

**Belimed**

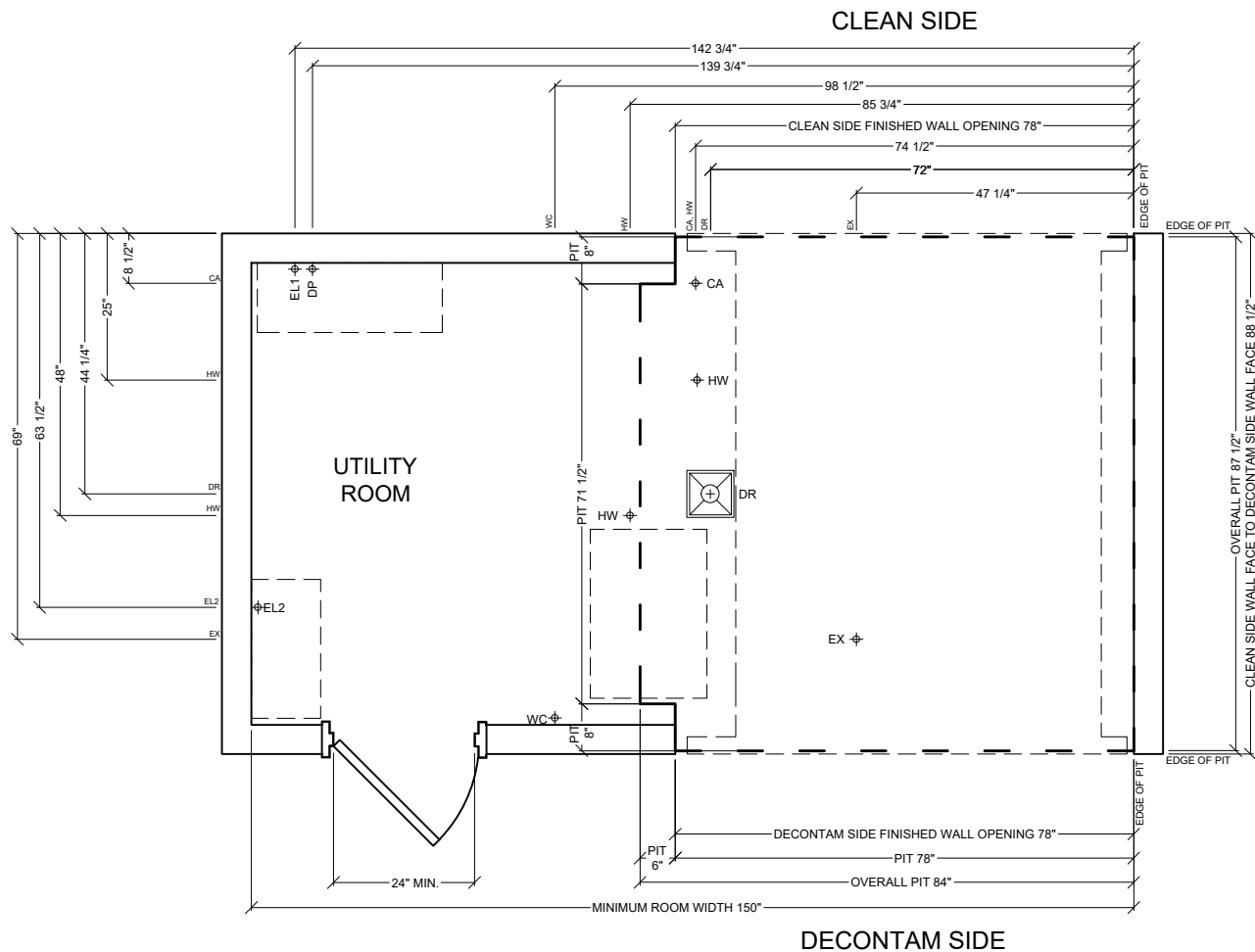
**Infection Control**

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

# CS-750S-E

RIGHT CHAMBER ELECTRIC HEATED CART WASHER

3D VIEW	Dwg. No. : CUT-CS750S-E_RC	Rev. : D
TYPICAL INSTALLATION OF A RIGHT CHAMBER CS-750S-E CART WASHER.	Drawn By : A. JONES	Date : 08/22/18
	Scale : N.T.S.	Page : 1 of 10



- HW — HOT WATER  
 CA — COMPRESSED AIR  
 EL — ELECTRICITY FOR MACHINE  
 DR — FLOOR DRAIN  
 EX — AIR EXHAUST  
 WC — WATER HOSE CONNECTION  
 DP — DATA PORT

#### LEGEND

##### LINE TYPES

- - - - - EQUIPMENT OUTLINE  
 - - - - - PIT OUTLINE (5.5" DEPTH)

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**CS-750S-E**

RIGHT CHAMBER ELECTRIC HEATED CART WASHER

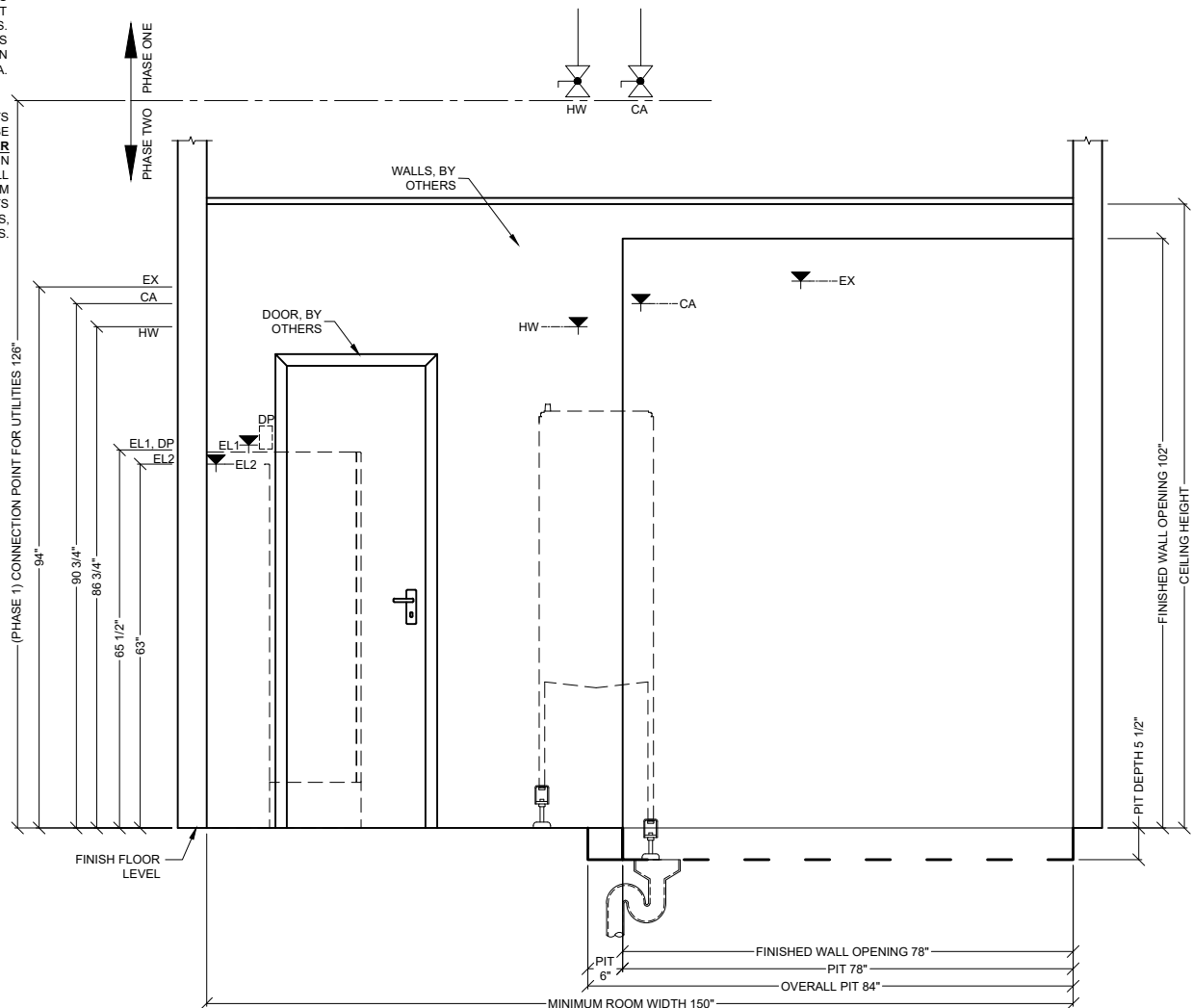
PLAN VIEW

TYPICAL SITE PREPARATION OF A  
 RIGHT CHAMBER CS-750S-E CART  
 WASHER.

Dwg. No. : CUT-CS750S-E_RC	Rev. : D
Drawn By : A. JONES	Date : 08/22/18
Scale : 3/8" = 1'-0"	Page : 2 of 10

**PHASE 1 CONNECTION POINT**  
FOR UTILITIES ARE TO BE  
PROVIDED BY OTHERS  
**BEFORE** EQUIPMENT  
INSTALLATION BEGINS.  
PROVIDE SHUT-OFF VALVES  
AT PHASE 1 CONNECTION  
POINTS FOR HW AND CA.

**PHASE 2 CONNECTION POINTS**  
FOR UTILITIES ARE TO BE  
PROVIDED BY OTHERS **AFTER**  
EQUIPMENT HAS BEEN SET IN  
FINAL POSITION BY BELIMED. ALL  
FINAL CONNECTIONS (FROM  
PHASE 1 CONNECTION POINTS  
TO FINAL CONNECTION POINTS,  
PHASE 2) ARE BY OTHERS.



HW — HOT WATER  
CA — COMPRESSED AIR  
EL1/  
EL2 — ELECTRICITY FOR MACHINE  
DR — FLOOR DRAIN  
EX — AIR EXHAUST  
DP — DATA PORT

#### LEGEND

##### SYMBOLS

— SERVICE SHUT-OFF VALVE, BY OTHERS  
— FINAL CONNECTION POINT BY OTHERS.

##### LINE TYPES

— — — — — PIT OUTLINE (5.5" DEPTH)

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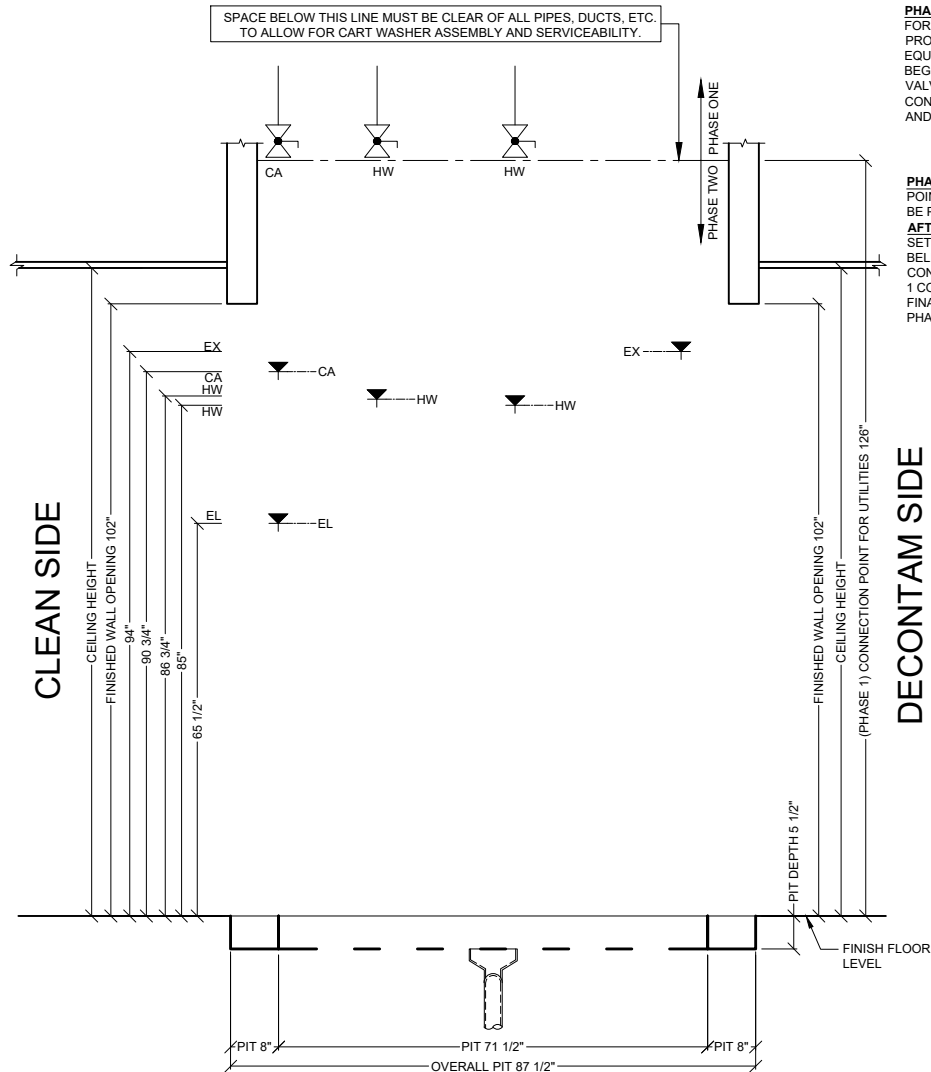
**CS-750S-E**

RIGHT CHAMBER ELECTRIC HEATED CART WASHER

DECONTAM ELEVATION

TYPICAL SITE PREPARATION OF A  
RIGHT CHAMBER CS-750S-E CART  
WASHER.

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Drawn By :	A. JONES	Date :	08/22/18
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**PHASE 1** CONNECTION POINT FOR UTILITIES ARE TO BE PROVIDED BY OTHERS **BEFORE** EQUIPMENT INSTALLATION BEGINS. PROVIDE SHUT-OFF VALVES AT PHASE 1 CONNECTION POINTS FOR HW AND CA.

**PHASE 2** CONNECTION POINTS FOR UTILITIES ARE TO BE PROVIDED BY OTHERS **AFTER** EQUIPMENT HAS BEEN SET IN FINAL POSITION BY BELIMED. ALL FINAL CONNECTIONS (FROM PHASE 1 CONNECTION POINTS TO FINAL CONNECTION POINTS, PHASE 2) ARE BY OTHERS.

HW — HOT WATER  
CA — COMPRESSED AIR  
EL — ELECTRICITY FOR MACHINE  
DR — FLOOR DRAIN  
EX — AIR EXHAUST

## LEGEND

### SYMBOLS

— SERVICE SHUT-OFF VALVE, BY OTHERS

— FINAL CONNECTION POINT BY OTHERS.

### LINE TYPES

— — — — — PIT OUTLINE (5.5" DEPTH)

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**CS-750S-E**

RIGHT CHAMBER ELECTRIC HEATED CART WASHER

SIDE ELEVATION

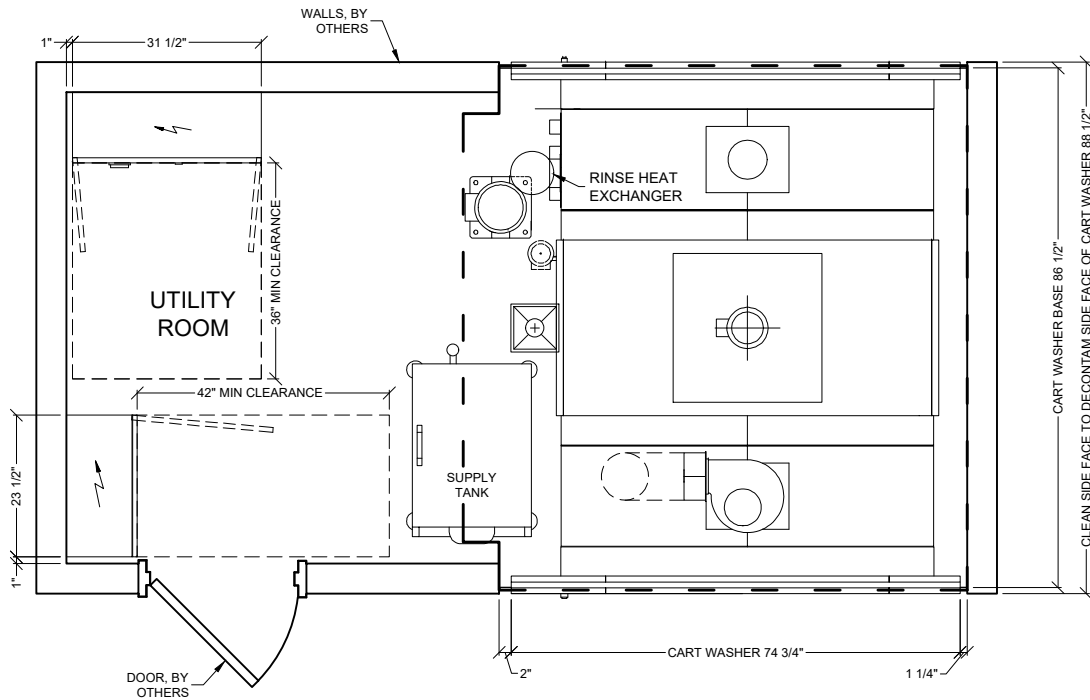
TYPICAL SITE PREPARATION OF A RIGHT CHAMBER CS-750S-E CART WASHER.

Dwg. No.: CUT-CS750S-E\_RC Rev.: D

Drawn By: A. JONES Date: 08/22/18

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# CLEAN SIDE



# DECONTAM SIDE

## LEGEND

### LINE TYPES

- - - - - PIT OUTLINE (5.5" DEPTH)

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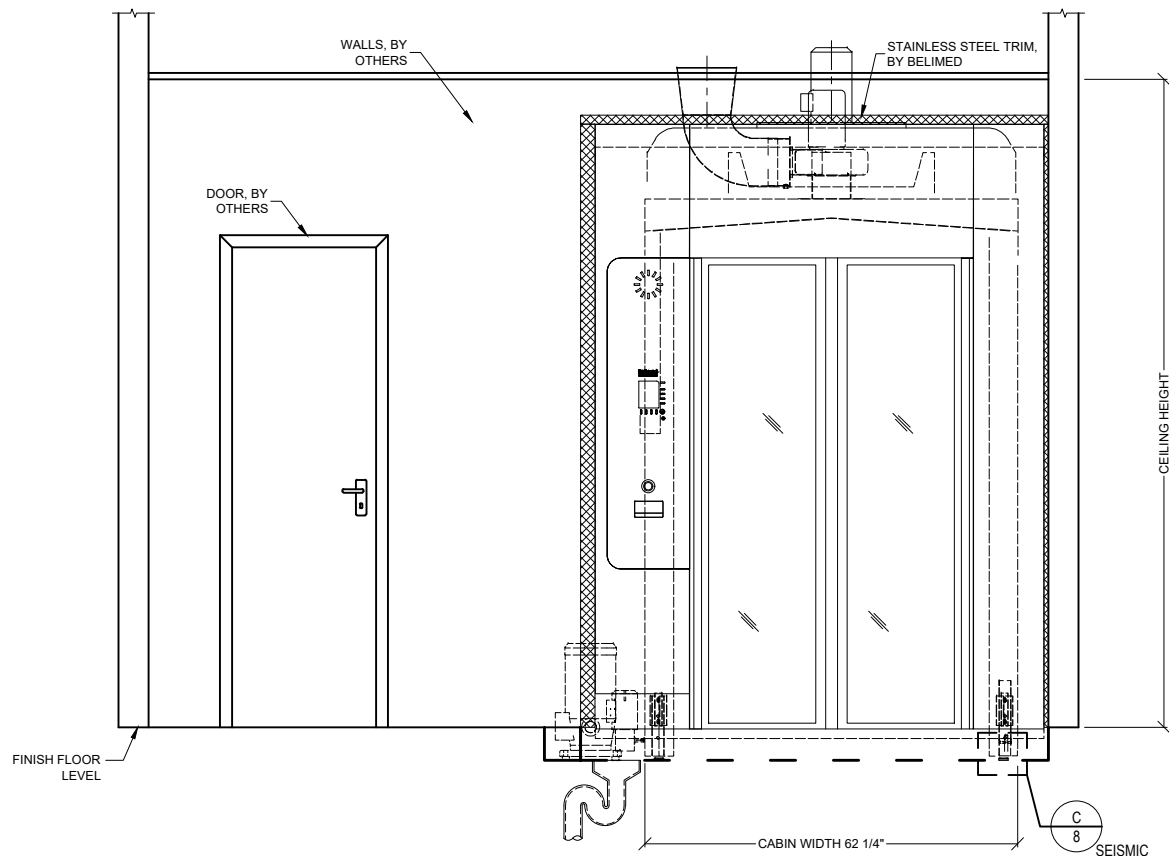
## CS-750S-E


