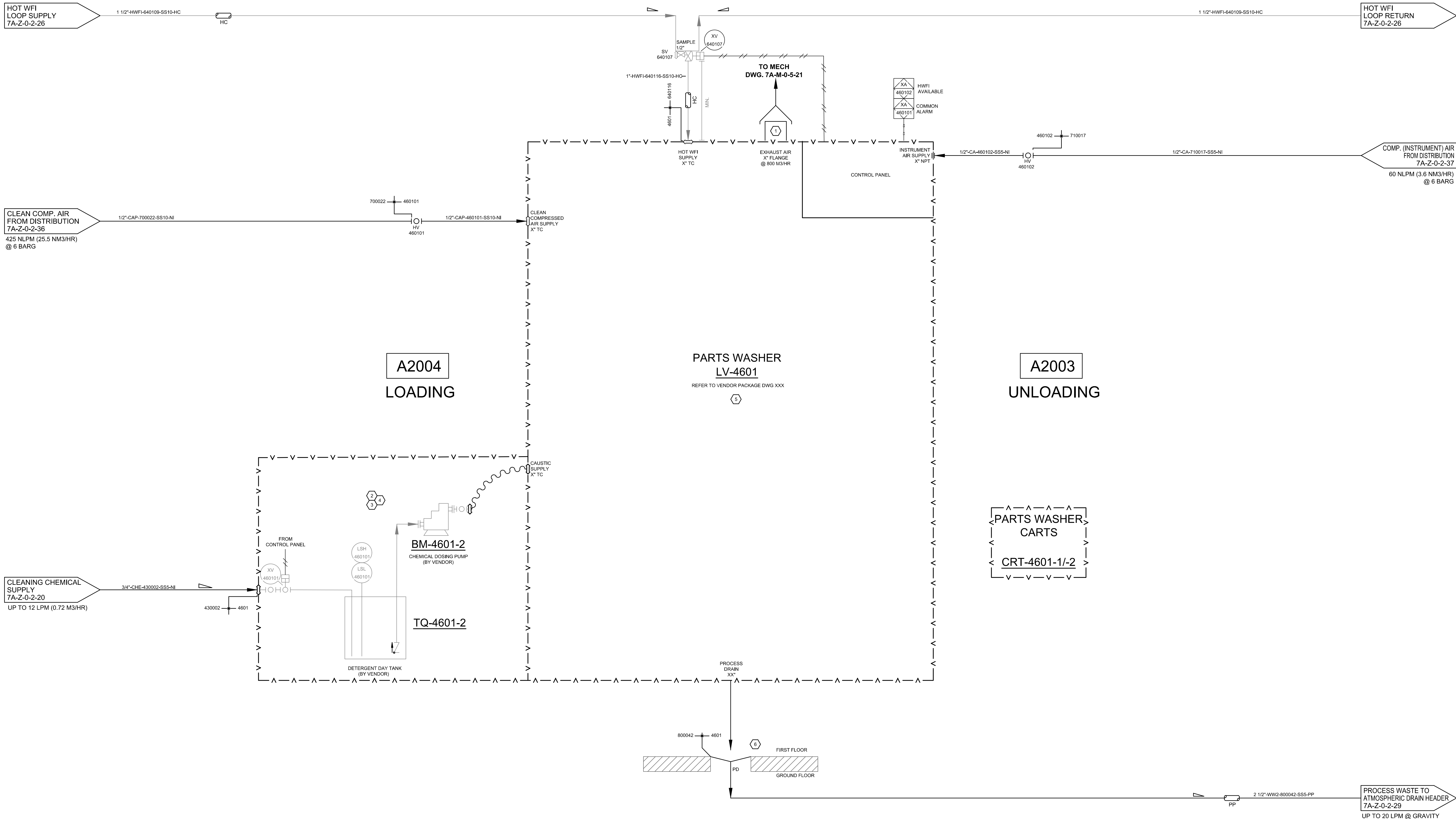


\\metro.corp\ips\PS\Projects\2016\19439\B\_DESIGN\B\_10 Project Drawings\Process\TA-PDP\TA-Z-0-2-07.dwg 9-10-21 08:11:28 PM ADum



