

BeliMed

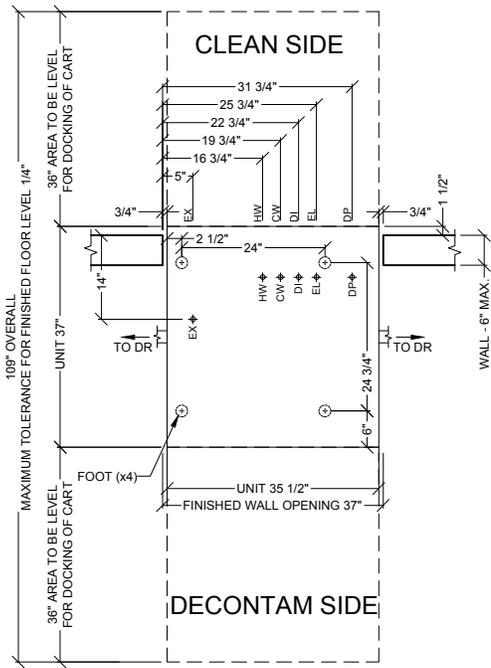
Infection Control

2325 Charleston Regional Parkway, Charleston, SC 29492
Tel: (800) 457-4117 Web: www.belimed.com

BELIMED WD290E
WASHER/DISINFECTOR

Typical installation of a Belimed WD290E Washer/Disinfector.

Dwg. No. :	CUT-WD290-09E	Rev. :	K
Drawn By :	A. IACOMINO	Date :	8/7/17
Scale :	3/4" = 1'	Page :	1 of 4



PLAN VIEW

LEGEND

SERVICE SHUT-OFF VALVE, BY OTHERS

MANUAL EXHAUST DAMPER, BY OTHERS

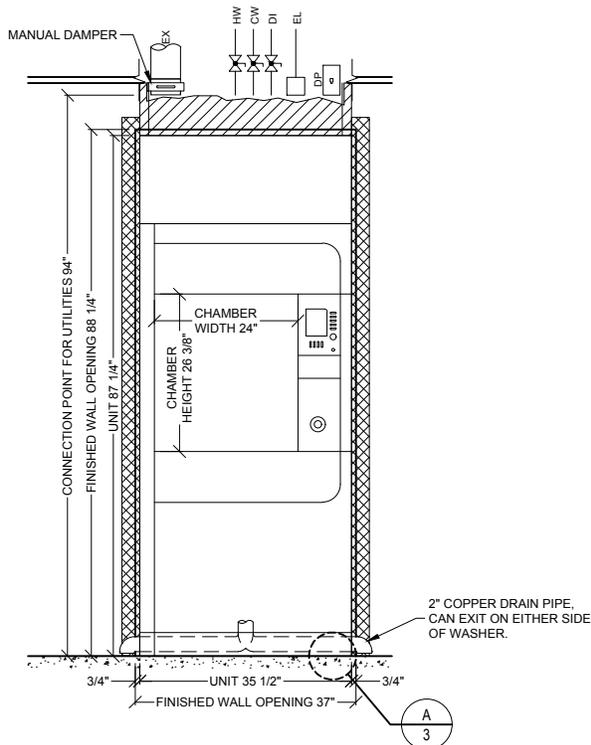
HATCH TYPES

STAINLESS STEEL TRIM, BY BELIMED

STAINLESS STEEL ENCLOSURES, BY BELIMED

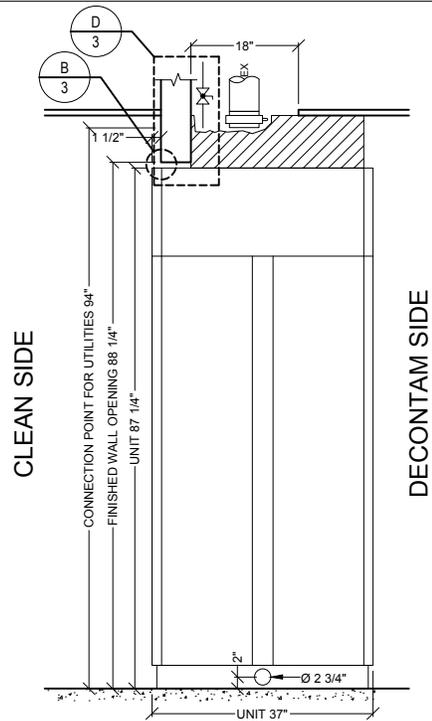
GENERAL NOTES

1. SEE SHEET 4 FOR TECHNICAL SPECIFICATIONS.
2. SEE TYPICAL INSTALLATION DETAILS ON SHEET 3.



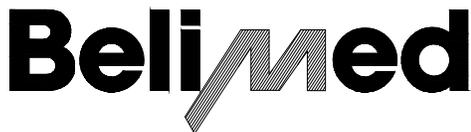
* SEE DETAIL E/3 FOR TYPICAL DRAIN INSTALLATION.
 * SEE DETAIL C/3 FOR TYPICAL UTILITY LAYOUT.

