

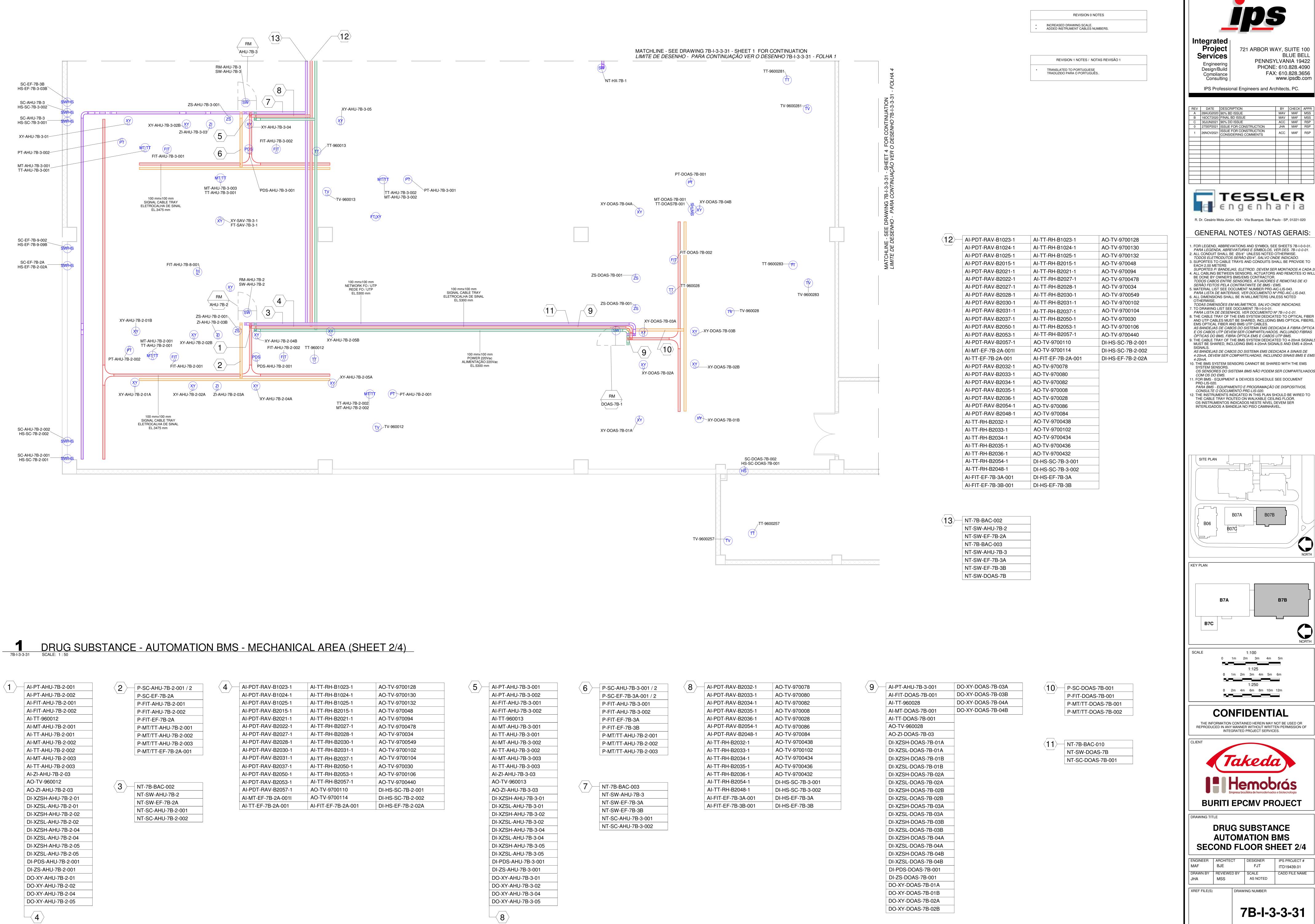
IPS PROJECT # CADD FILE NAME

B7B

BLUE BELL

www.ipsdb.com

ACC MAF RSP



Project 721 ARBOR WAY, SUITE 100 BLUE BELL

Services PENNSYLVANIA 19422 Engineerin PHONE: 610.828.4090 Design/Build Compliance

FAX: 610.828.3656 www.ipsdb.com Consulting IPS Professional Engineers and Architects, PC.