**TQ-4601-2**  
CHEMICAL DAY TANK  
TYPE: ATMOSPHERIC  
CAPACITY: TBD  
SIZE: TBD  
MOC: TBD  
DPID: N/A / AMBIENT

**BM-4601-2**  
CHEMICAL DOSING PUMP  
TYPE: TBD  
CAPACITY/SIZE: TBD  
MANUF/MODEL: TBD  
MOC: TBD  
POWER: TBD

**LV-4601**  
PARTS WASHER  
TYPE: PASS-THRU PARTS WASHER  
MANUF/MODEL: TBD  
SIZE: 1100mm W X 635mm H X 825mm D  
MOC: 316L SS  
ELEC: 380 V / 60 HZ / 3 PH, TBD KW

**CRT-4601-1/2**  
PARTS WASHER CARTS  
QUANTITY: TBD  
MOC: 316L SS

*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 "TA" TO REPRESENT THE FINAL DRUG PRODUCT (PDP) 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:  
460102
5. LINE NUMBER NOT USED:  
NONE
6. LAST AUTO VALVE NUMBER:  
XV-460101
7. AUTO VALVE NUMBERS NOT USED:  
NONE
8. LAST MANUAL VALVE NUMBER:  
HV-460102
9. MANUAL VALVE NUMBERS NOT USED:  
NONE

#### SHEET NOTES

1. EQUIPMENT PROVIDED WITH THIMBLE CONNECTION. MECHANICAL CONTRACTOR TO CONNECT DUCTWORK TO EQUIPMENT EXHAUST.
2. PARTS WASHER SHALL BE SUPPLIED WITH A 20L CHEMICAL DAY WITH LEVEL CONTROL AND TRANSFER PUMP.
3. VENDOR SHALL SUPPLY SECONDARY CONTAINMENT FOR CLEANING CHEMICAL DAY TANK.
4. NOT INTENDED AS FINAL DESIGN, ONLY SHOWING DESIGN INTENT WITH VENDOR RESPONSIBLE FOR FINAL DESIGN.
5. LOCATE VALVES AND REGULATORS AT OPERATOR LEVEL FOR ERGONOMIC ACCESS (TYPICALLY 1200 MM TO 1525 MM ABOVE FINISHED FLOOR).
6. PROVIDE A 50 MM MINIMUM AIR GAP FOR FLOOR DRAINS.

**ips**

**Integrated  
Project  
Services**  
Engineering  
Design/Build  
Commissioning  
Consulting

721 Arbor Way  
Suite 100  
BLUE BELL, PA 19422  
PHONE: (610) 828-4090  
FAX: (610) 828-3656  
www.ipsdb.com

IPS Professional Engineers and Architects, LLC.

REVISION	DATE	DESCRIPTION	BY
A	01JUL2020	90% BO ISSUE	JJR
B	28AUG2020	90% BO ISSUE	JJR
C	27NOV2020	DESIGN ISSUE	JJR
D	12FEB2021	90% DO ISSUE	RLD
E	02JUL2021	90% DO ISSUE	RLD
F	09AUG2021	CONSTRUCTION ISSUE	RLD

**TESSLER**  
engenharia

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

#### REVISION HISTORY

1 REV. 0 - NONE

#### CONFIDENTIAL

THE INFORMATION CONTAINED HEREIN MAY NOT BE USED OR REPRODUCED IN ANY MANNER WITHOUT WRITTEN PERMISSION OF INTEGRATED PROJECT SERVICES.

CLIENT

**Takeda**

**Hemobrás**  
Empresa Brasileira de Hemoderivados e Diagnóstico

**BURITI EPCMV**

DRAWING TITLE

**P&I DIAGRAM  
DRUG PRODUCT  
PARTS WASHER, LV-4601**

ENGINEER JJR	ARCHITECT BJE	DESIGNER RBN	IPS PROJECT # ITD19439.01
DRAWN BY LG	REVIEWED BY GJC	SCALE NONE	CADD FILE NAME 7A-Z-0-2-07

XREF FILE(S)

DRAWING NUMBER

**7A-Z-0-2-07**