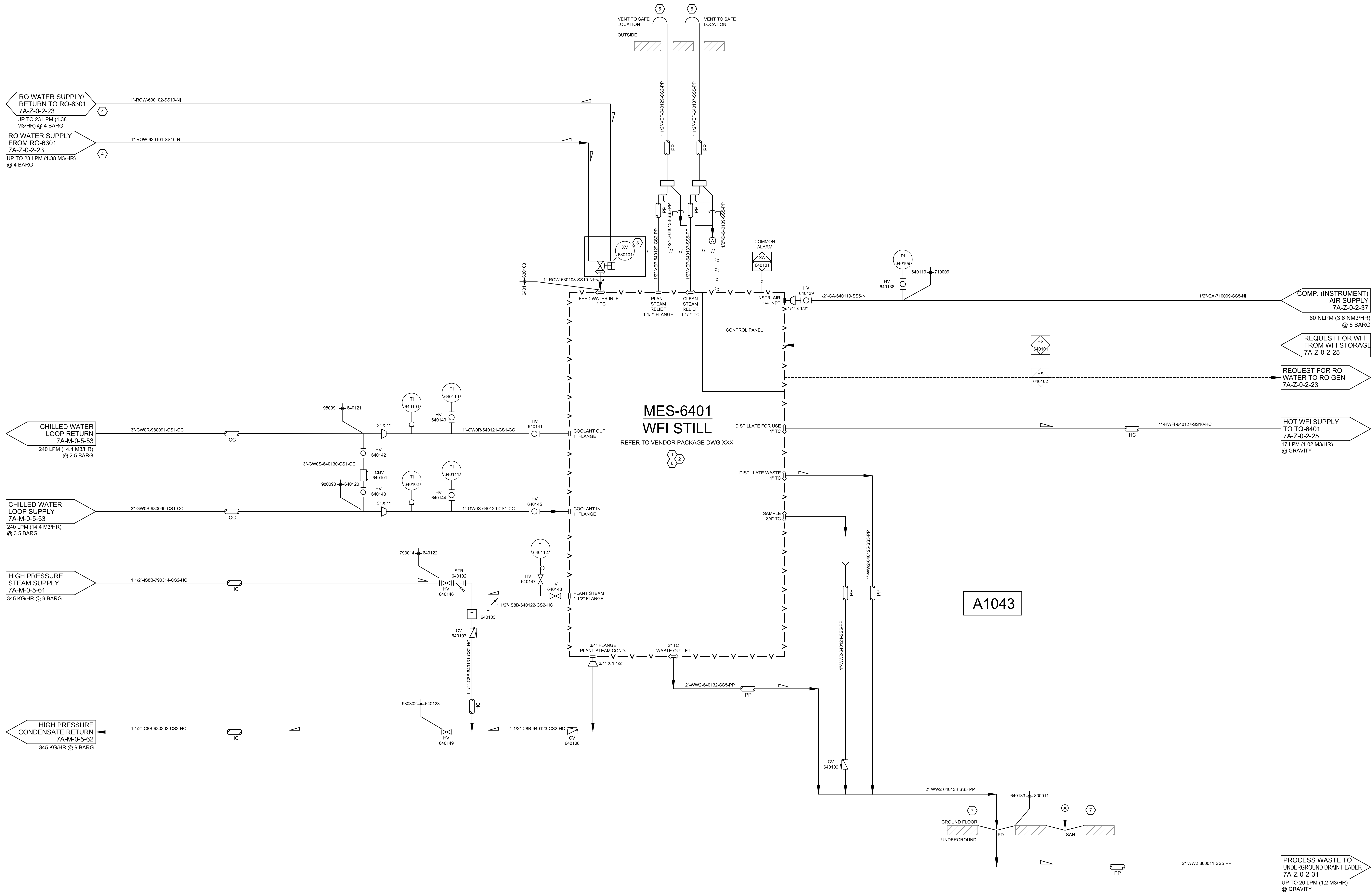


\\msh\corporate\PS\Projects\2016\1845918 - DESKING - 10 Project Drawings\Process\A\PP\7A-Z-0-2-24.dwg 8/27/21 01:05:21 AM A.Drum



