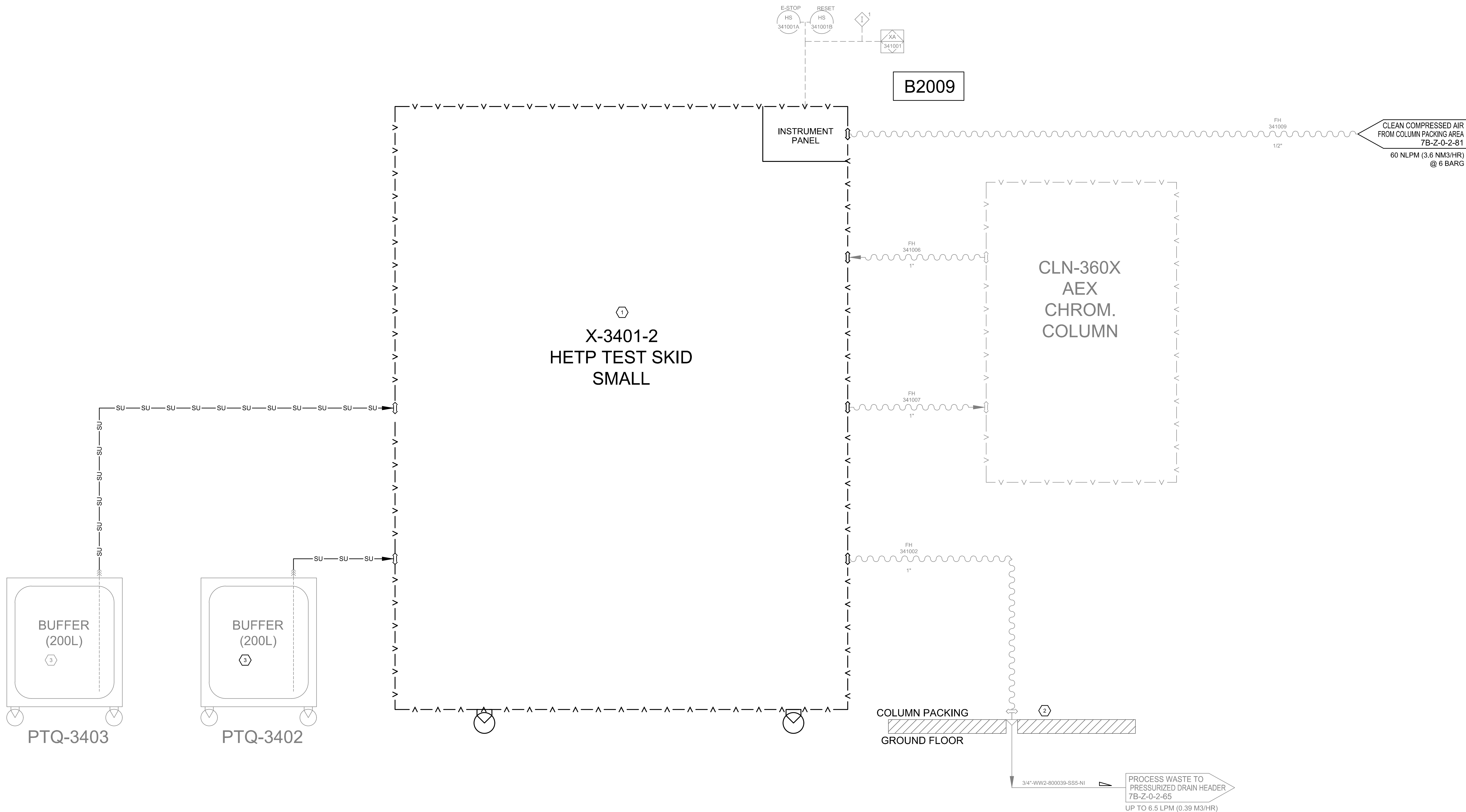


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X-3401-2
HETP TEST SKID

TYPE: MULTI PUMP
CAPACITY: 0.5-25 LPH
MFG: TBD
MOC: 316L SS
ELEC: 8A, 3PH60HZ/380V



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: N/A
5. LINE NUMBER NOT USED: NONE
6. LAST AUTO VALVE NUMBER: NONE
7. AUTO VALVE NUMBERS NOT USED: NONE
8. LAST MANUAL VALVE NUMBER: NONE
9. MANUAL VALVE NUMBERS NOT USED: NONE

SHEET NOTES

1. TO ASSIST IN MONITORING THE PROCESS, THE CHROMATOGRAPHY SKIDS WILL BE SUPPLIED WITH UV DETECTORS, CONDUCTIVITY SENSORS AND PH SENSORS.
2. NORMALLY A SEALED DRAIN, CONNECTED TO EQUIPMENT FOR PROCESS WASTE DRAIN.
3. UTILITY CONNECTIONS, ANCILLARY EQUIPMENT AND FLEXIBLE HOISING ARE SHARED BETWEEN ALL EQUIPMENT IN COLUMN PACKING.

INTERLOCKS

1. SAFETY INTERLOCK - E-STOP ACTIVATION REMOVES POWER SUPPLY TO PROCESS SKID TO AND REMOVES POWER SUPPLY TO RECEPTACLES (HARDWIRED).

ips

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REVISION	DATE	DESCRIPTION	BY
A	12FEB2021	90% DD ISSUE	RLD
B	06AUG2021	90% DD ISSUE	RLD
0	02SEP2021	CONSTRUCTION ISSUE	RLD

TESSLER
engenharía

R. Dr. Cesário Motta Júnior, 424 - Vila Bourque, São Paulo - SP, 01211-020

REVISION HISTORY

1 REV. 0 - NONE.

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CLIENT

Takeda

Hemobrás
Empresa Brasileira de Hemoderivados e Diagnóstico

BURITI EPCMV

DRAWING TITLE

**P&I DIAGRAM
DRUG SUBSTANCE
HETP TEST SKID, SMALL
X-3401-2**

ENGINEER RLD	ARCHITECT BJE	DESIGNER RBN	IPS PROJECT # ITD19439.01
DRAWN BY RBN	REVIEWED BY GJC	SCALE NONE	CADD FILE NAME 7B-Z-0-2-83

XREF FILE(S)

DRAWING NUMBER

7B-Z-0-2-83

SEAL

THIS IS NOT A
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DATE:

ISSUED FOR
CONSTRUCTION