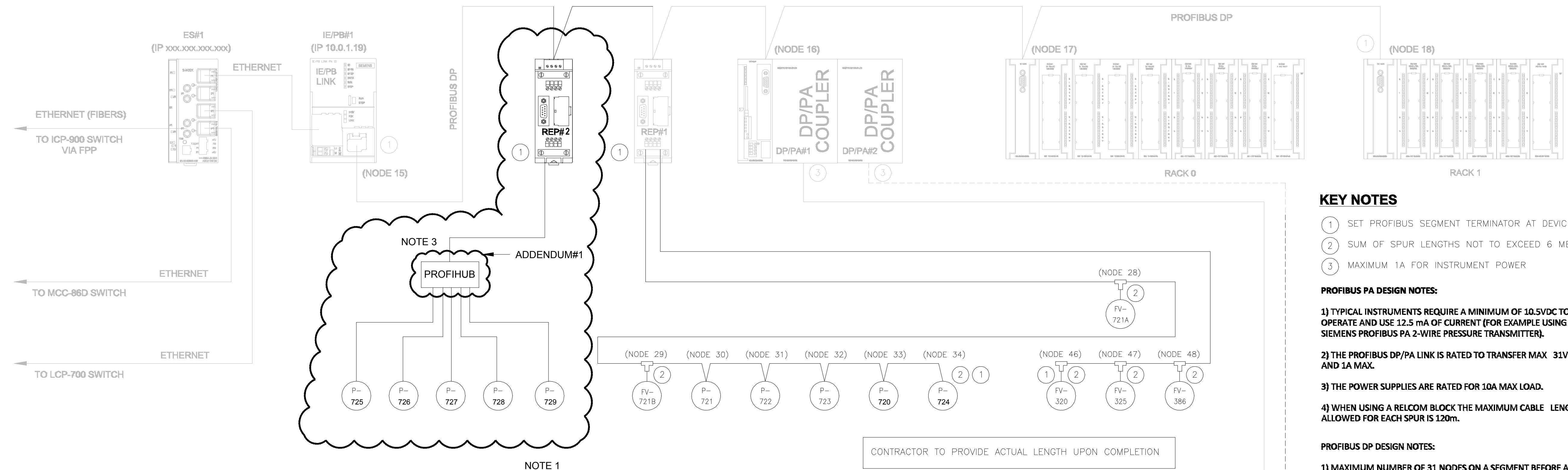
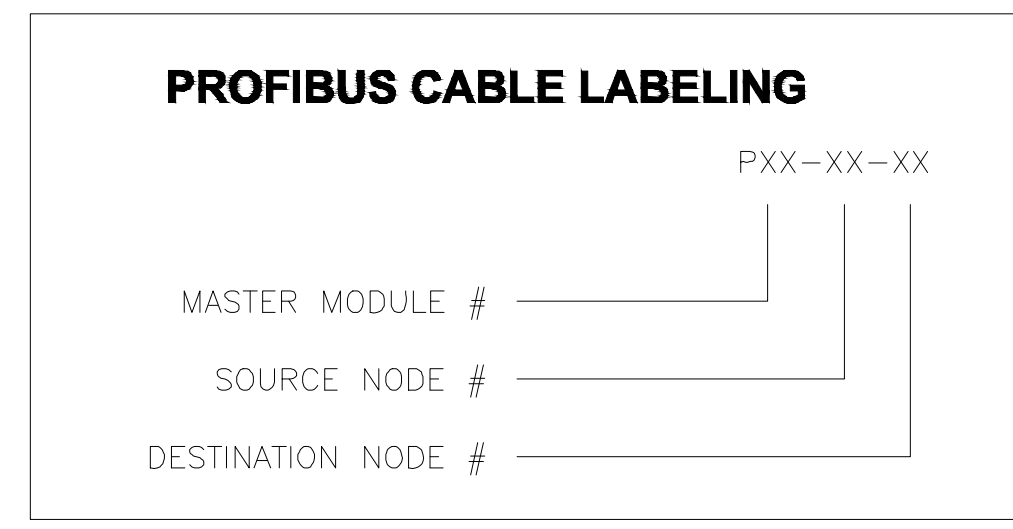


300 mm
200
100
50
0 10 mm



- KEY NOTES**
- ① SET PROFIBUS SEGMENT TERMINATOR AT DEVICE.
 - ② SUM OF SPUR LENGTHS NOT TO EXCEED 6 METERS
 - ③ MAXIMUM 1A FOR INSTRUMENT POWER
- PROFIBUS PA DESIGN NOTES:**
- 1) TYPICAL INSTRUMENTS REQUIRE A MINIMUM OF 10.5VDC TO OPERATE AND USE 12.5 mA OF CURRENT (FOR EXAMPLE USING SIEMENS PROFIBUS PA 2-WIRE PRESSURE TRANSMITTER).
 - 2) THE PROFIBUS DP/PA LINK IS RATED TO TRANSFER MAX 31VDC AND 1A MAX.
 - 3) THE POWER SUPPLIES ARE RATED FOR 10A MAX LOAD.
 - 4) WHEN USING A RELCOM BLOCK THE MAXIMUM CABLE LENGTH ALLOWED FOR EACH SPUR IS 120m.
- PROFIBUS DP DESIGN NOTES:**
- 1) MAXIMUM NUMBER OF 31 NODES ON A SEGMENT BEFORE A REPEATER IS REQUIRED.
 - 2) MAXIMUM NUMBER OF NODES ASSIGNED TO ONE MASTER IS 126.
 - 3) MAXIMUM COMMUNICATION SPEED ALLOWED WHILE USING TEES AND SPURS TO CONNECT INSTRUMENTS IS 1.5 Mbs.
 - 4) MAXIMUM CABLE LENGTH OF EACH SPUR IS 1 m AT 1.5 Mbs.
 - 5) MINIMUM DISTANCE BETWEEN EACH INSTRUMENT ON A BUS IS 1m.
 - 6) MAXIMUM CABLE LENGTH OF EACH SEGMENT IS 200m FOR COMMUNICATION SPEEDS OF 1.5 Mbs.
 - 7) UP TO 9 REPEATERS MAY BE CASCADED TO ALLOW LONGER RUNS OF CABLE AND/OR MORE THAN 31 NODES.

- NOTES:**
- 1) REPEATER REP#2 AND PROFIHUB ARE SUPPLIED AND INSTALLED BY CONTRACTOR. PROFIBUS DP CABLE FROM REP#2 TO PROFIHUB AND TO FIELD DEVICES IS SUPPLIED AND INSTALLED BY CONTRACTOR.
 - 2) FIT-726 & FIT 727 CONNECT TO MEGABLOCK #1. PROFIBUS CABLE IS SUPPLIED AND INSTALLED BY CONTRACTOR.
 - 3) FIELD INSTALL PROFIHUB IN PANEL MOUNT TO HYPO DOSING SKID AND POWER SUPPLY FROM RJB-4 PANEL.



PROFIBUS - PA TRUNK LENGTH (m)	POWER CONSUMPTION (mA)
30	5

NOTE: ALL ITEMS IN REVISION CLOUD ARE NEW ADDITIONS OR MODIFICATIONS TO THE EXISTING SERVICE.

Revision	Amendment	Approved	Revision Date
A	ISSUED FOR TENDER	RG	13JUL17

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Scales: NTS

Approved Date: 13 JUL 2017

Project		REGIONAL DISTRICT OF NORTH OKANAGAN DUTEAU CREEK WTP UV UPGRADE
Sheet		EXISTING RJB-4 MODIFIED NETWORK
Project No.	Sheet No.	Revision
D-15043.00	E822	A