MES-6401  
WFI GENERATION UNIT  
TYPE: MULTIPLE EFFECT STILL  
CAPACITY: 17 LPM @ 85 °C  
SIZE: 801" x 40"D x 112"H  
MOC: 316L SS  
ELEC: 380V/ 60HZ / 3 PH / 2.5 KW

GENERAL NOTES:

1. ALL COMPONENT & EQUIPMENT NUMBERS ARE PRECEDED BY "7A" TO REPRESENT THE FINAL DRUG PRODUCT FOP 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.
4. LAST LINE NUMBER:  
REFER TO PAID 7A-Z-0-2-26 FOR DETAILS
5. LINE NUMBER NOT USED:  
REFER TO PAID 7A-Z-0-2-26 FOR DETAILS
6. LAST AUTO VALVE NUMBER:  
REFER TO PAID 7A-Z-0-2-26 FOR DETAILS
7. AUTO VALVE NUMBERS NOT USED:  
REFER TO PAID 7A-Z-0-2-26 FOR DETAILS
8. LAST MANUAL VALVE NUMBER:  
REFER TO PAID 7A-Z-0-2-26 FOR DETAILS
9. MANUAL VALVE NUMBERS NOT USED:  
REFER TO PAID 7A-Z-0-2-26 FOR DETAILS

SHEET NOTES

1. SAMPLE POINT ON SKID.
2. THIS DIAGRAM IS BASED ON A PRELIMINARY DESIGN AND IS NOT INTENDED AS A FINAL DESIGN. FOR MORE INFORMATION ABOUT ACTUAL DESIGN INFORMATION REFER TO VENDOR DOCUMENTATION.
3. RO WATER GENERATION SKID VENDOR TO PROVIDE RO WATER SUPPLY VALVE.
4. THE RO WATER GENERATION DESIGN IS BASED ON A SYSTEM WHICH HAS TWO RO WATER SUPPLY MODES:  
"ACTIVE" DUTY CONVERTS BOTH THE SUPPLY AND RETURN LINES INTO SUPPLY LINES DURING FILLING LINES COMING TO SUPPLY 0.3 LPM.  
"STANDBY" DUTY SLOWS THE FLOW AND THE SUPPLY AND RETURN ACT AS A NORMAL LOOP.
5. VENT TO A SAFE LOCATION. VENTS TO THE BUILDING EXTERIOR SHALL BE INSTALLED WITH A BIRD SCREEN. LOCAL VENT AND DRAIN PIPING TO BE ROUTED AFTER EQUIPMENT IS SET IN FINAL LOCATION. PIPING IS NOT DETAILED ON ROUTING PLANS.
6. LOCATE VALVES AND REGULATORS AT OPERATOR LEVEL FOR ERGONOMIC ACCESS (TYPICALLY 1220 MM TO 1525 MM ABOVE FINISHED FLOOR).
7. PROVIDE A 50 MM MINIMUM AIR GAP FOR FLOOR DRAINS.

**ips**

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REVISION	DATE	DESCRIPTION	BY
A	01JUL2020	90% BD ISSUE	RJS
B	27AUG2020	90% BD ISSUE	JJR
C	27NOV2020	DESIGN ISSUE	JJR
D	12FEB2021	90% DD ISSUE	RJD
E	06AUG2021	90% DD ISSUE	RJD
F	02SEP2021	CONSTRUCTION ISSUE	RJD

**TESSLER**  
engenharia

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

REVISION HISTORY

1 REV. 0: NONE.

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CLIENT

**Takeda**

**Hemobrás**  
Empresa S.A. de Capital de Risco - Sociedade Anônima

BURITI EPCMV

DRAWING TITLE

**P&I DIAGRAM  
DRUG PRODUCT  
WFI STILL  
MES-6401**

ENGINEER JJR	ARCHITECT BJE	DESIGNER RBN	IPS PROJECT # ITD19439.01
DRAWN BY LG	REVIEWED BY GJC	SCALE NONE	CADD FILE NAME 7A-Z-0-2-24

XREF FILE(S)

DRAWING NUMBER

**7A-Z-0-2-24**

SEAL

THIS IS NOT A  
SEALED DOCUMENT

DATE: \_\_\_\_\_

ISSUED FOR  
CONSTRUCTION