

## GENERAL NOTES:

- 1. ALL COMPONENT & EQUIPMENT NUMBER ARE PRECEDED BY "7B" TO REPRESENT THE BULK DRUG SUBSTANCE (BDS) BUILDING. TODOS OS NÚMEROS DE COMPONENTES E EQUIPAMENTOS SÃO PRECEDIDOS POR "7B" PARA REPRESENTAR O PRÉDIO "THE BULK DRUG SUBSTANCE (BDS)\*.

  2. MOTORIZED PRESSURE INDEPENDENT BALANCING
- AND CONTROL VALVES. VÁLVULA DE CONTROLE DE TEMPERATURA MOTORIZADA COM
- BALANCEAMENTO INDEPENDENTE DE PRESSÃO.

  3. ALL MOTORIZED VALVES STATIONARY FAILURE. TODAS AS VÁLVULA DE CONTROLE - FALHA FECHADA
  4. LAST LINE NUMBER:
- 4. LAST MANUAL VALVE NUMBER: *ULTIMO NÚMERO DE VÁLVULA MANUAL*: 9600348 MANUAL VALVE NUMBERS NOT USED:
- 5. THIS SYSTEM WAS SIZED ACCORDING TO DOCUMENT PRD-MEC-CLS-002 - CHILLED WATER SYSTEM CALCULATION (HVAC).
  ESTE SISTEMA FOI DIMENSIONADO DE ACORDO COM O DOCUMENTO

## PRD-MEC-CLS-002 - CÁLCULO DO SISTEMA DE ÁGUA GELADA (HVAC)

## SHEET NOTES

- 1. BY PASS VALVE BALANCING VALVE TO KEEP THE FLOWRATE OF 2.10 M3/HR. VÁLVULA DE BY-PASS - VÁLVULA DE BALAN

- PONTO DE DRENAGEM PARA EFLUENTE.

  4. SYMBOLS REFERENCE SEE DOCUMENT
- AND CONTROL VALVES WITH ON OFF CONTROL WERE USED FOR DIAMETER OF 3/4". FOR DIAMETERS FROM 1". WERE USED THE SAME
- VALVES WITH MODULATING CONTROL. VÁLVULA DE CONTROLE DE TEMPERATURA TIPO ON-OFF UTILIZADA PARA DIÂMETROS DE 3/4". PARA DIÂMETROS A PARTIR DE 1" UTILIZADA
- PROVIDE AIR VENT AT THE HIGH POINT OF EACH DROP IN THE CHILLED WATER PIPING SYSTEM. ALL PIPING SHALL GRADE TO LOW POINTS. PROVIDE HOSE END DRAIN VALVES AT THE BOTTOM OF ALL RISERS AND LOW POINTS.
- SUBIDAS E NOS PONTOS BAIXOS DA INSTALAÇÃO
   BY PASS VALVE BALANCING VALVE TO KEEP THE FLOWRATE OF 2.85 M3/HR.

Integrated **Project** 

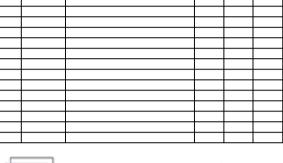
Services

Engineering Design/Build

Compliance

Consulting

721 Arbor Way BLUE BELL, PA 19422 PHONE: (610) 828-4090 FAX: (610) 828-3656 www.ipsdb.com IPS Professional Engineers and Architects, LLC.





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

REVISION A NOTES

THIS DOCUMENT COMPLEMENTS THE 7B-M-0-5-43.

REVISION 0 NOTES

FLOWRATES AND DIAMETERS HAVE BEEN UPDATED. ATUALIZAÇÃO DE VAZÕES E DIÂMETROS.

ELAGS DATA HAS BEEN LIPDATED ATUALIZAÇÃO DOS DADOS DAS BANDEIROLAS.

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REPRODUCED IN ANY MANNER WITHOUT WRITTEN PEI OF INTEGRATED PROJECT SERVICES.

**BURITI EPCMV** 

**P&I DIAGRAM** DRUG SUBSTANCE **CHILLED WATER DISTRIBUTION SYSTEM (4/5)** 

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ENGINEER	ARCHITECT	DESIGNER	IPS PROJECT #
LFF	BJE	FJT	ITD19439.01
DRAWN BY	REVIEWED BY	SCALE	CADD FILE NAME
JRM	cco	NONE	7B-M-0-5-57=0

7B-M-0-5-57