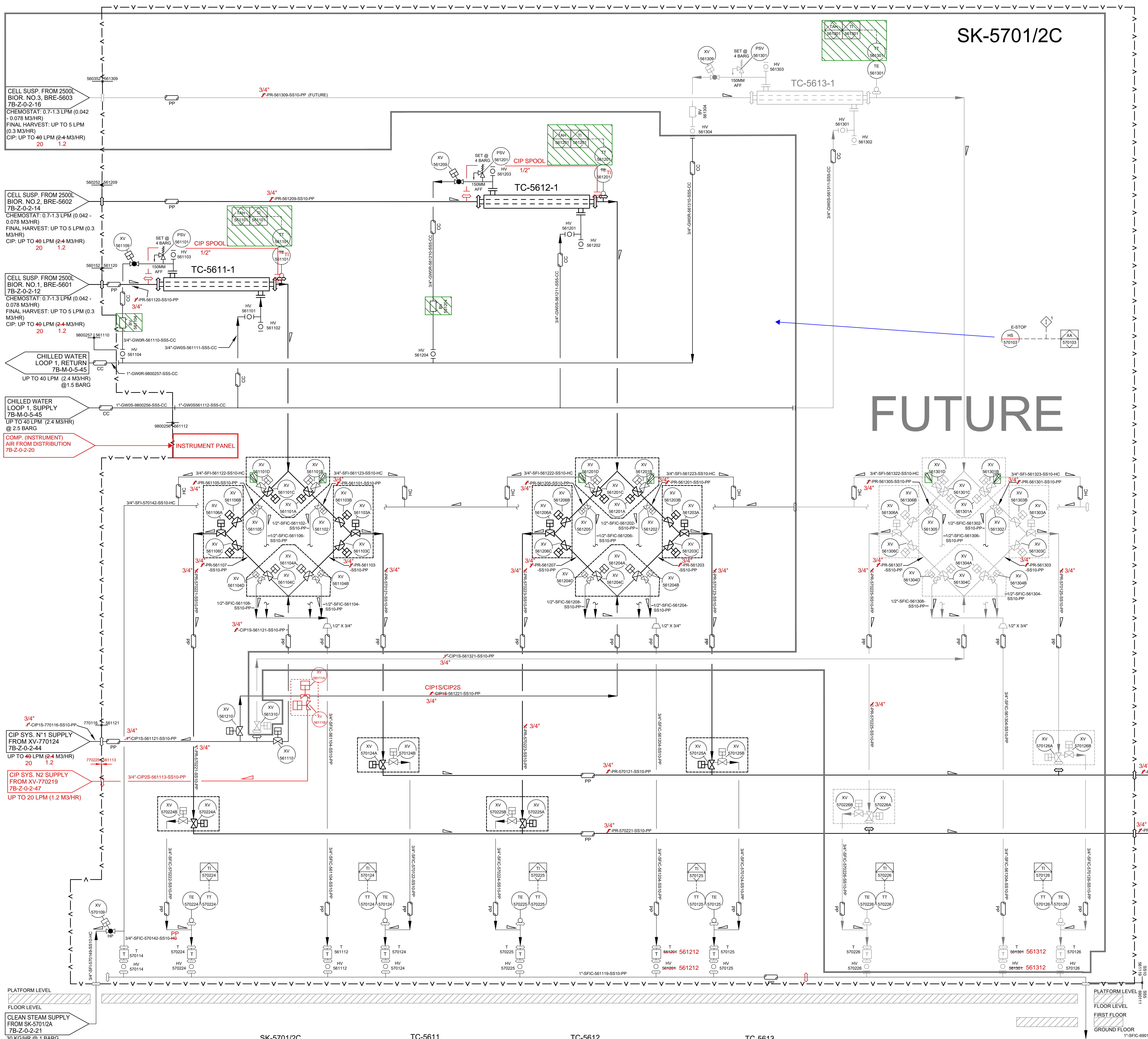


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GENERAL NOTES:

- 1 ALL COMPONENT & EQUIPMENT NUMBERS ARE PRECEDED BY "7B" TO REPRESENT THE BULK DRUG SUBSTANCE (BDS) BUILDING.
- 2 ALL AUTOMATIC VALVES FAIL CLOSED (F.C.) UNLESS NOTED OTHERWISE.
- 3 ALL PLC/COMPUTER CONNECTIONS ARE WITHIN THE PCS UNLESS OTHERWISE NOTED.
- 4 LAST LINE NUMBER: N/A
- 5 LINE NUMBER NOT USED: N/A
- 6 LAST AUTO VALVE NUMBER: N/A
- 7 AUTO VALVE NUMBERS NOT USED: N/A
- 8 LAST MANUAL VALVE NUMBER: N/A
- 9 MANUAL VALVE NUMBERS NOT USED: N/A

SHEET NOTES

- 1 NONE.

INTERLOCKS

- 1 SAFETY INTERLOCK - E-STOP ACTIVATION (7B-Z-0-2-1) REMOVES AIR TO ALL ACTUATED VALVES AND DE-ENERGIZES ALL MOTORS (HARDWIRED).
- 2 PROCESS INTERLOCK - AUTOMATED VALVES XV-56111B AND XV-561210 CANNOT BE OPENED AT THE SAME TIME.
- 3 PROCESS INTERLOCK - AUTOMATED VALVES XV-56111A AND XV-56111B CANNOT BE OPENED AT THE SAME TIME.

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REVISION	DATE	DESCRIPTION	BY
A	01JUL2020	90% BD ISSUE	JJR
B	28AUG2020	90% BD ISSUE	JJR
C	27NOV2020	DESIGN ISSUE	JJR
D	12FEB2021	100% DD ISSUE	RLO
E	16JUL2021	90% DD ISSUE	RLO
F	16AUG2021	CONSTRUCTION ISSUE	RLO

DRAFT
INTERIM P&ID REDLINES
14JUL2022

TESSLER
engenharia

R. Dr. Cesarino Mota Junior, 434 - Vila Buarque, São Paulo - SP, 01221-020

REVISION HISTORY

- 1 REV. B - ADDED BALANCING VALVES BV-561104, BV-561204, AND BV-561304 TO IN-LINE COOLER CHILLED WATER OUTLETS.

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CLIENT

Takeda
Hemobrás
Engenharia de Processos e Manufatura

BURITI EPCMV

DRAWING TITLE

P&ID DIAGRAM
DRUG SUBSTANCE
COLLECTION VESSEL FEED
PIPING DISTRIBUTION

ENGINEER: JJR
ARCHITECT: BJE
DESIGNER: JJR
IPSP PROJECT #
ITD19439.01
DRAWN BY: JJR
REVIEWED BY: SCALE
CADD FILE NAME
7B-Z-0-2-20

REF FILE(S)

DRAWING NUMBER

REVISION
0
A
VERSION

7B-Z-0-2-20

**ISSUED FOR
CONSTRUCTION**

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DATE: