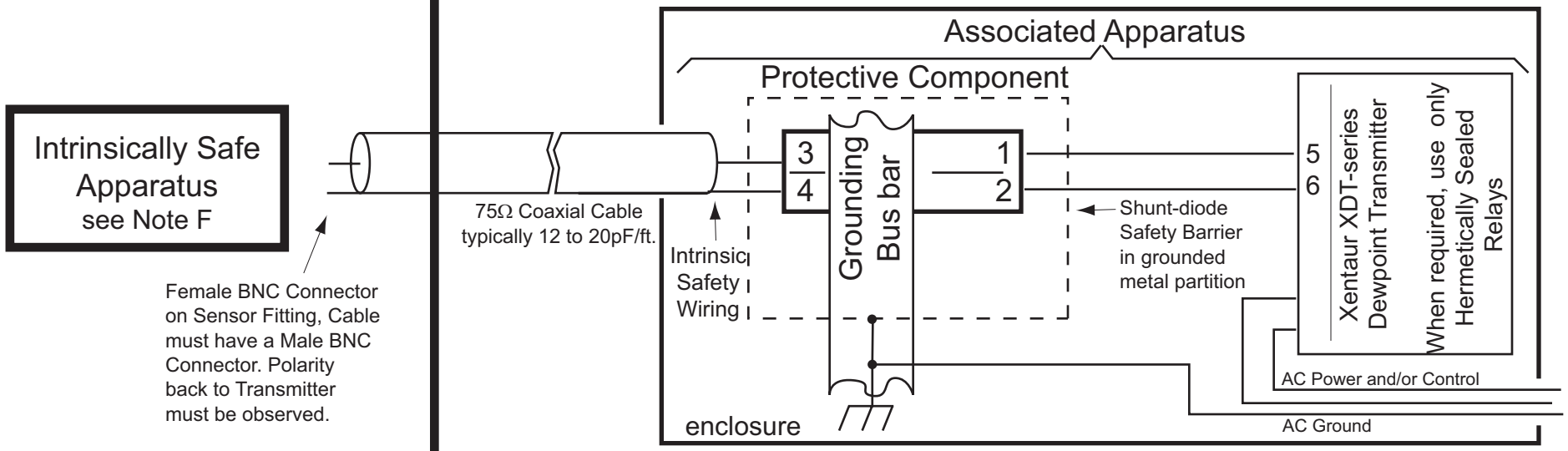
Revisions			
Rev	Description	Date	Approved
1	added 9001zen.	6/30/99	BB
2	article 501-4(b)	7/19/99	BB
3	notes	7/26/99	BB
4	removed sensor	3/9/01	BB
5	changed Isc	5/31/01	BB

HAZARDOUS AREA

IS Class I, Division 1, Group A,B,C and D;
Class II, Division 1, Group E,F and G, T6 at 60°C and
EEx ia II C T6

HAZARDOUS AREA

IS Class I, Division 2, Group A,B,C and D;
Class II, Division 2, Group F and G.T6 at 50°C and
EEx nC II C T5



Notes:

A. The Model XDT-DIV1/2 is suitable for use in Class I Division 2 Groups A,B,C & D; Class II Division 2 Group F and G, Hazardous Locations and provides Intrinsically Safe outputs for use in Class I Division 1 Groups A,B,C & D; Class II Division 1 Group E,F and G Hazardous Locations.

B. The ground of the Model XDT-DIV1/2 must be connected to earth ground of the ac feeder supply circuit. The resistance between the XDT-DIV1/2 ground lug and the earth ground must be less than 1 Ohm.

C. The intrinsically safe output wiring must be installed in accordance with Article 504 of the National Electrical Code® (ANSI/NFPA 70).

D. The Entity Parameters for the XDT-DIV1/2 are as follows: U_o,V_{oc} =10.03Vdc I_o,I_{sc}=592mAdc C_o,C_a=3μF L_o,L_a =0.1mH

E. I.S. outputs are from a dual channel shunt zener diode barrier used channel to channel.

F. Intrinsically safe apparatus must be Simple Apparatus or be third party approved such that:
$U_o,V_{oc} \leq U_i,V_{max}$ $I_o,I_{sc} \leq I_i,I_{max}$ $C_o,C_a \geq C_i + C_{cable}$ $L_o,L_a \geq L_i + L_{cable}$

G. For C_{cable} and L_{cable}, if the capacitance per foot or the inductance per foot is not known, then the following values shall be used:
C_{cable}=60pF/foot and L_{cable}=0.2μH

H. The Model XDT-DIV1/2 must not be powered by, or connected to, equipment that uses or generates more than 250VRMS with respect to earth ground.

TOLERANCES:
(unless otherwise stated)
Decimal .X = ± .030
.XX = ± .010
.XXX = ± .005
Angular ± 1 deg.

Do Not Scale Drawing.

XENTAUR Corporation
3661 HORSEBLOCK RD. MEDFORD, NY 11763

Control Drawing for Approved Installation in Hazardous (Classified) Locations, of Xentaur XDT-DIV1/2 Dewpoint Transmitter with protective component & optional Hermetically Sealed Relays, connected to Intrinsically Safe Apparatus

Material & Finish: (see Notes)	SIZE A	Dwg. No. XDT.00.D.6003	Rev 5
Drawn: B.B.	Scale: N/A	Date: 11/18/98	Sheet 1 of 1