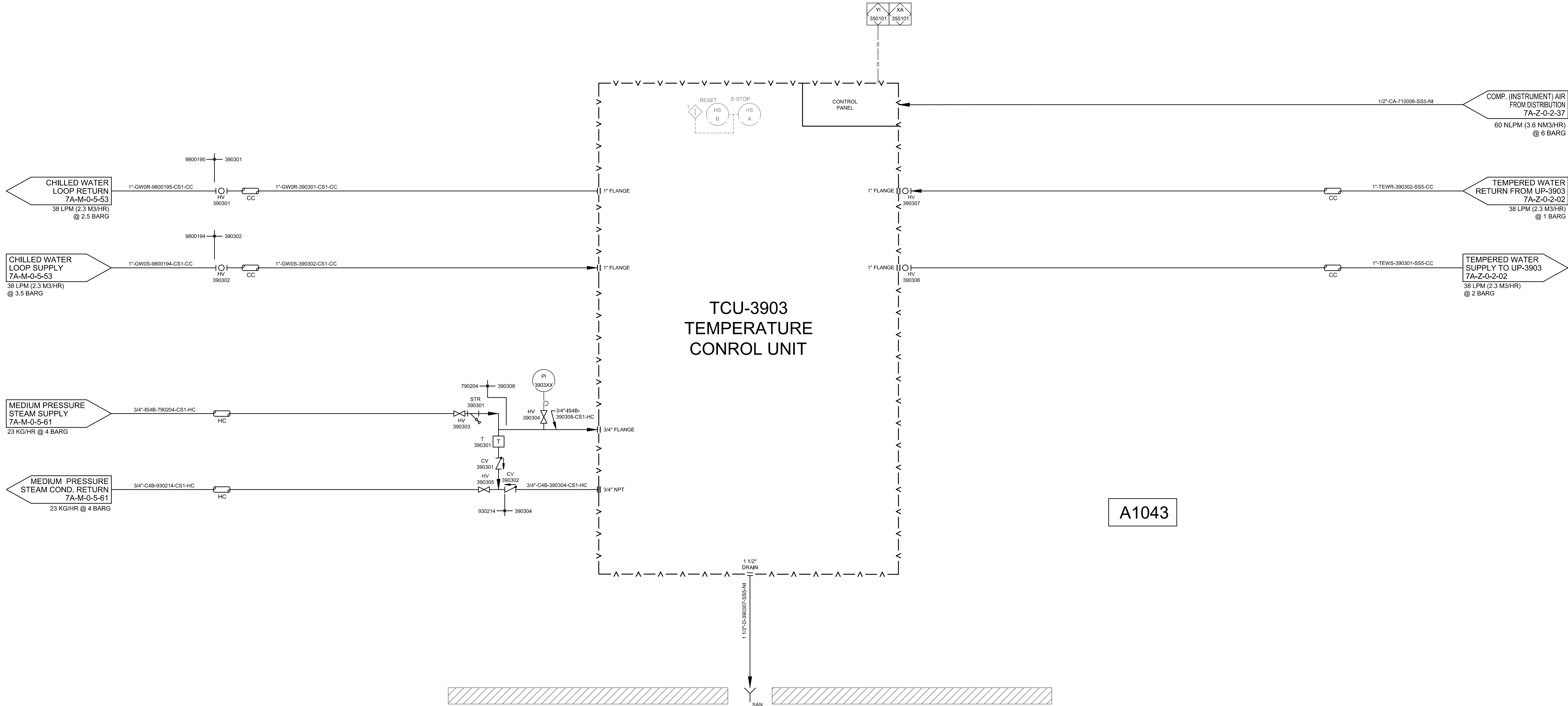


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TCU-3903
TEMPERATURE CONTROL UNIT
TYPE: CLOSED LOOP HEAT / OPEN LOOP COOL
FLOW: 38 LPM
SIZE: TBD
MOC: 304SS FRAME
POWER: 1.15 KW, 3/60/380VAC



GENERAL NOTES:

1. ALL COMPONENT & EQUIPMENT NUMBERS ARE PRECEDED BY "7A" TO REPRESENT THE FINAL DRUG PRODUCT (POP) 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: 390308
5. LINE NUMBER NOT USED: NONE
6. LAST AUTO VALVE NUMBER: NONE
7. AUTO VALVE NUMBERS NOT USED: NONE
8. LAST MANUAL VALVE NUMBER: HV-390305
9. MANUAL VALVE NUMBERS NOT USED: NONE

SHEET NOTES

1. NONE.

INTERLOCKS

1. SAFETY INTERLOCK - E-STOP ACTIVATION REMOVES AIR TO ALL ACTUATED VALVES AND DE-ENERGIZES ALL MOTORS (HARDWIRED).

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REVISION	DATE	DESCRIPTION	BY
A	28AUG2020	90% BD ISSUE	JJR
B	27NOV2020	DESIGN ISSUE	JJR
C	12FEB2021	90% DO ISSUE	RLD
D	16JUL2021	90% DO ISSUE	RLD
E	16AUG2021	CONSTRUCTION ISSUE	RLD



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

REVISION HISTORY

1. REV. 0 - NONE.

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CLIENT



BURITI EPCMV

DRAWING TITLE

P&I DIAGRAM
DRUG PRODUCT
FORMULATION AREA TEMP
CONTROL UNIT, TCU-3903

ENGINEER	ARCHITECT	DESIGNER	IPS PROJECT #
JJR	BJE	RBN	ITD19439.01
DRAWN BY	REVIEWED BY	SCALE	CADD FILE NAME
LG	GJC	NONE	7A-Z-0-2-10

XREF FILE(S)

DRAWING NUMBER

7A-Z-0-2-10

SEAL

THIS IS NOT A
SEALED DOCUMENT

DATE:

Robert L. De Souza Jr.

ISSUED FOR
CONSTRUCTION