GETINGE Steam Sterilizer Model GSS610N14, 55”, DD-LH, Steam Heat, Construction Rough-In Drawing

*Photo may not represent actual model

Getinge Group
1 Geoffrey Way
Wayne, NJ 07470
Dwg. 1074-005, Rev. E1
5/1/23

GETINGE

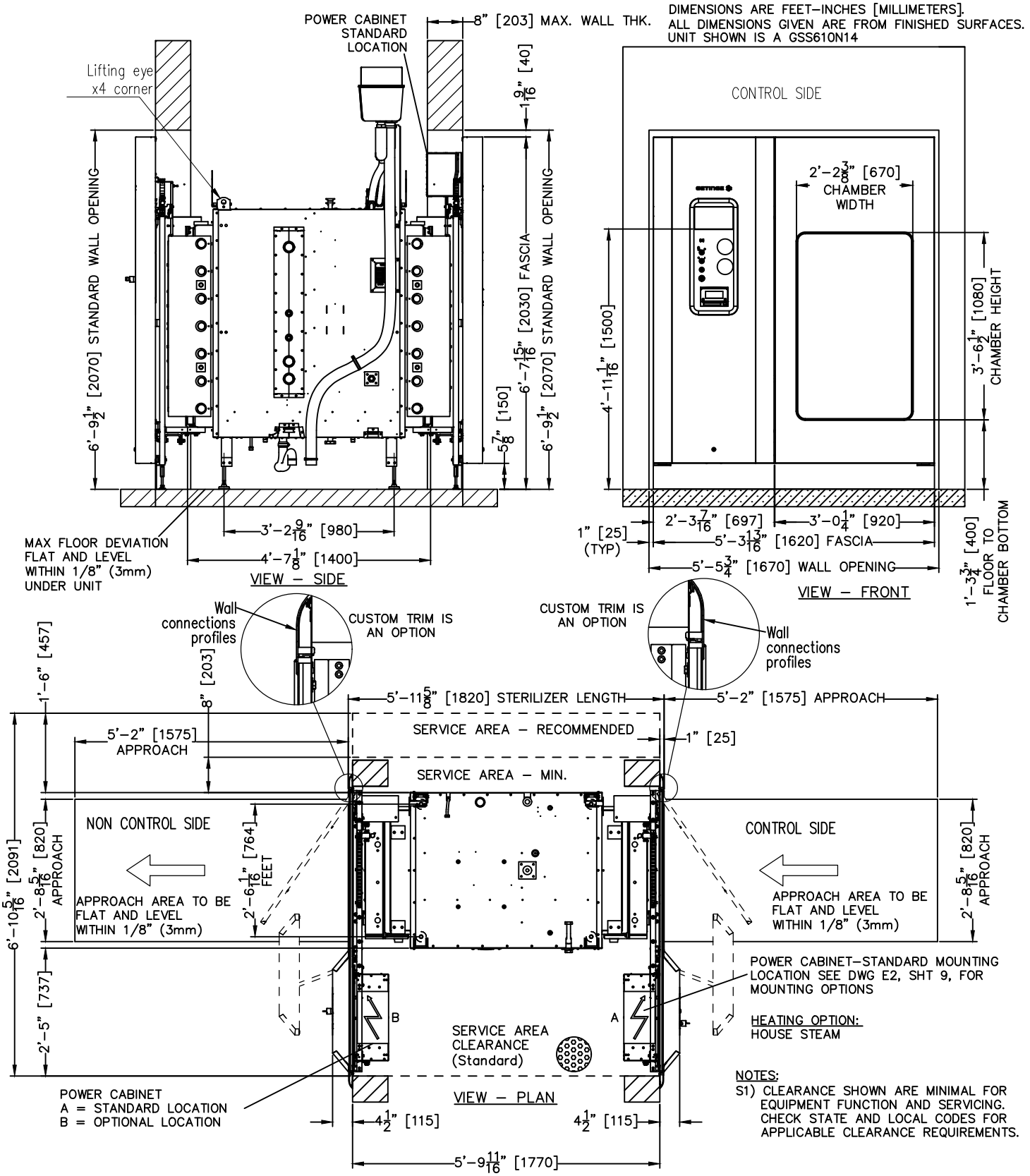
Getinge Surgical Workplaces
Disinfection and Sterilization Products
Project Responsibilities

