

TESSLER
engenharia

GENERAL NOTES:

1. REFER TO GENERAL INSTRUMENTATION AND CONTROLS
2. REFER TO P&IDs, PROCESS DETAILS, PIPING PLAN DRAWINGS FOR ADDITIONAL INFORMATION.
3. ALL EXPOSED CONDUITS IN LABORATORIES OR CLEAN ROOMS SHALL BE PVC COATED RIGID STEEL.
4. SEE IO LIST NUMBER PRO-AIC-LIS-006 BUILDING 7B
5. THE SDAI SYSTEM (FIRE ALARM) MUST BE CONNECTED IN BMS SYSTEM (SEE FIRE ALARM RISER DIAGRAM NUMBER 7A-0.7-02)
6. THE ACS SYSTEM (ACCESS CONTROL) AND CCTV SYSTEM MUST BE CONNECTED IN BMS SYSTEM (SEE TELECOM VOPV & DATA RISER DIAGRAM NUMBER 7B-0.7-01)
7. SEE DOCUMENT OF THE BMS SYSTEM COMPONENTS TECHNICAL SPECIFICATION (NUMBER PRD-AIC-TSP-014)

REVISION 0 NOTES

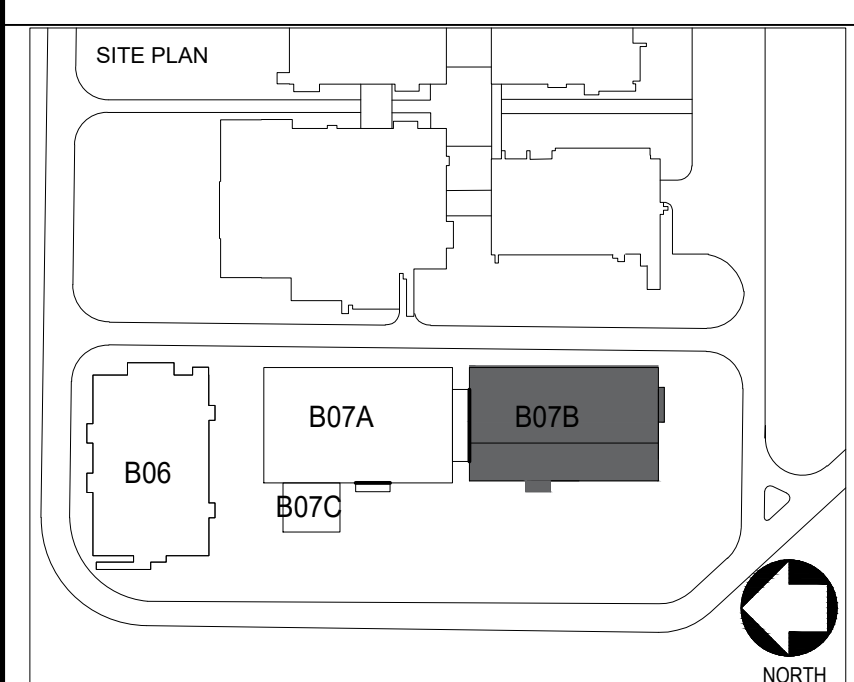
- A. INSERT SUB-SYSTEM OF THE SDAI, CCTV AND ACCESS CONTROL IN IN DRAWING
- B. UPTADE FOR HVAC REMOTE AND VFD IN EXHAUST
- C. INSERT SUB-ARCHITECTURE IN SHEET 2 AT 8
- D. INSERT COLD ROOM IN DRAWING

REVISION 1 NOTES

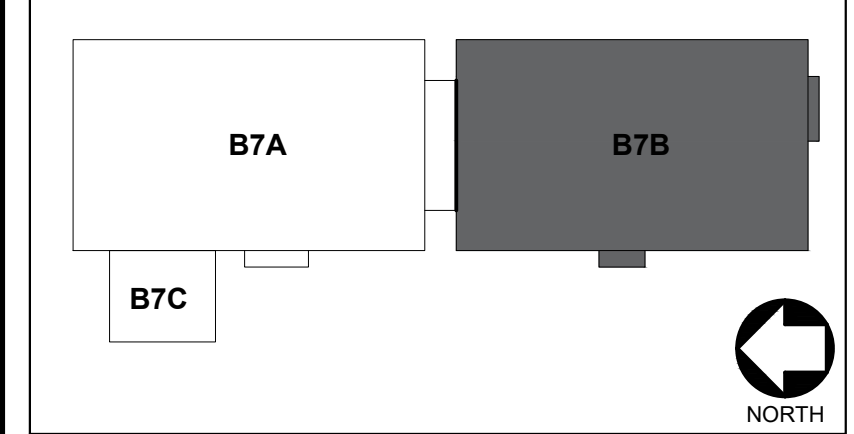
- A. UPTADED ARRAY DISK TAG.

