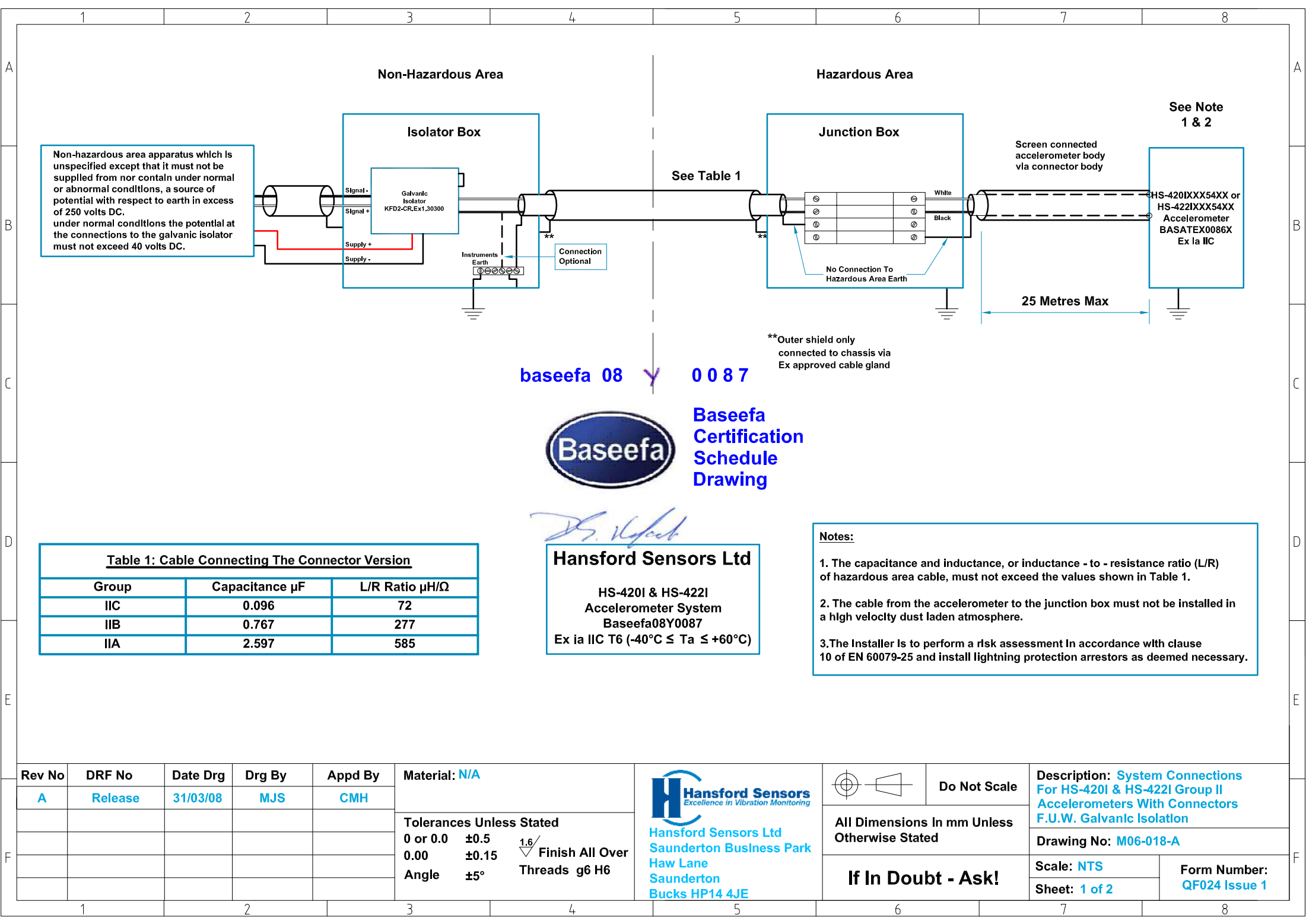
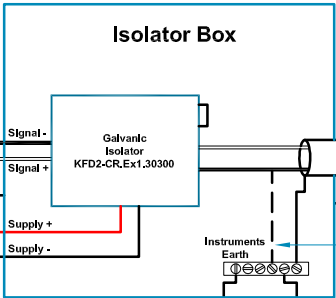
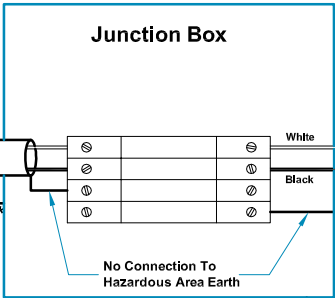




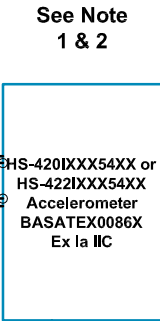
Non-hazardous area apparatus which is unspecified except that it must not be supplied from nor contain under normal or abnormal conditions, a source of potential with respect to earth in excess of 250 volts DC. under normal conditions the potential at the connections to the galvanic isolator must not exceed 40 volts DC.



See Table 1



Screen connected accelerometer body via connector body



25 Metres Max

**Outer shield only connected to chassis via Ex approved cable gland

baseefa 08 Y 0087



Baseefa
Certification
Schedule
Drawing

Handwritten signature

Hansford Sensors Ltd

HS-420I & HS-422I
Accelerometer System
Baseefa08Y0087
Ex ia IIC T6 (-40°C ≤ Ta ≤ +60°C)

Table 1: Cable Connecting The Connector Version

Group	Capacitance µF	L/R Ratio µH/Ω
IIC	0.096	72
IIB	0.767	277
IIA	2.597	585

- Notes:
- 1. The capacitance and inductance, or inductance - to - resistance ratio (L/R) of hazardous area cable, must not exceed the values shown in Table 1.
 - 2. The cable from the accelerometer to the junction box must not be installed in a high velocity dust laden atmosphere.
 - 3. The Installer is to perform a risk assessment in accordance with clause 10 of EN 60079-25 and install lightning protection arrestors as deemed necessary.

					Material: N/A	 Hansford Sensors <i>Excellence in Vibration Monitoring</i> Hansford Sensors Ltd Saunderton Business Park Haw Lane Saunderton Bucks HP14 4JE	 Do Not Scale	Description: System Connections For HS-420I & HS-422I Group II Accelerometers With Connectors F.U.W. Galvanic Isolation		
A	Release	31/03/08	MJS	CMH	Tolerances Unless Stated 0 or 0.0 ±0.5 1.6 ▽ Finish All Over 0.00 ±0.15 Threads g6 H6 Angle ±5°		All Dimensions In mm Unless Otherwise Stated	Drawing No: M06-018-A		
						If In Doubt - Ask!	Scale: NTS		Form Number: QF024 Issue 1	
							Sheet: 1 of 2			