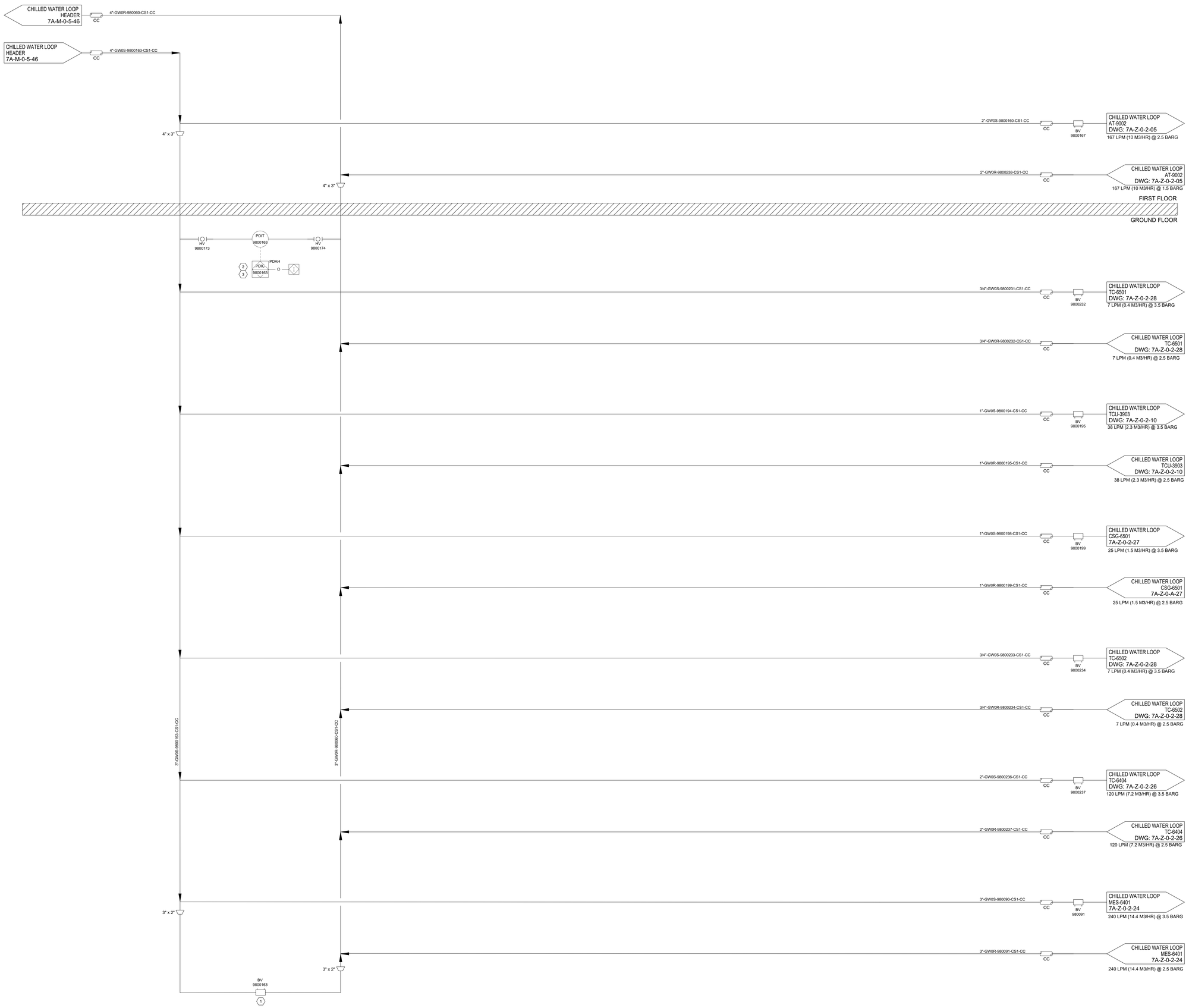

GENERAL NOTES:

1. ALL COMPONENT & EQUIPMENT NUMBER ARE PRECEDED BY "7A" TO REPRESENT THE FINAL DRUG PRODUCT (FDP) BUILDING.
   TODOS OS NUMEROS DE COMPONENTES E EQUIPAMENTOS SÃO PRECEDIDOS POR "7A" PARA REPRESENTAR O PRÉDIO "FINAL DRUG PRODUCT".
2. ALL MOTORIZED VALVES - STATIONARY FAILURE.
   TODAS AS VÁLVULAS MOTORIZADAS - FALHA ESTACIONÁRIA.
3. LAST LINE NUMBER:
   ULTIMO NUMERO DE LINHA:
   9800257
4. LINE NUMBER NOT USED:
   NUMERO DE LINHA NÃO UTILIZADO:
   980019 to 20
   980031 to 39
   980041 to 46
   980054 to 55
   980058 to 59
   980065 to 67
   980069 to 70
   980076
   980078
   980081 to 82
   980084
   980087
   980089
   9800106
   9800159
   9800202
   9800205 to 209
   9800216 to 222
   9800235
   9800239
   9800242
   9800247 to 255
5. LAST MANUAL VALVE NUMBER:
   ULTIMO NUMERO DE VÁLVULA MANUAL:
   9800258
6. MANUAL VALVE NUMBER NOT USED:
   NUMERO DE VÁLVULA MANUAL NÃO UTILIZADO:
   980003
   980011 to 12
   980017 to 18
   980027 to 28
   980048
   980074
   980079
   980088
   980090 to 101
   980111 to 114
   9800125 to 132
   9800135 to 140
   9800143 to 148
   9800179 to 201
   9800203 to 204
   9800210 to 215
   9800218
   9800222 to 226
   9800231 to 234
   9800236 to 248
   9800250 to 257
7. LAST AUTO VALVE NUMBER NOT USED:
   ULTIMO NUMERO DE VÁLVULA MANUAL:
   980083
8. AUTO VALVE NUMBER NOT USED:
   NUMERO DE VÁLVULA AUTOMATICA NÃO UTILIZADO:
   980003 to 15
   980017 to 55
   980058 to 79
   980081 to 82
9. SYMBOLS REFERENCE - SEE DOCUMENT 07-M-0-5-01.
   SIMBOLOGIA DE REFERÊNCIA - VER DOCUMENTO 07-M-0-5-01

