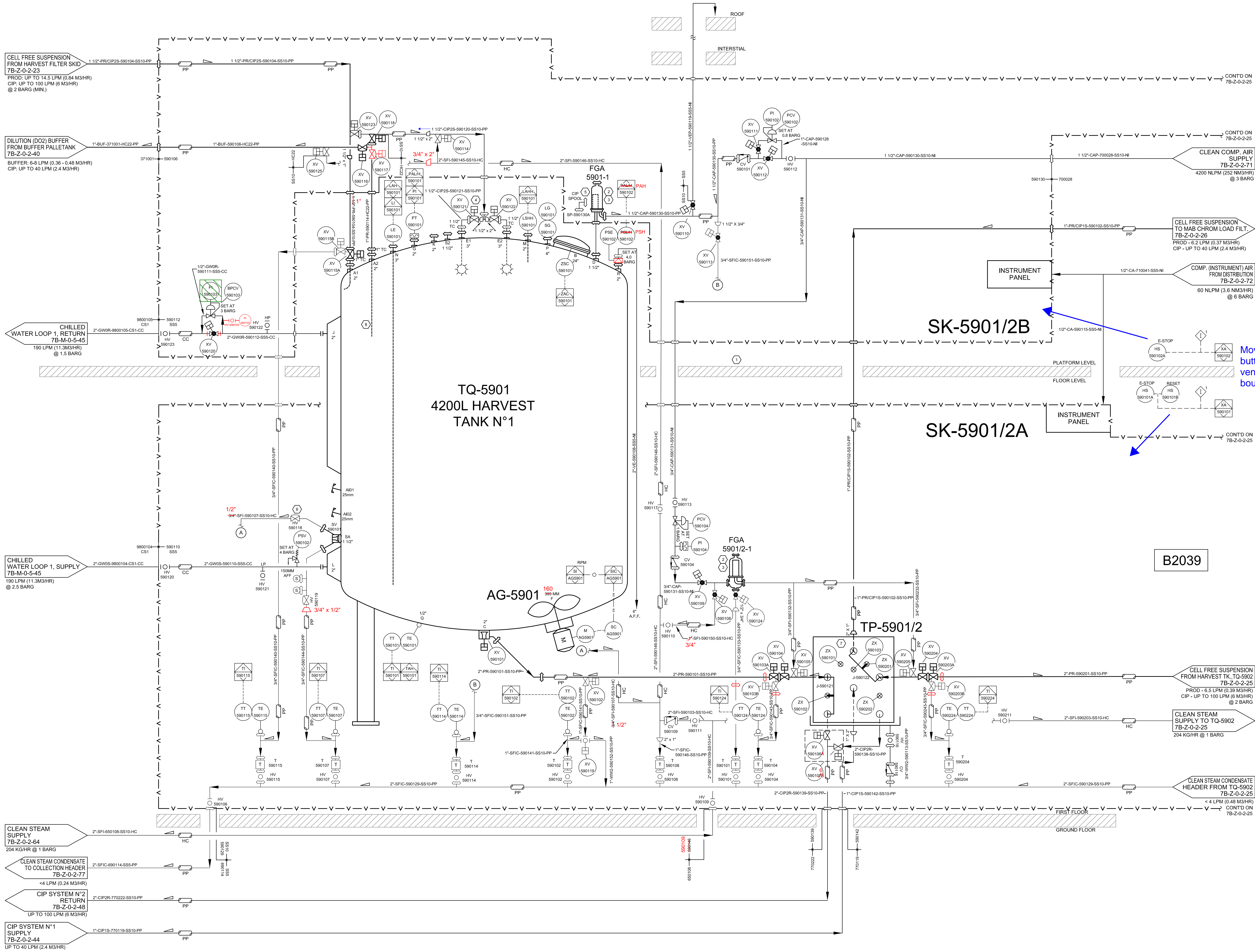


\\north-01\corporate\PS\Arquivos\2019\194396 - DES\2019_10\Project Drawings\Process\7B-Z-0-2-24.dwg, 6/14/21, 06:22:03 PM, mmskld



- 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 FAIL OPEN (F.O.).
 - 3 ALL PLC/COMPUTER CONNECTIONS ARE WITHIN THE PCS UNLESS OTHERWISE NOTED.
 - 4 LAST LINE NUMBER: 590102
 - 5 LINE NUMBER NOT USED: 590105, 590110, 7B, 22, 23, 24, 37, 47, 49
 - 6 LAST AUTO VALVE NUMBER: 590125
 - 7 AUTO VALVE NUMBERS NOT USED: N/A
 - 8 LAST MANUAL VALVE NUMBER: 590123
 - 9 MANUAL VALVE NUMBERS NOT USED: 590103, 05

- SHEET NOTES
- 1 THE EQUIPMENT ACCESS PLATFORM IS NOT PART OF THE PROCESS SKID VENDOR'S SCOPE AND WILL BE FIELD ERECTED.
 - 2 FILTER HOUSING WILL BE CLEANED OUT OF PLACE.
 - 3 FILTER INTEGRITY TESTING PERFORMED OUT OF PLACE.
 - 4 SPRAYBALL ASSEMBLY WITH DOWN-ROW VALVES (XV-590121/590122) TO BE PROVIDED LOOSEBY VENDOR FOR FIELD INSTALLATION.
 - 5 1" STYLE FILTER W/ EXTENDED STRAIGHT FERRULE. FILTER HOUSING REPLACED WITH SPOOL PIECE DURING VESSEL CIP.
 - 6 SAMPLE TEES TO BE ORIENTED AWAY FROM OPERATOR DURING MANUAL ACTUATION OF HV-590118.
 - 7 PORTS/NOZZLES SUPPLIED WITH 316L SS STAINLESS STEEL BLIND CAPS WITH BLEED VALVES FOR ZERO ENERGY.
 - 8 SALINE BUFFER DUCT TO EXTEND JUST ABOVE 4200L WORKING VOLUME LEVEL.

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

ips
Integrated Project Services
721 Arbor Way Suite 100
BLUE BELL, PA 19422
PHONE: (610) 828-4090
FAX: (610) 828-3656
www.ipsdb.com
IPS Professional Engineers and Architects, LLC.

REVISION	DATE	DESCRIPTION	BY
A	01JUL2020	50% BD ISSUE	JJR
B	28AUG2020	50% BD ISSUE	JJR
C	27NOV2020	DESIGN ISSUE	JJR
D	12FEB2021	30% DD ISSUE	RLO
E	15JUL2021	50% DD ISSUE	RLO
F	16AUG2021	CONSTRUCTION ISSUE	RLO



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

REVISION HISTORY
1 REV. 0 - DO2 BUFFER ADDITION PIPE SPEC CHANGED TO HASTELLOY (H225)

ISSUED FOR CONSTRUCTION

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

CLIENT
Takeda
Hemobrás
Empresas Brasileiras de Hemoderivados e Biotecnologia
BURITI EPCMV

DRAWING TITLE
**P&I DIAGRAM
DRUG SUBSTANCE
4200L HARVEST
TANK N°1, TQ-5901**

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

REVISION
0
A
VERSION
7B-Z-0-2-24

SEAL
THIS IS NOT A SEALED DOCUMENT
DATE: _____