Component	Designed by/Materials Provided By	Performed By	Timing/Project Phase
Getinge			
Product specifications, Construction Rough In drawings	GETINGE	GETINGE	At time of purchase order or customer signed GETINGE Drawing Package
General Contractor			
Design, Fabrication of space for egress, wall opening, foot print and utility rough-in for each piece of equipment	Customer or General contractor per GETINGE Construction Rough In drawing	Customer's Engineer of Record/Architect and General Contractor.	Based upon overall construction schedule
In Wall Chair Carriers	GETINGE	Customer's specified General contractor	Based upon overall construction schedule
Plumbing Contractor			
Cold Water, Hot Water, RO Water, Steam, Condensate and Air supply lines to within 5 running feet of equipment's connection point. Drain	Customer or Plumbing contractor using GETINGE Construction Rough In drawing or customer signed GETINGE Drawing Package	Customer's/GC specified Plumbing contractor	While ceilings and walls are open during plumbing/electrical/mechanical installation
Floor Sinks and/or Drains	Customer or Plumbing contractor using GETINGE Construction Rough In drawing or customer signed GETINGE Drawing Package	Customer's/GC specified Plumbing contractor	Based upon overall construction schedule
Ball and Gate Valves for all supply lines with threads for easier connections	Customer or Plumbing contractor using Industry approved valves and materials	Customer's/GC specified Plumbing contractor	While ceilings and walls are open during plumbing/electrical/mechanical installation
Water, Steam, condensate and Air connections between equipment and facility supply lines	GETINGE using GETINGE Construction Rough In drawing or customer signed GETINGE Drawing Package	Customer's/GC specified Plumbing contractor	During Equipment Installation
Electrical Contractor			
Duplex, "J" box and Fused Electrical Disconnect	Customer or Plumbing contractor using GETINGE Construction Rough In drawing or customer signed GETINGE Drawing Package	Customer's/GC specified Electrical contractor	While ceilings and walls are open during plumbing/electrical/mechanical installation
All branch circuit wiring and conduit (primary and secondary) external to GETINGE supplied equipment	Customer or electrical contractor using GETINGE Construction Rough In drawing or customer signed GETINGE Drawing Package	Customer's/GC specified Electrical contractor	While ceilings and walls are open during plumbing/electrical/mechanical installation
Electrical final terminations between Utilization Equipment Outlet boxes and facility power	Customer or electrical contractor using GETINGE Construction Rough In drawing or customer signed GETINGE Drawing Package	Customer's/GC specified Electrical contractor	After equipment installation

Component	Designed by/Materials Provided By	Performed By	Timing/Project Phase
Mechanical Contractor			
Exhaust Ducts and gravity line vents	Customer or Mechanical contractor using GETINGE Construction Rough In drawing or customer signed GETINGE Drawing Package	Customer's/GC specified Mechanical contractor	While ceilings and walls are open during plumbing/electrical/mechanical installation
All branch duct and gravity line vents	Customer or Mechanical contractor using GETINGE Construction Rough In drawing or customer signed GETINGE Drawing Package	Customer's/GC specified Mechanical contractor	While ceilings and walls are open during plumbing/electrical/mechanical installation
Installation Contractor (Non-Union)			
Uncrating of equipment	N/A	GETINGE if installation purchased per sales agreement	Based upon overall construction schedule
Equipment Installation	N/A	GETINGE if installation purchased per sales agreement	During equipment installation phase based on project schedule
Disposal of shipping containers and packing debris to an on installation site customer provided receptacle	N/A	GETINGE if installation purchased per sales agreement	As required during equipment installation phase based on project schedule
Final Installation Checkout	N/A	GETINGE if installation purchased per sales agreement	After Equipment Installation
In-service			
Training of Equipment Operation: cycle selection, start, stop, abort, reset, loading, unloading	GETINGE	GETINGE	Following Equipment Installation
Customer			
Receive, off load and storage of equipment in secured protected area	N/A	Customer or customer designated shipping contractor	Based upon overall construction schedule
Disposal of any existing equipment	N/A	Customer	After removal from existing location

Notes

1.	Minimum of thirty (30) working days notification will be required for scheduling installation. Additional costs may be billed if less than 30 days' notice is given.
2.	Installation is performed during the hours of 8 a.m. to 5 p.m. excluding weekends and holidays. Overtime charges will apply after 5:00 p.m. and during weekends/holidays.
3.	Removal of asbestos or equipment subject to disposal regulations of federal, state or local governments is not included. Pricing must be obtained through local hazardous waste contractors.
4.	Pricing does not provide for union labor.
5.	Scope of installation work is based upon timely and uninterrupted access, site conditions and utility availability. Additional visits due to work stoppage beyond the control of Getinge will be billed directly to the buyer at prevailing rates.
6.	Purchaser shall provide a site that is compatible to accept the egress of equipment into building, foot print, wall openings, utility supply lines, immediate access valves and which complies with any applicable requirements of any governmental authority.
7.	The equipment ordered will be shipped in large crates and ingress into building requires specific height and width. This includes the path to the final installation location. Dimensions will be provided upon request.
8.	If equipment is stored off site, it is the customer's responsibility to transport equipment to the installation site.
9.	Getinge provides layout drawings based on information and/or facility drawings provided. Getinge provides these drawings for reference only to the contractor and architect. It will be the responsibility of the contractor to verify the dimensions for placement within the building based on the required dimensions provided by Getinge.
10.	Wall thickness is indicated on the installation/arrangement drawings. For recessed equipment between one or two walls, please pay close attention to the wall thickness indicated to prevent interference with the equipment installation and operation. Wall thickness for the Getinge equipment is vitally important for proper installation, location, fit and function within the facility.
11.	Floor protection to protect facility floors during installation is not provided by Getinge.
12.	For the purpose of service, Getinge requires adequate permanent lighting in the enclosed service areas of the sterilizer and washer.
13.	120V duplex electrical receptacle recommended in the service area.



REV	BY	DATE	DESCRIPTION
E	TDL	5/1/22	PRODUCT LAUNCH
E1	TDL	5/1/23	REMOVE ELEC. STM. OPTION

TITLE:
MODEL GSS610N14 STEAM STERILIZER, DOUBLE DOOR, LEFT SERVICE, RECESSED THROUGH WALL, 55" CHAMBER, ROUGH-IN DRAWING (STRUCTURAL)

DRAWING NUMBER / FILE NAME: 1074-005 S1

REVISION: E1

GETINGE

DRAWN BY: T.LEHMAN

SCALE: NONE

DATE: 3/30/22

SHEET #: 1 of 10

NOTICE: Work by others

Safe and efficient operation of this product is dependent upon the owner/user providing the services specified herein as well as any other normally accepted electrical, mechanical or plumbling interface between user's supply and this product. Getinge USA will not assume responsibility for problems that result from non–compliance with the following conditions. The following conditions and services are required by Getinge USA equipment and are to be provided by others.

