

[illegible]

#### REVISION HISTORY

1 REV. 0 - NONE

GENERAL NOTES:

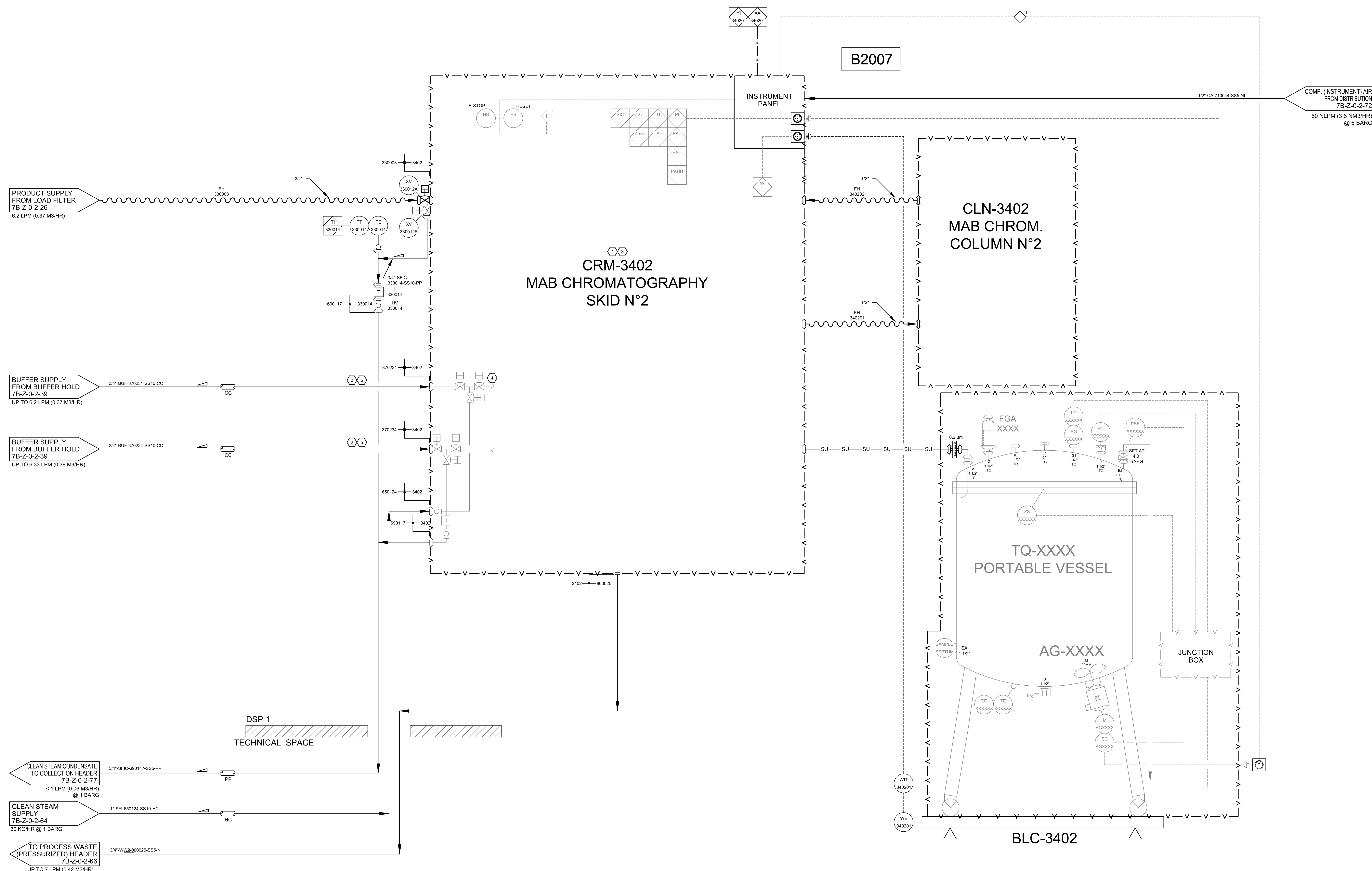
- 1 ALL COMPONENT & EQUIPMENT NUMBERS ARE PRECEDED BY "78" TO REPRESENT THE BULK DRUG SUBSTANCE (BDS) BUILDING.
- 2 ALL AUTOMATIC VALVES FAIL CLOSED (F.C.) UNLESS NOTED FAIL OPEN (F.O.).
- 3 ALL PLC/COMPUTER CONNECTIONS ARE WITHIN THE PCS UNLESS OTHERWISE NOTED.
- 4 LAST LINE NUMBER:  
NONE
- 5 LINE 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).



<p><b><u>CRM-3402</u></b>  <b>MAB CHROM 2</b></p> <p>TYPE: MULTI PUMP  CAPACITY: 15-420LPH  MFG: TBD  MOC: 316L SS  FLFC: 40A, 3PH/60HZ/3ØV0</p>	<p><b><u>CLN-3402</u></b>  <b>MAB CHROM COLUMN 2</b></p> <p>TYPE: ISOPAK  CAPACITY: 28L CV  SIZE: 60 CM  MOC: HASTELOY C22</p>	<p><b><u>BLC-3402</u></b>  <b>MAB CHROM FLOOR SCALE</b></p> <p>TYPE: PORTABLE FLOOR SCALE  CAPACITY: 500 KG  SIZE: 1000mm X 1000mm  MOC: 304 SS</p>
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Robert L. De Sonini, Jr.  
ISSUED FOR  
CONSTRUCTION

SEAL

THIS IS NOT A  
SEALED DOCUMENT

DATE: \_\_\_\_\_

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CLIENT



**BURITI EPCMV**

DRAWING TITLE

DRAWING TITLE <b>P&amp;I DIAGRAM          DRUG SUBSTANCE          MAB CHROMATOGRAPHY          No. 2, CRM-3402</b>
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ENGINEER JJR	ARCHITECT JBE	DESIGNER RBN	IPS PROJECT # ITD19439.0
DRAWN BY RBN	REVIEWED BY GJC	SCALE NONE	CADD FILE NAME 7B-Z-0-2-28

XREF FILE(S)

	DRAWING NUMBER
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**7B-Z-0-2-28**