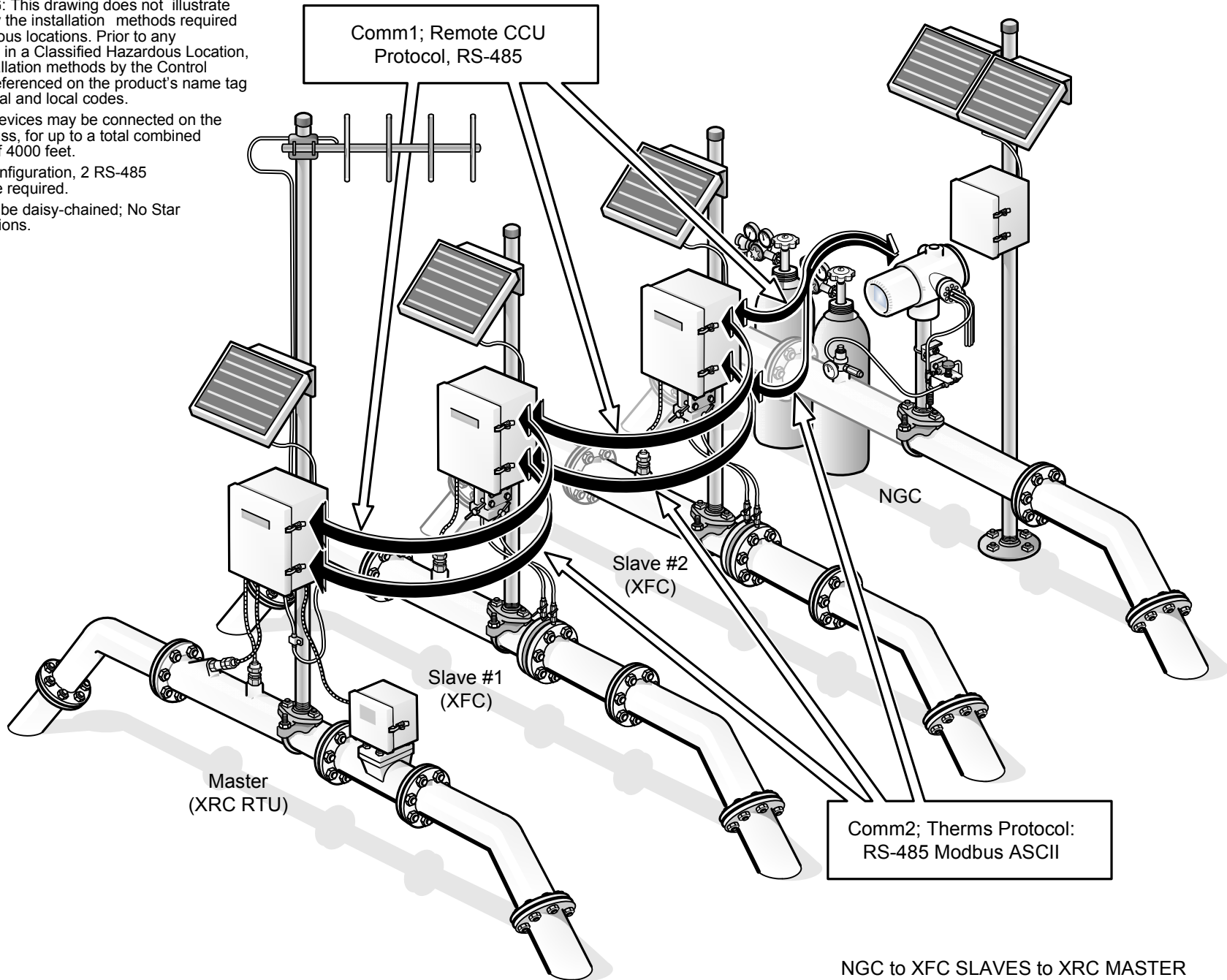


NOTES:

1. **WARNING:** This drawing does not illustrate completely 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.
2. Up to 32 devices may be connected on the RS-485 buss, for up to a total combined distance of 4000 feet.  
For this configuration, 2 RS-485 busses are required.
3. Units must be daisy-chained; No Star Configurations.