SHEET NOTES

1. BY PASS VALVE - BALANCING VALVE TO KEEP THE FLOWRATE OF 7.1 M3/HR.
   VÁLVULA DE BY-PASS - VÁLVULA DE BALANCEAMENTO PARA MANTER A VAZÃO DE 7.1 M3/HR.
2. PUMP CONTROLLED BY DIFFERENTIAL PRESSURE TRANSMITTER (PDIT-9800163) MAINTAINING THE PRESSURE DROP OF 1.38 BAR.
   BOMBA CONTROLADA PELA PERDA DE CARGA DO TRANSMISSOR PDIT-9800163 MANTENDO CONSTANTE A PERDA DE CARGA EM 1.38 BAR.
3. THIS INSTRUMENT MUST BE INSTALLED AT A DISTANCE OF 2/3 OF THE MAIN DISTRIBUTION PIPE TOTAL LENGHT.
   ESTE INSTRUMENTO DEVERÁ SER INSTALADO A UMA DISTÂNCIA DE 2/3 DA EXTENSÃO TOTAL DA TUBULAÇÃO PRINCIPAL DE DISTRIBUIÇÃO.
4. FOR PIPE AND PUMP SIZING THE SIMULTANEITY INDICATED IN THE SYSTEM CALCULATION REPORT - SEE DOCUMENT PRD-MEC-CLC-003.
   PARA DIMENSIONAMENTO DA TUBULAÇÃO E BOMBAS CONSIDEROU-SE A SIMULTANEIDADE INDICADA NA MEMÓRIA DE CÁLCULO DO SISTEMA - VER PRD-MEC-CLC-003.
5. 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.
   PREVER ELIMINADOR DE AR EM PONTO ALTO NO SISTEMA DE ÁGUA GELADA. TUBULAÇÃO COM CAIMENTO PARA PONTOS BAIXOS. PREVER VÁLVULAS DE DRENO COM CONEXÃO PARA FLEXÍVEL NOS PONTOS BAIXOS DA INSTALAÇÃO.

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REV	DATE	DESCRIPTION	BY	CHECK	APPR
A	28AUG2020	90% BD ISSUE	-	-	LFF
B	27NOV2020	DESIGN ISSUE	-	-	LFF
C	17DEC2020	FINAL ISSUE	-	-	LFF
D	09MAR2021	30% DD ISSUE	MPA	CCO	LFF
E	18AUG2021	90% DD ISSUE	MPA	LFF	MSS
0	21SEP2021	ISSUED FOR CONSTRUCTION	MPA	LFF	MSS

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REVISION D NOTES

- FLOWRATES AND DIAMETERS HAVE BEEN UPDATED, AS WELL AS CALCULATIONS. THE EQUIPMENT AND DATA HAVE BEEN UPDATED ACCORDING TO IPS INFORMATION.
- VAZÕES E DIÂMETROS FORAM ATUALIZADOS, ASSIM COMO OS CÁLCULOS. OS EQUIPAMENTOS E DADOS FORAM ATUALIZADOS CONFORME INFORMAÇÕES DA IPS.

REVISION E NOTES

- FLOWRATES AND DIAMETERS HAVE BEEN UPDATED, AS WELL AS CALCULATIONS. THE EQUIPMENT AND DATA HAVE BEEN UPDATED ACCORDING TO IPS INFORMATION. EQUIPMENT TC-6404 WAS ADDED.
- VAZÕES E DIÂMETROS FORAM ATUALIZADOS, ASSIM COMO OS CÁLCULOS. OS EQUIPAMENTOS E DADOS FORAM ATUALIZADOS CONFORME INFORMAÇÕES DA IPS. O EQUIPAMENTO TC-6404 FOI ADICIONADO.

REVISION 0 NOTES

- ISSUED FOR CONSTRUCTION.
- EMITIDO PARA CONSTRUÇÃO.

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Takeda
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Empresa brasileira de hemoderivados e biotecnologia
BURITI EPCMV

DRAWING TITLE
P&I DIAGRAM
DRUG PRODUCT
CHILLED WATER LOOP
DISTRIBUTION SYSTEM (2/2)

ENGINEER	ARCHITECT	DESIGNER	IPS PROJECT #
LFF	RCT	FJT	ITD19439.01
DRAWN BY	REVIEWED BY	SCALE	CADD FILE NAME
MPA	CCO	NONE	7A-M-0-5-53=0

XREF FILE(S)

DRAWING NUMBER
7A-M-0-5-53