DECONTAM ELEVATION



* SEE DETAIL F/3 FOR TYPICAL DRAIN INSTALLATION.

SIDE ELEVATION

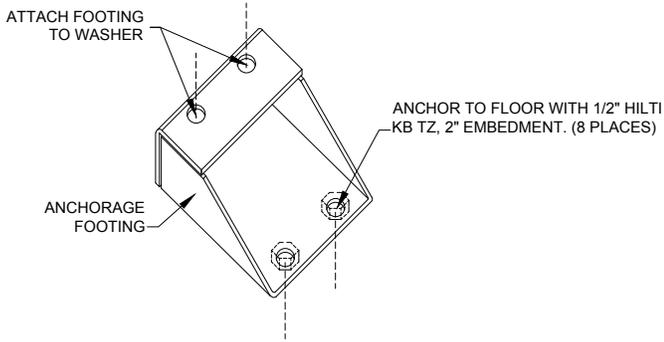


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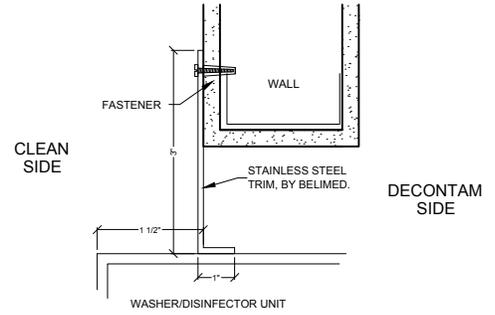
BELIMED WD290E
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TECHNICAL DRAWING
 Typical installation of a Belimed WD290E
 Washer/Disinfector.

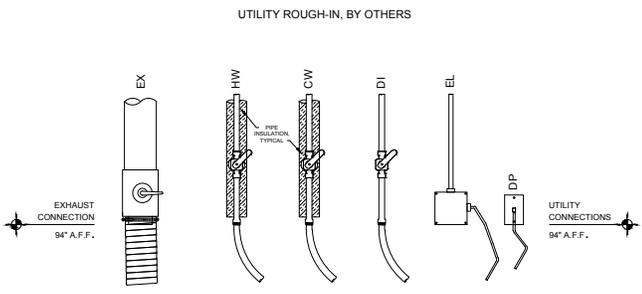
Dwg. No. : CUT-WD290-09E	Rev. : K
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A TYP. SEISMIC ANCHORING DETAIL
WASHER/DISINFECTOR
N.T.S.

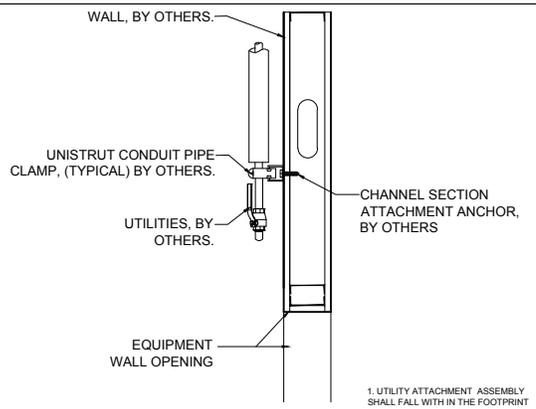


B TYP. TRIM ATTACHMENT DETAIL
WASHER/DISINFECTOR
N.T.S.



- EX - EXHAUST
- HW - HOT WATER
- CW - COLD WATER
- DI - DEIONIZED WATER
- EL - ELECTRICAL
- DP - DATA PORT

1. REFER TO EQUIPMENT PLUMBING, MECHANICAL AND ELECTRICAL PLANS FOR UTILITY LOCATIONS.
2. SEE TECHNICAL SPECIFICATIONS FOR UTILITY SIZING, INPUT REQUIREMENTS AND FINAL CONNECTIONS.