	PERFORMANCE AND DIMENSIONS		EMPTY	FULL	Comments
	Process Time, metal load	(h:mm)	0:35	1:05	
	Usable Space (WxHxL) Inside Chamber	(inch)	26"x40.2"x55"		Prevac 1, 135 C including 16 min vacuum drying.
		(mm)	660x1020x1400		
	Loading Capacity	Instrument trays	24		25 lbs (11.3 kg) per tray
	Sterilizer Weight	(lbs)	3230		Packaging not included
		(kg)	1465		
	Sound Power Level LwA	(dBA)	85.5		SS–EN 285:2016 and ISO 3746:2010
	Sound Pressure Level LpA	(dBA)	64		
	Heat Generation	(kW)	4.84		Heat dissipated to the surrounding

MINIMUM CLEARANCE REQUIRED FOR MOVING INTO POSITION:

63.78"W X 77.95"H X 71.65"L + 9.84" [1620W X 1980H X 1820L + 250].

DISMANTLED: 35.43"W X 77.95"H X 71.65"L [900W X 1980H X 1820L].

(HEIGHT INCLUDES 5.91" [150MM] BOTTOM OF PACKING)

TOTAL HEAT DISSIPATED FROM STERILIZER WITH EMPTY CHAMBER AND 2 DOORS BOTH CLOSED AT AN AMBIENT TEMP OF 23° C (73° F) +/– 2° C (+/– 3.6° F). HEAT DISSIPATED AT THE FRONT IS 1535 BTU/SIDE WITH CLOSED DOOR AND 7132 BTU/SIDE WITH OPEN DOOR.

POWER CABINET OPTIONS:
SEE DRAWING E2, ON SHT 9

REV	BY	DATE	DESCRIPTION
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TITLE: MODEL GSS610N14 STEAM STERILIZER, DOUBLE DOOR, LEFT SERVICE, RECESSED THROUGH WALL, 55" CHAMBER, ROUGH–IN DRAWING (STRUCTURAL)

DRAWING NUMBER / FILE NAME: 1074–005 S2

REVISION: E1

GETINGE

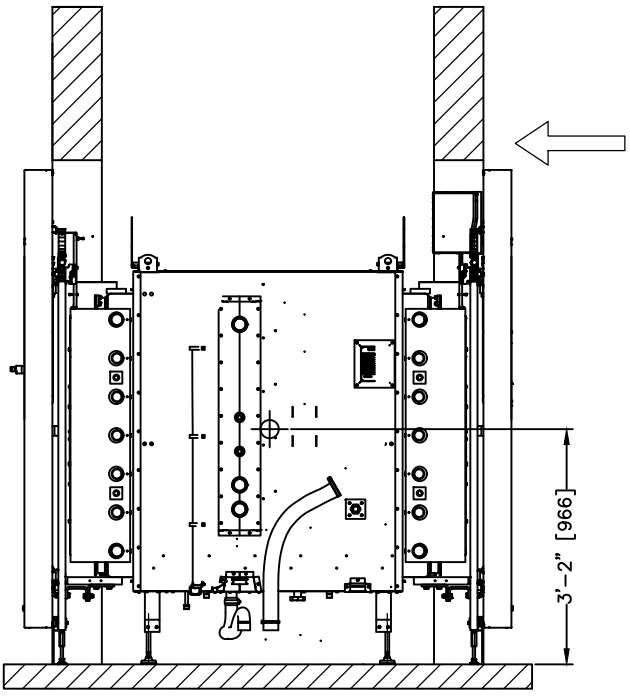
DRAWN BY: T.LEHMAN

SCALE: NONE

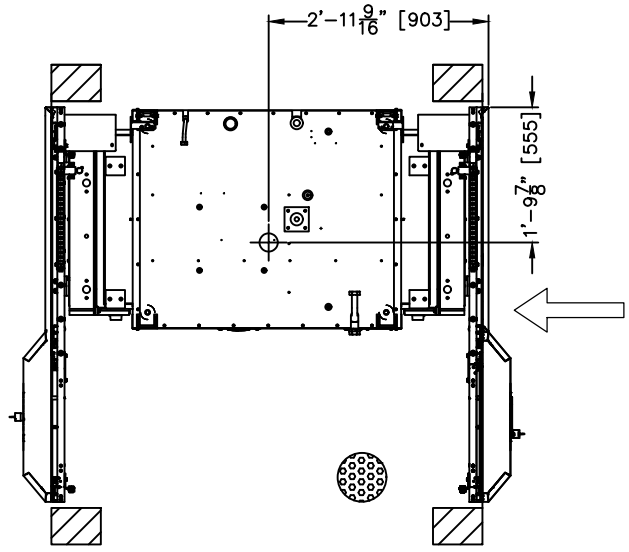
DATE: 3/30/22

⊕ = CENTER OF GRAVITY

DIMENSIONS ARE FEET–INCHES [MILLIMETERS].
ALL DIMENSIONS GIVEN ARE FROM FINISHED SURFACES.
UNIT SHOWN IS A GSS610N14



MODEL VIEW – SIDE



MODEL VIEW – PLAN

REV	BY	DATE	DESCRIPTION
E	TDL	5/1/22	PRODUCT LAUNCH
E1	TDL	5/1/23	REMOVE ELEC. STM. OPTION

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MODEL GSS610N14 STEAM STERILIZER, DOUBLE DOOR, LEFT SERVICE, RECESSED THROUGH WALL, 55" CHAMBER, ROUGH–IN DRAWING (STRUCTURAL)