RIGHT CHAMBER ELECTRIC HEATED CART WASHER

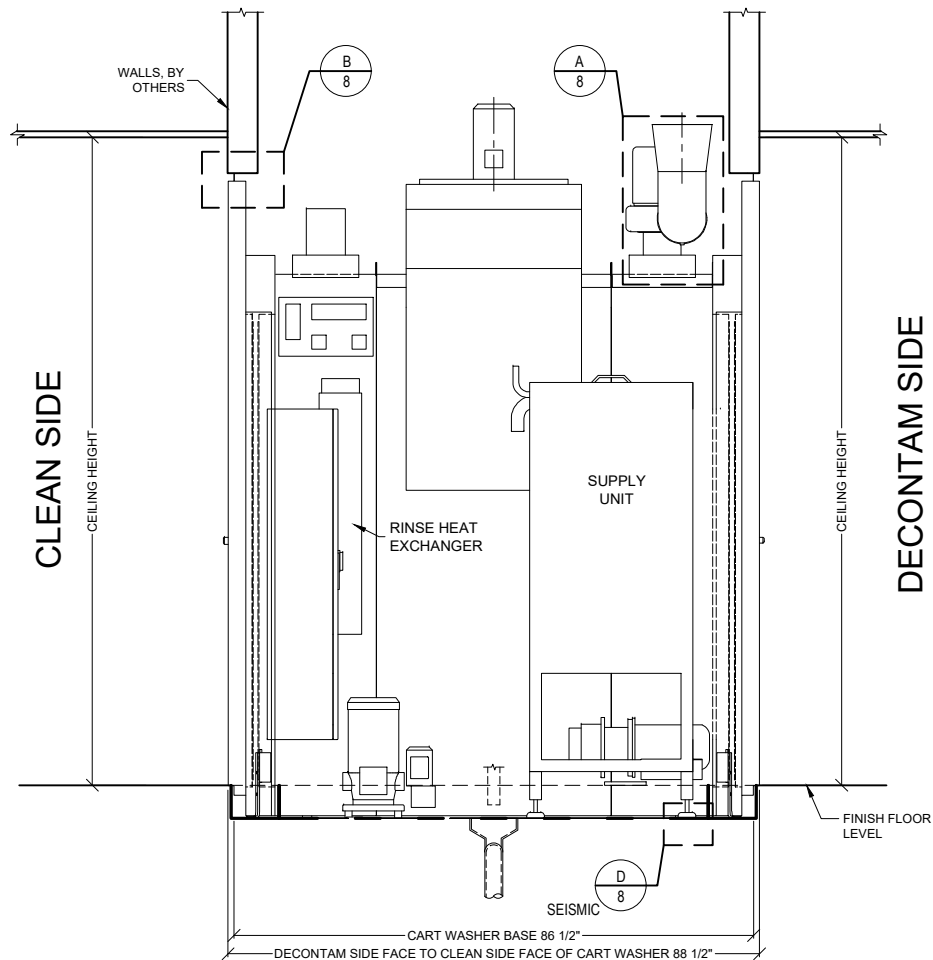
### PLAN VIEW

TYPICAL EQUIPMENT LAYOUT OF A  
RIGHT CHAMBER CS-750S-E CART  
WASHER.

Dwg. No. :	CUT-CS750S-E_RC	Rev. :	D
Drawn By :	A. JONES	Date :	08/22/18
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LEGEND	
<u>LINE TYPES</u>	
---	PIT OUTLINE (5.5" DEPTH)
<u>HATCH TYPES</u>	
	STAINLESS STEEL TRIM, BY BELIMED



#### LEGEND

##### LINE TYPES

--- PIT OUTLINE (5.5" DEPTH)

