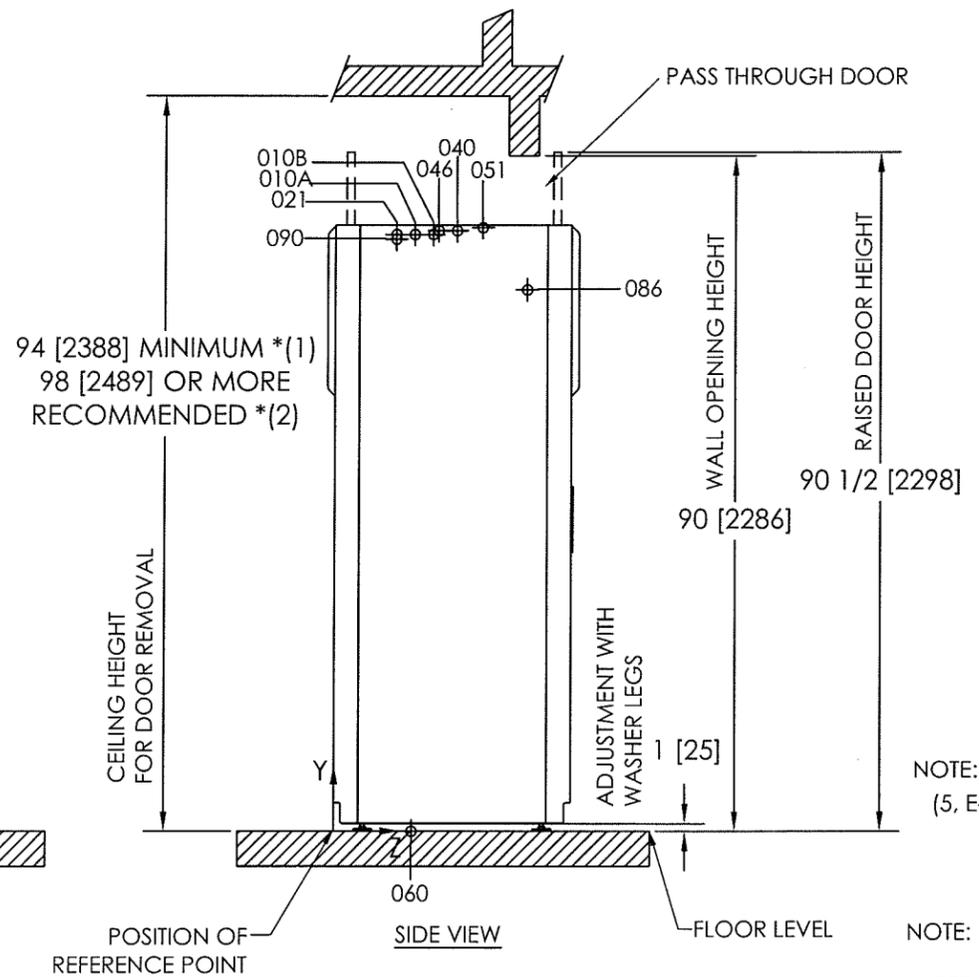
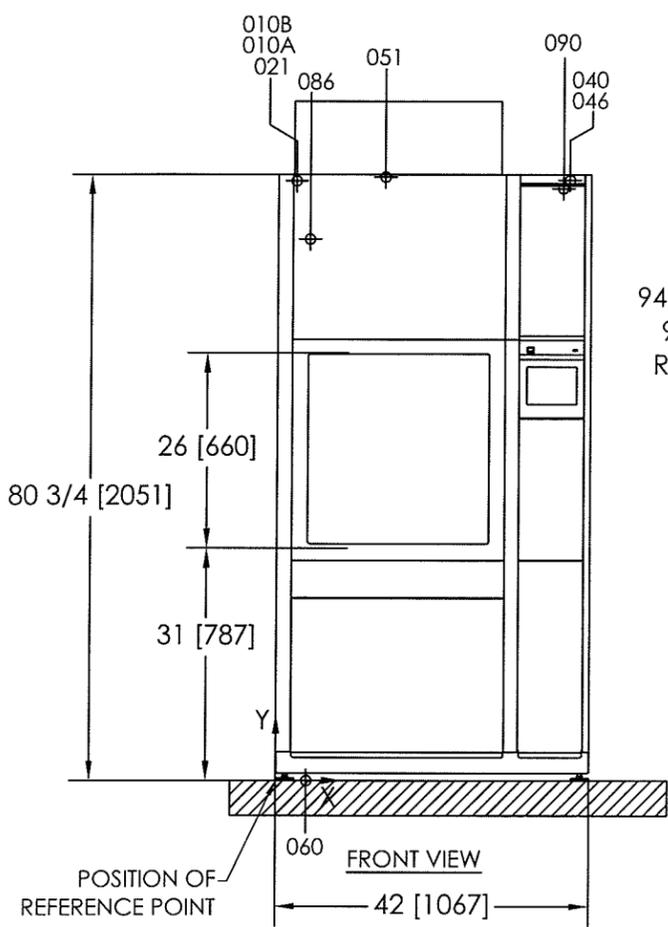
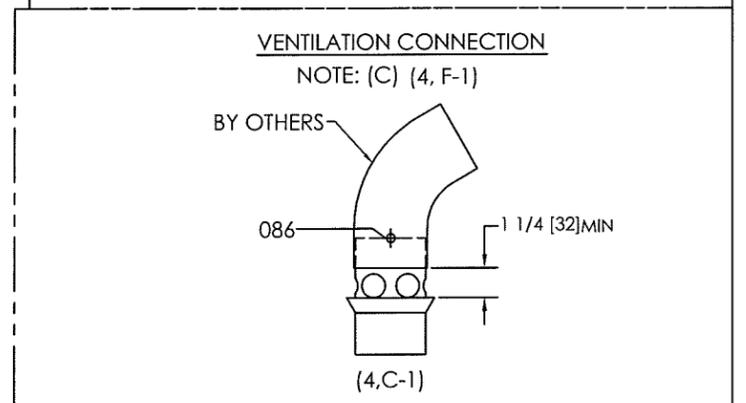
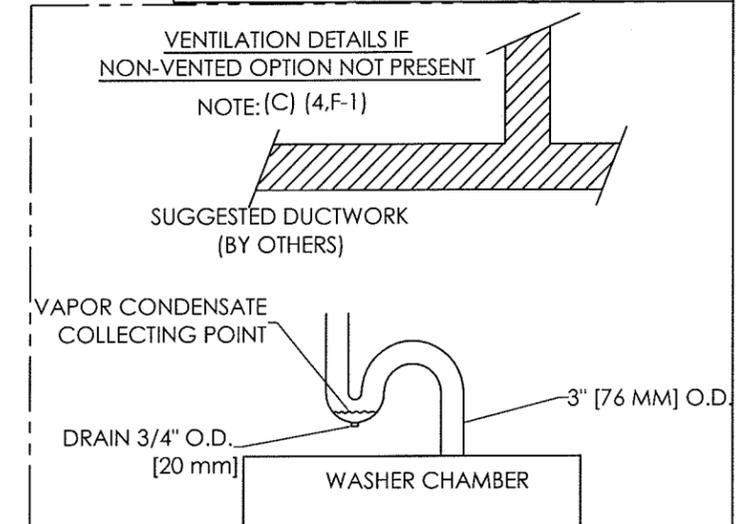
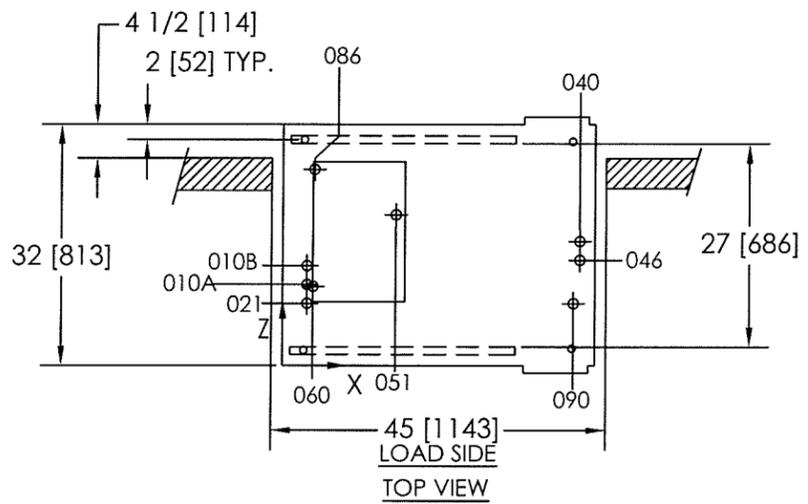
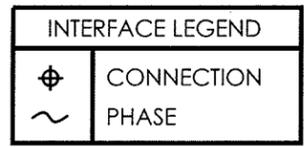