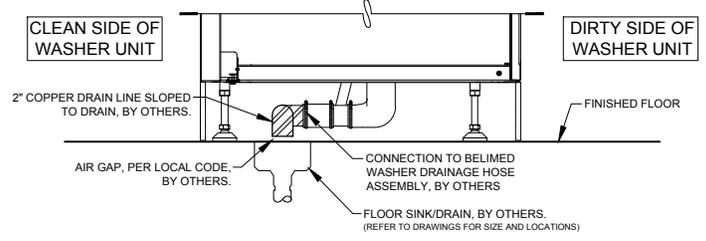
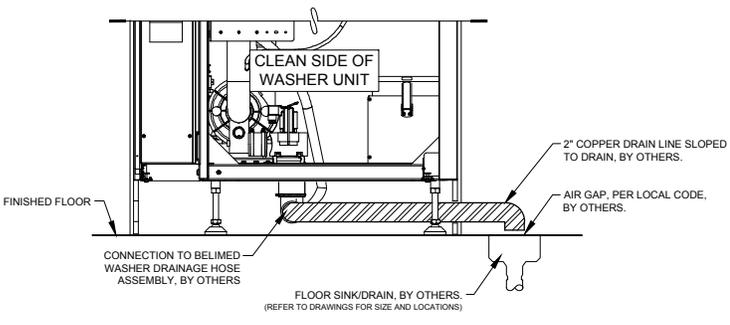


NOTE: REFER TO LOCAL BUILDING CODES AND/OR SEISMIC ANCHORAGE REQUIREMENTS FOR FINAL ATTACHMENT METHOD.

1. UTILITY ATTACHMENT ASSEMBLY SHALL FALL WITH IN THE FOOTPRINT OF THE SPECIFIED EQUIPMENT.
2. REFER TO EQUIPMENT PLUMBING, MECHANICAL AND ELECTRICAL PLANS FOR UTILITY LOCATIONS.
3. SEE TECHNICAL SPECIFICATIONS FOR UTILITY SIZING, INPUT REQUIREMENTS, AND FINAL CONNECTIONS.

C TYPICAL UTILITY LAYOUT
WASHER/DISINFECTOR - (ELECTRIC)
N.T.S.

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



E TYPICAL DRAIN DETAIL
WASHER/DISINFECTOR
N.T.S.

F TYPICAL DRAIN DETAIL
WASHER/DISINFECTOR (SIDE VIEW)
N.T.S.

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BELIMED WD290E
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TYPICAL DETAILS	Dwg. No. : CUT-WD290-09E	Rev. : K
Typical installation details for a Belimed Washer/Disinfector.	Drawn By : A. IACOMINO	Date : 8/7/17
	Scale : 3/8" = 1'	Page : 3 of 4

WD290E WASHER/DISINFECTOR - TECHNICAL SPECIFICATIONS

REQUIRED INPUTS

Symbol	Description	Value	Utility Notes	Connection Method	Final Utility Conn. By:	
					Others	Belimed
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.	Flex		X
	Connection Size/Type:	3/4 inch MNPT				
	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.	Flex		X
	Connection Size/Type:	3/4 inch MNPT				
	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.	Flex		X
	Connection Size/Type:	3/4 inch MNPT				
	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 the heating of water when the pump is active. Service disconnect provided by others per local code.	Hard Wired		X
	Connection Type:	Hard wire within junction box				
	Voltage (Phase):	3 Phase				
	Voltage (Nominal):	208 VAC				
	Voltage (Frequency):	60 Hz				
	Circuit Protection:	60 Amps				
	Peak Consumption:	46.5 Amps				
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			X
	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				

ESTIMATED EMISSIONS

DR	Utility:	Open Drain	Provide flush mounted floor sink and trap.	2" copper pipe		X
	Connection Size:	2.0 inch				
	Discharge Flow Rate:	30.0 gal/min				
	Connection Type:	Indirect Drain				
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.	Flex		X
	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 = (Machine + Crating) Operating Weight = (Machine + Water)
	Transport Weight:	1150 lbs	
	Operating Weight:	1100 lbs	
	OSHPD NUMBER:	OPM-0130-13	

*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.

Additional Information:
For automated systems, additional utilities may be required. Consult site drawings for specific details.
MNPT = 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.

TS-WD290-09E_RevM



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