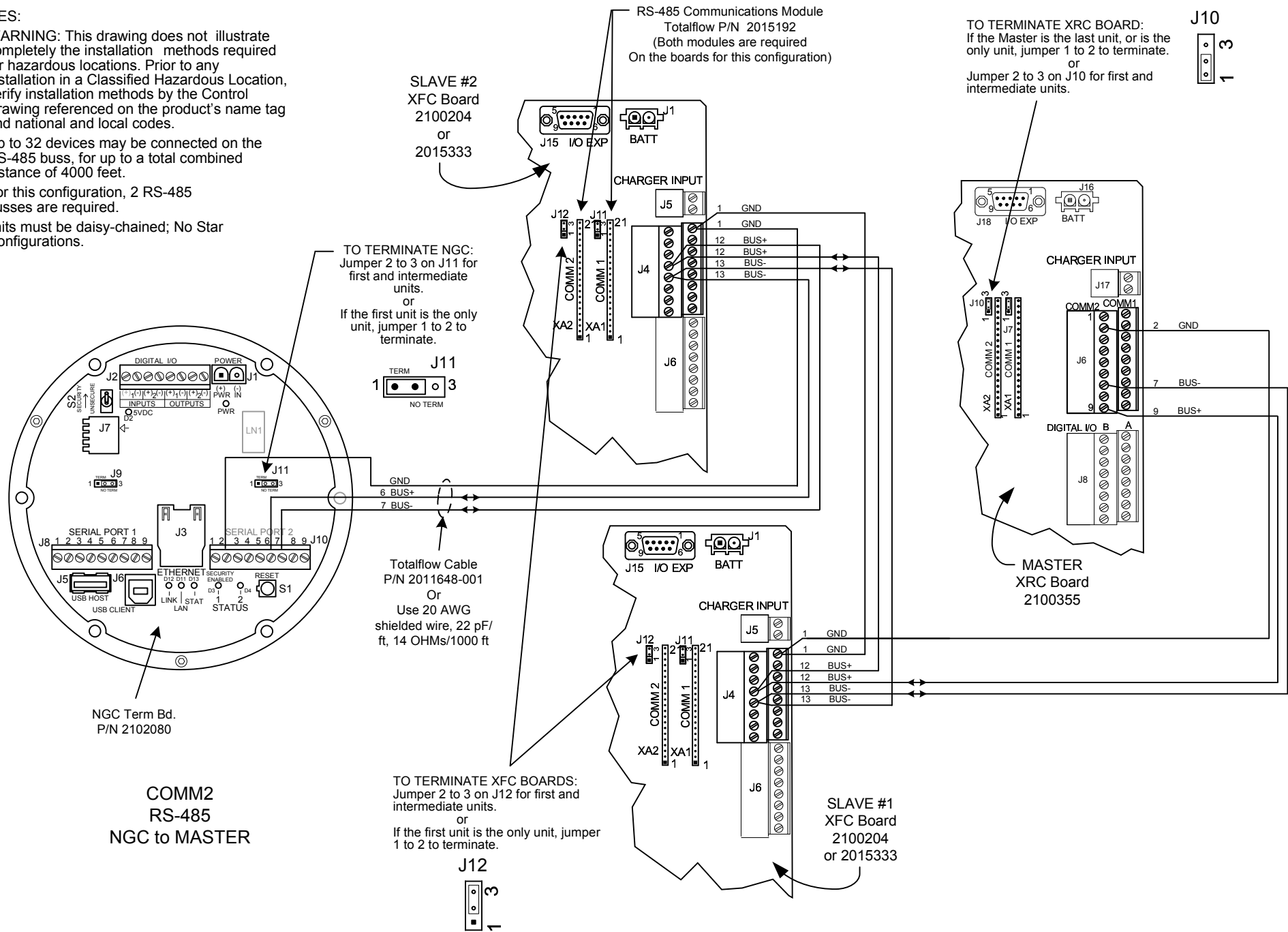
NGC to XFC SLAVES to XRC MASTER

<b>ABB</b>	TOTALFLOW Products	ACTION	DOC TYPE	TITLE	DWG NO.	REV	SHEET
		L19098	UD	THERMS STATION WIRING LAYOUT NGC TO XFC SLAVE TO XRC MASTER	2102929	AA	1 OF 7



**NOTES:**

- WARNING:** This drawing does not illustrate completely 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.
- Up to 32 devices may be connected on the RS-485 buss, for up to a total combined distance of 4000 feet.  
For this configuration, 2 RS-485 busses are required.
- Units must be daisy-chained; No Star Configurations.