DRAWING NUMBER / FILE NAME: 1074–005 S3

REVISION: E1

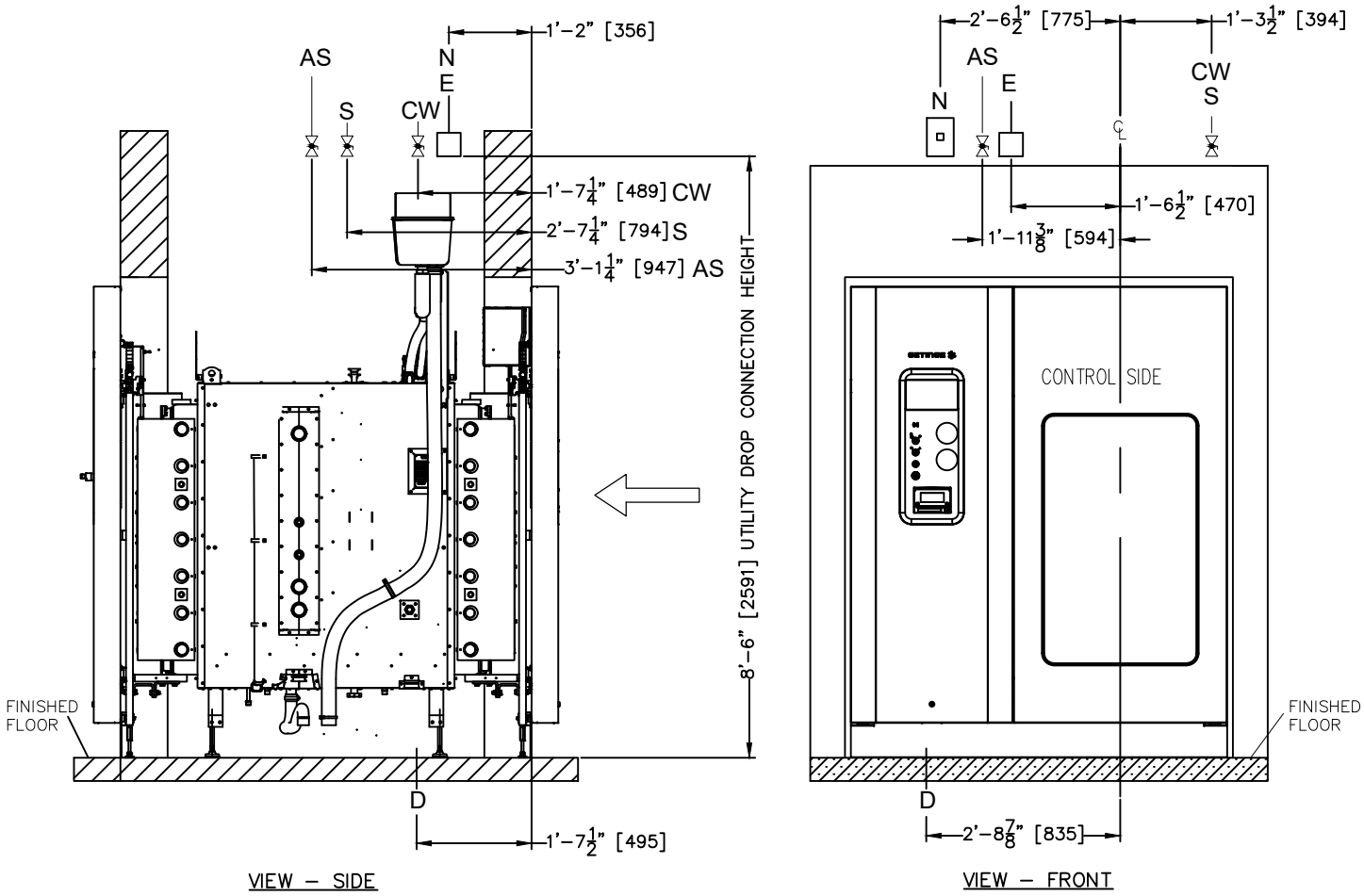
GETINGE

DRAWN BY: T.LEHMAN

SCALE: NONE

DATE: 3/30/22

SHEET #: 3 of 10



SITE UTILITY DROP RECOMMENDATION			
UTILITY	SIZE TO UNIT	REQUIRED SUPPLY	SHEET REFERENCE
S = STEAM	1–1/4"	43.5–50.7 psi (3–3 ½ BAR)	SHEET 6 (P2)
CW = CITY WATER	3/4"	44–87 psi (3–6 BAR)	
AS = AIR SUPPLY	1/4"	87–116 psi (6–8 BAR)	
D = PROCESS DRAIN	FLOOR SINK W/ 3" DRAIN	<140°F (<60°C)	
E = ELECTRICAL	--	PLEASE SELECT	SHEET 10 (E3)
N = NETWORK	RJ45	100 MBIT/S	

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ALL DIMENSIONS GIVEN ARE FROM FINISHED SURFACES.
UNIT SHOWN IS A GSS610N14

REV	BY	DATE	DESCRIPTION
E	TDL	5/1/22	PRODUCT LAUNCH
E1	TDL	5/1/23	REMOVE ELEC. STM. OPTION

TITLE:
MODEL GSS610N14 STEAM STERILIZER, DOUBLE DOOR, LEFT SERVICE, RECESSED THROUGH WALL, 55" CHAMBER, ROUGH–IN DRAWING (STRUCTUAL)

DRAWING NUMBER / FILE NAME: 1074–005 S4

REVISION: E1

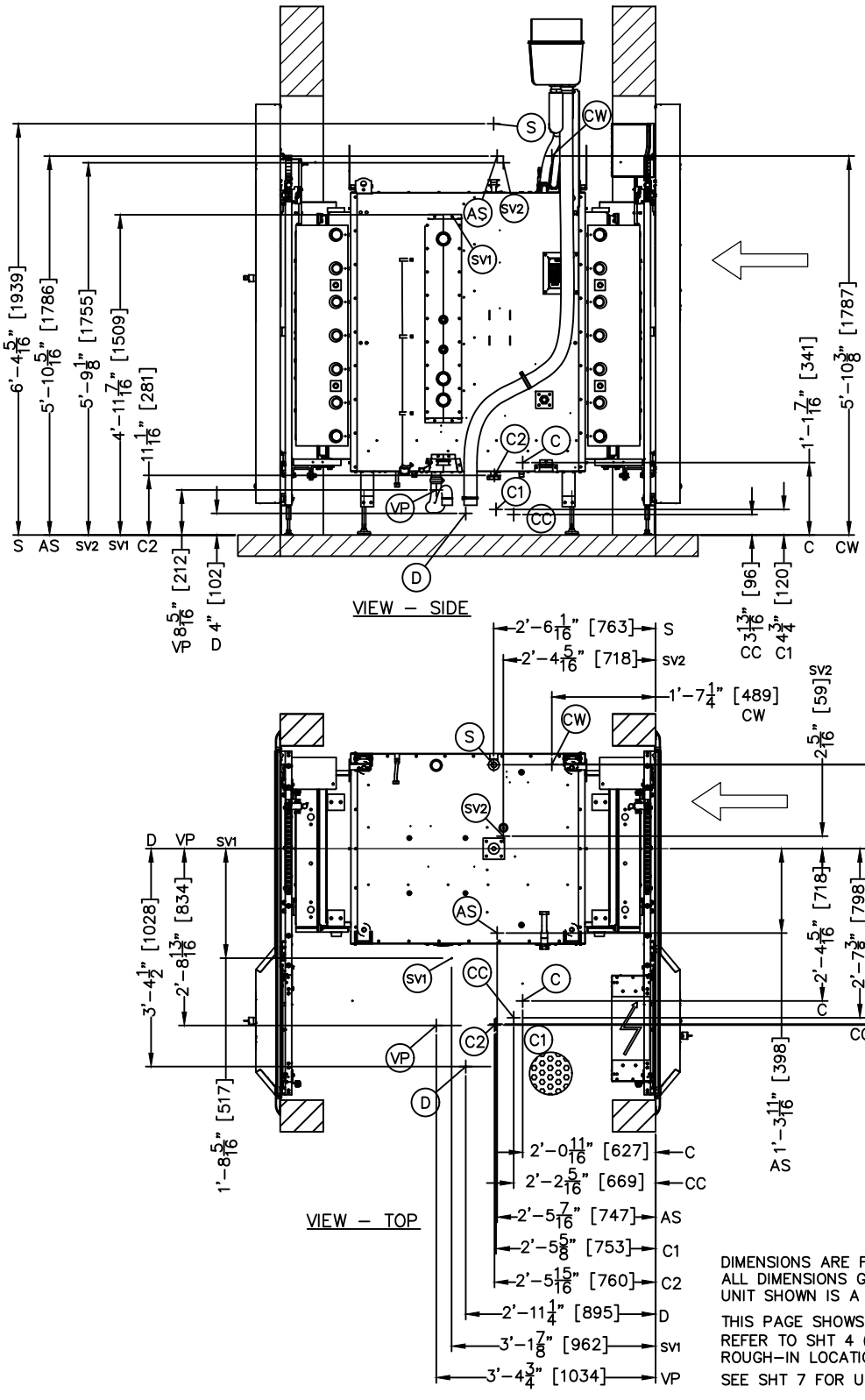
GETINGE

DRAWN BY: T.LEHMAN

SCALE: NONE

DATE: 3/30/22

SHEET #: 4 of 10



DIMENSIONS ARE FEET–INCHES [MILLIMETERS].
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UNIT SHOWN IS A GSS610N14

THIS PAGE SHOWS THE ON–UNIT CONNECTION POINTS.
REFER TO SHT 4 (S4) FOR RECOMMENDED UTILITY DROP ROUGH–IN LOCATIONS.