**ALTERNATIVE INSTALLATION  
 WHEN INSTALLED ALONG WITH RELIANCE SYNERGY OR 444**



CONNECTION POSITION WITH REFERENCE POINT

SINGLE CHAMBER				
	DESCRIPTION	X	Y	Z
010A	HOT WATER	2 7/16 [62]	79 7/8 [2029]	10 3/4 [273]
010B	COLD WATER	2 7/16 [62]	79 7/8 [2029]	13 1/4 [337]
021	PURE WATER	2 7/16 [62]	79 7/8 [2029]	8 1/4 [210]
040	STEAM	39 1/16 [992]	80 [2032]	16 1/2 [419]
051	AIR	14 7/16 [367]	80 7/16 [2043]	20 [508]
086	VENTILATION	4 5/16 [109]	72 1/8 [1832]	26 [660]
060	DRAIN CONNECTION	4 1/8 [105] RECOMMENDED MIN 4 1/8 [105] MAX 16 1/2 [419]	FLOOR	16 [406] RECOMMENDED MIN 8 1/2 [216] MAX 27 [686]
046	CONDENSATE RETURN	39 1/16 [992]	80 [2032]	14 [356]
090	ELECTRICAL	38 3/16 [970] APPROX.	78 7/8 [2003]	8 1/4 [210] APPROX.

1. MINIMUM DIMENSION FOR DOOR REMOVAL WITH LIMITED LEVELING ADJUSTMENT AVAILABLE  
 + 0 [0]  
 -3/4 [19.1].  
 THE STANDARD BARRIER WALL FLANGE CAN'T BE USE AT THAT DIMENSION.
2. RECOMMENDED DIMENSION FOR DOOR REMOVAL WITH FULL LEVELING ADJUSTMENT AVAILABLE  
 +1 [25.4]  
 -3/4 [19.1]  
 THE STANDARD BARRIER WALL FLANGE CAN BE USE AT THAT DIMENSION.