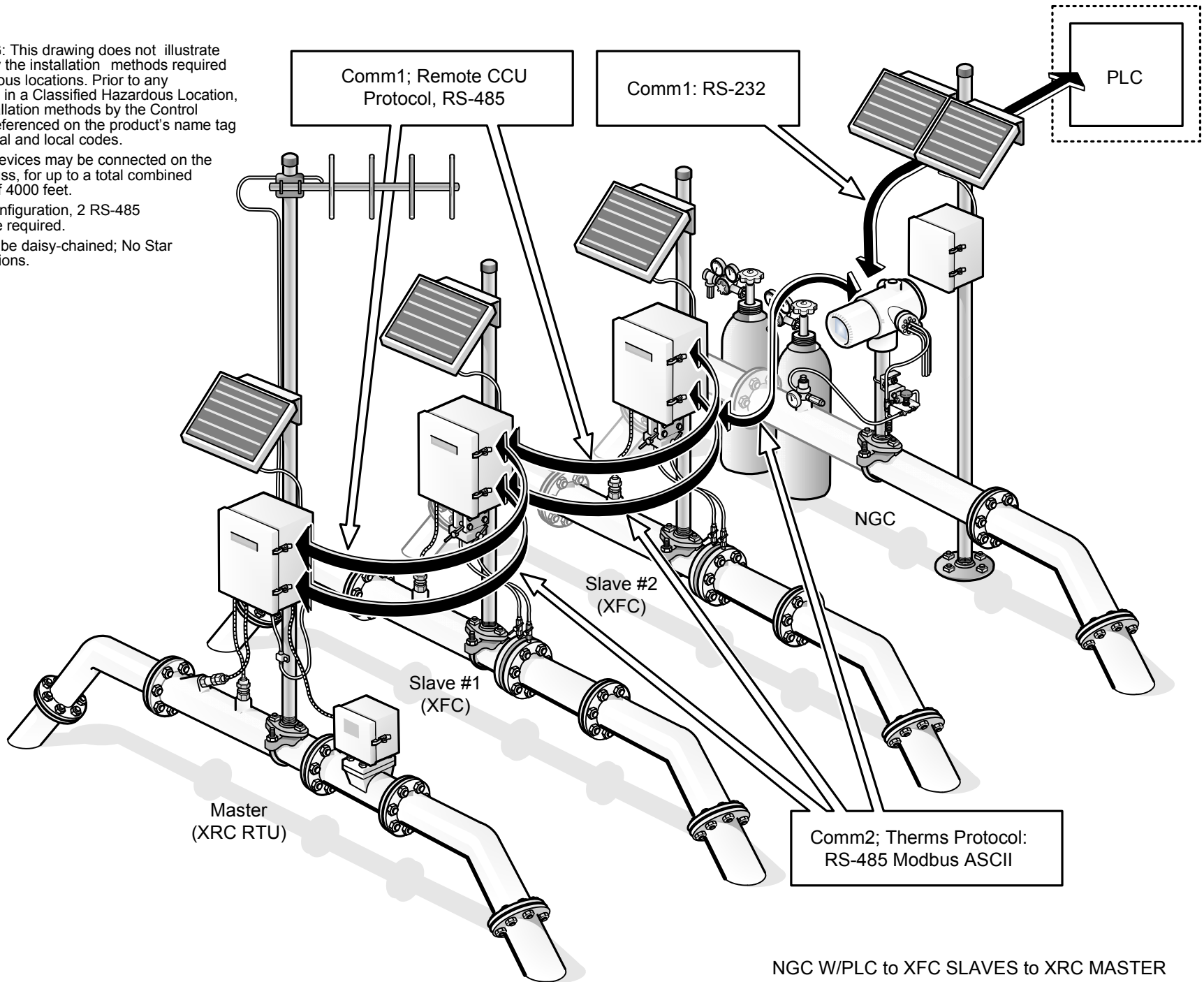


REF: N/A

	TOTALFLOW	ACTION	DOC TYPE	TITLE	DWG NO.	REV	SHEET
	Products	L19098	UD	THERMS STATION WIRING LAYOUT NGC TO XFC SLAVE TO XRC MASTER	2102929	AA	3 OF 7

NOTES:

1. **WARNING:** This drawing does not illustrate completely 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.
2. Up to 32 devices may be connected on the RS-485 buss, for up to a total combined distance of 4000 feet.  
For this configuration, 2 RS-485 busses are required.
3. Units must be daisy-chained; No Star Configurations.

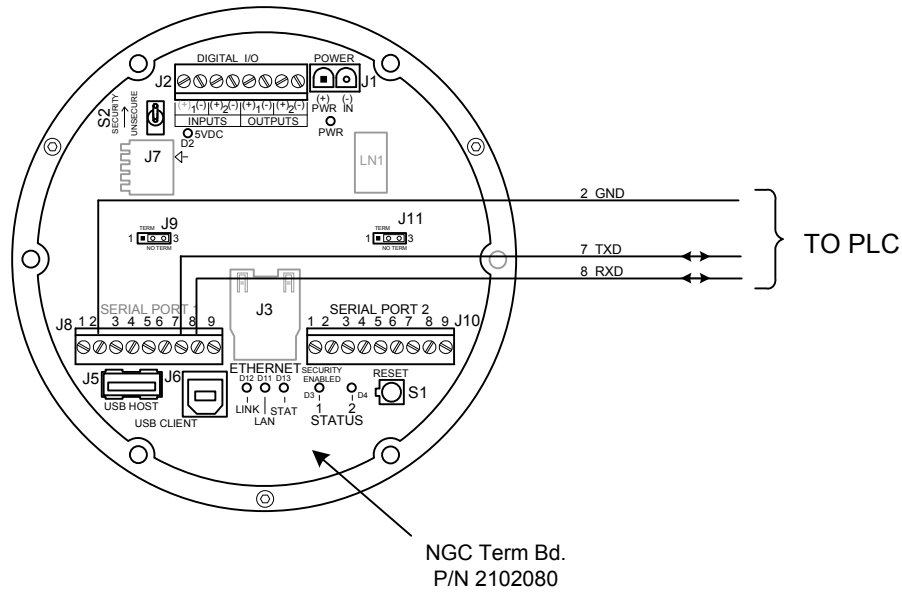


NGC W/PLC to XFC SLAVES to XRC MASTER

<b>ABB</b>	TOTALFLOW Products	ACTION	DOC TYPE	TITLE	DWG NO.	REV	SHEET
		L19098	UD	THERMS STATION WIRING LAYOUT NGC TO XFC SLAVE TO XRC MASTER	2102929	AA	1 OF 7

NOTES:

1. WARNING: This drawing does not illustrate completely 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.
2. The RS-232 connection to PLC has a suggested length of 25 feet or less.



COMM1  
RS-232 TO PLC

REF: N/A

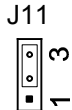
	TOTALFLOW	ACTION	DOC TYPE	TITLE	DWG NO.	REV	SHEET
	Products	L19098	UD	THERMS STATION WIRING LAYOUT NGC TO XFC SLAVE TO XRC MASTER	2102929	AA	5 OF 7

NOTES:

1. **WARNING:** This drawing does not illustrate completely 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.
2. Up to 32 devices may be connected on the RS-485 buss, for up to a total combined distance of 4000 feet.  
For this configuration, 2 RS-485 busses are required.
3. Units must be daisy-chained; No Star Configurations.

COMM1  
RS-485  
SLAVE#2 to MASTER

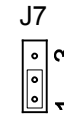
TO TERMINATE XFC BOARDS:  
Jumper 2 to 3 on J11 for first and intermediate units.  
or  
If the first unit is the only unit, jumper 1 to 2 to terminate.



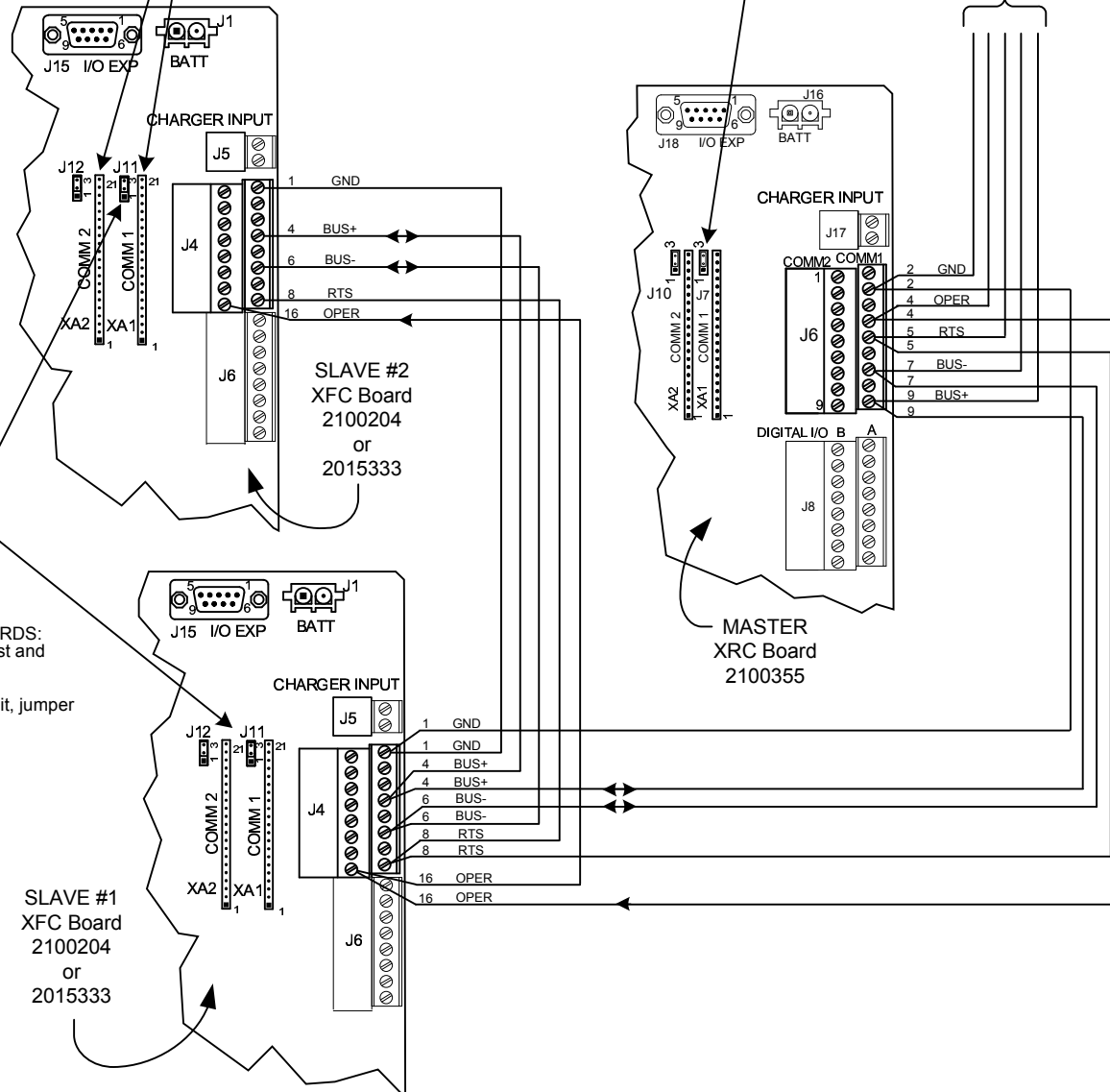
SLAVE #1  
XFC Board  
2100204  
or  
2015333

RS-485 Communications Module  
Totalflow P/N 2015192  
(Both modules are required  
On the boards for this configuration)

TO TERMINATE XRC BOARD:  
If the Master is the last unit, or is the  
only unit, jumper 1 to 2 to terminate.  
or  
Jumper 2 to 3 on J7 for first and  
intermediate units.



