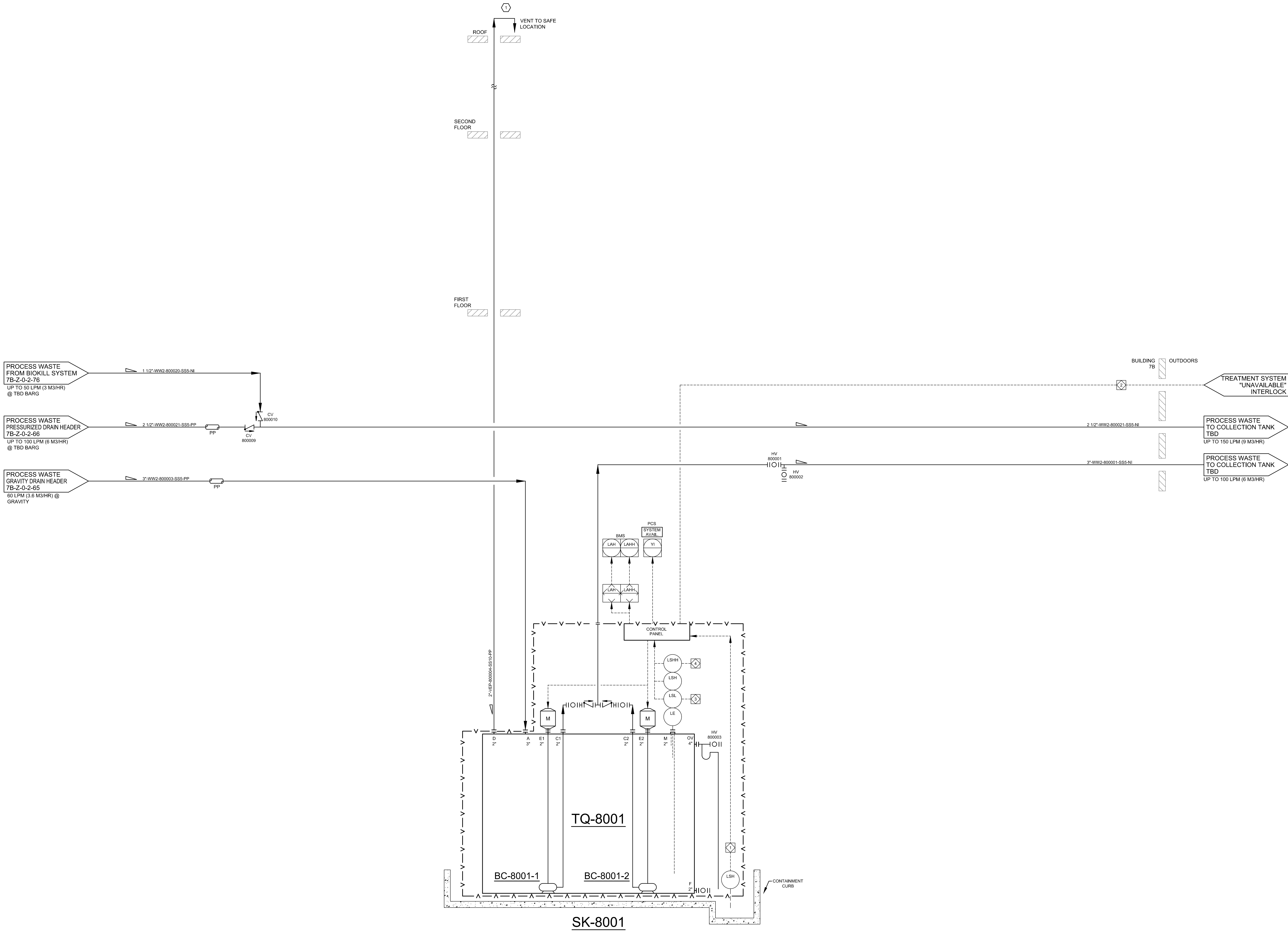


\\metro.corp\share\PS\PS\Projects\2017\1543918 - DESKING\10 Project Drawings\Process\7B-BDS\7B-Z-0-2-68.dwg 9:09:21 18/03/2021 PM Adum



