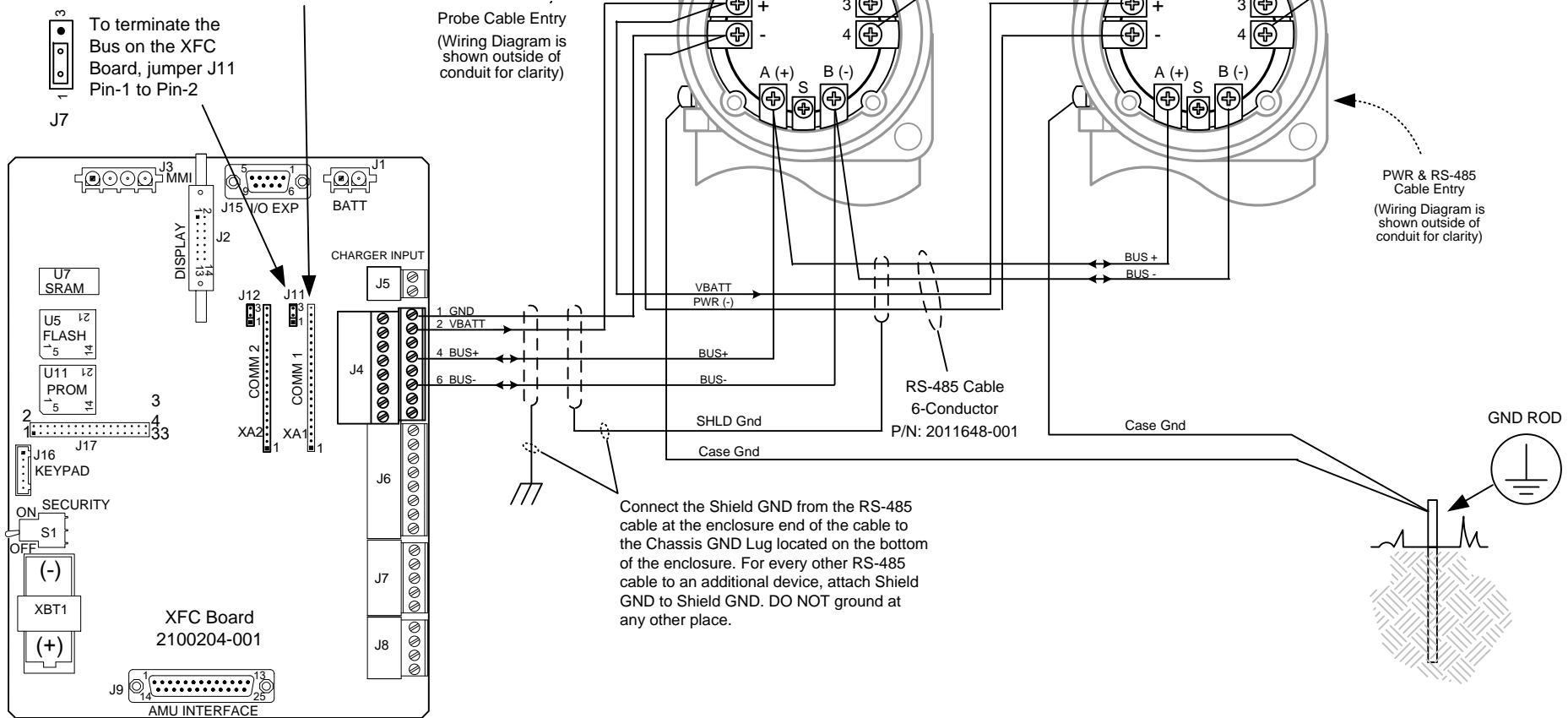NOTES:

1. WARNING: This drawing does not illustrate the installation methods required for hazardous locations. Prior to any installation in a Classified Hazardous Location, verify installation methods by the Control Drawing referenced on the product's name tag and national and local codes.

RTD Probe

RTD Probe

SHIELD
WHT
WHT
BLK
BLK

IMV25
P/N: 1641200-XXX

RS-485 Communications Module
Totalflow P/N 2015193-002/003
In this configuration, COMM1 may not be used to communicate with other devices. To attach other devices, such as other flow computers, use COMM2

SHIELD
WHT
WHT
BLK
BLK

IMV25
P/N: 1641200-XXX

To terminate the Bus on the XFC Board, jumper J11 Pin-1 to Pin-2

J7

Probe Cable Entry
(Wiring Diagram is shown outside of conduit for clarity)

PWR & RS-485 Cable Entry
(Wiring Diagram is shown outside of conduit for clarity)

J3 MMI
J15 I/O EXP
BATT
J1

DISPLAY
J2

CHARGER INPUT

U7 SRAM

U5 FLASH

U11 PROM

J12
J11
COMM 2
COMM 1
XA2
XA1

J5
J4

J17
J16 KEYPAD

SECURITY
ON
S1
OFF

(-)
XBT1
(+)

XFC Board
2100204-001

J6

J7

J8

J9
AMU INTERFACE

1 GND
2 VBATT
4 BUS+
6 BUS-

VBATT
PWR (-)

BUS+

BUS-

SHLD Gnd

Case Gnd

BUS +
BUS -

RS-485 Cable
6-Conductor
P/N: 2011648-001

Case Gnd

GND ROD

Connect the Shield GND from the RS-485 cable at the enclosure end of the cable to the Chassis GND Lug located on the bottom of the enclosure. For every other RS-485 cable to an additional device, attach Shield GND to Shield GND. DO NOT ground at any other place.

REF:N/A

	TOTALFLOW Products	ACTION	DOC TYPE	TITLE XFC (2100204 BD) COMM1 TO IMV25 MULTIVARIABLE (1641200) W/RTD PROBE	DWG NO.	REV	SHEET
ABB		D24201	UD		2104270	AB	1 OF 1