TO RADIO

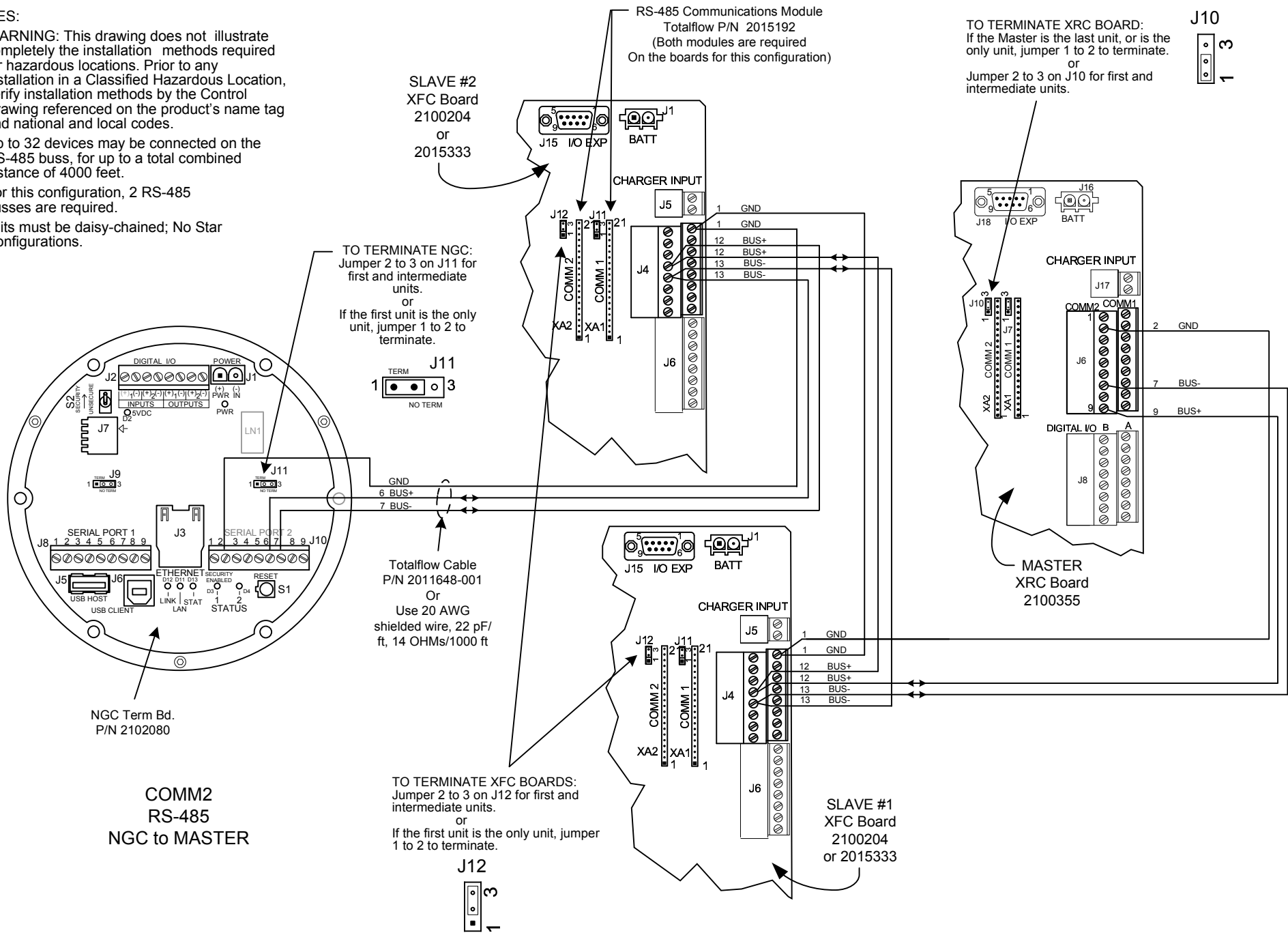


REF: N/A

	TOTALFLOW	ACTION	DOC TYPE	TITLE	DWG NO.	REV	SHEET
	Products	L19098	UD	THERMS STATION WIRING LAYOUT NGC TO XFC SLAVE TO XRC MASTER	2102929	AA	6 OF 7

**NOTES:**

- WARNING:** This drawing does not illustrate completely 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.
- Up to 32 devices may be connected on the RS-485 buss, for up to a total combined distance of 4000 feet.  
For this configuration, 2 RS-485 busses are required.
- Units must be daisy-chained; No Star Configurations.



REF: N/A

	TOTALFLOW Products	ACTION	DOC TYPE	TITLE	DWG NO.	REV	SHEET
		L19098	UD	THERMS STATION WIRING LAYOUT NGC TO XFC SLAVE TO XRC MASTER	2102929	AA	7 OF 7