REVISION 2 NOTES

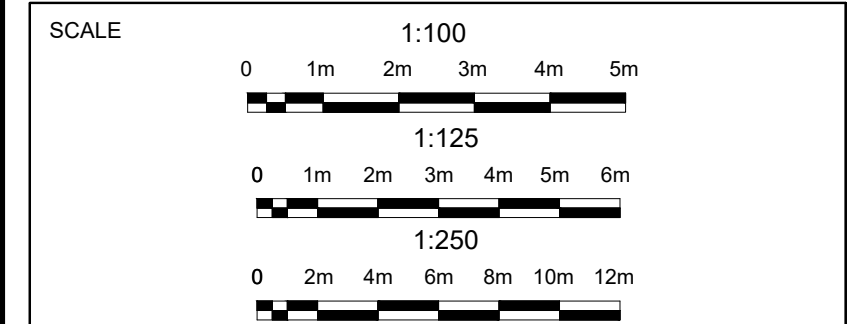
- A. REMOVED GATEWAY MODBUS FROM PANEL QDCOM-7F-01



KEY PLAN



SCALE



CONFIDENTIAL

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

CLIENT



BURITI EPCMV PROJECT

DRAWING TITLE

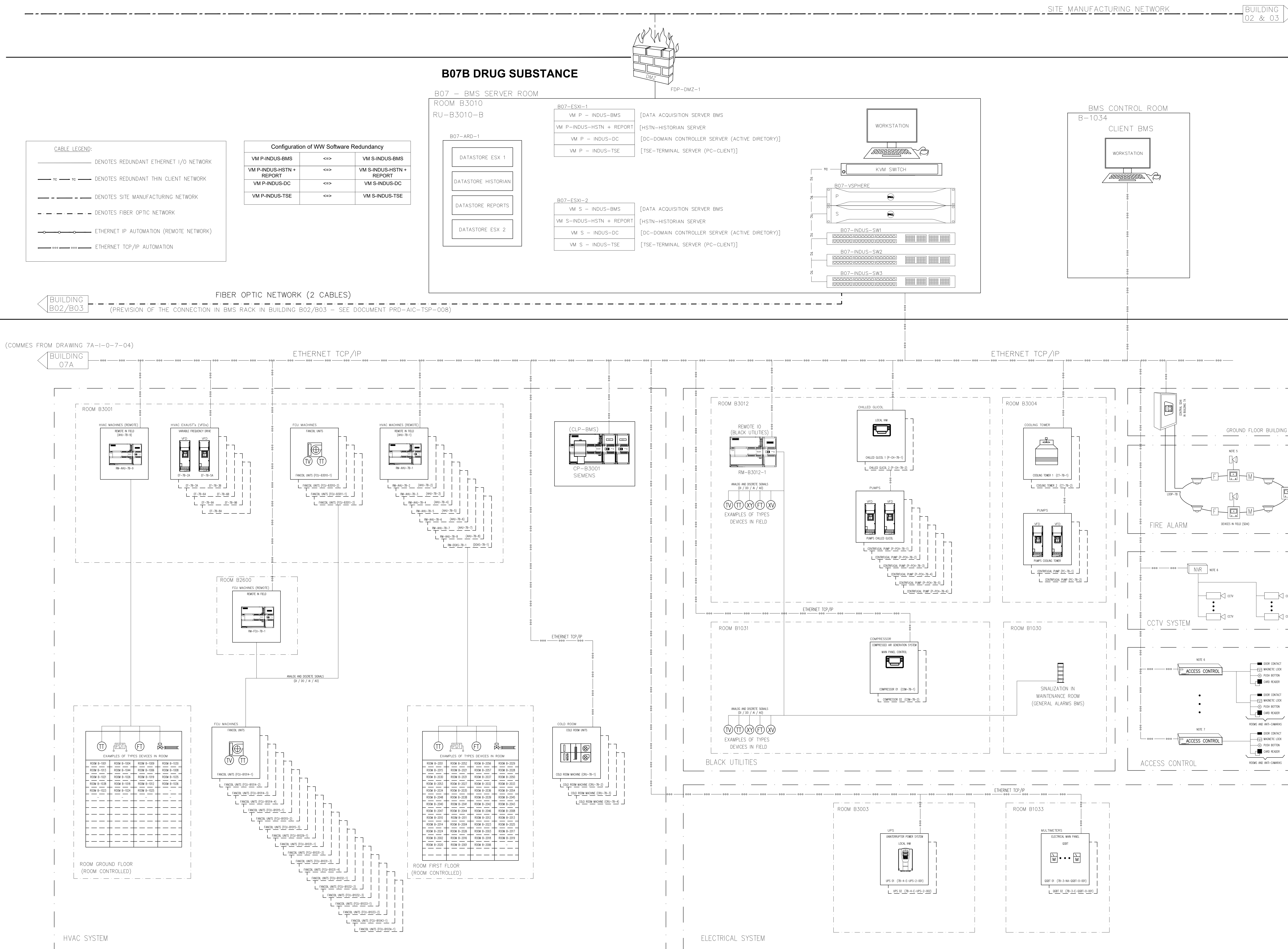
DRUG PRODUCT BMS
NETWORK ARCHITECTURE
(SHEET 01/08)

ENGINEER MAF	ARCHITECT BJE	DESIGNER FJT	IPS PROJECT # ITD19439.01
DRAWN BY ASS	REVIEWED BY MAJ	SCALE AS NOTED	CADD FILE NAME

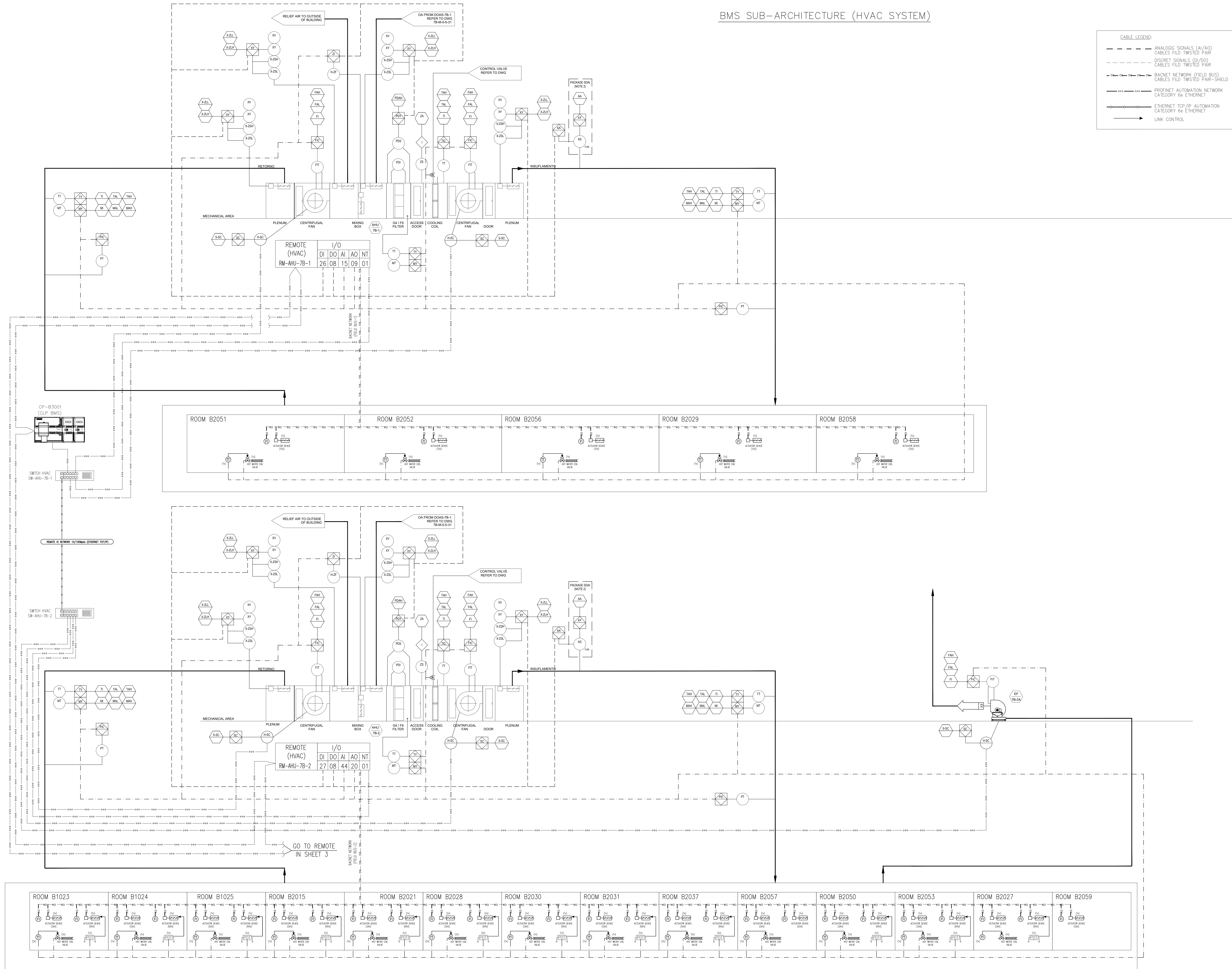
XREF FILE(S)