SEE SHT 7 FOR UTILITY CHART

REV	BY	DATE	DESCRIPTION
E	TDL	5/1/22	PRODUCT LAUNCH
E1	TDL	5/1/23	REMOVE ELEC. STM. OPTION

TITLE:
MODEL GSS610N14 STEAM STERILIZER, DOUBLE DOOR, LEFT SERVICE, RECESSED THROUGH WALL, 55" CHAMBER, ROUGH–IN DRAWING (PLUMBING)

DRAWING NUMBER / FILE NAME: 1074–005 P1

REVISION: E1

GETINGE

DRAWN BY: T.LEHMAN

SCALE: NONE

DATE: 3/30/22

SHEET #: 5 of 10

HEATING OPTION:		Consumption/cycle (Prevac 1)				
Connection	Units *	EMPTY	FULL	Peak/h	Supply Condition	Size–On Unit
(S) Central Steam	(lbs)	27.3	85.1	176	43.5–50.7 psi (g)	1" DN25
	(kg)	12.4	36.6	80	3.0–3.5 bar (g)	
(CW) City Water	(gal)	96	178	856	43.5–87 psi (g),<95°F	3/4" DN20
	(l)	364	673	3240	3–6 bar,<35°C	
(AS) Air Supply	(cu.ft)	7	7	2.4 SCFM	87–116 psi (g)	1/4" DN8
	(nm^3)	0.2	0.2	4	6–8 bar (g)	
(D) Drain	(gal)	99	188	1057	<140°F	2 ½" DN65
	(l)	376	712	4000	<60°C	

OPTION: Condensate Return		EMPTY	FULL	Peak/h	Supply Condition	Size–On Unit
(C) Condensate Return	(gal)	0.29	0.39	29	max lift 16 ft / Not to exceed 7 PSIG max back pressure	1/2" DN15
	(l)	1.09	1.47	110	max lift 5m	

Option Chilled Water Recirculation		EMPTY	FULL	Peak/h	Supply Condition	Size–On Unit
(CW) City Water	(gal)	2.6	2.6	856	43.5–87 psi (g) <95°F	1" DN25
	(l)	10	10	3240	3–6 bar (g),<35°C	
(C1) Cooling Water – Inlet	(gal)	–	–	1321	Dp>7.3 psi	1" DN25
(C2) Cooling Water – Return	(l)	–	–	5000	Dp>0,5bar	
Cooling Energy to Chilled Water System	(Btu)	17061	78479	N/A	N/A	N/A
	(kWh)	5.0	23	N/A	N/A	N/A

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MODEL GSS610N14 STEAM STERILIZER, DOUBLE DOOR, LEFT SERVICE, RECESSED THROUGH WALL, 55" CHAMBER, ROUGH–IN DRAWING (PLUMBING)

DRAWING NUMBER / FILE NAME: 1074–005 P2

REVISION: E1

GETINGE

DRAWN BY: T.LEHMAN

SCALE: NONE

DATE: 3/30/22

SHEET #: 6 of 10

NOTES TO ARCHITECTS & CONTRACTORS

P1) City Water:

a) City water quality: Use potable water with a hardness of 0.5–10 grains/gal [8–170 ppm].

b) Maximum temperature requirement is 95°F [35°C]. Optimal vacuum efficiency is at or below 70°F [21°C],

c) Back–syphonage protection is required by others. Check local plumbing code and install required backflow preventer. (Examples: vacuum breaker, dual–check or reduced pressure type).

d) An optional water booster pump is available to achieve satisfactory performance where:

* Water pressure is at least 20 psig [1.4 kg/cm2] dynamic but less than specified 44 psig [2.8 kg/cm2].

* required backflow preventer lowers the water pressure below the miniumum specified.

* The optional booster pump requires mechanical electrical and plumbing hook–up by customer. A separate electrical service to the water booster pump junction box is necessary. Water line size will increase. Contact your local Getinge USA representative for site specific Utility Data.

P2) It shall be the customer's responsibility to provide a proper drainage system in accordance with applicable local codes. Temperature of drain water will not exceed 140°F [60°C] under normal operating conditions. If cold water supply is cut–off, temperature may exceed 200°F [93°C].

P3) It shall be the customer's responsibility to provide condensate free steam between 97% and 100% saturated vapor.

P4) Getinge USA recommends piping all vessel pressure relief valves to a vented manifold outside the equipment service area. Caution must be exercised not to reduce the discharge capacity of the relief valve. Recommended piping practices for relief valve piping can be found in ASME Boiler and Pressure Vessel Code Section VIII, Div. 1, UG–135. Check local codes for special requirements.

P5) For safety: all shut–off valves must be reachable when standing on floor at equipment, (i.e., water, steam & compressed air), unions must be installed at point on connection (i.e., drain vent from safety relief valve, water, steam & compressed air).

P6) All supply customer connections to sterilizer must be labeled.

Connection	ON UNIT CONNECTION
(S) CENTRAL STEAM	1" DN25
(CW) CITY WATER (95°F OF LESS)	3/4" NPT DN20
(SV1) SAFETY VALVE – CHAMBER	1" NPT DN25
(SV2) SAFETY VALVE – JACKET	1" NPT DN25
(D) DRAIN	2 ½" NPT DN65
(C1) COOLING WATER INLET	1" DN25
(C2) COOLING WATER RETURN	1" DN25
(C) CONDENSATE RETURN	1/2" NPT DN15
(AS) AIR SUPPLY	1/4" NPT DN8
(E) ELECTRIC	3PH+PE (NO NEUTRAL)
(VP) VACUUM PUMP (REMOTELY LOCATED)	1–1/2" NPT DN40
(CC) COOLING STEAM CONDENSATE (VACUUM PUMP, NO CONDENSATE RETURN)	3/4" NPT DN20

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DRAWING NUMBER / FILE NAME: 1074–005 P3