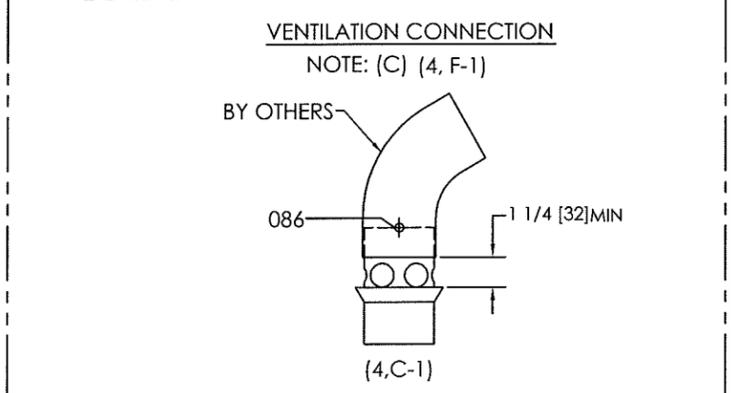
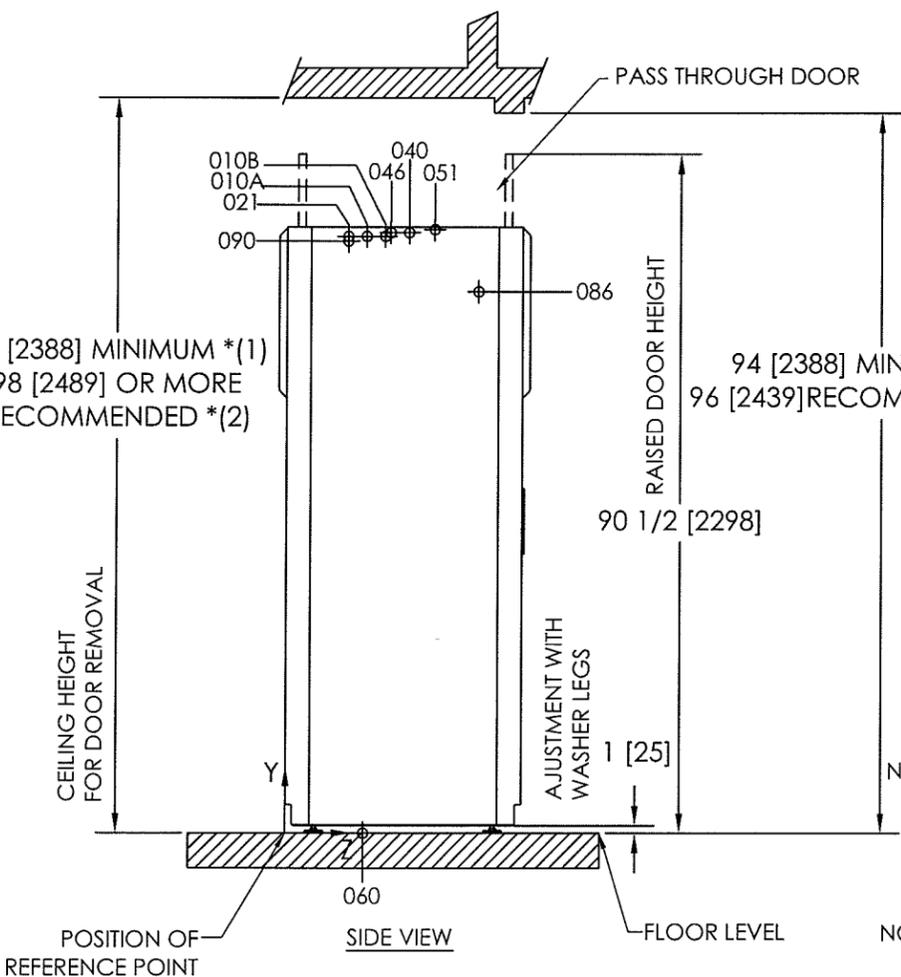
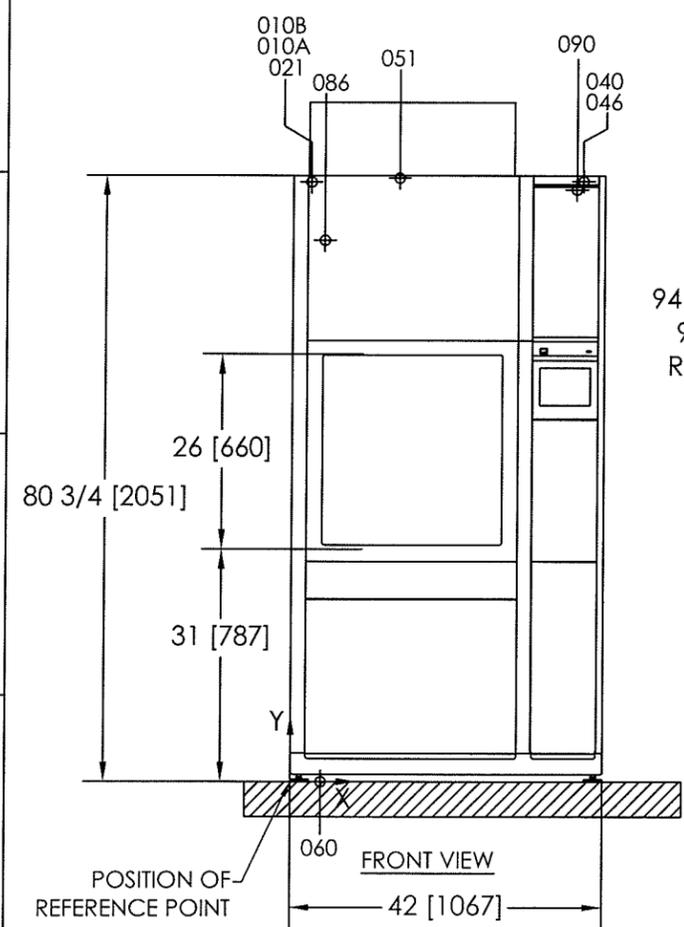
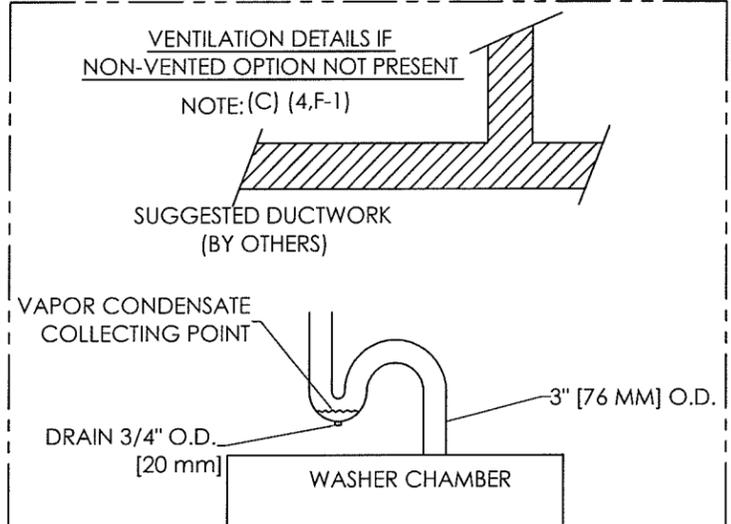
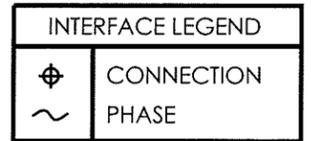
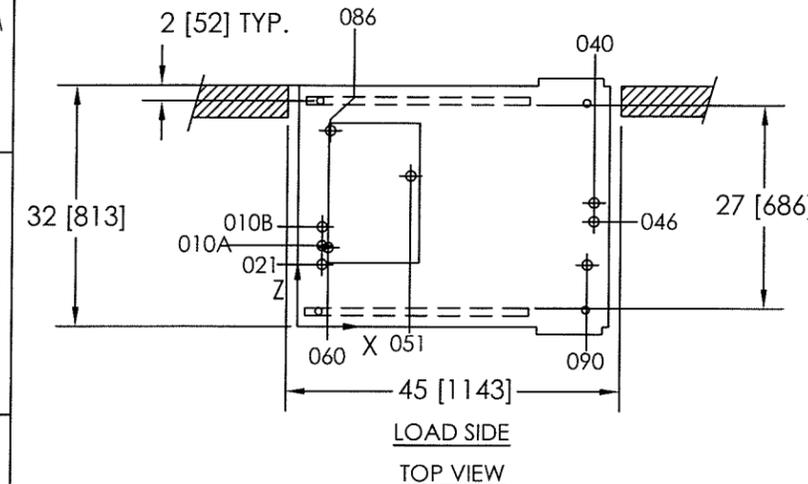
NOTE: (L) → (5, E-1)  
 NOTE: (D) →  
 NOTE: (L) → (5, E-1)

**STERIS** STERIS Canada Corporation  
This document contains confidential and proprietary information of STERIS Corporation. Neither this document nor the information herein are to be reproduced, distributed, used or disclosed, either in part or in whole, except as specifically authorized by STERIS Corporation.

TITLE Reliance® / Hamo® Vision® Single Chamber Washer/Disinfector 50 Hz / 60 Hz

DWN. NT CKD. *MM* ENG. *CU* DWG. NO. 920-508-564 1 SHEET OF 6  
 DATE 2007-04-20 DATE 2012-09-14 DATE 2012-09-14

FLUSH INSTALLATION



CONNECTION POSITION WITH REFERENCE POINT

SINGLE CHAMBER				
	DESCRIPTION	X	Y	Z
010A	HOT WATER	2 7/16 [62]	79 7/8 [2029]	10 3/4 [273]
010B	COLD WATER	2 7/16 [62]	79 7/8 [2029]	13 1/4 [337]
021	PURE WATER	2 7/16 [62]	79 7/8 [2029]	8 1/4 [210]
040	STEAM	39 1/16 [992]	80 [2032]	16 1/2 [419]
051	AIR	14 7/16 [367]	80 7/16 [2043]	20 [508]
086	VENTILATION	4 5/16 [109]	72 1/8 [1832]	26 [660]
060	DRAIN CONNECTION	4 1/8 [105] RECOMMENDED MIN 4 1/8 [105] MAX 16 1/2 [419]	FLOOR	16 [406] RECOMMENDED MIN 8 1/2 [216] MAX 27 [686]
046	CONDENSATE RETURN	39 1/16 [992]	80 [2032]	14 [356]
090	ELECTRICAL	38 3/16 [970] APPROX.	78 7/8 [2003]	8 1/4 [210] APPROX.

1. MINIMUM DIMENSION FOR DOOR REMOVAL WITH LIMITED LEVELING ADJUSTMENT AVAILABLE  
+ 0 [0]  
-3/4 [19.1].  
THE STANDARD BARRIER WALL FLANGE CAN'T BE USE AT THAT DIMENSION.
2. RECOMMENDED DIMENSION FOR DOOR REMOVAL WITH FULL LEVELING ADJUSTMENT AVAILABLE  
+1 [25.4]  
-3/4 [19.1]  
THE STANDARD BARRIER WALL FLANGE CAN BE USE AT THAT DIMENSION.

NOTE: (L) (5, E-1)

NOTE: (D)

NOTE: (L) (5, E-1)

**STERIS** STERIS Canada Corporation

This document contains confidential and proprietary information of STERIS Corporation. Neither this document nor the information herein are to be reproduced, distributed, used or disclosed, either in part or in whole, except as specifically authorized by STERIS Corporation.

