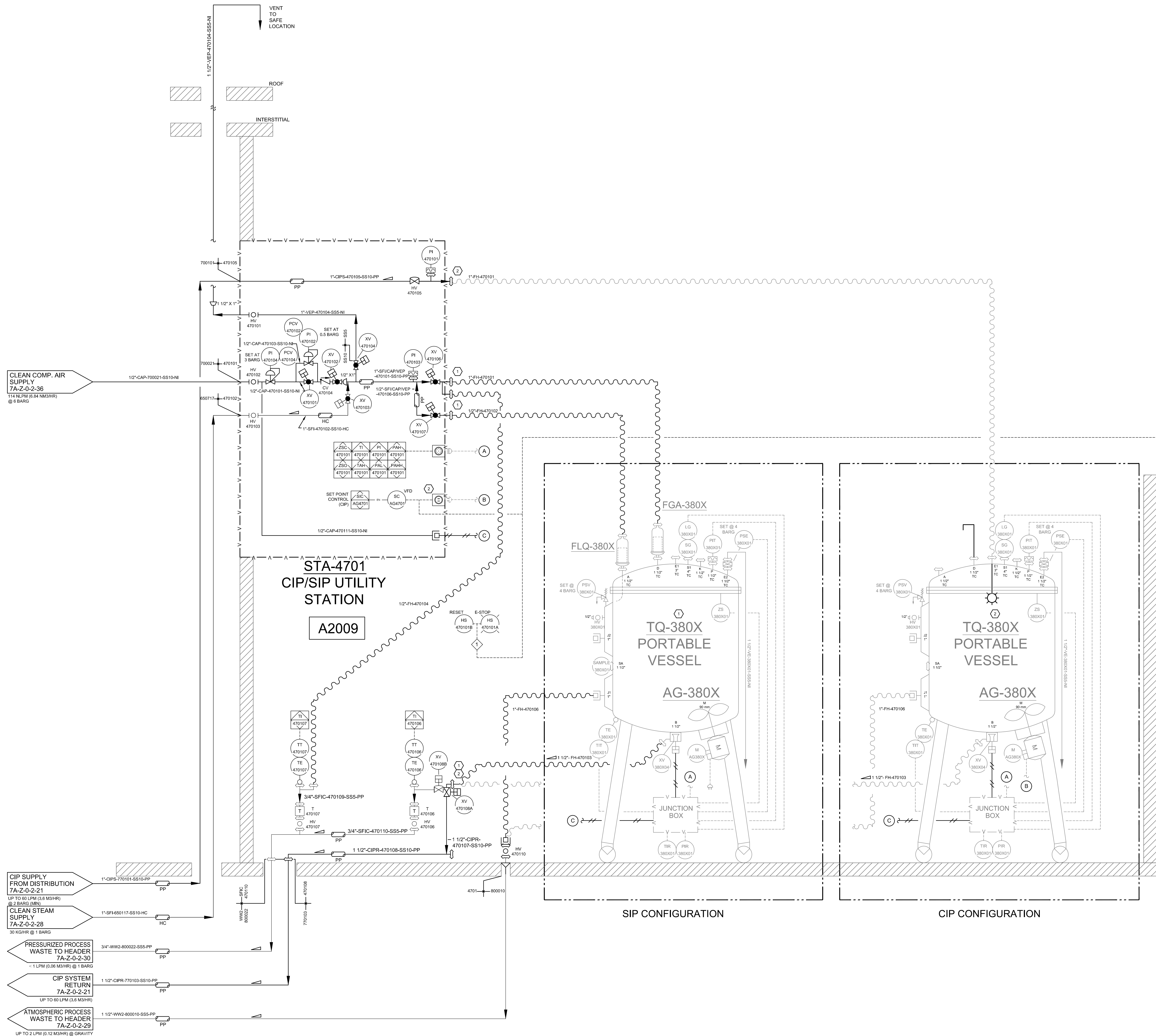


M:\Info\corporate\PSA\Projects\0101849\B. DESKING\10. Project Drawings\Process\TA\PR7A-Z-0-2-22.dwg 8/10/21 08:32:17 PM A:\Dum



