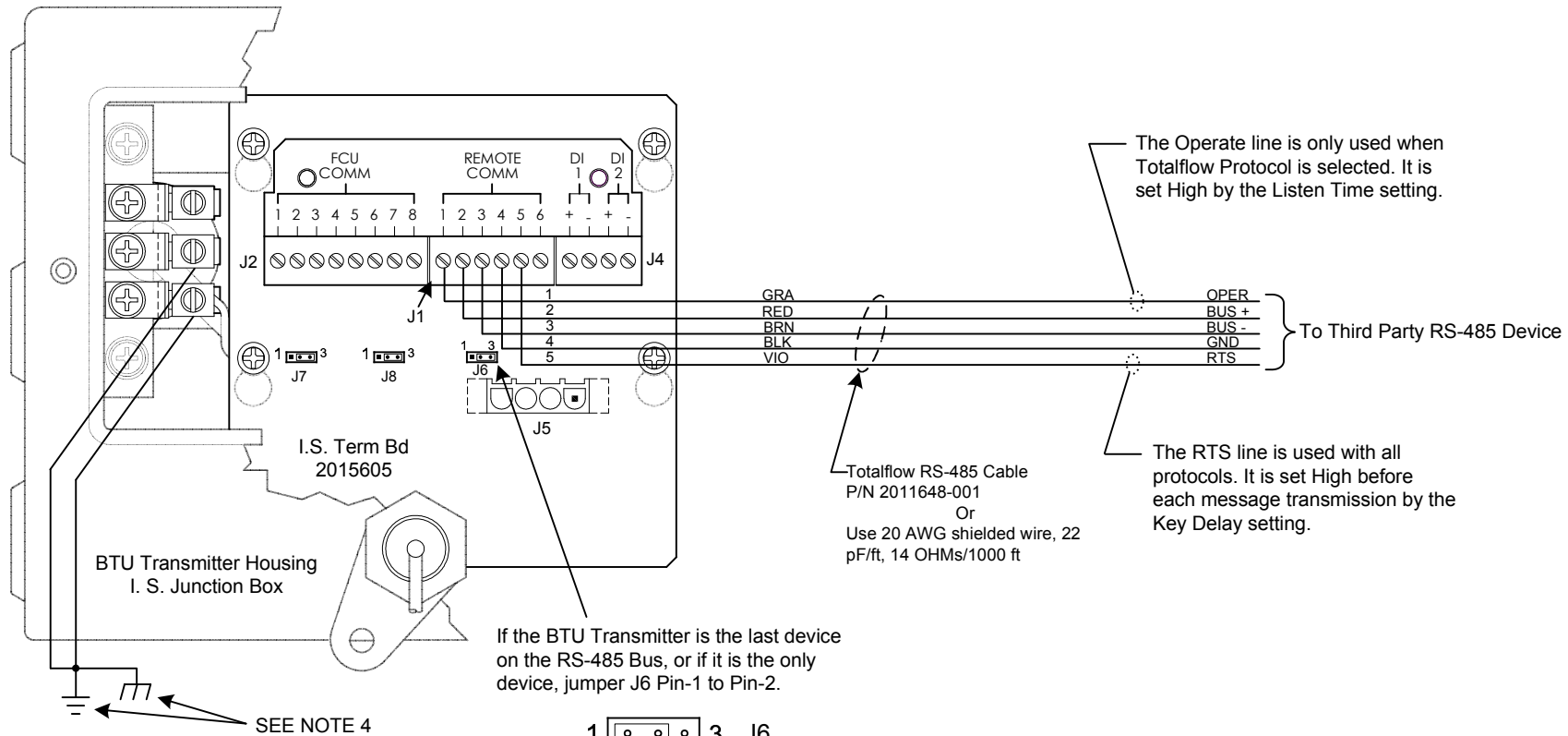NOTES:

1. Prior to any installation in a classified hazardous location, verify installation methods by the Control Drawing referenced on the product's name tag.

2. Maximum length of RS485 bus is 4000 Ft. @9600 baud using Totalflow cable P/N 2011648-001 or equivalent.

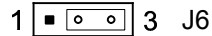3. To access termination board, remove I.S. Junction Box front cover.

FCU COMM

REMOTE COMM

DI 1   DI 2

1 2 3 4 5 6 7 8   1 2 3 4 5 6   + - + -

J2   J4

J1

J7   J8   J6

J5

1 3   1 3   1 3

I.S. Term Bd 2015605

BTU Transmitter Housing
I. S. Junction Box

SEE NOTE 4

4. Redundant Ground Wires per ISA RP 12.6
Wires Must be GRN 12 AWG.
Ground Electrode per CEC C22.1 10-700
or NEC 250-81

1   GRA
2   RED
3   BRN
4   BLK
5   VIO

OPER
BUS +
BUS -
GND
RTS

To Third Party RS-485 Device

The Operate line is only used when Totalflow Protocol is selected. It is set High by the Listen Time setting.

Totalflow RS-485 Cable
P/N 2011648-001
Or
Use 20 AWG shielded wire, 22 pF/ft, 14 OHMs/1000 ft

The RTS line is used with all protocols. It is set High before each message transmission by the Key Delay setting.

If the BTU Transmitter is the last device on the RS-485 Bus, or if it is the only device, jumper J6 Pin-1 to Pin-2.

1   ○ ○ ○   3   J6

If it is not the last device, jumper J6 Pin-2 to Pin-3 (Pin-1 is on the left, when viewing the I.S. Board).

1   ■ ○ ○   3   J6

REF: N/A