TITLE Reliance® / Hamo® Vision® Single Chamber Washer/Disinfector 50 Hz / 60 Hz

DWG. NO. 920-508-564 2 SHEET OF 6

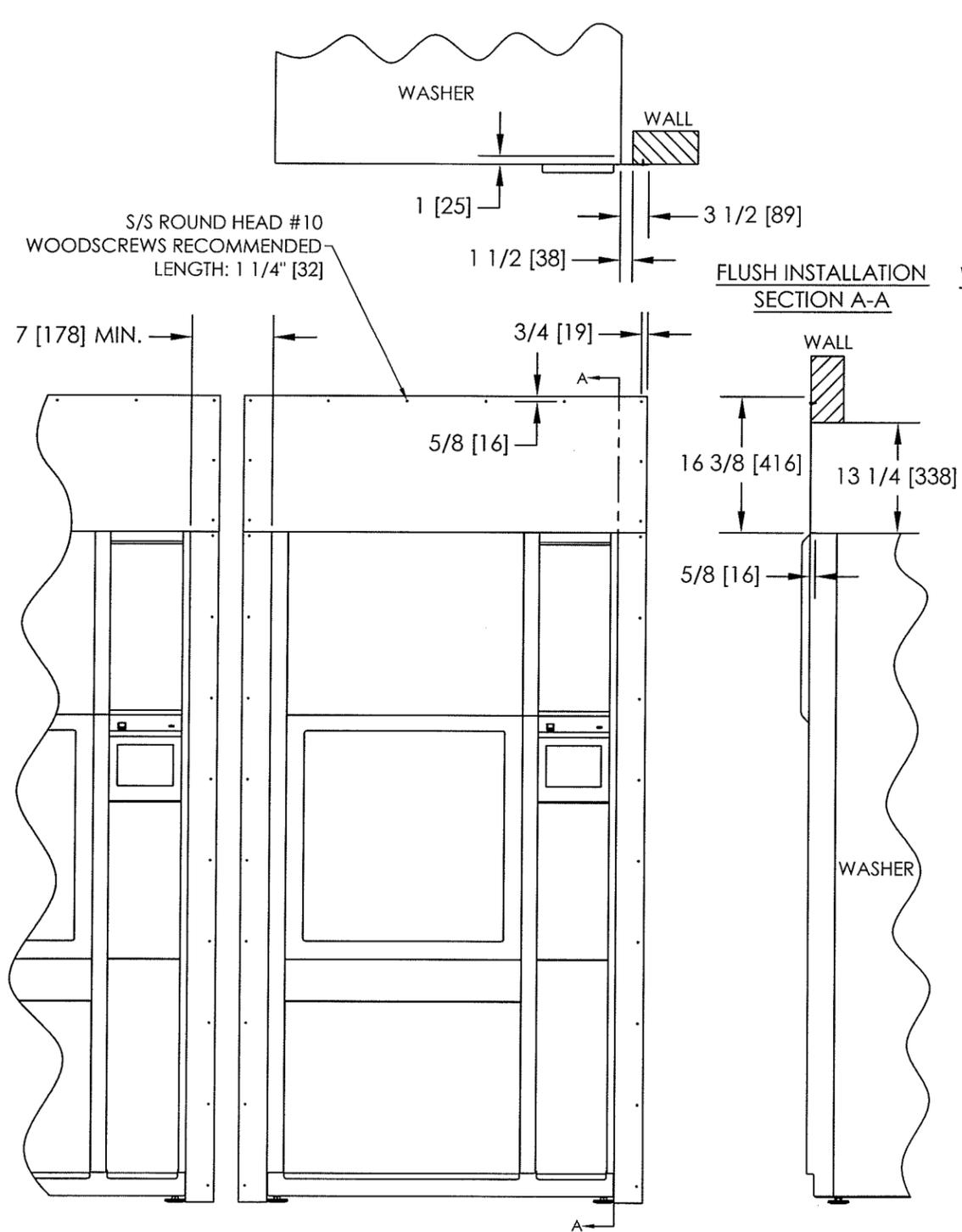
DWN. NT C.D. DATE 2007-04-20

ENG. CU DATE 2012-09-14

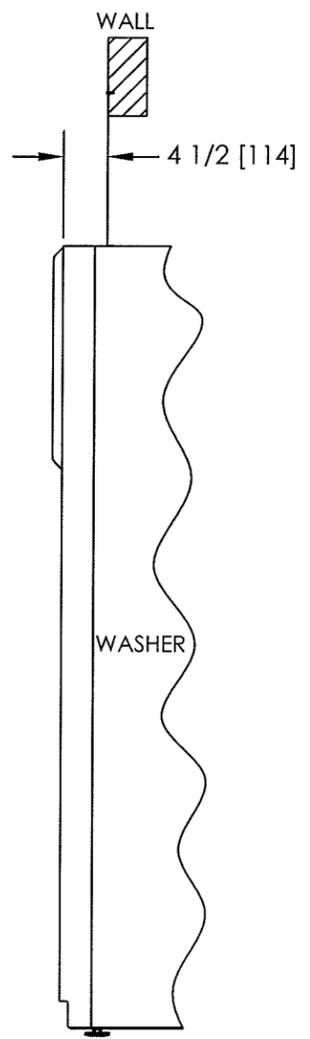
DATE 2012-09-14

A  
B  
C  
D  
E  
F  
H

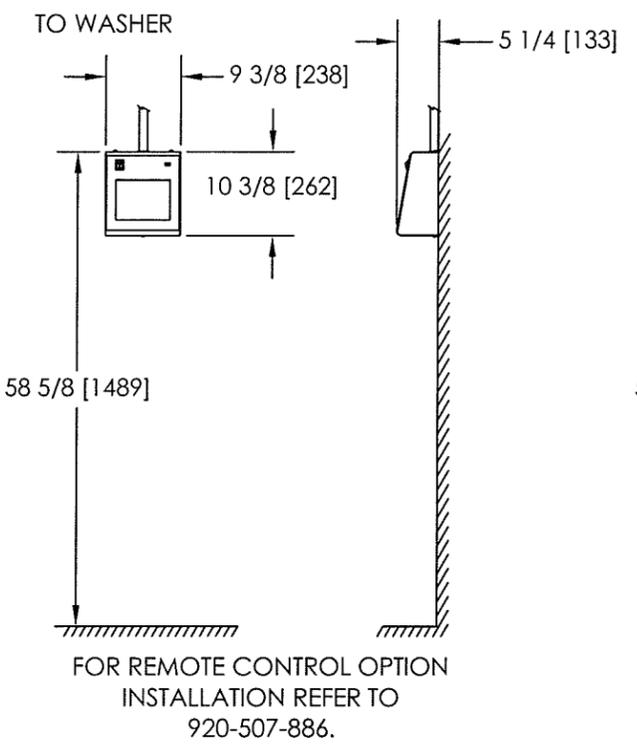
STANDARD BARRIER WALL FLANGE DETAILS



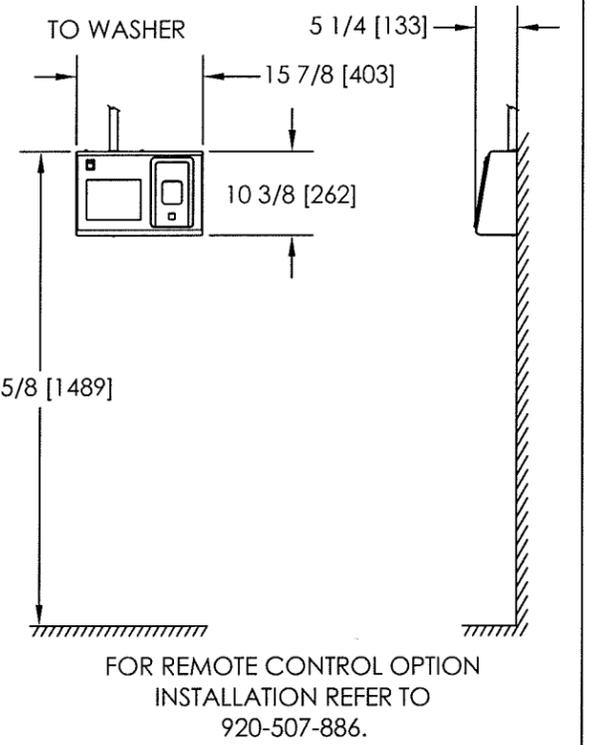
ALTERNATIVE INSTALLATION WHEN INSTALLED ALONG WITH RELIANCE SYNERGY OR 444 SECTION A-A



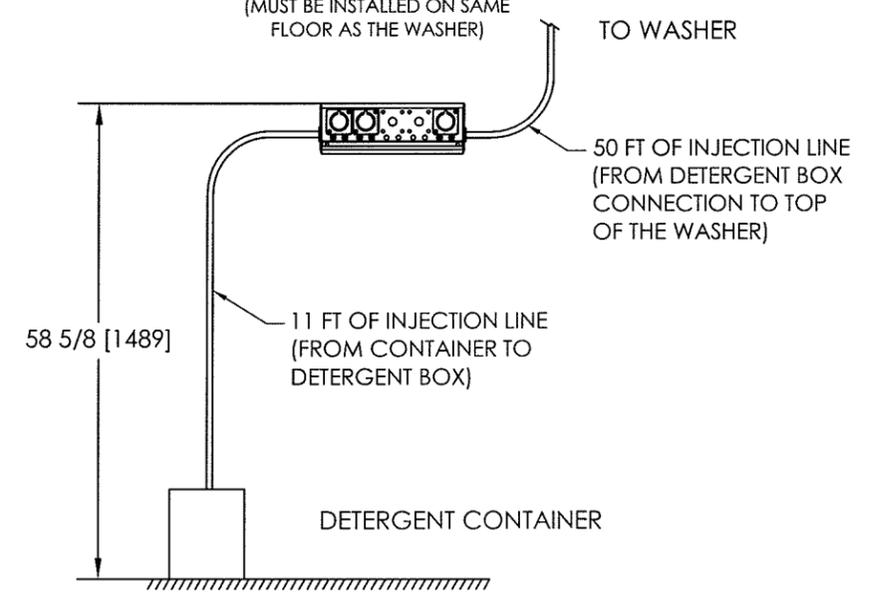
REMOTE OPERATOR TERMINAL (LOAD)



REMOTE OPERATOR TERMINAL (UNLOAD)



REMOTE DETERGENT BOX (MUST BE INSTALLED ON SAME FLOOR AS THE WASHER)