ISSUE FOR CONSTRUCTION 1 26NOV2021 CONSIDERING COMMENTS

TESSLER

GENERAL NOTES / NOTAS GERAIS:

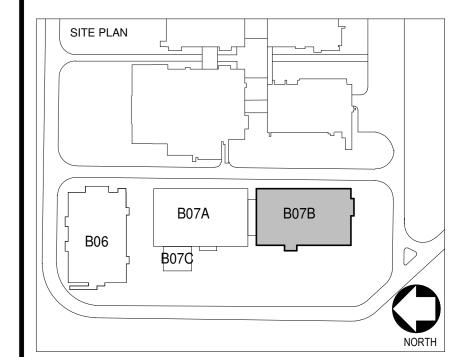
I. FOR LEGEND, ABBREVIATIONS AND SYMBOL SEE SHEETS 7B-I-0-0-01 PARA LEGENDA, ABREVIATURAS E SÍMBOLOS, VER DES. 7B-I-0-0-01. 2. ALL CONDUIT SHALL BE Ø3/4" UNLESS NOTED OTHERWISE. TODOS ELETRODUTOS SERÃO Ø3/4", SALVO ONDE INDICADO. B. SUPORTES TO CABLE TRAYS AND CONDUITS SHALL BE PROVIDE TO EACH 2.00 METERS

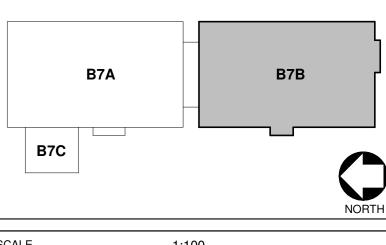
4. ALL CABLING BETWEEN SENSORS, ACTUATORS AND REMOTES IO WILI BE DONE BY OWNER'S BMS/EMS CONTRACTOR. TODOS CABOS ENTRE SENSORES, ATUADORES E REMOTAS DE IO SERÃO FEITOS PELA CONTRATANTE DE BMS / EMS. MATERIAL LIST SEE DOCUMENT NUMBER PRD-AIC-LIS-043. 6. ALL DIMENSIONS SHALL BE IN MILLIMETERS UNLESS NOTED

PARA LISTA DE MATERIAIS, VER DOCUMENTO № PRD-AIC-LIS-043. TODAS DIMENSÕES EM MILÍMETROS, SALVO ONDE INDICADAS. . TO DRAWING LIST SEE DOCUMENT 7B-I-0-0-01. PARA LISTA DE DESENHOS, VER DOCUMENTO № 7B-I-0-0-01. B. THE CABLE TRAY OF THE EMS SYSTEM DEDICATED TO OPTICAL FIBER AND UTP CABLES MUST BE SHARED, INCLUDING BMS OPTICAL FIBERS, EMS OPTICAL FIBER AND BMS UTP CABLES. AS BANDEJAS DE CABOS DO SISTEMA EMS DEDICADA À FIBRA ÓPTICA E OS CABOS UTP DEVEM SER COMPARTILHADOS, INCLUINDO FIBRAS ÓPTICAS DO BMS, FIBRA ÓPTICA EMS E CABOS UTP BMS.

MUST BE SHARED, INCLUDING BMS 4-20mA SIGNALS AND EMS 4-20mA AS BANDEJAS DE CABOS DO SISTEMA EMS DEDICADA A SINAIS DE 4-20mA, DEVEM SER COMPARTILHADAS, INCLUINDO SINAIS BMS E EMS 10. THE BMS SYSTEM SENSORS CANNOT BE SHARED WITH THE EMS SYSTEM SENSORS. OS SENSORES DO SISTEMA BMS NÃO PODEM SER COMPARTILHADOS COM OS DO EMS. . FOR BMS - EQUIPMENT & DEVICES SCHEDULE SEE DOCUMENT

PARA BMS - EQUIPAMENTO E PROGRAMAÇÃO DE DISPOSITIVOS, CONSULTE O DOCUMENTO PRD-LIS-020. 2. THE INSTRUMENTS INDICATED IN THIS PLAN SHOULD BE WIRED TO THE CABLE TRAY ROUTED ON WALKABLE CEILING FLOOR. OS INSTRUMENTOS INDICADOS NESTE NÍVEL DEVEM SER INTERLIGADOS A BANDEJA NO PISO CAMINHÁVEL.