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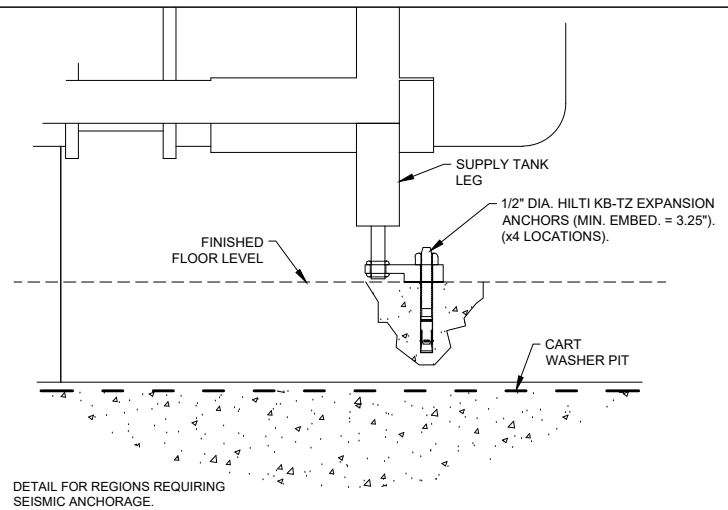
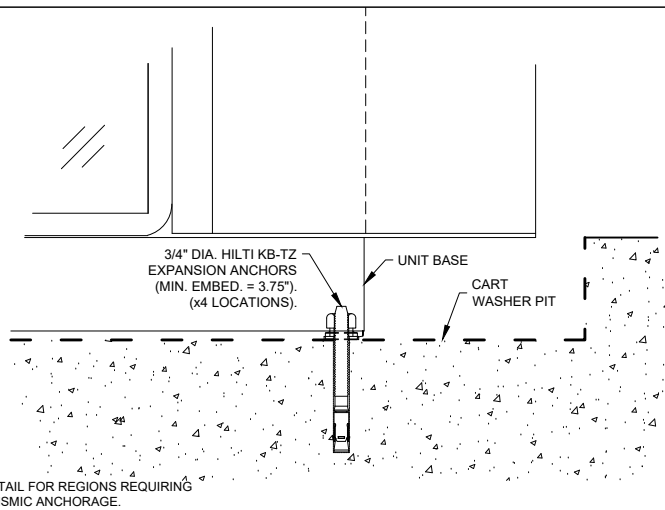
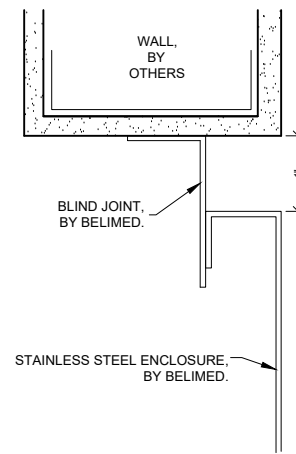
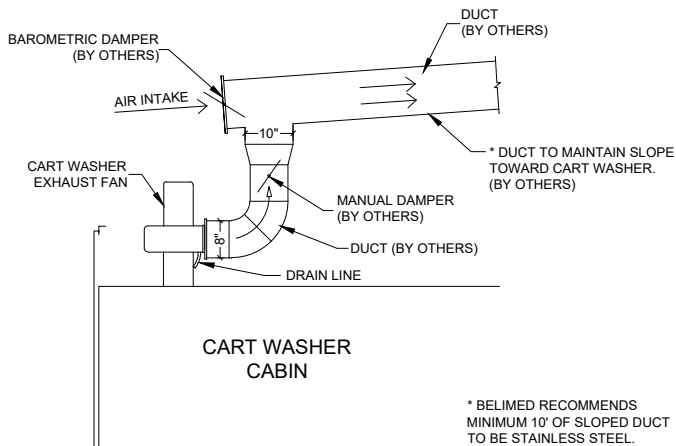
## CS-750S-E

RIGHT CHAMBER ELECTRIC HEATED CART WASHER

SIDE ELEVATION

TYPICAL EQUIPMENT LAYOUT OF A  
RIGHT CHAMBER CS-750S-E CART  
WASHER.

Dwg. No. : CUT-CS750S-E_RC	Rev. : D
Drawn By : A. JONES	Date : 08/22/18
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## CS-750S-E

RIGHT CHAMBER ELECTRIC HEATED CART WASHER

TYPICAL DETAILS  
TYPICAL INSTALLATION DETAILS FOR  
A RIGHT CHAMBER CS-750S-E CART  
WASHER.

Dwg. No. :	CUT-CS750S-E_RC	Rev. :	D
Drawn By :	A. JONES	Date :	08/22/18
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# CART WASHER MODEL CS-750S-E - TECHNICAL SPECIFICATIONS

## REQUIRED INPUTS

Ref:	Description	Value	Utility Notes	Connection Method	Final Utility Conn. By:	
					Others	Belimed
HW	Utility:	Hot Water	Water hardness as CaCO <sub>3</sub> must be less than 60 ppm. Water temperature is recommended to be a minimum of 110°F. (Colder HW temperature will result in longer cycles and higher steam consumption)	Flex Hose		X
	Connection Size/Type:	3/4 inch / MNPT				
	Pressure:	Min: 30 Max: 70 psig				
	Peak Consumption:	8 gal/min				
	*Consumption per Load:	8 gal				
EL1	Utility:	Electric 1	208V, 3 phase, 3 wire, 50A. Service Disconnect to be provided by others, per local code.	Hard Wire - Conduit	X	
	Connection Type:	Hard wire within junction box				
	Voltage (Phase):	3 Phase				
	Voltage (Nominal):	208 VAC				
	Voltage (Frequency):	60 Hz				
	Circuit Protection:	50 Amps				
	Peak Consumption:	31.4 Amps				
	*Consumption per Load:	0.35 kW-h				
EL2	Utility:	Electric 2	480V, 3 phase, 3 wire, 135A. Service Disconnect to be provided by others per local code.	Hard Wire - Conduit	X	
	Connection Type:	Hard wire within junction box				
	Voltage (Phase):	3 Phase				
	Voltage (Nominal):	480 VAC				
	Voltage (Frequency):	60 Hz				
	Circuit Protection:	135 Amps				
	Peak Consumption:	108.4 Amps				
	*Consumption per Load:	9 kW-h				
CA	Utility:	Compressed Air	Air must be dry and oil free. CA is used for pneumatic controls.	Flex Hose		X
	Connection Size/Type:	1/2 Inch / MNPT				
	Pressure:	Min: 90 Max: 115 psig				
	Peak Consumption:	1.0 CFM				
	*Consumption per Load:	3.0 CF				
WC	Utility:	Water Hose Connection	Provide standard garden hose connection for cleaning of supply tank.			
DP	Utility:	Data Port	Location: Ethernet port should be located within 5 ft of machine within the enclosed service area of the cart washer.  * (By others)		X	
	Connection Method:	TCP/IP Ethernet to hospital network				
	Connection Quantity:	One (1) RJ45 Ethernet port per cart washer				
	Facility Wiring:	*Cat-5, Cat-6 or Cat-6e wire				
	NIC/Com Speed:	10/100 Mbps Networking Port (RJ45)				
	Broadcast Method:	Unicast				
	MTU Size:	1500				
	Final Connection:	Belimed provided patch cables for final connection				
	Port IP Setup:	Each RJ45 Ethernet Port with individual static IP address			X	

## ESTIMATED EMISSIONS

DR	Utility:	Open Drain	Provide floor sink/drain and trap.	2" copper pipe	X	
	Drain Size:	2 Inch				
	Discharge Flow Rate:	24 gal/min				
	Connection Type:	Floor Sink				
EX	Medium:	Air Exhaust	Discharged air is at 100% humidity, others must provide proper drainage upstream as needed. Others to provide manual damper at each exhaust connection point. Duct materials (in order of recommended use): stainless steel, galvanized steel, polyethylene, or aluminum.	Sheet Metal	X	
	Connection Size:	8 Inch OD				
	Peak Flow Rate:	530 CFM				
	Minimum Duct Diameter:	10 Inch				
	Medium:	Heat Radiation	Equipment room heat radiation will vary due to steam pipe insulation by others.			
	Load side heat radiation:	500 W				
	Unload side heat radiation:	500 W				
	Equipment room radiation:	1250 W				
	Total radiation:	2250 W				
	Medium:	Noise Radiation				
	Maximum Radiation (Net):	68 dBA				

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TECHNICAL SPECIFICATIONS

Dwg. No. : CUT-CS750S-E\_RC Rev. : D

TECHNICAL DATA FOR THE  
INSTALLATION OF A RIGHT CHAMBER  
CS-750S-E CART WASHER.

Drawn By : A. JONES Date : 08/22/18  
Scale : NONE Page : 9 of 10

PHYSICAL SPECIFICATIONS			
	<b>Parameter:</b>	<b>Carry-In Dimensions</b>	Largest item is the pan carried in on its side, second largest item are the doors.
	<b>Height:</b>	63 in	
	<b>Width:</b>	6 in	
	<b>Length:</b>	73 in	
	<b>Parameter:</b>	<b>Weights</b>	
	<b>Operating Weight:</b>	5400 lbs	
	<b>OSHPD NUMBER:</b>	OPM-0242-13	
<div>*Values are for a Normal Cycle*.</div> <div>Additional Information: MNPT = Male Pipe Thread Others must provide service valves for compressed air and water supply. Others must provide back flow prevention for water supply. For alternate utility connections, please contact Belimed. All utility supplies and connections are to be provided by others, per local code. Belimed recommends for others to apply a liquid waterproof membrane to pit or area under cart washer.</div> <div>TS-CS-750S-E_RevG</div>			

TS-CS-750S-E\_RevG

<div> <div>Belimed</div> <div>Infection Control</div> <div>           1535 Hobby Street, Charleston, SC 29405            Tel: (800) 457-4117    Web: www.belimed.com         </div> </div>	<div>CS-750S-E</div> <div>RIGHT CHAMBER ELECTRIC HEATED CART WASHER</div>			
	<div>TECHNICAL SPECIFICATIONS CONT</div>		<div> <div>Dwg. No. :</div> <div>CUT-CS750S-E_RC</div> </div>	<div> <div>Rev. :</div> <div>D</div> </div>
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			<div> <div>Scale :</div> <div>NONE</div> </div>	<div> <div>Page :</div> <div>10 of 10</div> </div>