

GENERAL NOTES:

- 1. ALL COMPONENT & EQUIPMENT NUMBER ARE PRECEDED BY "7B" TO REPRESENT THE FINAL DRUG
- PRODUCT (FDP) BUILDING. TODOS OS NÚMEROS DE COMPONENTES E EQUIPAMENTOS SÃO PRECEDIDOS POR "7B" PARA REPRESENTAR O PRÉDIO "FINAL DRUG PRODUCT (FPD)".
- LAST LINE NUMBER: ÚLTIMO NÚMERO DE LINHA:
- 3. LINE NUMBER NOT USED NÚMERO DE LINHA NÃO UTILIZADO 9700157 to 9700430 9700481 to 9700525
- 9700531 to 9700445 4. LAST MANUAL VALVE NUMBER: ÚLTIMO NÚMERO DE VÁLVULA MANUAL:
- 5. MANUAL VALVE NUMBERS NOT USED: NÚMERO DE VÁLVULA MANUAL NÃO UTILIZADO: 9700282 to 283 9700286 to 287 9700294 to 295
- 9700298 to 299 9700302 to 303 9700306 to 307 9700310 to 311 9700314 to 315 9700318 to 319 9700322 to 323 9700326 to 327 9700330 to 331 9700334 to 335 9700338 to 339 9700342 to 343 9700346 to 347 9700350 to 351 9700354 to 355 9700358 to 359 9700362 to 363 9700366 to 367 9700370 to 371 9700374 to 375
- 9700378 to 379 9700382 to 383 9700390 to 391 9700394 to 395 9700398 to 399 9700402 to 403 9700410 to 411 9700414 to 415 9700418 to 419 9700422 to 423 9700426 9700441 to 445 9700455 to 457
- 6. SYMBOLS REFERENCE SEE DOCUMENT 07-M-0-5-01. REFERÊNCIA DE SIMBOLOGIA - VER DOCUMENTO 07-M-0-5-01.

SHEET NOTES

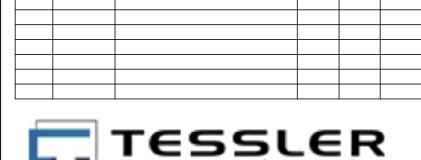
- PACOTE DE FORNECIMENTO 2. BY PASS VALVE - BALANCING VALVE TO KEEP THE FLOWRATE OF 1.0 m³/h.
- VÁLVULA DE BY-PASS VÁLVULA DE BALANCEAMENTO MANTÉM A VAZÃO 3. THIS DRAWING SHOWS THE ROOMS IN THE FIRST
- P/T PLUG 5. BY PASS VALVE - BALANCING VALVE TO KEEP THE FLOWRATE OF 1.7 m³/h. VÁLVULA DE BY-PASS - VÁLVULA DE BALANCEAMENTO MANTÉM A VAZÃO
- 6. DIFERENTIAL PRESSURE TRANSMITTER (PDIT-970001), SHALL BE INSTALLED AT A DISTANCE OF 2/3 OF THE MAIN DISTRIBUTION PIPE TOTAL TRANSMISSOR DIFERENCIAL DE PRESSÃO (PDIT-970001), DEVERÁ SER
- PRINCIPAL DE DISTRIBUIÇÃO 7. PUMP CONTROLLED BY DIFFERENTIAL PRESSURE TRANSMITTER (PDIT-970001), MANTAINING CONSTANT THE PRESSURE DROP OF 1.56 BAR (HEATING HOT WATER SYSTEM - 7B). CONTROLE DA BOMBA REALIZADO ATRAVÉS DE UM TRANSMISSOR DIFERENCIAL DE PRESSÃO (PDIT-970001), MANTENDO A PERDA DE CARGA
- CONSTANTE DE 1.56 BAR (SISTEMA DE ÁGUA QUENTE 7B). 8. MOTORIZED PRESSURE INDEPENDENT BALANCING AND TEMPERATURE CONTROL VALVES WITH ON OFF CONTROL FOR DIAMETER OF 3/4". FOR DIAMETERS FROM 1", WERE USED THE SAME VALVES WITH MODULATING CONTROL. VÁLVULAS DE CONTROLE DE TEMPERATURA E BALANCEAMENTO
- INDEPENDENTE DE PRESSÃO, MOTORIZADAS, TIPO ON-OFF UTILIZADAS PARA DIÂMETROS DE 3/4". PARA DIÂMETROS A PARTIR DE 1" , FORAM ITILIZADAS AS MESMAS VÁLVULAS COM CONTROLE TIPO PROPORCIONA 9. PROVIDE AIR VENT AT THE HIGH POINT OF EACH DROP IN THE HOT 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
- QUENTE. TUBULAÇÃO COM CAIMENTO PARA PONTOS BAIXOS. PREVER VÁLVULAS DE DRENO COM CONEXÃO PARA FLEXÍVEL ANTES DE TODAS AS SUBIDAS E NOS PONTOS BAIXOS DA INSTALAÇÃO. 10. IN THE LINE TAG, THE BUILDING NUMBER (7B) MUST BE CONSIDERED. NO TAGUEAMENTO DE LINHAS, DEVE SER CONSIDERADO O NÚMERO DO

Project Services Design/Build Compliance Consulting

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REV DATE DESCRIPTION A 28AUG2020 90% BD ISSUE B 27NOV2020 FINAL BD ISSUE 07JUN2021 90% DD ISSUE 0 30JUL2021 ISSUED FOR CONSTRUCTION _____



R. Dr. Cesário Mota Júnior, 424 - Vila Buarque, São Paulo - SP, 01221-020 REVISION C NOTES ALL DATA WERE UPDATED ACCORDING TO HVAC EQUIPMENT

TODOS OS DADOS FORAM ATUALIZADOS DE ACORDO COM A LISTA DE

ALL DATA WERE UPDATED ACCORDING TO HVAC EQUIPMENT

EQUIPAMENTOS DE HVAC E MEMORIAL DE CÁLCULO.

LIST AND CALCULATION REPORT.

REVISION 0 NOTES

LIST AND CALCULATION REPORT.

 TODOS OS DADOS FORAM ATUALIZADOS DE ACORDO COM A LISTA DE EQUIPAMENTOS DE HVAC E MEMORIAL DE CÁLCULO, SHEET NOTE NUMBER 10 WAS ADDED.

• NOTA 10 FOI ADICIONADA,

HOLD LIST

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OF INTEGRATED PROJECT SERVICES.



BURITI EPCMV

NONE

P&I DIAGRAM DRUG SUBSTANCE **HEATING HOT WATER**

SYSTEM (HVAC) (4/4) ARCHITECT DESIGNER IPS PROJECT # ENGINEER ITD19439.01 REVIEWED BY SCALE DRAWN BY CADD FILE NAME

XREF FILE(S) DRAWING NUMBER

CCO

MPA

7B-M-0-5-49

7B-M-0-5-49=0