CONFIDENTIAL

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

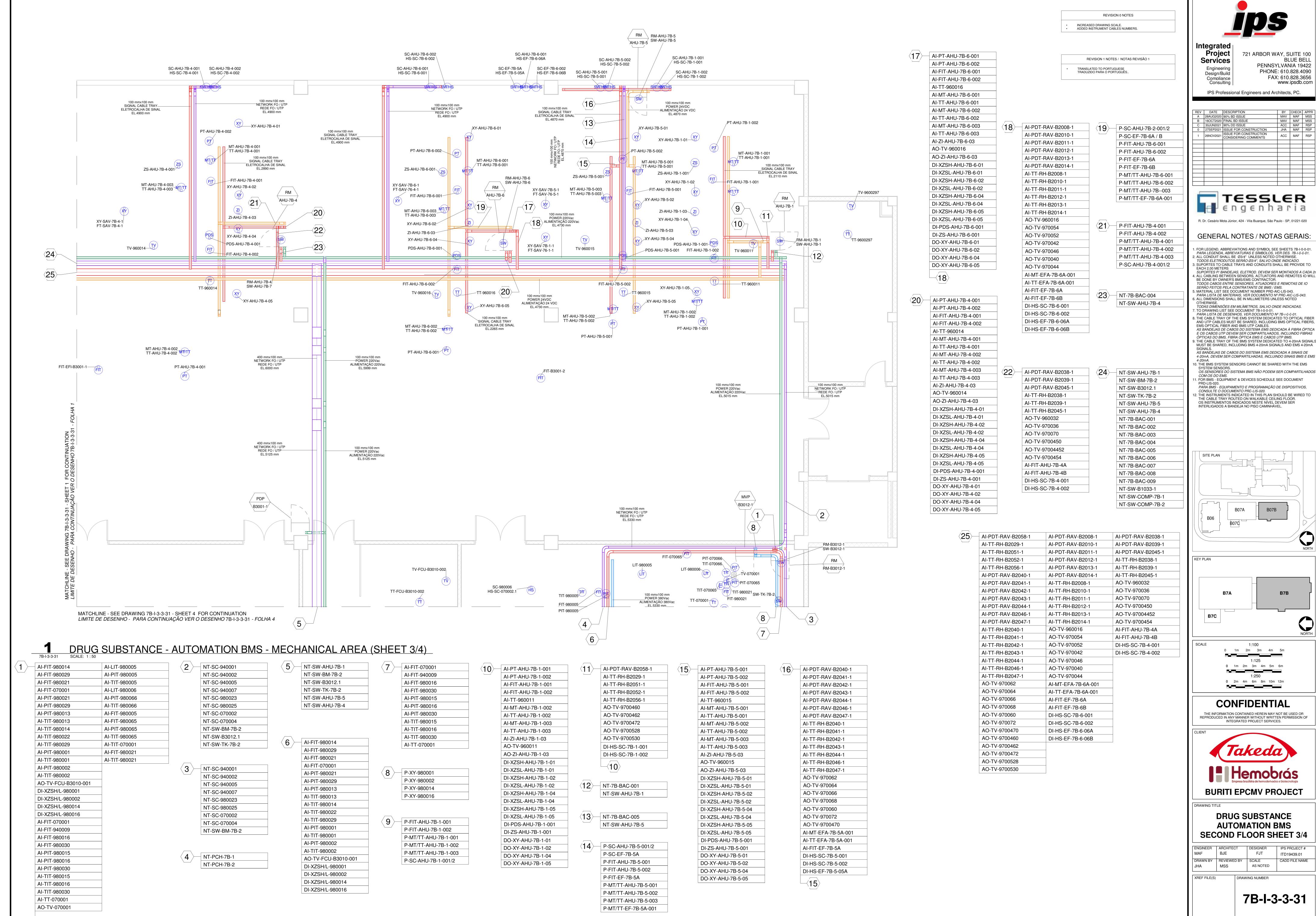


BURITI EPCMV PROJECT

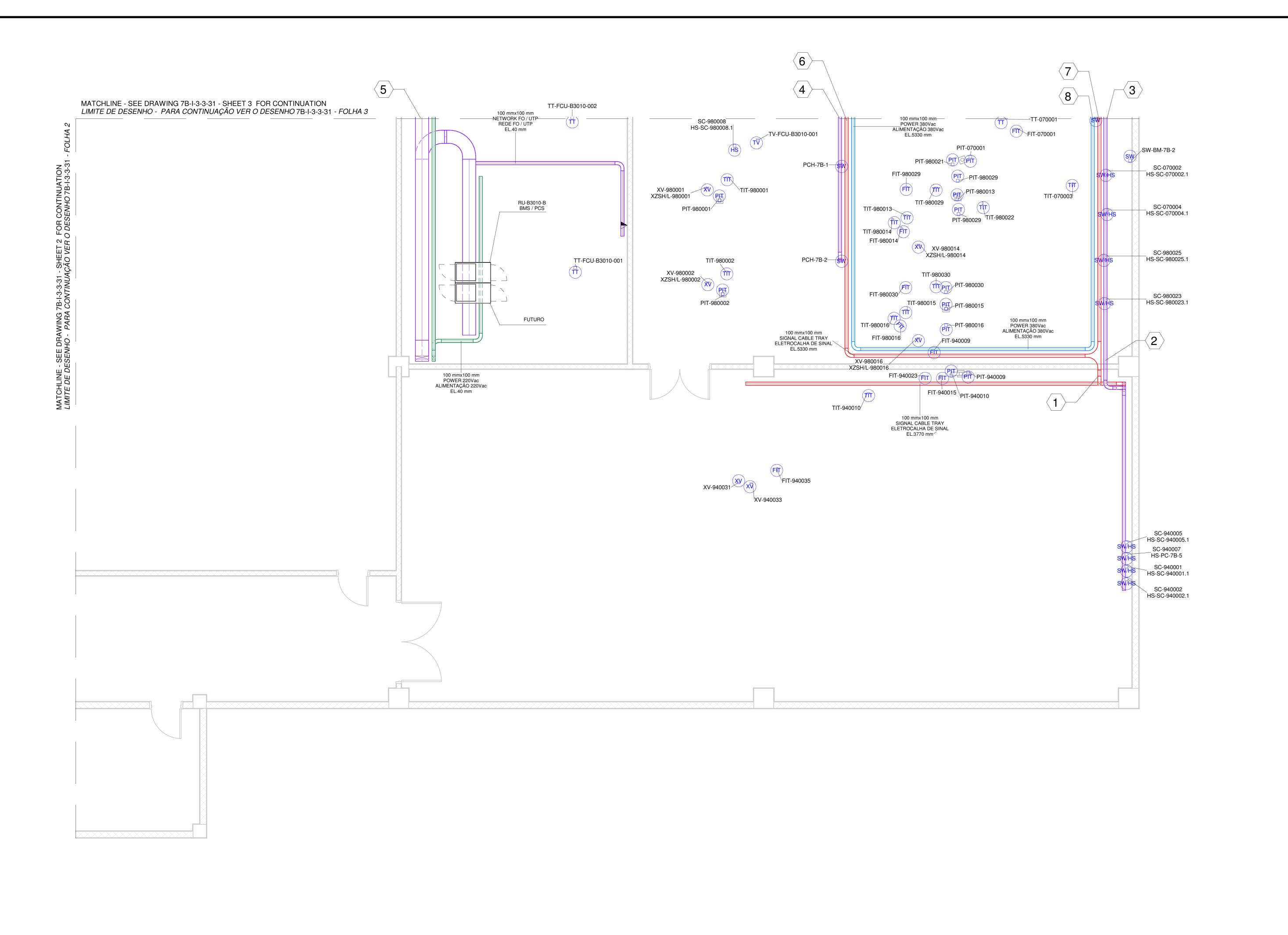
DRUG SUBSTANCE AUTOMATION BMS SECOND FLOOR SHEET 2/4

ENGINEER ARCHITECT DESIGNER IPS PROJECT # DRAWN BY REVIEWED BY SCALE CADD FILE NAME AS NOTED DRAWING NUMBER

7B-I-3-3-31

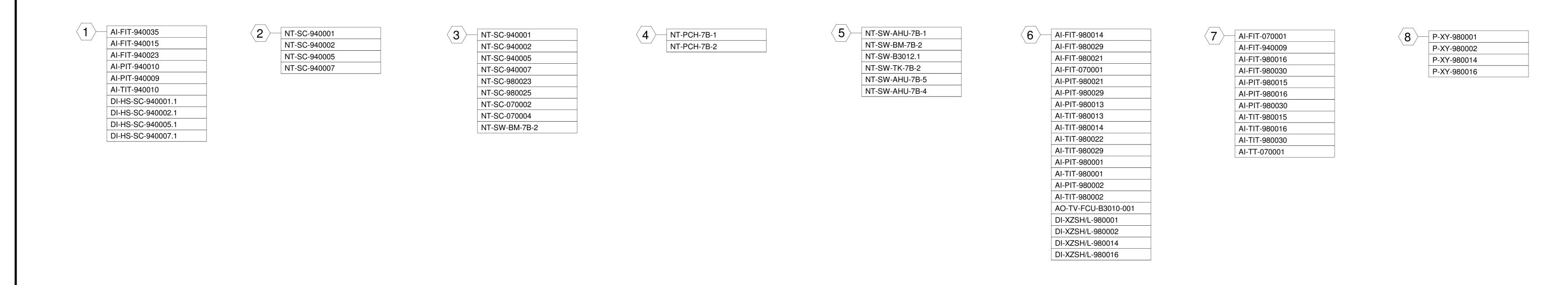


ers\acardoso\Documents\569-B7B-INS-INSTRUMENTACAO_REV1_acardoso6L85D.rvt 25/11/202



DRUG SUBSTANCE - AUTOMATION BMS - MECHANICAL AREA (SHEET 4/4)

SCALE: 1:50



REVISION 0 NOTES

INCREASED DRAWING SCALE.
ADDED INSTRUMENT CABLES NUMBERS.

REVISION 1 NOTES / NOTAS REVISÃO 1

TRANSLATED TO PORTUGUESE TRADUZIDO PARA O PORTUGUÊS.. Project
Services
Engineering
Design/Build
Compliance
Consulting

Project
721 ARBOR WAY, SUITE 100
BLUE BELL
PENNSYLVANIA 19422
