4 LAST LINE NUMBER: CLEAN STEAM SUPPLY 2 1/2"-SFI-650119-SS10-HC TO DECON AUTOCLAVE, AT-9002> 7A-Z-0-2-05 500 KG/HR @ 3 BARG CLEAN STEAM TO 1"-SFI-650112-SS10-HC STERILE FILTRATION, FIL-3901 7A-Z-0-2-03 30 KG/HR @ 1.1 BARG CLEAN STEAM SUPPLY 1 1/2"-SFI-650115-SS10-HC TO LYO N°1, LY0-1105 7A-Z-0-2-08 112 KG/HR @ 3 BARG CLEAN STEAM SUPPLY 1 1/2"-SFI-650114-SS10-HC CLEAN STEAM SUPPLY TO CIP/SIP STATION, STA-4701 7A-Z-0-2-22 30 KG/HR @ 1.1 BARG 1"-SFI-650117-SS10-HC CLEAN STEAM SUPPLY
TO AUTOCLAVE, AT-9001
7A-Z-0-2-06
500 KG/HR @ 3 BARG 1ST FLOOR 1ST FLOOR CHILLED WATER 3/4"-GW0R-9800234-CS1-CC LOOP RETURN 7A-M-0-5-53 2" X 3/4" 7 LPM (0.4 M3/HR) @ 1.5 BARG CHILLED WATER LOOP SUPPLY 7A-M-0-5-53 3/4"-GW0S-9800233-CS1-CC SAMPLE FUNNEL 7 LPM (0.4 M3/HR) @ 2.5 BARG PROCESS WASTE
ATMOSPHERIC DRAIN HEADER
7A-Z-0-2-29
UP TO 0.5 LPM (0.15 M3/HR)
@ GRAVITY 1 1/2"-WW2-650127-SS5-PP CLEAN STEAM FROM GENERATION 7A-Z-0-2-27 650 KG/HR @ 3 BARG 650126 650115 Hv 650134 3" X 3/4" CHILLED WATER 3/4"-GW0R-9800232-CS1-CC LOOP RETURN 7 LPM (0.4 M3/HR) @ 1.5 BARG CHILLED WATER LOOP SUPPLY 7A-M-0-5-53 650127 3/4"-GW0S-9800231-CS1-CC 7 LPM (0.4 M3/HR) @ 2.5 BARG PROCESS WASTE ATMOSPHERIC DRAIN HEADER 1 1/2"-WW2-650126-SS5-PP 7A-Z-0-2-29 UP TO 0.5 LPM (0.15 M3/HR) @ GRAVITY PRESSURIZED PROCESS
WASTE TO HEADER 1"-WW2-800025-SS5-PP 7A-Z-0-2-30 UP TO 10 LPM (0.6 M3/HR) @ 1 BARG TC-6501 SAMPLE COOLER TC-6502 SAMPLE COOLER TYPE: SPIRAX SARCO - SSC20 CAPACITY: 7.5 KW (CONDENSING 0.167 LPM) SIZE: 90 mm D x 400 mm H MOC: 316L SS DP/DT: 10 BARG @ 100 °C TYPE: SPIRAX SARCO - SSC20 CAPACITY: 7.5 KW (CONDENSING 0.167 LPM) SIZE: 90 mm D x 400 mm H MOC: 316L SS DP/DT: 10 BARG @ 100 °C

**GENERAL NOTES:** 

- 1 ALL COMPONENT & EQUIPMENT NUMBERS ARE PRECEDED BY "7A" TO REPRESENT THE FINAL DRUG
- PRODUCT (FDP) BUILDING. 2 ALL AUTOMATIC VALVES FAIL CLOSED (F.C.) UNLESS NOTED FAIL OPEN (F.O.).

  3 ALL PLC/COMPUTER CONNECTIONS ARE WITHIN THE
- PCS UNLESS OTHERWISE NOTED.
- 5 LINE NUMBER NOT USED:
- 6 LAST AUTO VALVE NUMBER:
- 7 AUTO VALVE NUMBERS NOT USED:
- 8 LAST MANUAL VALVE NUMBER: HV-650134 9 MANUAL VALVE NUMBERS NOT USED: NONE

SHEET NOTES

1 LOCATE VALVES AND REGULATORS AT OPERATOR LEVEL FOR ERGONOMIC ACCESS (TYPICALLY 1220 MM TO 1525 MM ABOVE FINISHED FLOOR).

Project Services

BLUE BELL, PA 19422 Engineering Design/Build PHONE: (610) 828-4090 FAX: (610) 828-3656 Compliance Consulting

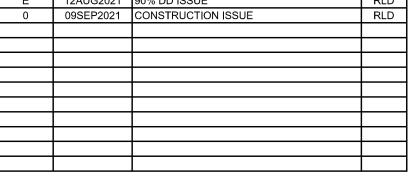
721 Arbor Way

www.ipsdb.com

Suite 100

REVISION	DATE	DESCRIPTION	BY
Α	01JUL2020	50% BD ISSUE	DLS
В	28AUG2020	90% BD ISSUE	JJR
С	27NOV2020	DESIGN ISSUE	JJR
D	12FEB2021	30% DD ISSUE	RLD
Е	12AUG2021	90% DD ISSUE	RLD
0	09SEP2021	CONSTRUCTION ISSUE	RLD
			·

IPS Professional Engineers and Architects, LLC.





R. Dr. Cesário Mota Júnior, 424 - Vila Buarque, São Paulo - SP, 01221-020

REVISION NOTES

1 REV. 0 - NONE.

CONFIDENTIAL THE INFORMATION CONTAINED HEREIN MAY NOT BE USED OR REPRODUCED IN ANY MANNER WITHOUT WRITTEN PERMISSION OF INTEGRATED PROJECT SERVICES.



**BURITI EPCMV** 

**P&I DIAGRAM DRUG PRODUCT CLEAN STEAM** DISTRIBUTION

DISTRIBUTION						
ENGINEER	ARCHITECT	DESIGNER	IPS PROJECT#			
JJR	BJE	RBN	ITD19439.01			
DRAWN BY	REVIEWED BY	SCALE	CADD FILE NAME			
LG	GJC	NONE	7A-Z-0-2-28			

DRAWING NUMBER

Robert L. De Somie. Tr. ISSUED FOR CONSTRUCTION

THIS IS NOT A SEALED DOCUMENT

7A-Z-0-2-28