**SK-8001**  
PROCESS WASTE SUMP LIFT STATION  
TYPE: CONTINUOUS BATCH  
CAPACITY: 100 LPM  
SIZE: 500L TANK  
MOC: 316L SS  
DPIOT: 25 mBARG / 50°C

**TQ-8001**  
PROCESS WASTE SUMP TANK  
TYPE: RECTANGULAR, ATMOSPHERIC  
CAPACITY: 500L  
SIZE: 1000mm L X 1000mm W X 500mm H  
MOC: 316L SS  
DPIOT: 25 mBARG / 50°C

**BC-8001-1**  
PROCESS WASTE LIFT PUMP  
TYPE: CENTRIFUGAL, SUMBURSIBLE  
CAPACITY: 200 LPM  
SIZE: TBD  
MOC: 316L SS  
ELEC: 380V / 60HZ / 3PH, 1 KW

**BC-8001-2**  
PROCESS WASTE LIFT PUMP  
TYPE: CENTRIFUGAL, SUMBURSIBLE  
CAPACITY: 200 LPM  
SIZE: TBD  
MOC: 316L SS  
ELEC: 380V / 60HZ / 3PH, 1 KW

*Robert L. De Souza Jr.*  
**ISSUED FOR CONSTRUCTION**

SEAL  
THIS IS NOT A SEALED DOCUMENT  
DATE: \_\_\_\_\_

- 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 P&ID COMPUTER CONNECTIONS ARE WITHIN THE PCS UNLESS OTHERWISE NOTED.
  - 4 LAST LINE NUMBER: 800002
  - 5 LINE NUMBER NOT USED: 800002, 07, 13, 15, 16, 23, 34, 38, 48, 49
  - 6 LAST AUTO VALVE NUMBER: YV-800007
  - 7 AUTO VALVE NUMBERS NOT USED: NONE
  - 8 LAST MANUAL VALVE NUMBER: HV-800003
  - 9 MANUAL VALVE NUMBERS NOT USED: NONE

- SHEET NOTES**
- 1 VENT TO A SAFE LOCATION. VENTS TO THE EXTERIOR OF THE BUILDING SHALL BE INSTALLED WITH A BIRD SCREEN.

- INTERLOCKS**
- ON CONTAINMENT CURB HIGH LEVEL, ALARM AND CLOSE ALL INCOMING VALVES.
  - ON WASTE TREATMENT SYSTEM UNAVAILABLE OR IN AB ALARM CONDITION, STOP PUMPS, ALARM AND CLOSE ALL INCOMING VALVES.
  - ON SUMP TANK HIGH LEVEL, ACTIVATE SECOND STANDBY PUMP UNTIL THE SUMP IS EMPTY.
  - SUMP TANK, HIGH-HIGH LEVEL, ALARM AND CLOSE ALL INCOMING VALVES

**ips**  
**Integrated Project Services**  
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Design/Build  
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REVISION	DATE	DESCRIPTION	BY
A	28MAY2020	90% BD ISSUE	JJR
B	27NOV2020	DESIGN ISSUE	JJR
C	12FEB2021	90% DO ISSUE	RJD
D	12MAY2021	90% DO ISSUE	RJD
E	09SEP2021	CONSTRUCTION ISSUE	RJD

**TESSLER**  
engenharía

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

**REVISION HISTORY**

1	REV. 0 - NONE.
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CLIENT  
**Takeda**  
**Hemobrás**  
Buriti EPCMV

DRAWING TITLE  
**P&I DIAGRAM  
DRUG SUBSTANCE  
PROCESS WASTE  
COLLECTION / LIFT STATION**

ENGINEER JJR	ARCHITECT BJE	DESIGNER BRB	IPS PROJECT # ITD19439.01
DRAWN BY BRB	REVIEWED BY GJC	SCALE NONE	CADD FILE NAME 7B-Z-0-2-68

WREF FILE(S)  
**7B-Z-0-2-69**