

[illegible]

#### REVISION HISTORY

1 REV. 0 - NONE

GENERAL NOTES:

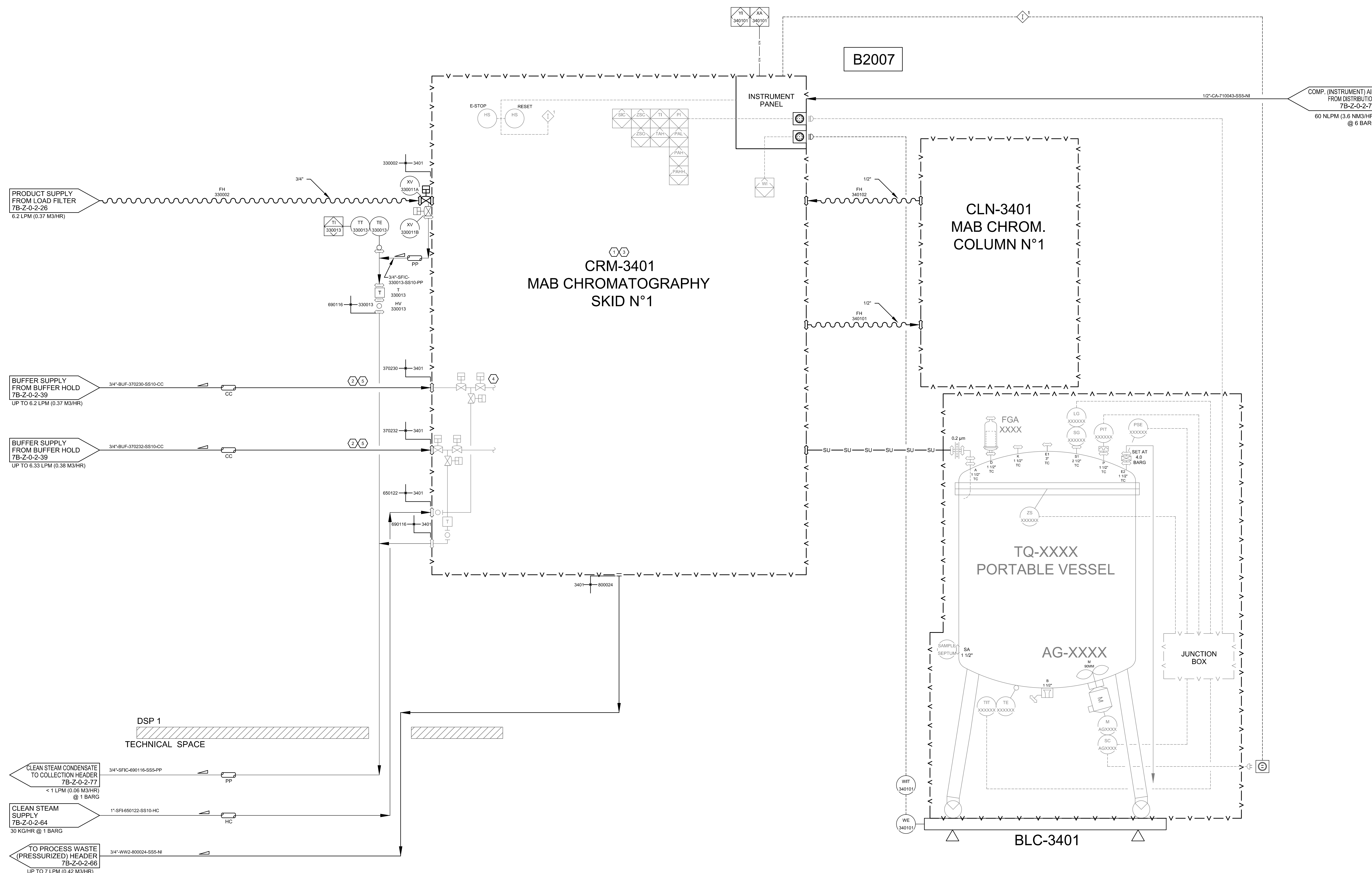
- 1 ALL COMPONENT & EQUIPMENT NUMBERS ARE  
PRECEDED BY "S" TO REPRESENT THE BULK DRUG  
SUBSTANCE (BDS) BUILDING.
- 2 ALL AUTOMATIC VALVES FAUL CLOSED (F.C.)  
UNLESS NOTED FAUL OPEN (F.O.).
- 3 ALL PLC/COMPUTER CONNECTIONS ARE WITHIN THE  
PCB UNLESS OTHERWISE NOTED.
- 4 LAST LINE NUMBER:  
NONE
- 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 THE CHROMATOGRAPHY SKID WILL BE SPECIFIED WITH A SIPABLE GUARD FILTER. FINAL DESIGN WILL BE LEFT UP TO THE EQUIPMENT SUPPLIER.
- 2 BUFFER FEED LINES ARE STEAMED-IN-PLACE USING CLEAN STEAM SUPPLIED FROM CLEAN STEAM DISTRIBUTION THROUGH THE CHROMATOGRAPHY SKID DESIGN.
- 3 TO ASSIST IN MONITORING THE PROCESS, THE CHROMATOGRAPHY SKIDS WILL BE SUPPLIED WITH UV DETECTORS AND CONDUCTIVITY SENSORS.
- 4 NOT INTENDED AS FINAL DESIGN. ONLY SHOWING DESIGN INTENT WITH VENDOR RESPONSIBLE FOR FINAL DESIGN.
- 5 BUFFER FED FROM PALLETKANS FOR SHOWN ON 7B-Z-0.2-37 CONNECTED TO HARD PIPE ON 7B-Z-0.2-39 AND THEN TO THIS DRAWING.

## INTERLOCKS

- 1 SAFETY INTERLOCK - E-STOP ACTIVATION  
REMOVES AIR TO ALL ACTUATED VALVES AND  
DE-ENERGIZES ALL MOTORS ON SKID AND  
PORTABLE TANK DE-ENERGIZED RECEPTACLE FOR  
PORTABLE TANK AGITATOR (HARDWIRED).

CRM-3401  
MAB CHROM 1

TYPE: MULTI PUMP W/GUARD FILTER  
CAPACITY: 15-420 LPH  
MFG: TBD  
MOC: 316L SS  
ELEC: 40A, 3PH/60HZ/380V

CIN-3401

MAB CHROM COLUMN 1

TYPE: ISOPAK  
CAPACITY: 28L CV  
SIZE: 60 CM  
MOC: HASTELOY C22

BI C-3401

MAB CHROM FLOOR SCALE

TYPE: PORTABLE FLOOR SCALE  
CAPACITY: 500 KG  
SIZE: 1000mm X 1000mm  
MOC: 304 SS

Robert L. De Sonci Jr

ISSUED FOR  
CONSTRUCTION

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THIS IS NOT A  
SEALED DOCUMENT

DATE \_\_\_\_\_

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CLIENT



**Hemobrás**  
Cremasas hemofílicas de hematofilia e de hematofilia

**BURITI EPCMV**

DRAWING TITLE

**DRAWING TITLE**

**P&I DIAGRAM  
DRUG SUBSTANCE  
MAB CHROMATOGRAPHY  
N°1, CRM-3401**

|                 |                    |                 |                               |
|-----------------|--------------------|-----------------|-------------------------------|
| ENGINEER<br>JJR | ARCHITECT<br>BJE   | DESIGNER<br>RBN | IPS PROJECT #<br>ITD19439.0   |
| DRAWN BY<br>LG  | REVIEWED BY<br>GJC | SCALE<br>NONE   | CADD FILE NAME<br>7B-Z-0-2-27 |

XREF FILE(S)

|  |                |
|--|----------------|
|  | DRAWING NUMBER |
|--|----------------|

100% 90% 80% 70% 60% 50% 40% 30% 20% 10% 0%

**7B-Z-0-2-2**