#### GENERAL NOTES:

1. ALL COMPONENT & EQUIPMENT NUMBERS ARE PRECEDED BY "7A" TO REPRESENT THE FINAL DRUG PRODUCT TOP BUILDING.
2. ALL AUTOMATIC VALVES FAIL CLOSED (F.C.) UNLESS NOTED FAL OPEN (F.O.).
3. ALL PLC/COMPUTER CONNECTIONS ARE WITHIN THE PCS UNLESS OTHERWISE NOTED.
4. LAST LINE NUMBER: 470111
5. LINE NUMBER NOT USED: N/A
6. LAST AUTO VALVE NUMBER: XV-470108
7. AUTO VALVE NUMBERS NOT USED: XV-470105
8. LAST MANUAL VALVE NUMBER: HV-470110
9. MANUAL VALVE NUMBERS NOT USED: HV-470108, 09

#### SHEET NOTES

1. VESSEL SIP SET-UP:
  - INSTALL HOSES FROM SIP CONNECTION ON CIP/SIP STATION TO LIQUID AND VENT FILTER.
  - INSTALL HOSES FROM LIQUID AND VENT FILTER DRAIN CONNECTIONS TO CONDENSATE DRAIN.
  - INSTALL HOSE FROM CIP/SIP STATION TO CONDENSATE DRAIN.
  - INSTALL HOSE FROM PORTABLE VESSEL DRAIN TO CONDENSATE DRAIN.
  - INSTALL HOSE FROM JACKET VESSEL TO PROCESS WASTE AND ALLOW TO DRAIN.
  - CONNECT CONTROL CABLE FROM PORTABLE VESSEL JUNCTION BOX TO STATION PANEL.
2. VESSEL CIP SET-UP:
  - INSTALL SPRAY-BALL ASSEMBLY.
  - REMOVE VENT FILTER, LIQUID FILTER, NO FOAM INLET, AND SAMPLE SYSTEM.
  - INSTALL GOOSE-NECK ASSEMBLY ON VENT FILTER CONNECTION.
  - INSTALL HOSE FROM CIP CONNECTION ON CIP/SIP STATION TO THE SPRAYBALL ASSEMBLY.
  - INSTALL CIP RETURN HOSE.
  - INSTALL HOSE FROM JACKET VESSEL TO PROCESS WASTE AND ALLOW TO DRAIN.
  - CONNECT POWER AND CONTROL CABLE FROM PORTABLE VESSEL JUNCTION BOX TO STATION PANEL.
3. VENT TO A SAFE LOCATION. VENTS TO THE EXTERIOR OF THE BUILDING SHALL BE INSTALLED WITH A BIRD SCREEN, LOCAL VENT AND DRAIN PIPING TO BE ROUTED AFTER EQUIPMENT IS SET IN FINAL LOCATION. PIPING IS NOT DETAILED ON ROUTING PLANS.
4. NORMALLY A SEALED DRAIN. DRAIN VALVE OPENED FOR VESSEL JACKET DRAINING.

#### INTERLOCKS

1. SAFETY INTERLOCK - E-STOP ACTIVATION REMOVES AIR TO ALL ACTUATED VALVES AND DE-ENERGIZES ALL MOTORS (HARDWIRED).

**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	60% BO ISSUE	JJR
B	28AUG2020	90% BO ISSUE	JJR
C	27NOV2020	DESIGN ISSUE	JJR
D	12FEB2021	50% DD ISSUE	RLD
E	06JUL2021	90% DD ISSUE	RLD
F	18AUG2021	CONSTRUCTION ISSUE	RLD

**TESSLER**  
engenharia

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

#### REVISION HISTORY

1 REV. D - 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**  
FARMACIA S.A. - FARMACIA S.A. - FARMACIA S.A.

**BURITI EPCMV**

DRAWING TITLE

**P&I DIAGRAM  
DRUG PRODUCT  
PORTABLE VESSEL  
CIP/SIP STATION, STA-4701**

ENGINEER JJR	ARCHITECT BJE	DESIGNER RBN	IPS PROJECT # ITD19439.01
DRAWN BY RBN	REVIEWED BY GJC	SCALE NONE	CADD FILE NAME 7A-Z-0-2-22

(XREF FILES)

DRAWING NUMBER

**7A-Z-0-2-22**

**STA-4701**  
CIP/SIP UTILITY STATION

TYPE: RECESSED  
MANUF: TBD  
SIZE: TBD  
MOC: 316L SS  
POWER: TBD

**LCP-4701**  
LOCAL CONTROL PANEL

TYPE: RECESSED, PUSHBUTTON STATION ENCLOSURE  
MANUF: TBD  
SIZE: 300mm W X 200mm D X 300 H  
MOC: 304 SS  
POWER: 1/60/220 VAC

*Robert L. De Souza Jr.*

**ISSUED FOR  
CONSTRUCTION**

SEAL

THIS IS NOT A  
SEALED DOCUMENT

DATE: