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Integrated
Project
Services

Engineering
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| REVISION | DATE | DESCRIPTION | BY |
|----------|-----------|----------------------------|-----|
| A | 01JUL2020 | 50% BD ISSUE | JJR |
| B | 28AUG2020 | 90% BD ISSUE | JJR |
| C | 27NOV2020 | DESIGN ISSUE | JJR |
| D | 12FEB2021 | 50% DD ISSUE | RJD |
| E | 06AUG2021 | 90% DD ISSUE | RJD |
| F | 03SEP2021 | CONSTRUCTION ISSUE | RJD |
| G | 02DEC2021 | REVISED CONSTRUCTION ISSUE | RJD |

DRAFT
INTERIM P&ID REDLINES
03JUN2022

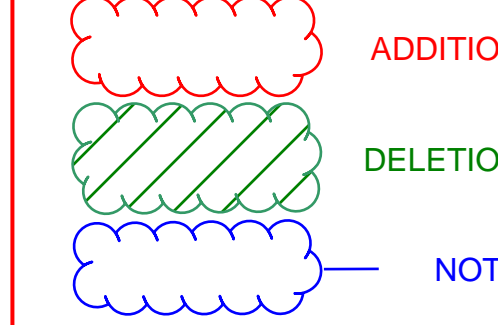


R. Dr. Cesário Mota Júnior, 424 - Vila Burque, São Paulo - SP, 01221-020

REVISION HISTORY

1 REV. 1 - LAMINAR FLOW HOOD ADDED

MARKUP LEGEND

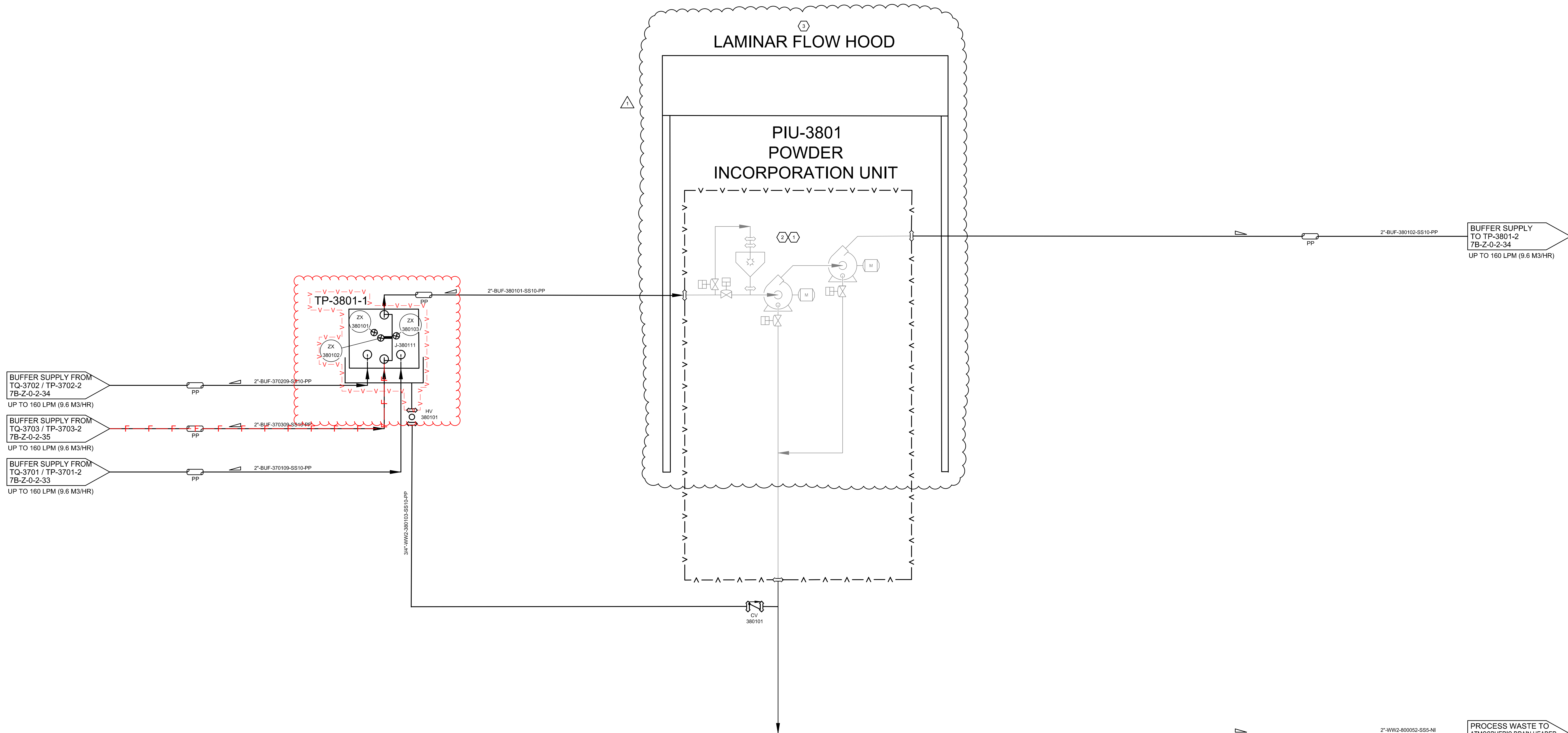


GENERAL NOTES:

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: 380102
5. LINE NUMBER NOT USED: NONE
6. LAST AUTO VALVE NUMBER: NONE
7. AUTO VALVE NUMBERS NOT USED: NONE
8. LAST MANUAL VALVE NUMBER: 380101
9. MANUAL VALVE NUMBERS NOT USED: NONE

SHEET NOTES

1. NOT INTENDED AS A FINAL DESIGN. ONLY SHOWING DESIGN INTENT WITH VENDOR RESPONSIBLE FOR FINAL DESIGN.
2. BULK POWDERS ARE MANUALLY CHARGED UNDER GRADE A AIR SUPPLY TO THE FUNNEL ON THE "POWDER INCORPORATION UNIT".
3. LAMINAR FLOW HOOD SHOWN FOR REFERENCE ONLY.



PIU-3801 POWDER INCORPORATION UNIT

TYPE: TWO-STAGE, LIQUID-RING/Shear BLENDER
CAPACITY: 160 LPM LIQUID / 8-40 KG/MIN SOLIDS
SIZE: 1800mm x 775mm x 1050mm
MOC: 316LSS / 304SS
POWER: 35 KW, 3/60/360 VAC

TP-3801-1 TRANSFER PANEL

TYPE: HYGIENIC, CUSTOM 4-PORT
DUTY: PIU FEED
SIZE: TBD
MOC: 316LSS
ASSEC: 1 U-BEND, PROX. SWITCHES

SEAL

THIS IS NOT A
SEALED DOCUMENT

DATE: _____

ISSUED FOR
CONSTRUCTION

CONFIDENTIAL

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CLIENT



BURITI EPCMV

DRAWING TITLE

P&I DIAGRAM
DRUG SUBSTANCE
BUFFER PREP POWDER
INCRP. UNIT, PIU-3801

| | | | |
|-----------------|--------------------|-----------------|-------------------------------|
| ENGINEER JJR | ARCHITECT BJE | DESIGNER RBN | IPS PROJECT # ITD19439.01 |
| DRAWN BY RBN | REVIEWED BY GJC | SCALE NONE | CADD FILE NAME 7B-Z-0-2-36 |

XREF FILE(S)



DRAWING NUMBER

7B-Z-0-2-36