
	Circuit Protection:	40 Amps	
	Peak Consumption:	26.7 Amps	
	*Consumption per Load:	Min: 2.8 Max: 3.0 kW-h	
DP	Utility:	Data Port	Location: Preferred Ethernet port location is in the enclosed service area of the washer/disinfector or within 5 ft of machine
	Connection Type:	RJ45 Receptacle	
	Connection Quantity:	One (1) RJ45 Ethernet port per machine	
	Facility Wiring:	Cat-5 or better	
	Final Connection:	Patch cables for final connection provided	
	Port IP Setup:	Each RJ45 requires static IP address	
ELX	Utility:	Electric	One GFCI receptacle per WD
	Connection Type:	110V GFCI Receptacle	

ESTIMATED EMISSIONS

CD	Utility:	Condensate	Condensate removal by customer, per local code.
	Connection Size/Type:	3/4 inch NPT	
DR	Utility:	Open Drain	Provide flush mounted floor sink and trap.
	Connection Size:	2.0 inch	
	Discharge Flow Rate:	30.0 gal/min	
	Connection Type:	Indirect Drain	

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EX	Medium:	Air Exhaust	Discharged air is at 100% humidity, others must provide proper drainage upstream as needed. Others to provide manual style manual damper at each exhaust connection point.
	Connection Size:	5 inch OD	
	Peak Flow Rate:	250 cfm ± 10%	
	Minimum Duct Diameter:	5 inch	
	Duct Materials (in order of recommended use):	stainless steel, galvanized steel, polyethylene, or aluminum	
	Medium:	Heat Radiation	Free Standing Machine. Variation due to program variability in Ao value, dry time, and dry temperatures.
	Radiation (Net):	1000 W	
	Radiation (Tolerance):	+/- 200 W	
	Medium:	Noise Radiation	
	Maximum Radiation (Net):	62 dBA	
PHYSICAL SPECIFICATIONS			
	Parameter:	Carry-In Dimensions	Machine alone (i.e. removed from packaging)
	Height:	72.5 in	
	Width:	35.5 in	
	Length:	37.0 in	
	Parameter:	Weights	
	Transport Weight:	900 lbs	Transport Weight = (Machine + Crating)
	Operating Weight:	860 lbs	Operating Weight = (Machine + Water)
	OSHPD NUMBER:	OPA-2098-07	
<p>*Values are for an "Instruments - General Instrument Cycle" with 888 detergent. Minimum consumption values are measured with an empty rack. Maximum consumption values are measured with a fully loaded rack. Values will vary with rack size, load size, utility inputs, detergents, and cycle setup.</p> <p>Additional Information: For automated systems, additional utilities may be required. Consult site drawings for specific details. NPT = Male Pipe Thread Maximum tolerance for finished floor level tolerance is 1/4" for washer and conveyor area. All utility supplies and connections are to be provided by others, per local code.</p>			
			TS-WD290-09_RevE

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