DRAWING NUMBER

7B-1-0-7-04



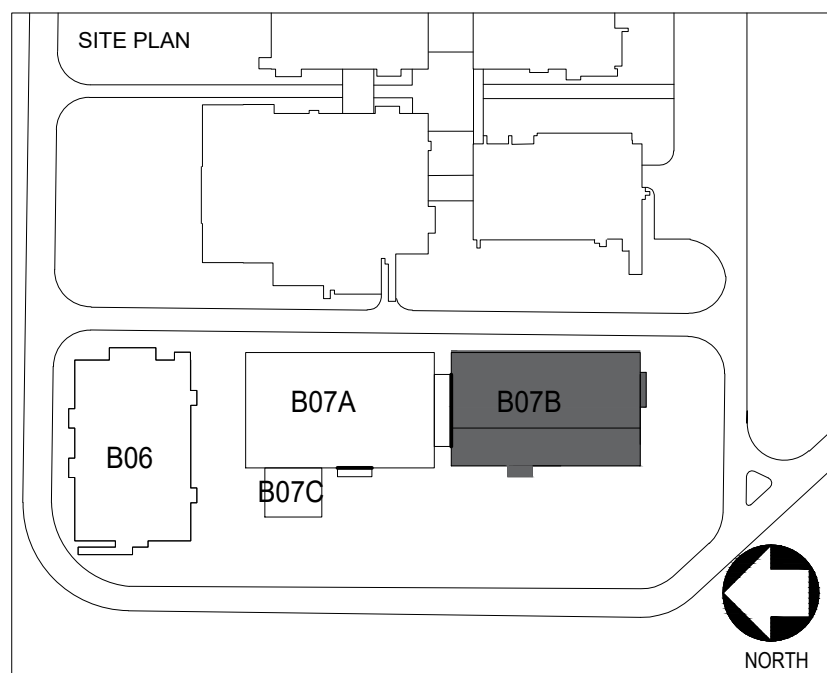
BMS ARCHITECTURE (BUILDING 7B)



REVISION	DATE	DESCRIPTION	BY
A	15JAN2021	ORIGINAL ISSUE - FOR APPROVAL	MAF
B	30JUN2021	90% DD ISSUE	MAF
0	17SEP2021	ISSUE FOR CONSTRUCTION	MAF
1	22NOV2021	ISSUE FOR CONSTRUCTION CONSIDERING COMMENTS	MAF
2	01FEB2022	ISSUE FOR CONSTRUCTION CONSIDERING COMMENTS	MAF

GENERAL NOTES:

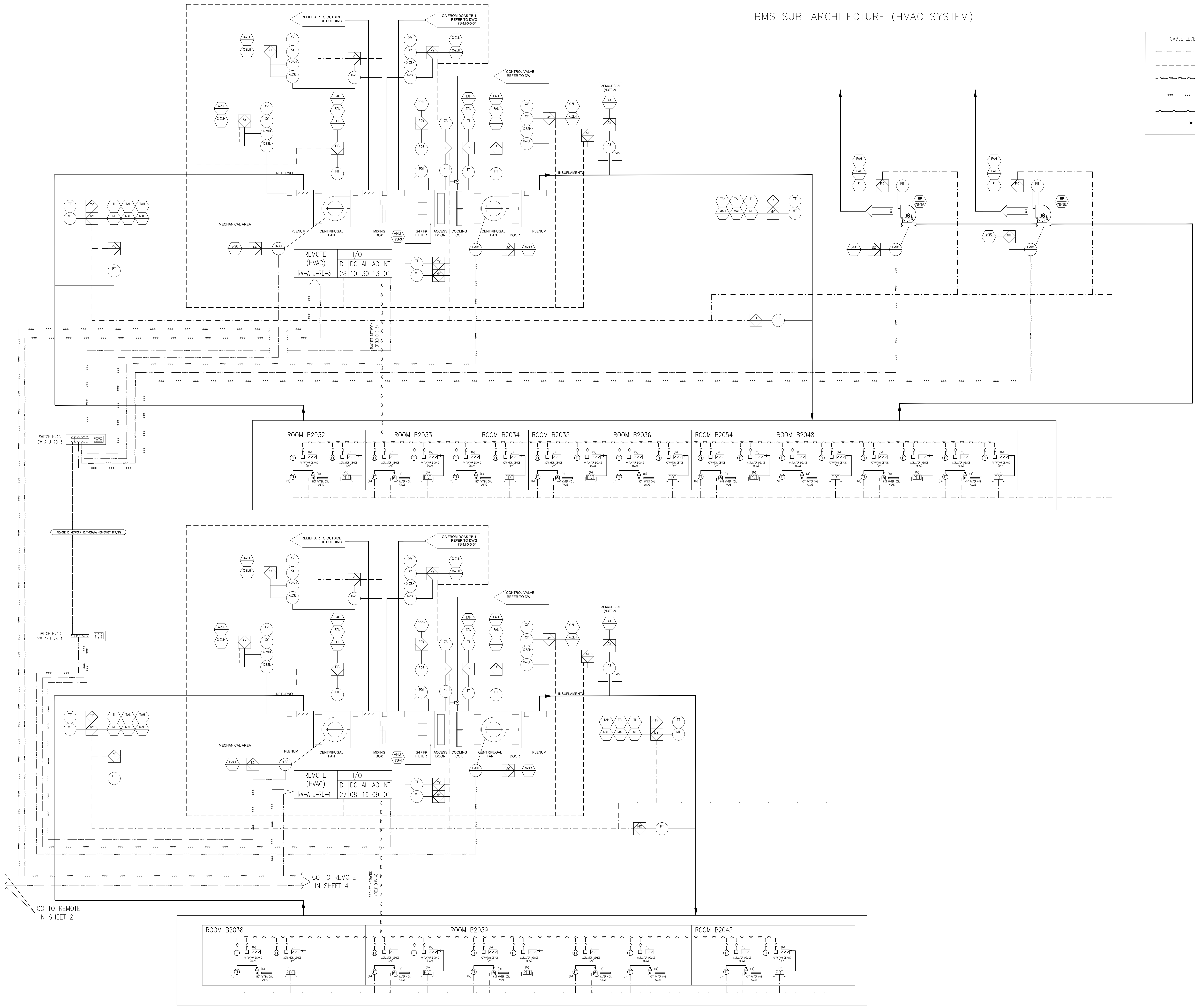
- SEE DOCUMENT OF THE HVAC SYSTEM (P&ID) THE 7B BUILDING.
- SMOKE DETECTOR SUPPLY VENDOR PACKAGE (FIRE ALARM).



BMS SUB-ARCHITECTURE (HVAC SYSTEM)

CABLE LEGEND:

- ANALOG SIGNALS (AI/AO)
- CABLES FLD TWISTED PAIR
- DISCRETE SIGNALS (DI/DO)
- CABLES FLD TWISTED PAIR
- BACNET NETWORK (FIELD BUS)
- CABLES FLD TWISTED PAIR-SHIELD
- PROFIBET AUTOMATION NETWORK
- CATEGORY 6e ETHERNET
- ETHERNET TCP/IP AUTOMATION
- CATEGORY 6e ETHERNET
- LINK CONTROL



ips

Integrated Project Services

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

IPS Professional Engineers and Architects, PC.