REVISION: E1

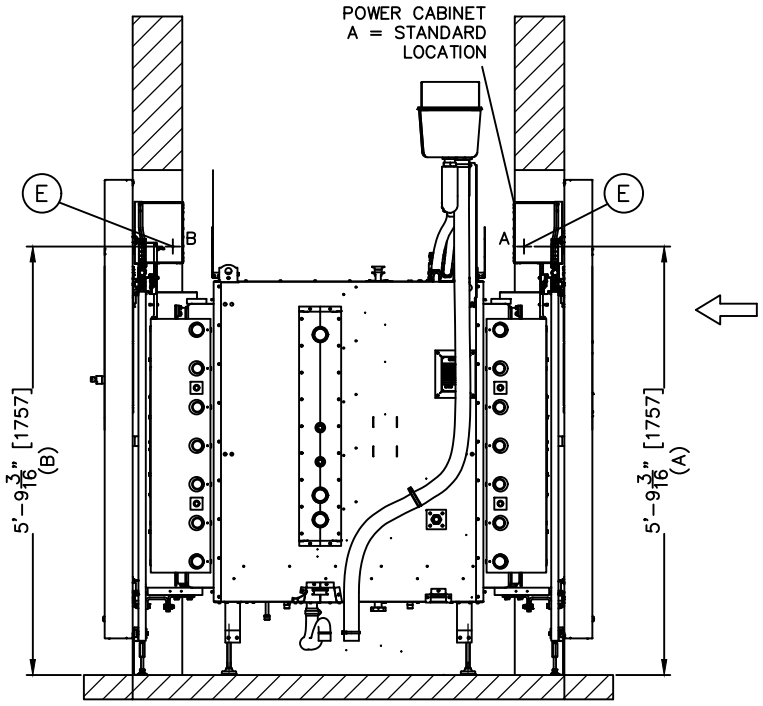
GETINGE

DRAWN BY: T.LEHMAN

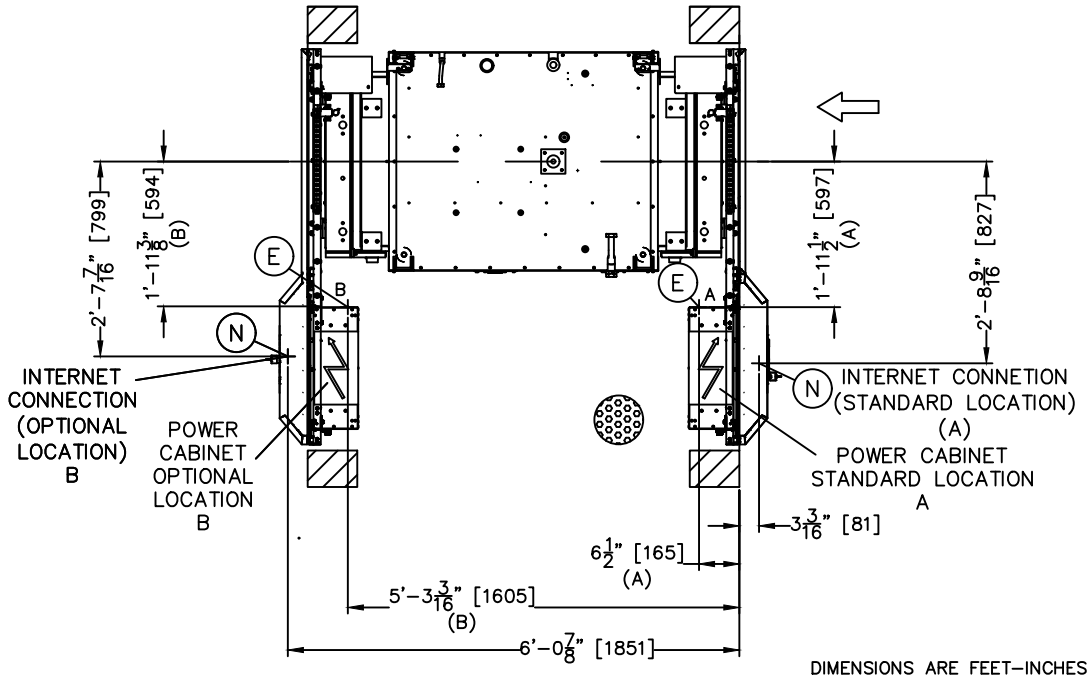
SCALE: NONE

DATE: 3/30/22

SHEET #: 7 of 10



VIEW – SIDE



VIEW – PLAN

DIMENSIONS ARE FEET–INCHES [MILLIMETERS].
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UNIT SHOWN IS A GSS610N14

REV	BY	DATE	DESCRIPTION
E	TDL	5/1/22	PRODUCT LAUNCH
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TITLE:
MODEL GSS610N14 STEAM STERILIZER, DOUBLE DOOR, LEFT SERVICE, RECESSED THROUGH WALL, 55" CHAMBER, ROUGH–IN DRAWING (ELECTRICAL)