PHONE: 610.828.4090
FAX: 610.828.3656
www.ipsdb.com

Compliance Consulting FAX: 610.828.3656 www.ipsdb.com

IPS Professional Engineers and Architects, PC.

REV DATE DESCRIPTION BY CHECK APPR A 28AUG2020 90% BD ISSUE MAV MAF MSS B 16OCT2020 FINAL BD ISSUE MAV MAF MSS C 30JUN2021 90% DD ISSUE ACC MAF RSP 0 27SEP2021 ISSUE FOR CONSTRUCTION CONSTRUCTION CONSIDERING COMMENTS ACC MAF RSP						
B 16OCT2020 FINAL BD ISSUE MAV MAF MSS C 30JUN2021 90% DD ISSUE ACC MAF RSP 0 27SEP2021 ISSUE FOR CONSTRUCTION JHA MAF RSP 1 26NOV2021 ISSUE FOR CONSTRUCTION ACC MAE BSP	REV	/ DATE	DESCRIPTION	BY	CHECK	APPR
C 30JUN2021 90% DD ISSUE ACC MAF RSP 0 27SEP2021 ISSUE FOR CONSTRUCTION JHA MAF RSP 1 26NOV2021 ISSUE FOR CONSTRUCTION ACC MAE BSP	Α	28AUG2020	90% BD ISSUE	MAV	MAF	MSS
0 27SEP2021 ISSUE FOR CONSTRUCTION JHA MAF RSP	В	16OCT2020	FINAL BD ISSUE	MAV	MAF	MSS
1 26NOV2021 ISSUE FOR CONSTRUCTION ACC MAE BSD	С	30JUN2021	90% DD ISSUE	ACC	MAF	RSP
	0	27SEP2021	ISSUE FOR CONSTRUCTION	JHA	MAF	RSP
	1	26NOV2021		ACC	MAF	RSP
				-		
	-					



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

GENERAL NOTES / NOTAS GERAIS:

FOR LEGEND, ABBREVIATIONS AND SYMBOL SEE SHEETS 7B-I-0-0-01.
 PARA LEGENDA, ABREVIATURAS E SÍMBOLOS, VER DES. 7B-I-0-0-01.
 ALL CONDUIT SHALL BE Ø3/4" UNLESS NOTED OTHERWISE.
 TODOS ELETRODUTOS SERÃO Ø3/4", SALVO ONDE INDICADO.
 SUPORTES TO CABLE TRAYS AND CONDUITS SHALL BE PROVIDE TO EACH 2,00 METERS
 SUPORTES P/ BANDEJAS, ELETROD. DEVEM SER MONTADOS A CADA 2m
 ALL CABLING BETWEEN SENSORS, ACTUATORS AND REMOTES IO WILL BE DONE BY OWNER'S BMS/EMS CONTRACTOR.
 TODOS CABOS ENTRE SENSORES, ATUADORES E REMOTAS DE IO SERÃO FEITOS PELA CONTRATANTE DE BMS / EMS.
 MATERIAL LIST SEE DOCLIMENT NUMBER PRD-AIC-LIS-043.

SERAO FEITOS PELA CONTRATANTE DE BMS / EMS.

5. MATERIAL LIST SEE DOCUMENT NUMBER PRD-AIC-LIS-043.

PARA LISTA DE MATERIAIS, VER DOCUMENTO № PRD-AIC-LIS-043.

6. ALL DIMENSIONS SHALL BE IN MILLIMETERS UNLESS NOTED

OTHERWISE.

TODAS DIMENSÕES EM MILÍMETROS, SALVO ONDE INDICADAS.

7. TO DRAWING LIST SEE DOCUMENT 7B-I-0-0-01.

PARA LISTA DE DESENHOS, VER DOCUMENTO № 7B-I-0-0-01.

THE CABLE TRAY OF THE EMS SYSTEM DEDICATED TO OPTICAL FIBER AND UTP CABLES MUST BE SHARED, INCLUDING BMS OPTICAL FIBERS, EMS OPTICAL FIBER AND BMS UTP CABLES.
 AS BANDEJAS DE CABOS DO SISTEMA EMS DEDICADA À FIBRA ÓPTICA E OS CABOS UTP DEVEM SER COMPARTILHADOS, INCLUINDO FIBRAS ÓPTICAS DO BMS, FIBRA ÓPTICA EMS E CABOS UTP BMS.

 THE CABLE TRAY OF THE BMS SYSTEM DEDICATED TO 4-20mA SIGNALS MUST BE SHARED, INCLUDING BMS 4-20mA SIGNALS AND EMS 4-20mA SIGNALS.
 AS BANDEJAS DE CABOS DO SISTEMA EMS DEDICADA A SINAIS DE

4-20mA, DEVEM SER COMPARTILHADAS, INCLUINDO SINAIS BMS E EMS

10. THE BMS SYSTEM SENSORS CANNOT BE SHARED WITH THE EMS SYSTEM SENSORS.
OS SENSORES DO SISTEMA BMS NÃO PODEM SER COMPARTILHADOS COM OS DO EMS.
11. FOR BMS - EQUIPMENT & DEVICES SCHEDULE SEE DOCUMENT PRD-LIS-020.
PARA BMS - EQUIPAMENTO E PROGRAMAÇÃO DE DISPOSITIVOS,

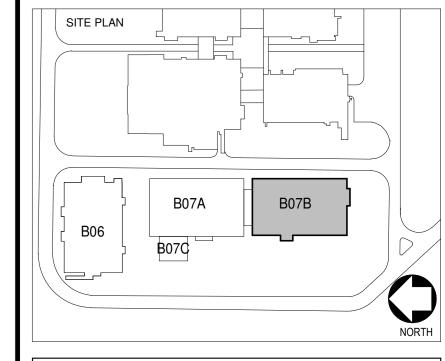
PARA BMS - EQUIPAMENTO E PROGRAMAÇAO DE DISPOSITIVOS, CONSULTE O DOCUMENTO PRD-LIS-020.

12. THE INSTRUMENTS INDICATED IN THIS PLAN SHOULD BE WIRED TO THE CABLE TRAY ROUTED ON WALKABLE CEILING FLOOR.

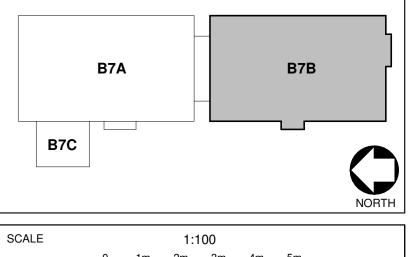
OS INSTRUMENTOS INDICADOS NESTE NÍVEL DEVEM SER INTERLIGADOS A BANDEJA NO PISO CAMINHÁVEL.

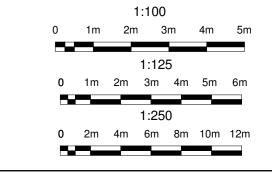
REVISION 0 NOTES

INCREASED DRAWING SCALE.
ADDED INSTRUMENT CABLES NUMBERS.



KEY PLAI





CONFIDENTIAL

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



BURITI EPCMV PROJECT

DRAWING TITLE

DRUG SUBSTANCE AUTOMATION BMS SECOND FLOOR SHEET 4/4

DRAWN BY REVIEWED BY SCALE
JHA MSS AS NOTED

XREF FILE(S) DRAWING NUMBER

7B-I-3-3-31