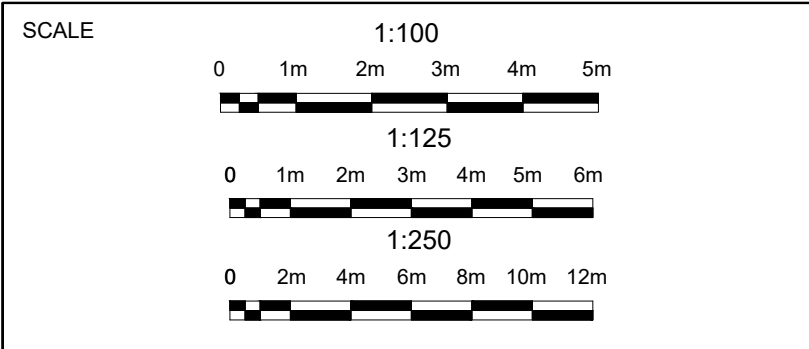
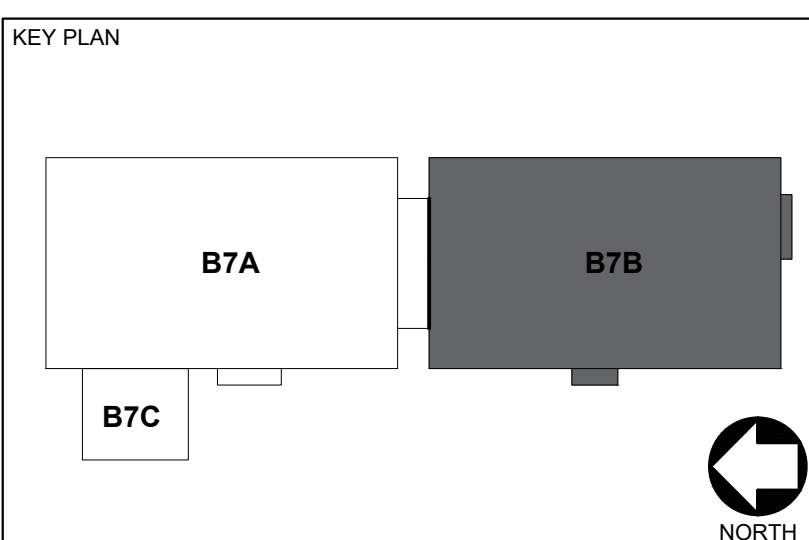
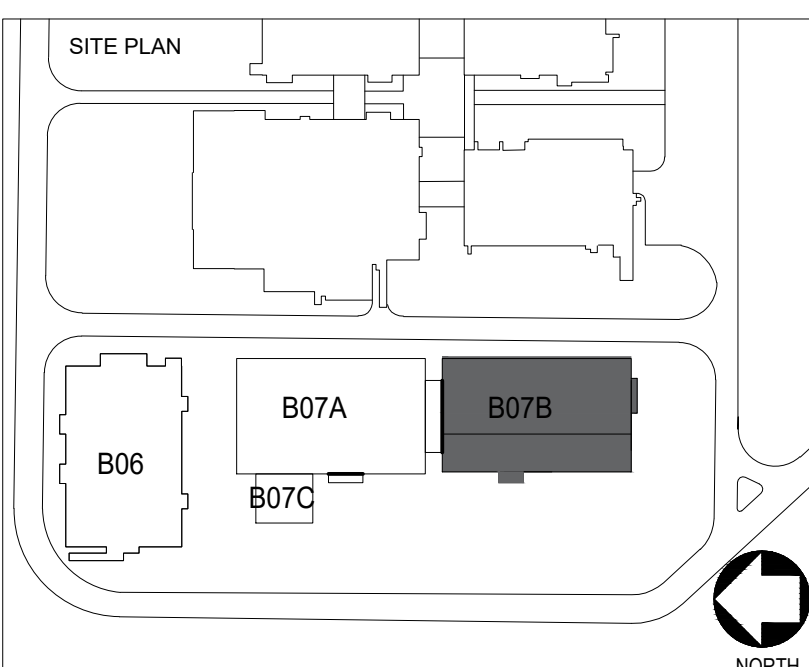
REVISION	DATE	DESCRIPTION	BY
A	15JAN2021	ORIGINAL ISSUE - FOR APPROVAL	MAF
B	30JUN2021	90% DD ISSUE	MAF
0	17SEP2021	ISSUE FOR CONSTRUCTION	MAF
1	22NOV2021	ISSUE FOR CONSTRUCTION	MAF
2	01FEB2022	ISSUE FOR CONSTRUCTION	MAF

TESSLER
engenharia

R. Dr. Cesarino Mota Junior, 424 - Vila Buarque, São Paulo - SP, 01211-420

GENERAL NOTES:

- SEE DOCUMENT OF THE HVAC SYSTEM (P&ID) THE 7B BUILDING.
- SMOKE DETECTOR SUPPLY VENDOR PACKAGE (FIRE ALARM).



CONFIDENTIAL

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

CLIENT

Takeda

Hemobrás
Empresa Brasileira de Hemoderivação e Biotecnologia

BURITI EPCMV PROJECT

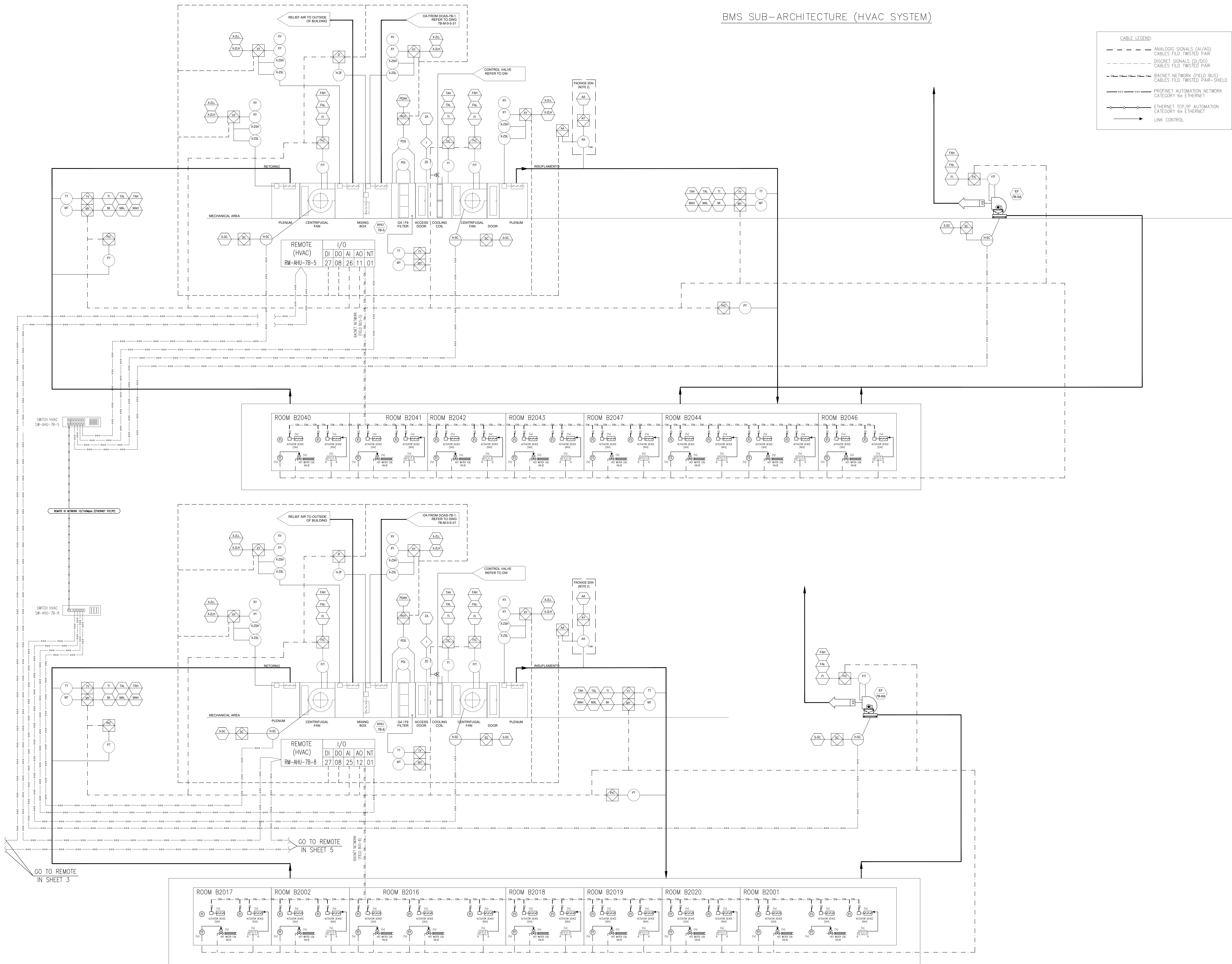
DRAWING TITLE

**DRUG PRODUCT BMS
NETWORK ARCHITECTURE
HVAC SYSTEM (SHEET 03/08)**

ENGINEER MAF	ARCHITECT BJE	DESIGNER FJT	IPS PROJECT # ITD19439.01
DRAWN BY ASS	REVIEWED BY MAJ	SCALE AS NOTED	CADD FILE NAME

XREF FILE(S)	DRAWING NUMBER
	7B-I-0-7-04

BMS SUB-ARCHITECTURE (HVAC SYSTEM)



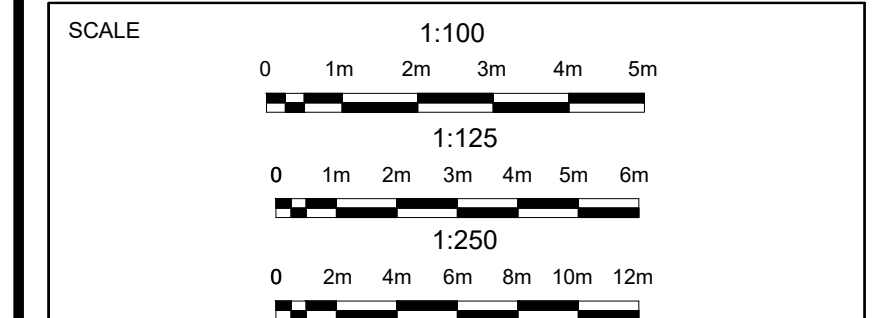
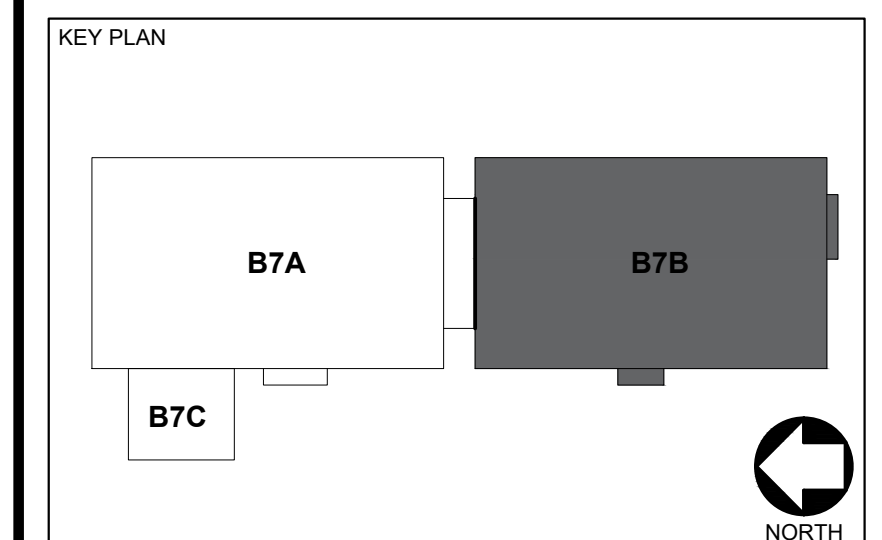
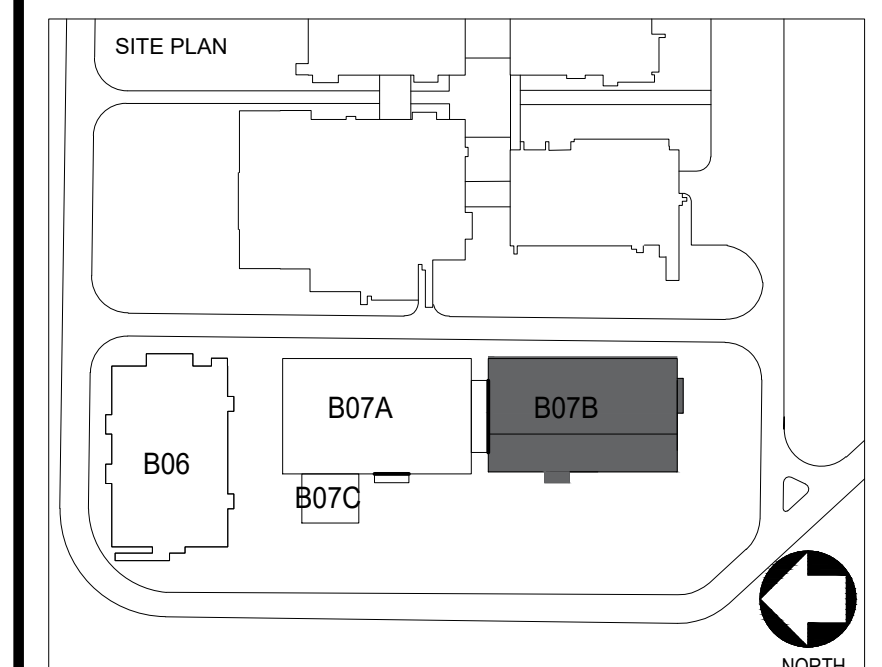
CABLE LEGEND:

- ANALOG SIGNALS (A1/A0)
CABLES FILD TWISTED PAIR
- - - - DISCREET SIGNALS (D0/D00)
CABLES FILD TWISTED PAIR
- BACNET NETWORK (FIELD BUS)
CABLES FILD TWISTED PAIR—SHIELD
- PROFNET AUTOMATION NETWORK
CATEGORY 6e ETHERNET
- ETHERNET TCP/IP AUTOMATION
CATEGORY 6e ETHERNET
- ▶— LINK CONTROL

[illegible]

GENERAL NOTES:

1. SEE DOCUMENT OF THE HVAC SYSTEM (P&ID) THE 7B BUILDING.
2. SMOKE DETECTOR SUPPLY VENDOR PACKAGE (FIRE ALARM) .



CONFIDENTIAL

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

CLIENT



DRAWING TITLE

DRUG PRODUCT BMS
NETWORK ARCHITECTURE
HVAC SYSTEM (SHEET 05/08)

ENGINEER MAF	ARCHITECT BJE	DESIGNER FJT	IPS PROJECT # ITD19439.01
DRAWN BY ASS	REVIEWED BY MAJ	SCALE AS NOTED	CADD FILE NAME

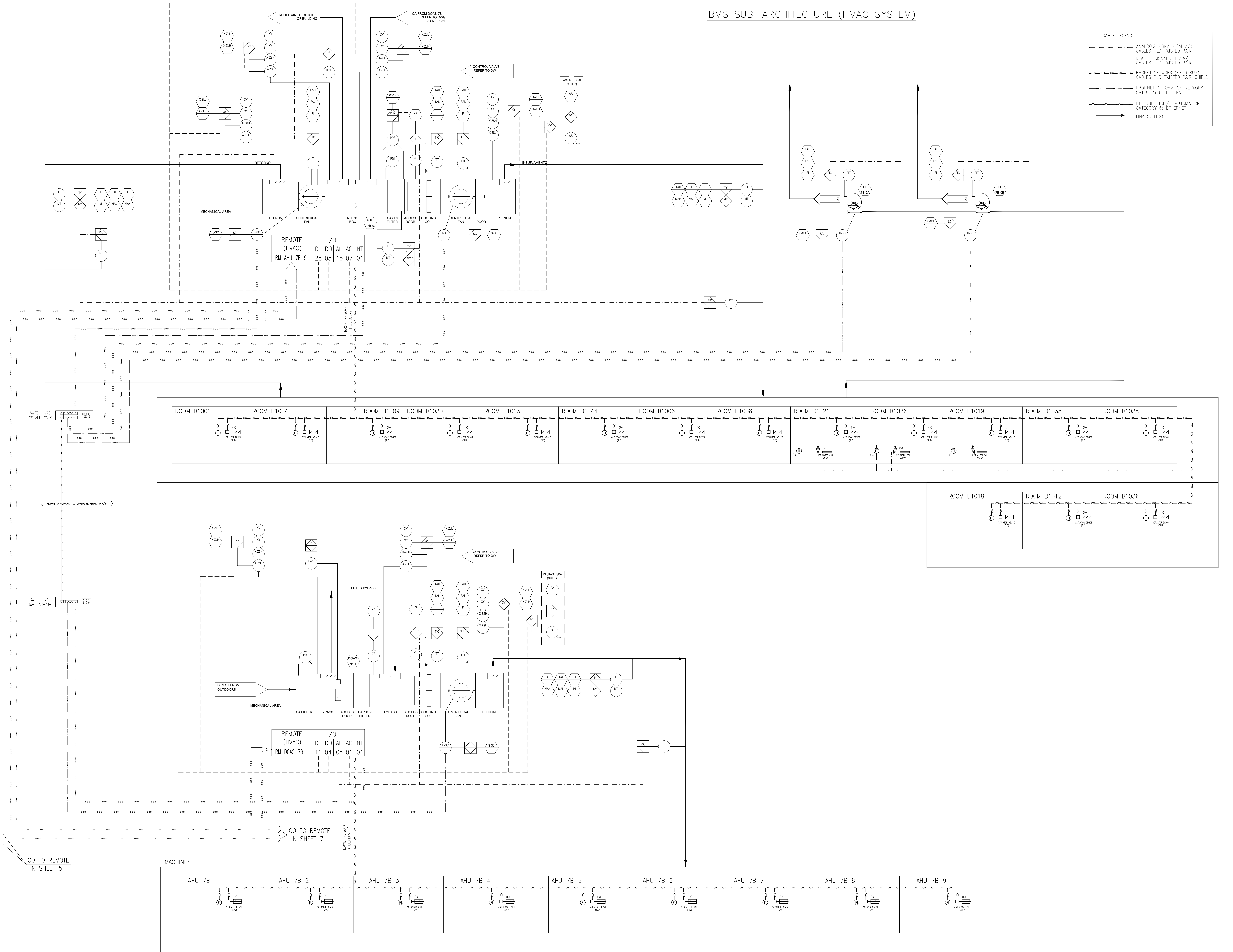
XREF FILE(S)


DRAWING NUMBER	
----------------	--

7B-1-0-7-04

BMS SUB-ARCHITECTURE (HVAC SYSTEM)

CABLE LEGEND:	
---	ANALOGIC SIGNALS (A/AO)
---	CABLES FLD TWISTED PAIR
---	DISCRET SIGNALS (DI/DO)
---	CABLES FLD TWISTED PAIR-SHIELD
---	BACNET NETWORK (FIELD BUS)
---	CABLES FLD TWISTED PAIR-SHIELD
---	PROFINET AUTOMATION NETWORK
---	CATEGORY 6e ETHERNET
---	ETHERNET TCP/IP AUTOMATION
---	CATEGORY 6e ETHERNET
---	LINK CONTROL






Integrated Project Services
Engineering
Design/Build
Compliance
Consulting

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

IPS Professional Engineers and Architects, PC.

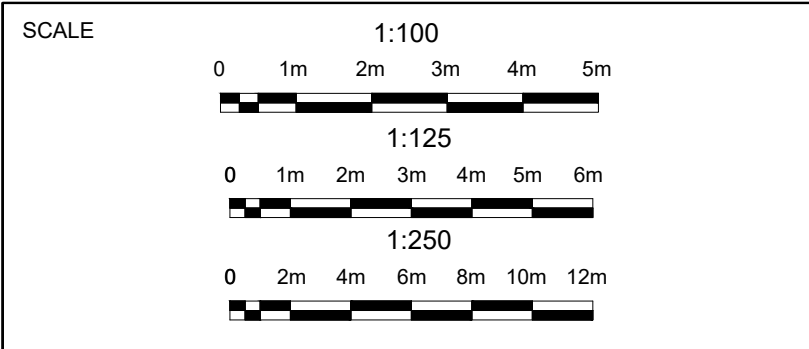
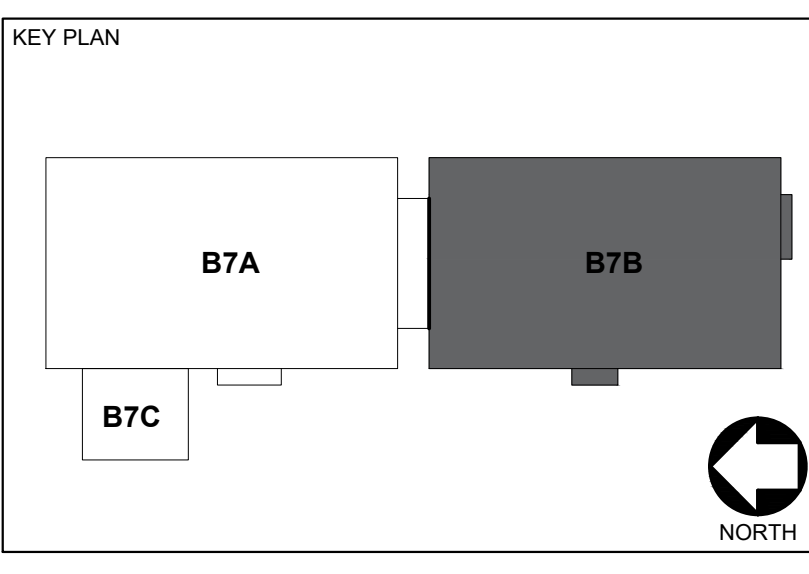
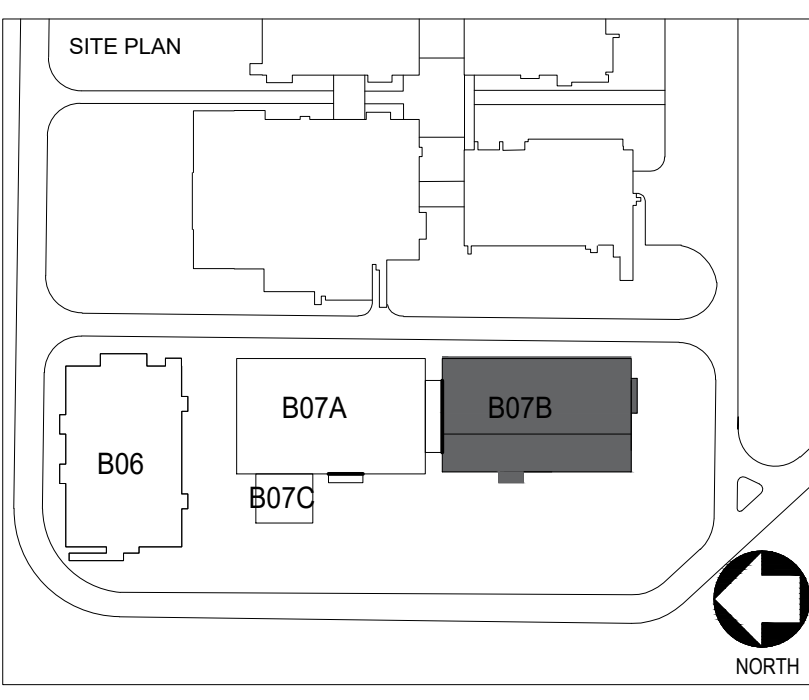
REVISION	DATE	DESCRIPTION	BY
A	15JAN2021	ORIGINAL ISSUE - FOR APPROVAL	MAF
B	30JUN2021	90% DD ISSUE	MAF
0	17SEP2021	ISSUE FOR CONSTRUCTION	MAF
1	22NOV2021	ISSUE FOR CONSTRUCTION CONSIDERING COMMENTS	MAF
2	01FEB2022	ISSUE FOR CONSTRUCTION CONSIDERING COMMENTS	MAF



R. Dr. Cesarino Mota Junior, 424 - Vila Buarque, São Paulo - SP, 01221-020

GENERAL NOTES:

- SEE DOCUMENT OF THE HVAC SYSTEM (P&ID) THE 7B BUILDING.
- SMOKE DETECTOR SUPPLY VENDOR PACKAGE (FIRE ALARM).



CONFIDENTIAL

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

CLIENT



BURITI EPCMV PROJECT

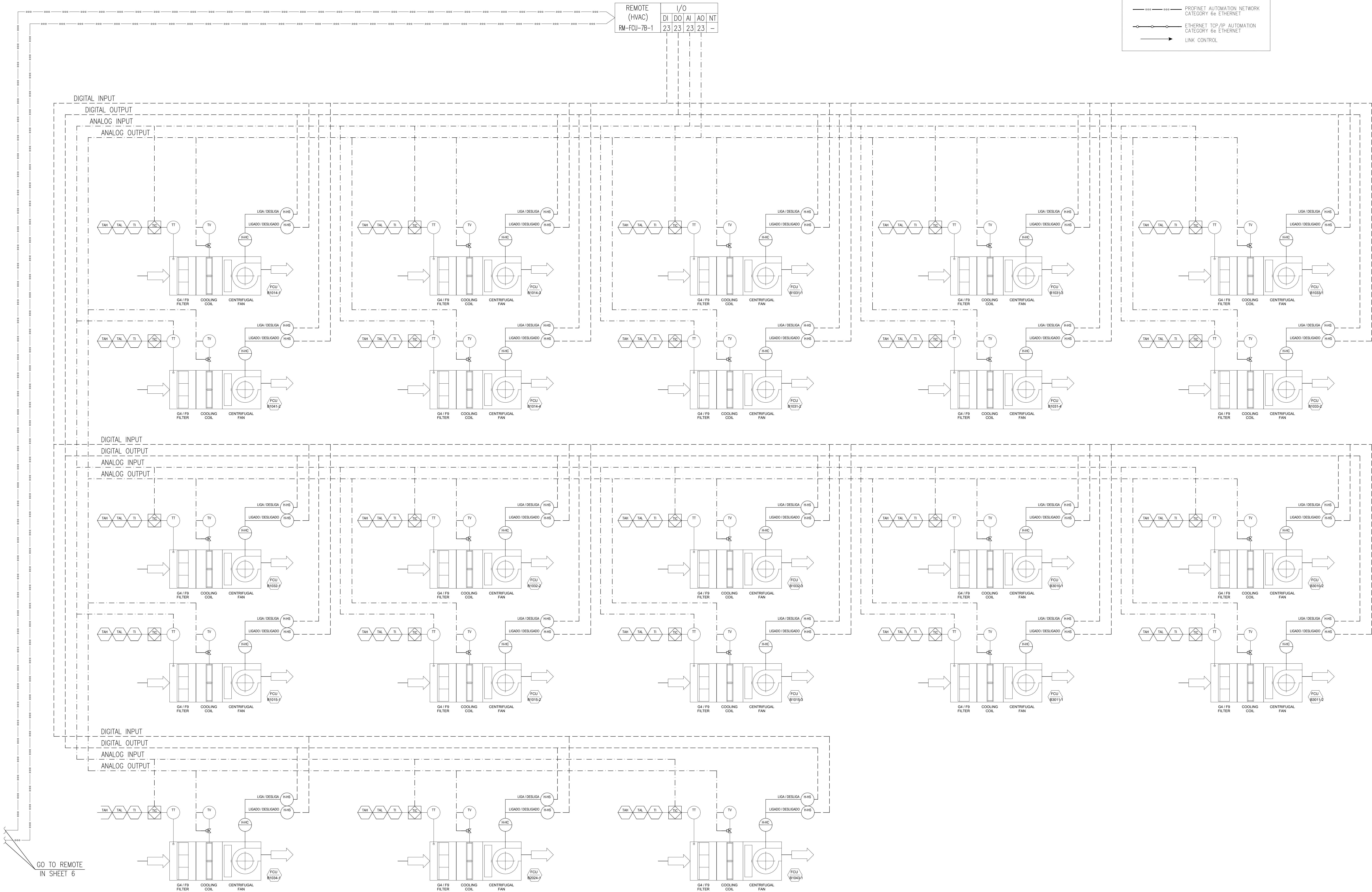
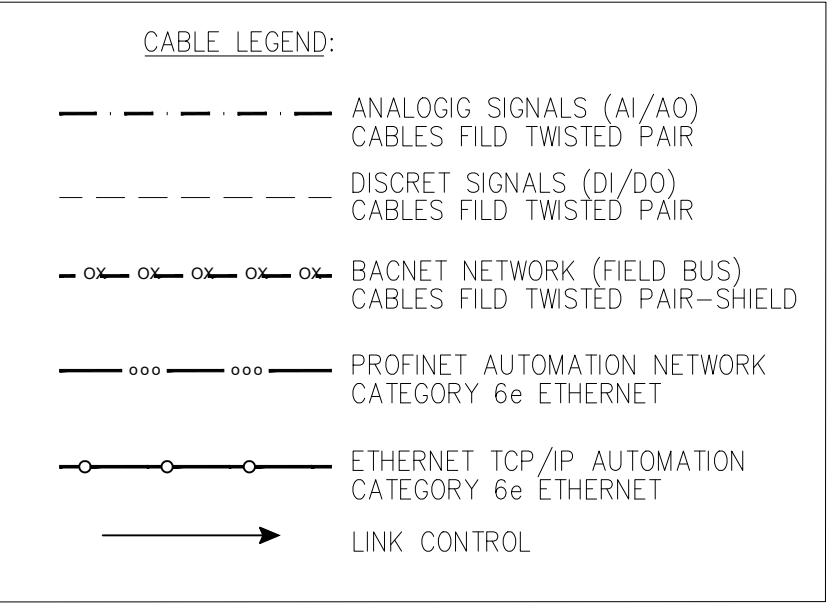
DRAWING TITLE

