

AI-PDT-RAV-B2026-1

AI-TT-RH-B2023-1

AI-TT-RH-B2024-1

AO-TV-970012

AO-TV-970014

AO-TV-970016

AO-TV-970066

AI-PDT-RAV-B2041-1

NT-7B-BAC-006

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NT-7B-BAC-001

NT-7B-BAC-008

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NT-7B-BAC-005

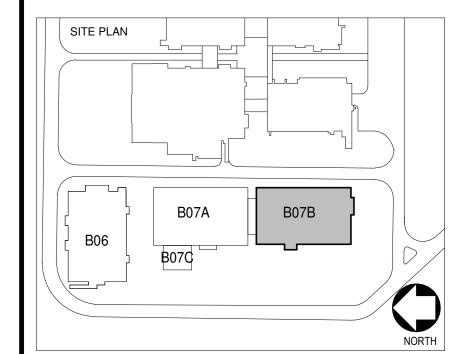
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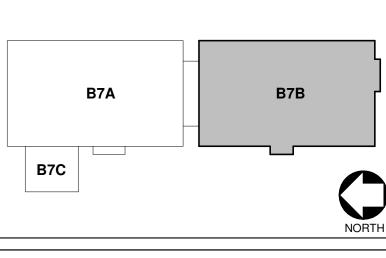
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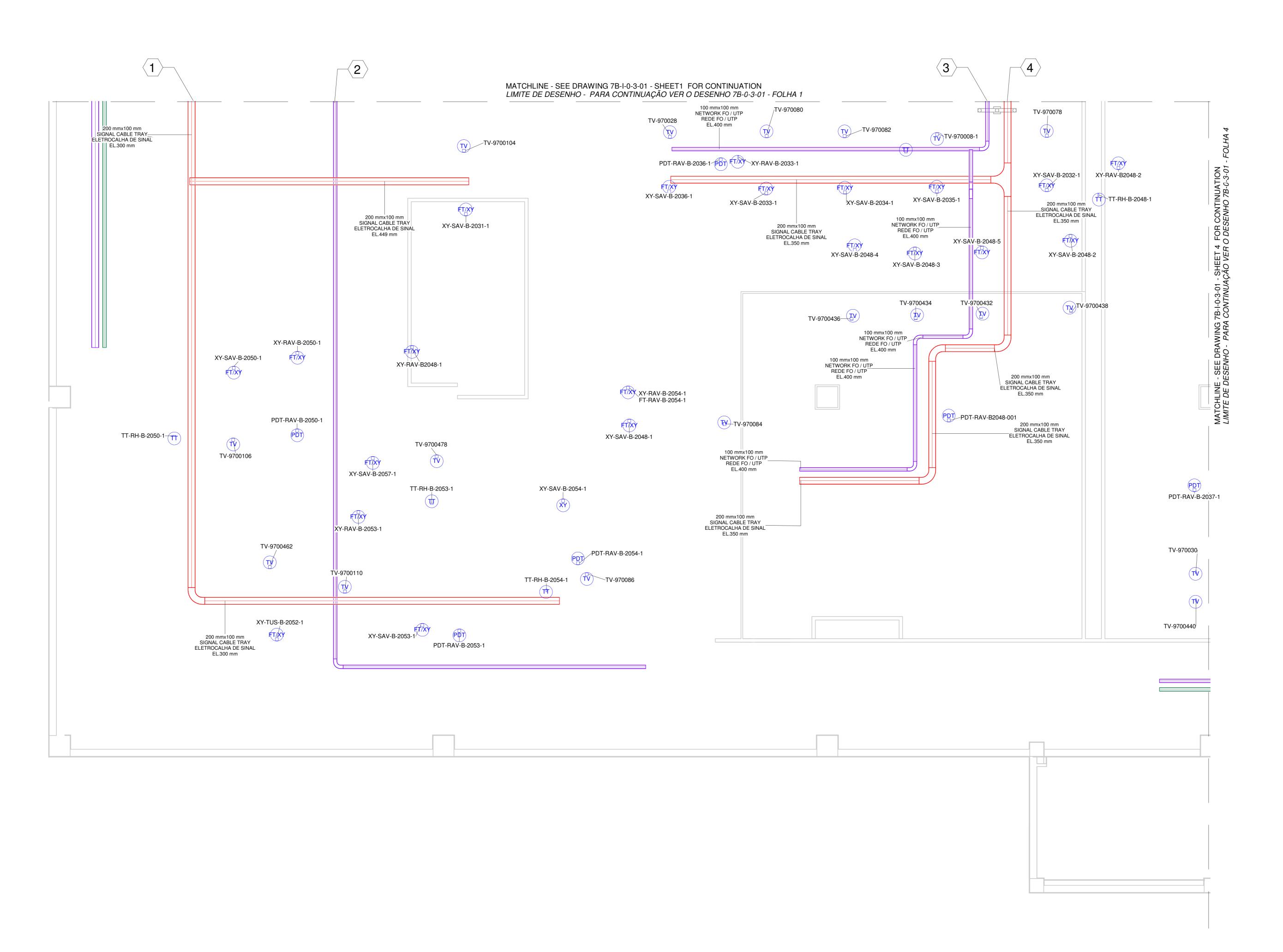
NT-7B-BAC-008

Project 721 ARBOR WAY, SUITE 100 Services **BLUE BELL** PENNSYLVANIA 19422 Engineerin PHONE: 610.828.4090 Design/Build FAX: 610.828.3656 Compliance www.ipsdb.com Consulting IPS Professional Engineers and Architects, PC. REV DATE DESCRIPTION
A 28AUG2020 90% BD ISSUE
B 16OCT2020 FINAL BD ISSUE 0 27SEP2021 ISSUE FOR CONSTRUCTION ISSUE FOR CONSTRUCTION 1 26NOV2021 CONSIDERING COMMENTS TESSLER R. Dr. Cesário Mota Júnior, 424 - Vila Buarque, São Paulo - SP, 01221-020 GENERAL NOTES / NOTAS GERAIS: 1. 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. 3. SUPORTES TO CABLE TRAYS AND CONDUITS SHALL BE PROVIDE TO EACH 2,00 METERS SUPORTES P/ BANDEJAS, ELETROD. DEVEM SER MONTADOS A CADA 21 4. 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. 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 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. 8. 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. 9. THE CABLE TRAY OF THE BMS SYSTEM DEDICATED TO 4-20mA SIGNALS 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 OS SENSORES DO SISTEMA BMS NÃO PODEM SER COMPARTILHADOS COM OS DO EMS. 1. 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. B07B **KEY PLAN** B7B **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 WALKABLE CEILING FLOOR** SHEET 1/4 ENGINEER ARCHITECT IPS PROJECT # FJT DRAWN BY REVIEWED BY SCALE CADD FILE NAME AS NOTED XREF FILE(S) DRAWING NUMBER 7B-I-0-3-01

ACC MAF RSP

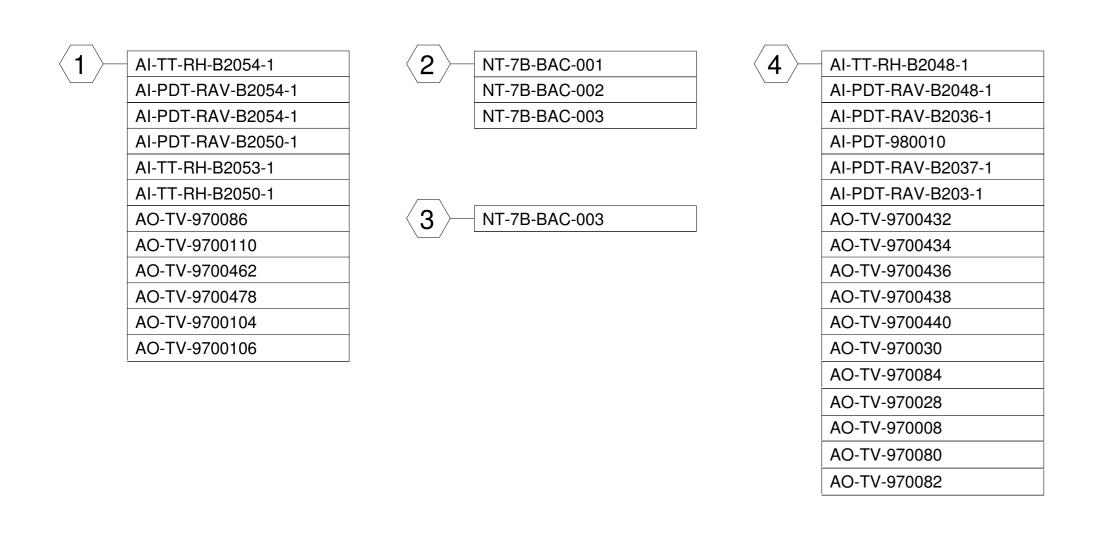






DRUG SUBSTANCE - AUTOMATION BMS - WALKABLE CEILING (SHEET 2/4)

SCALE: 1:50



REVISION 0 NOTES

INCREASED DRAWING SCALE.
ADDED INSTRUMENT CABLES NUMBERS.

REVISION 1 NOTES / NOTAS REVISÃO 1

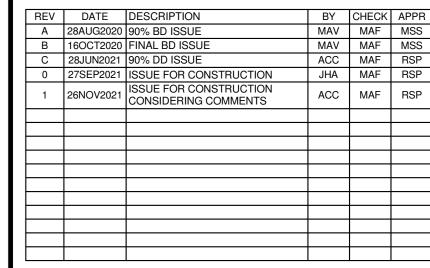
TRANSLATED TO PORTUGUESE
 TRADUZIDO PARA O PORTUGUÊS...

ntegrated Project 721 ARBOR WAY, SUITE 100

Project
Services
Engineering Design/Build Compliance Consulting

Project
721 ARBOR WAY, SUITE 100
BLUE BELL
PENNSYLVANIA 19422
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FAX: 610.828.3656
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IPS Professional Engineers and Architects, PC.





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.
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 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 DOCUMENT NUMBER PRD-AIC-LIS-043.

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 *PARA LISTA DE MATERIAIS, VER DOCUMENTO Nº PRD-AIC-LIS-043.* ALL DIMENSIONS SHALL BE IN MILLIMETERS UNLESS NOTED OTHERWISE.
 *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.

8. 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.

9. 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

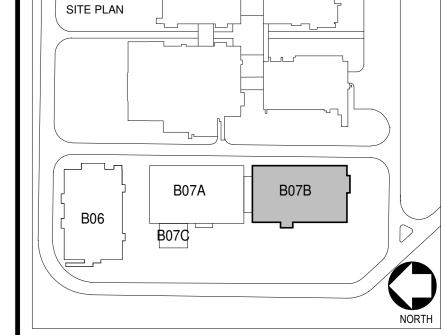
4-20mA, DEVEM SER COMPARTILHADAS, INCLUINDO SINAIS BMS E EMS 4-20mA.
10. THE BMS SYSTEM SENSORS CANNOT BE SHARED WITH THE EMS SYSTEM SENSORS.

OS SENSORES DO SISTEMA BMS NÃO PODEM SER COMPARTILHADOS COM OS DO EMS.
11. FOR BMS - EQUIPMENT & DEVICES SCHEDULE SEE DOCUMENT PRD-LIS-020.

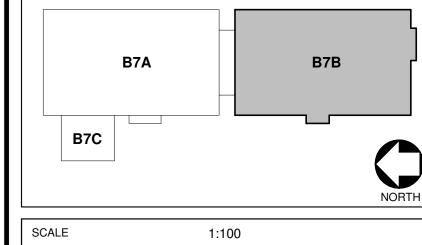
PARA BMS - EQUIPAMENTO E PROGRAMAÇÃO DE DISPOSITIVOS,

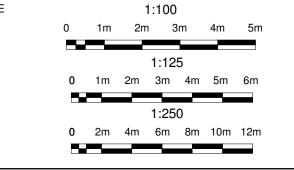
PARA BMS - EQUIPAMENTO E PHOGRAMAÇÃO DE DISPOSITIVOS, CONSULTE O DOCUMENTO PRD-LIS-020.

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.



KEY P





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## DRUG SUBSTANCE AUTOMATION BMS WALKABLE CEILING FLOOR

WALKABLE CEILING FLOOR
SHEET 2/4

ENGINEER ARCHITECT DESIGNER IPS PROJECT #
ITD19439.01

DRAWN BY REVIEWED BY SCALE CADD FILE NAME

AS NOTED

XREF FILE(S) DRAWING NUMBER

7B-I-0-3-01

AO-TV-970066

AI-PDT-RAV-B2041-1

REVISION 0 NOTES

TRANSLATED TO PORTUGUESE TRADUZIDO PARA O PORTUGUÊS.

REVISION 1 NOTES / NOTAS REVISÃO 1

INCREASED DRAWING SCALE.
ADDED INSTRUMENT CABLES NUMBERS. Project Services

> IPS Professional Engineers and Architects, PC. 
>  REV
>  DATE
>  DESCRIPTION
>
>
>  A
>  28AUG2020
>  90% BD ISSUE
>
>
>  B
>  16OCT2020
>  FINAL BD ISSUE
>
>
>  C
>  28JUN2021
>  90% DD ISSUE
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>
>  0
>  27SEP2021
>  ISSUE FOR CONSTRUCTION
>
>
>  1
>  26NOV2021
>  ISSUE FOR CONSTRUCTION CONSIDERING COMMENTS

Engineering

Design/Build

Compliance

Consulting

721 ARBOR WAY, SUITE 100

PENNSYLVANIA 19422

PHONE: 610.828.4090

FAX: 610.828.3656

www.ipsdb.com

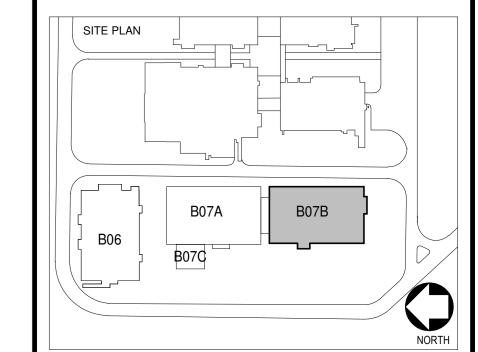
**BLUE BELL** 

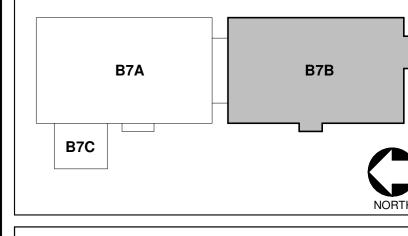
R. Dr. Cesário Mota Júnior, 424 - Vila Buarque, São Paulo - SP, 01221-020

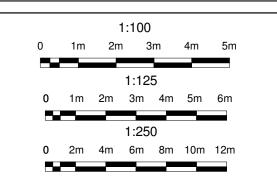
GENERAL NOTES / NOTAS GERAIS:

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. 3. SUPORTES TO CABLE TRAYS AND CONDUITS SHALL BE PROVIDE TO SUPORTES P/ BANDEJAS, ELETROD. DEVEM SER MONTADOS A CADA 2m

- 4. 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. 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 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. 8. 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.
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**DRUG SUBSTANCE** 

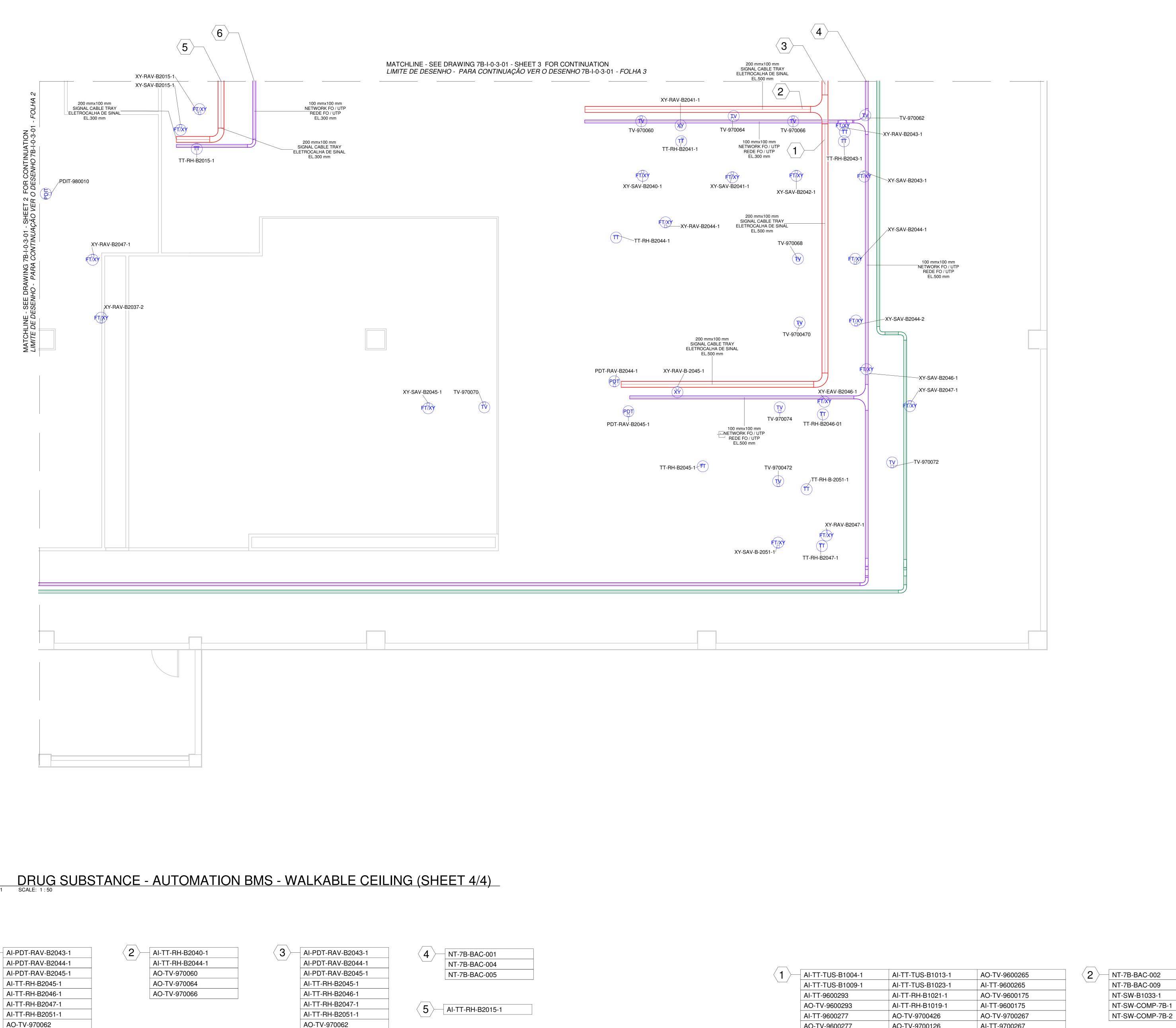
**AUTOMATION BMS** WALKABLE CEILING FLOOR SHEET 3/4

NGINEER	ARCHITECT	DESIGNER	IPS PROJECT #
IAF	BJE	FJT	ITD19439.01
RAWN BY	REVIEWED BY	SCALE	CADD FILE NAME
HA	MSS	AS NOTED	

DRAWING NUMBER

7B-I-0-3-01

AO-TV-970066



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

1 26NOV2021 CONSIDERING COMMENTS

IPS Professional Engineers and Architects, PC.

Engineering

Design/Build

Compliance

Consulting

721 ARBOR WAY, SUITE 100

PENNSYLVANIA 19422

PHONE: 610.828.4090

FAX: 610.828.3656

www.ipsdb.com

**BLUE BELL** 

GENERAL NOTES / NOTAS GERAIS:

EACH 2,00 METERS

1. 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. 3. SUPORTES TO CABLE TRAYS AND CONDUITS SHALL BE PROVIDE TO

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

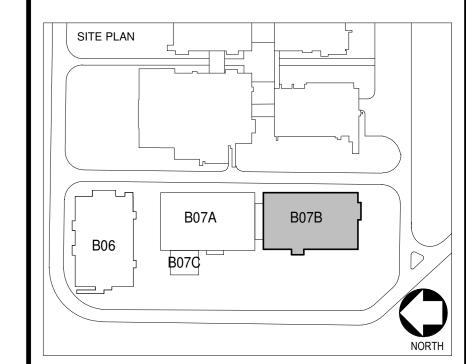
SUPORTES P/ BANDEJAS, ELETROD. DEVEM SER MONTADOS A CADA 2m 4. ALL CABLING BETWEEN SENSORS, ACTUATORS AND REMOTES IO WILL BE DONE BY OWNER'S BMS/EMS CONTRACTOR. TODOS CABOS ENTRE SENSORES, ATUADORES E REMOTAS DE IO SERÃO FEITOS PELA CONTRATANTE DE BMS / EMS. 5. MATERIAL LIST SEE DOCUMENT NUMBER PRD-AIC-LIS-043.

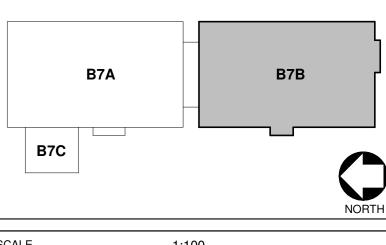
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**BURITI EPCMV PROJECT** DRUG SUBSTANCE

**AUTOMATION BMS** WALKABLE CEILING FLOOR SHEET 4/4

IPS PROJECT # FJT ITD19439.01 DRAWN BY REVIEWED BY SCALE AS NOTED

7B-I-0-3-01

DRAWING NUMBER

XREF FILE(S)

AO-TV-9700464 AO-TV-9700476 AO-TV-9700122 AO-TV-970098 AO-TV-970096 AO-TV-970094 AO-TV-9700118 AO-TV-9700116 AO-TV-970092

AI-PDT-B2017-01

AI-PDT-B2018-01

AI-PDT-B2019-01

AI-PDT-B2020-01

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AI-TT-RH-B2020-01

AI-TT-RH-B2021-01

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AO-TV-9700126 AI-TT-9700267 AI-TT-9600179 AI-TT-RH-B1024-1 AO-TV-9700128 AO-TV-9700179 AI-PDT-RAV-B1023-4 AI-TT-960021 AI-PDT-RAV-B1024-1 AO-TV-960021 AI-PDT-RAV-B1025-1 AO-TV-9600181 AO-TV-9700134 AI-TT-9600181 AI-TT-RH-B1023-1 AO-TV-9600263 AI-TT-RH-B1025-1 AI-TT-9600263

AI-TT-9600253

AI-PDIT-070001

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AO-TV-9700132

AO-TV-9700130

AO-TV-970068

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AO-TV-970072

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6 NT-7B-BAC-002