DRAWING NUMBER / FILE NAME: 1074–005 E1

REVISION: E1

GETINGE

DRAWN BY: T.LEHMAN

SCALE: NONE

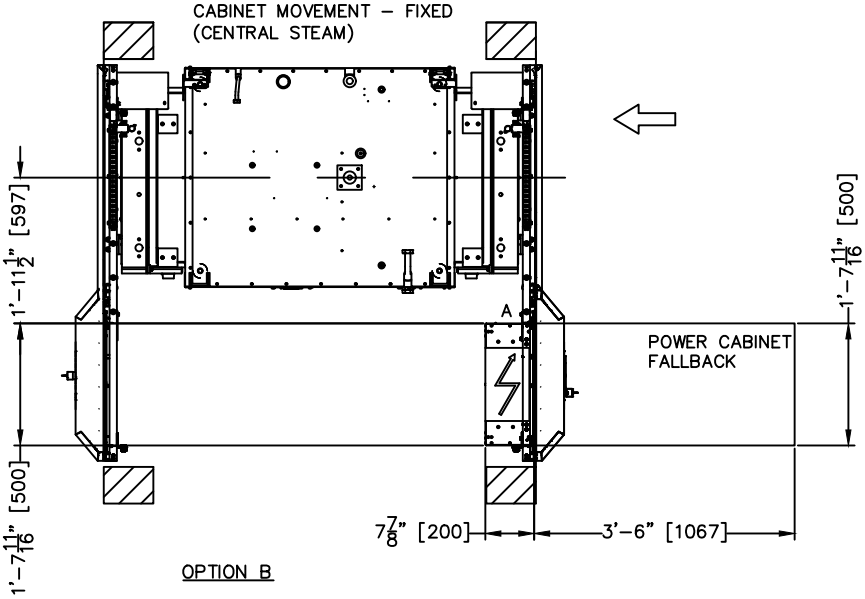
DATE: 3/30/22

SHEET #: 8 of 10

PLACEMENT OF POWER CABINET
LEFT SERVICE, DOUBLE DOOR, FALLBACK

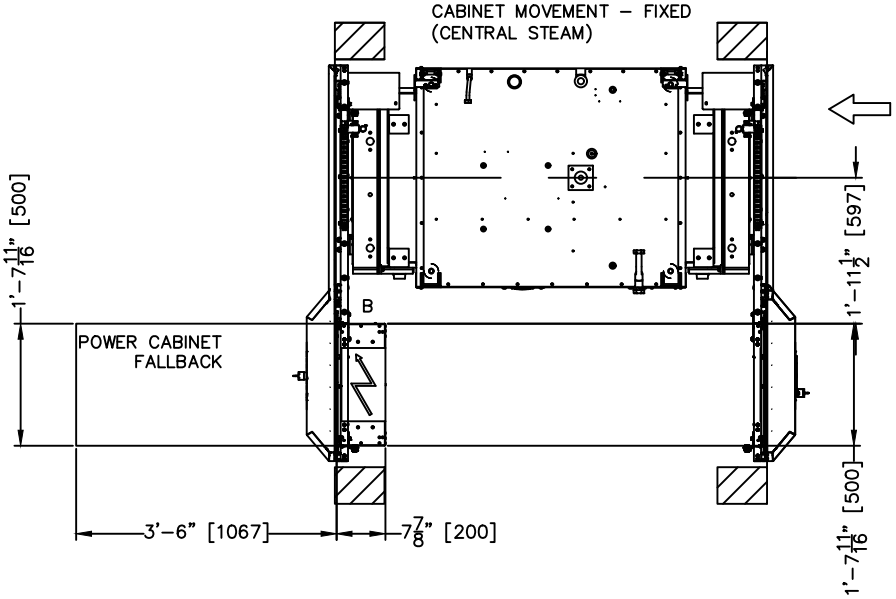
US STANDARD – OPTION A

FORWARD FALLBACK
PLACEMENT CONTROL SIDE
CABINET MOVEMENT – FIXED
(CENTRAL STEAM)



OPTION B

BACKWARD FALLBACK
PLACEMENT NON-CONTROL SIDE
CABINET MOVEMENT – FIXED
(CENTRAL STEAM)



POWER CABINET SIZE (OPTION A & B):
7.88" x 19.91" x 10.00"
[200.25 X 505.75 X 254.5]

FALLBACK:
Option A & B (Power Cabinet door opens towards front/back of chamber)

ELECTRICAL FALLBACK DISTANCE:
42"U.S NEC [1067]

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DRAWING NUMBER / FILE NAME: 1074-005 E2

REVISION: E1

GETINGE

DRAWN BY: T.LEHMAN

SCALE: NONE

DATE: 3/30/22

SHEET #: 9 of 10

NOTICE: Work by others

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(E)	Electrical Data, required supply fuse			
	Central Steam Supply as standard			
		EMPTY	FULL	
	PLEASE SELECT	--		
	Power consumption (kWh)	0.57	1.07	
	Peak(kW)	5		

(N)	Customer Network	
	On Units with Getinge Online or T–DOC	

NOTES: Electrical Supply:

E1) a) It shall be the customer's responsibility to complete all electrical connections in accordance with the National Electrical Code and all applicable local codes.

b) A dedicated, permanently connected electrical supply with conveniently accessible disconnect switch (supplied by customer) is required for each sterilizer.

E2) a) The IT–Network shall support Ethernet communications on a connection at 100 MBIT/S, Half–Duplex.

b) Static address should be available to the installer at time of installation. Internet acccessibility may be required. Installer may require proxy details if present.
For Ethernet connection –1–/100 IEEE 802.3u. Half/Full Duplex, Auto–Negotiation.

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DRAWING NUMBER / FILE NAME: 1074–005 E3

REVISION: E1

GETINGE

DRAWN BY: T.LEHMAN

SCALE: NONE

DATE: 3/30/22