**DRUG PRODUCT BMS
NETWORK ARCHITECTURE
HVAC SYSTEM (SHEET 06/08)**

ENGINEER MAF	ARCHITECT BJE	DESIGNER FJT	IPS PROJECT # ITD19439.01
DRAWN BY ASS	REVIEWED BY MAJ	SCALE AS NOTED	CADD FILE NAME

XREF FILE(S)	DRAWING NUMBER
	7B-I-0-7-04

BMS SUB-ARCHITECTURE (HVAC SYSTEM)



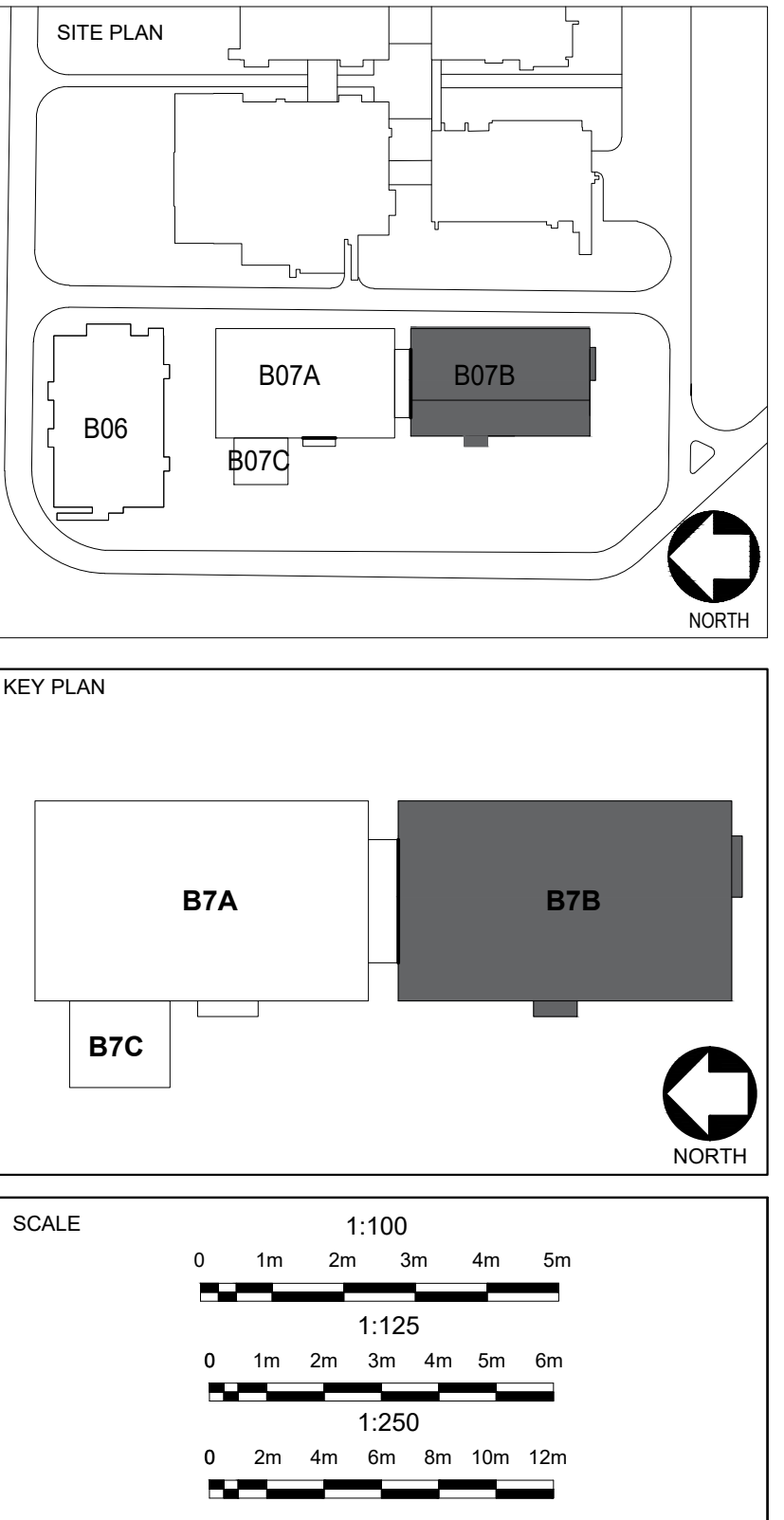
ips
Integrated Project Services
721 ARBOR WAY, SUITE 100
BLUE BELL, PENNSYLVANIA 19422
PHONE: 610.828.4090
FAX: 610.828.3656
www.ipsdb.com
IPS Professional Engineers and Architects, PC.

REVISION	DATE	DESCRIPTION	BY
A	10JAN2021	ORIGINAL ISSUE - FOR APPROVAL	MAF
B	30JUN2021	90% DD ISSUE	MAF
0	17BET2021	ISSUE FOR CONSTRUCTION	MAF
1	22NOV2021	ISSUE FOR CONSTRUCTION CONSIDERING COMMENTS	MAF
2	01FEB2022	ISSUE FOR CONSTRUCTION CONSIDERING COMMENTS	MAF

TESSLER
engenharia
R. Dr. Cesarino Mota Junior, 424 - Vila Buarque, São Paulo - SP, 01221-020

GENERAL NOTES:

1. SEE DOCUMENT OF THE HVAC SYSTEM (P&ID) THE 7B BUILDING.



CONFIDENTIAL

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

CLIENT
Takeda
Hemobrás
Empresa Brasileira de Hemoderivação e Biotecnologia
BURITI EPCMV PROJECT

DRAWING TITLE
**DRUG PRODUCT BMS
NETWORK ARCHITECTURE
HVAC SYSTEM (SHEET 07/08)**

ENGINEER MAF	ARCHITECT BJE	DESIGNER FJT	IPS PROJECT # ITD19439.01
DRAWN BY ASS	REVIEWED BY MAJ	SCALE AS NOTED	CADD FILE NAME

XREF FILE(S)	DRAWING NUMBER 7B-I-0-7-04
--------------	--------------------------------------