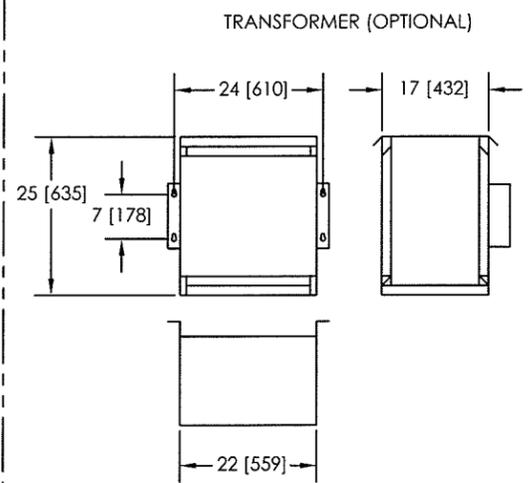
		STERIS Canada Corporation <small>This document contains confidential and proprietary information of STERIS Corporation. Neither this document nor the information herein are to be reproduced, distributed, used or disclosed, either in part or in whole, except as specifically authorized by STERIS Corporation.</small>	TITLE Reliance® / Hamo® Vision® Single Chamber Washer/Disinfector 50 Hz / 60 Hz
DWG. NT	CKD. <i>ms</i>	ENG. <i>cu</i>	DWG. NO. 920-508-564
DATE 2007-04-20	DATE 2012-09-14	DATE 2012-09-14	3 SHEET OF 6

AMCADDWG

AMCADDWG

UTILITY REQUIREMENTS CHART - MIN. DYNAMIC TO MAX. STATIC PRESSURE

DESCRIPTION	CONNECTION (E)	OPERATING CONSUMPTION		SINGLE CHAMBER - STEAM-HEATED UNIT FLOW - US gpm [ L/MIN]	SINGLE CHAMBER - ELECTRIC-HEATED UNIT FLOW - US GPM [ L/MIN]	NOMINAL TEMP.	AIR QUALITY	WATER QUALITY
		TYPE	SIZE					
010A HOT WATER (G)	NPT BSPT	1/2 1/2	15-50 PSIG DYNAMIC [103-345 kPa] MAX 90 PSIG [620 kPa] STATIC	7.2 US GPM [27.4 L/MIN] TO 14.6 US GPM [55.2 L/MIN]	7.2 US GPM [27.4 L/MIN] TO 14.6 US GPM [55.2 L/MIN]	110°F MIN. [43°C] 150°F MAX. [66°C]		120 PPM
010B COLD WATER (G)	NPT BSPT	1/2 1/2	30-50 PSIG DYNAMIC [206-345 kPa] MAX 90 PSIG [620 kPa] STATIC	12.4 US GPM [46.8 L/MIN] TO 14.6 US GPM [55.2 L/MIN]	12.4 US GPM [46.8 L/MIN] TO 14.6 US GPM [55.2 L/MIN]	70°F MAX. [21°C]		120 PPM
021 PURE WATER (IF REQUIRED) (G)	NPT BSPT	1/2 1/2	5-50 PSIG DYNAMIC [34-345 kPa] MAX 90 PSIG [620 kPa] STATIC	5.7 US GPM [21.6 L/MIN] TO 14.2 US GPM [53.9 L/MIN]	5.7 US GPM [21.6 L/MIN] TO 14.2 US GPM [53.9 L/MIN]	70°F MIN. [21°C] 180°F MAX. [82°C]		0.1 megaOhm.cm
040 STEAM (A)	NPT BSPT	1/2 1/2	30-80 PSIG DYNAMIC [206-550 kPa] MAX 90 PSIG [620 kPa] STATIC	271 LB/H AT 80 PSIG [ 123 KG/H AT 550 kPa] 1.69 LB/HR AT 30 PSIG [76.5 KG/H AT 206 kPa]				
051 AIR (B)	FEMALE NPT BSPT	1/8 1/8	MIN. 80 PSIG DYNAMIC (B) [550 kPa] MAX 125 PSIG [860 kPa] STATIC	1 SCFM [0.03 M³/MIN]	1 SCFM 0.03M³ / MIN			
086 VENTILATION (C)		3 [76]O.D.	1/2" H2O	60 SCFM [1.70 M³/MIN]	60 SCFM 1.70M³ / MIN			
060 DRAIN (D)	NPT	1 1/2		GRAVITY DRAIN 50 US GPM [189.3 L/MIN]	GRAVITY DRAIN 50 US GPM [189.3 L/MIN]			
046 CONDENSATE RETURN	NPT BSPT	1/2 1/2		PEAK: 0.54 US GPM [2.05 L/MIN]				
090 ELECTRICAL (F)	CONDUIT CONDUIT	1-1/4 [35] 1 [27]						
SHIPPING DIMENSION W x H x L AND WEIGHT				50 x 91 x 42 [1270 x 2311 x 1067] 1083 LB [491 KG]	50 x 91 x 42 [1270 x 2311 x 1067] 1083 LB [491 KG]			
OPERATING WEIGHT MAX W/LOAD				1187 LB [538 KG]	1187 LB [538 KG]			



ENGINEERING DATA-RECOMMENDED TRANSFORMER

Power	(kVA)	45
Input (HV)	(V 3~, 60Hz)	208/240/600
Output (LV)	(V 3~, 60Hz)	480
WEIGHT	LB (KG)	458 (208)
NOISE LEVEL	(dBa)	45
NO LOAD LOSS	(WATTS)	234.2
LOAD LOSS 338° F (170°C)	(WATTS)	1312.7
TOTAL LOSSES	(WATTS)	1548.9
EXCITATION CURRENT	(%)	2.53
INSTALLATION		WALL / FLOOR
SIZE	IN (MM)	SEE ABOVE
CONNECTORS PER PHASE		1AWG-250MCM
AMBIENT MAXIMUM TEMPERATURE	(°C)	40°
WINDING (HV) (LV)		COPPER

- NOTES:  
 (A) CLEAN AND DRY STEAM RECOMMENDED.  
 (B) AIR SPECIFICATIONS:  
 AS PER ISO-8573-1 CLASS 5.  
 MAX. PARTICLES SIZE 40 MICRONS  
 MAX. PARTICULATE DENSITY 10 MG/M³  
 MAX. DEW POINT FOR WATER CONTENT 45° F (7°C)  
 MAX. OIL CONCENTRATION FOR THE OIL CONTENT 25 MG/M³  
 A REFRIGERATED AIR DRYER IS RECOMMENDED WHERE ENVIRONMENTAL DEW POINT CONDITIONS ARE HIGHER THAN RECOMMENDED (CONTACT STERIS SALES REPRESENTATIVE).  
 (C) NOT REQUIRED WITH NON-VENTED OPTION. FOR ALL VENTILATION DUCTING FROM WASHER, STERIS RECOMMENDS INSTALLATION OF A DEDICATED CORROSION-PROOF AND WATER-TIGHT DUCT RATED TO AN OPERATING TEMPERATURE OF 210°F (99°F) OR MORE TO THE EXTERIOR OF THE BUILDING. SLOPED TOWARDS THE WASHER AND FREE OF DEAD LEGS. A DRAINING PORT SHOULD BE INSTALLED AT THE LOWEST POINT OF THE VENTILATION DUCT NEAR THE WASHER (1, B-10).  
 (D) OPEN DRAIN 4" [102] SINK IS RECOMMENDED.  
 IF THE DRAIN IS LOCATED JUST UNDERNEATH THE DRAIN OUTLET OF THE WASHER, A 2 1/2" FLOOR DRAIN CAN BE USED. THE FLOOR DRAIN CAN BE LOCATED ANYWHERE WITHING THE OUTLINED AREA. BUT PREFERABLY, USE THE RECOMMENDED DIMENSIONS INDICATED IN CONNECTION POSITION TABLE.  
 (E) UTILITY CONNECTION FROM TOP (REFER TO 920-517-929 FOR RECOMMENDED UTILITY CONNECTION POSITION).  
 (CONT'D (5, D-1))

	STERIS Canada Corporation	TITLE	Reliance® / Hamo® Vision® Single Chamber Washer/Disinfector 50 Hz / 60 Hz
	<small>This document contains confidential and proprietary information of STERIS Corporation. Neither this document nor the information herein are to be reproduced, distributed, used or disclosed, either in part or in whole, except as specifically authorized by STERIS Corporation.</small>		
DWG. NO. 920-508-564	DATE 2007-04-20	DATE 2012-09-14	DATE 2012-09-14
4 SHEET OF 6			

UTILITIES		CONSUMPTION PER PHASE					
INSTRUMENT CYCLE (H)	USTENSILS (I)	PRE-WASH	WASH	RINSE	THERMAL RINSE	DRYING	TOTAL/CYCLE
		HOT WATER (SUMP)	(K) US GAL [L]	—	3.1 [11.73] (P)	7.0 [26.5] (J)	7.0 [26.5] (J)
COLD WATER (SUMP)	(K) US GAL [L]	7.0 [26.5] (J)	3.9 [14.76]	—	—	—	10.9 [41.6] (Q)
COLD WATER FOR NON-VENTED (OPTION)	(K) US GAL [L]	—	—	—	2.9 [11]	10.2 [38.6]	13.1 [49.59]
COLD WATER FOR DRAIN DISCHARGE COOL DOWN (OPTION)	(K) US GAL [L]	—	3.1 [11.7]	—	8.5 [32.2]	—	11.6 [43.9]
COLD WATER FOR CONDENSATE RETURN COOL DOWN (OPTION) W CONDENSER	(K) US GAL [L]	—	3.7 [14.0]	—	4.4 [16.7]	—	8.1 [30.66]
COLD WATER FOR CONDENSATE RETURN COOL DOWN (OPTION) W/O CONDENSER	(K) US GAL [L]	—	3.4 [12.87]	—	4.0 [15.0]	—	7.4 [28.01]
PURE WATER ( IF REQUIRED)	(K) US GAL [L]	—	—	—	7.0 [26.5] (J)	—	7.0 [26.5] (J)
STEAM	(K) LB [KG]	—	7.4 [3.36]	—	8.8 [4.0]	—	16.2 [7.35]
DETERGENT PROLYSTICA ALCALIN ULTRA-CONCENTRATE OR PROLYSTICA NEUTRAL ULTRA-CONCENTRATE	OZ [ML]	—	0.7 [21.2]	—	—	—	0.7 [21.2]
PROLYSTICA ENZYME ULTRA-CONCENTRATE	OZ [ML]	—	0.7 [21.2]	—	—	—	0.7 [21.2]
PROLYSTICA LUBRICANT ULTRA-CONCENTRATE 60Hz	OZ [ML]	—	—	—	0.175 [5.3]	—	0.175 [5.3]
RINSE-AID (50Hz)	OZ [ML]	—	—	—	1.7 [13.3]	—	1.7 [13.3]

HEAT LOSS BTU/HR [AT 75°F(24°C)]	
VENTED	NON VENTED
6299 [1844]	8950 [2621]

- (F) SEE OPERATING VOLTAGE BOARD.
- (G) BACK FLOW PREVENTER AGAINST BACK SIPHONAGE MAY BE REQUIRED ON COLD WATER LINE ACCORDING TO LOCAL PLUMBING CODE (1;2, B-2). FOR HOT AND PURE WATER, BACK FLOW PREVENTER IS NOT REQUIRED.
- (H) BASED ON INSTRUMENT CYCLE (WITH DEFAULT VALUES, SEE CYCLE DESCRIPTION CHART)
- (I) BASED ON USTENSILS CYCLE (WITH DEFAULT VALUES, SEE CYCLE DESCRIPTION CHART)
- (J) IF ELECTRIC HEATED UNIT : 7.7 [29.1]
- (K) UTILITIES CONDITIONS: COLD WATER : 30 Psig DYNAMIC  
 STEAM : 50 Psig DYNAMIC  
 HOT WATER TEMP : 110°F (43°C)  
 COLD WATER TEMP : 60°F (16°C)  
 PURE WATER TEMP : 70°F (21°C)
- (L) CONNECTION NOT PRESENT IF ELECTRIC-HEATED UNIT. (1,F-8)
- (M) NEUTRAL WIRE NOT REQUIRED
- (N) AMPERAGE AND CIRCUIT PROTECTION FOR WASHER EQUIPED WITH "40 AMP MINIMUM CIRCUIT PROTECTION" OPTION.
- (O) IF ELECTRIC-HEATED UNIT : 19.2 [72.7]
- (P) IF ELECTRIC HEATED UNIT : 3.8 [14.38]
- (Q) IF ELECTRIC HEATED UNIT : 11.6 [43.9]

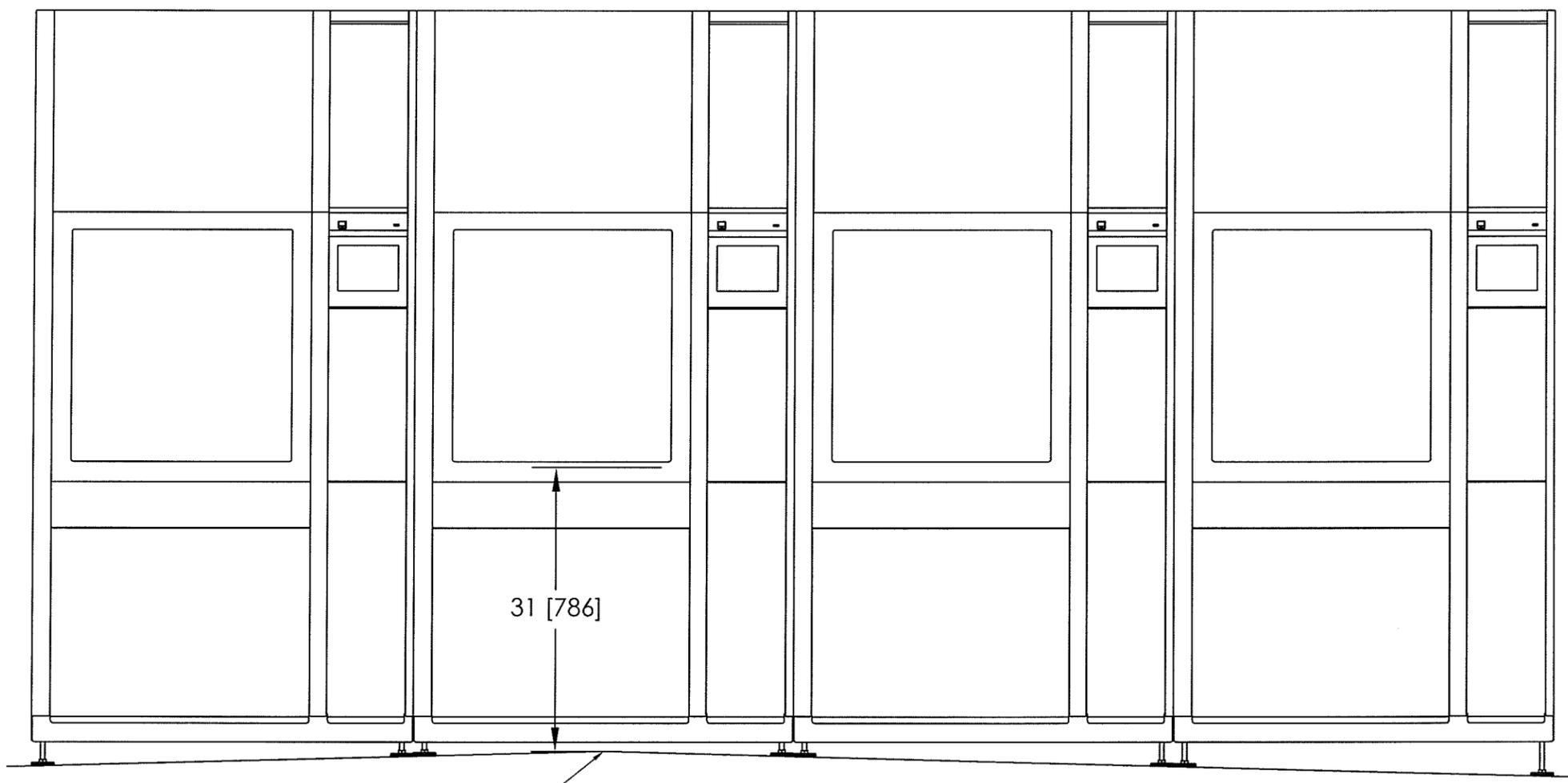
- GENERAL NOTES:
1. CUSTOMER MUST BE SURE THAT MACHINE STANDS ON A NON-COMBUSTIBLE FLOOR.
  2. STERIS RECOMMENDS AN ILLUMINATION IN SERVICE AREA (IF APPLICABLE) ALONG WITH PROVISION OF A CONVENIENCE OUTLET FOR MAINTENANCE.
  3. ISOLATION VALVES, CHECK VALVES, VACUUM BREAKERS AND FUSED DISCONNECT SWITCH ON UTILITY LINES TO WASHER AS REQUIRED ARE BY OTHERS.
  4. A-WEIGHTED EQUIVALENT SURFACE SOUND PRESSURE LEVEL: 58.2 dB(A) CALCULATED AS DESCRIBED IN ISO 3746.
  5. ALWAYS FOLLOW LOCAL ELECTRICAL CODES AND SAFETY-RELATED WORK PRATICES FOR WIRING.
  6. THE MINIMUM INLET STEAM PRESSURE TAKES INTO ACCOUNT THE NATURAL PRESSURE LOSSES AS IN THE STEAM PLUMBING OF THE WASHER AS WELL AS A CONDENSATE RETURN MAXIMUM RISE OF 17' [5182] MEASURED FROM THE BASE OF THE WASHER OR AN EQUIVALENT PRESSURE LOSS. ANY ADDITIONAL PRESSURE LOSS WILL HAVE TO BE COMPENSATED EITHER BY INCREASING THE INLET STEAM PRESSURE, BEING CAFEFUL NOT TO EXCEED THE ALLOWABLE MAXIMUM, OR BY ENSURING THAT THE STEAM SYSTEM OF THE CUSTOMER TAKES CHARGE OF THE CONDENSATE RETURN AT THE LOCATION INDICATED BEFOREHAND.
  7. INSTALLATION OF A WATER HAMMER ARRESTOR (NOT BY STERIS) IS RECOMMENDED.

	STEAM-HEATED UNIT				ELECTRIC-HEATED UNIT			
	STANDARD CONFIGURED		WITH 40 AMP MINIMUM CIRCUIT PROTECTION OPTION					
3 ~ OPERATING VOLTAGE (M)	200/208V 50Hz	200/208V 60Hz	380/400/415V 50Hz	460/480V 60Hz	(N) 200/208V 50Hz	(N) 200/208V 60Hz	380/400/415V 50Hz	460/480V 60Hz
NOMINAL AMPERAGE	36A	36A	20A	17A	32A	32A	32A	30A
RECOMMENDED CIRCUIT PROTECTION	50A *	50A *	25A *	25A *	40A *	40A *	40A *	40A *

\* ALWAYS FOLLOW LOCAL ELECTRICAL CODES AND SAFETY-RELATED WORK PRATICES TO DETERMINE THE VALUE OF PROTECTION.

	STERIS Canada Corporation	TITLE	Reliance® / Hamo® Vision® Single Chamber Washer/Disinfector 50 Hz / 60 Hz
	<small>This document contains confidential and proprietary information of STERIS Corporation. Neither this document nor the information herein are to be reproduced, distributed, used or disclosed, either in part or in whole, except as specifically authorized by STERIS Corporation.</small>		
DWG. NO. 920-508-564	DATE 2012-09-14	DATE 2012-09-14	5 SHEET OF 6

TYPICAL SIDE BY SIDE WASHER INSTALLATION.  
 (VIEW FROM SOILED SIDE)



HIGHEST FLOOR POINT

NOTE: FOR MULTIPLE WASHERS AND SCS INSTALLATION, 31" HEIGHT ADJUSTMENT IS FROM THE HIGHEST FLOOR POINT.

<b>STERIS</b> 		STERIS Canada Corporation <small>This document contains confidential and proprietary information of STERIS Corporation. Neither this document nor the information herein are to be reproduced, distributed, used or disclosed, either in part or in whole, except as specifically authorized by STERIS Corporation.</small>	TITLE Reliance® / Hamo® Vision® Single Chamber Washer/Disinfector 50 Hz / 60 Hz
DWG. NO. 920-508-564	DATE 2007-04-20	DATE 2012-09-14	6 SHEET OF 6

AUTOCAD/DWG

AUTOCAD/DWG