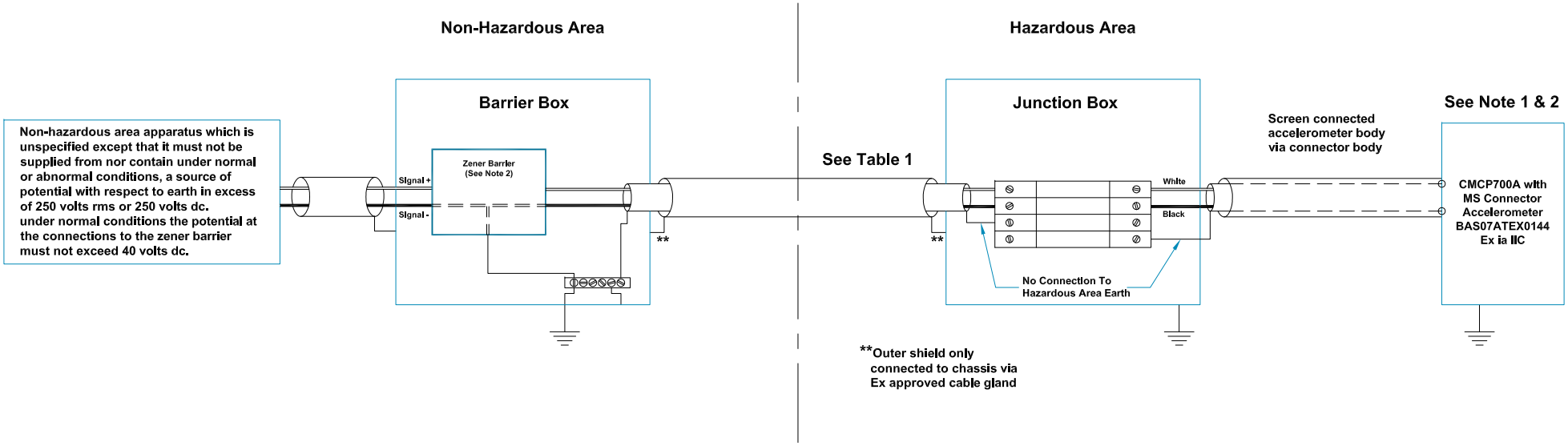

Table 1: Cable Parameters For Additional Cable Lengths		
Accelerometer With Integral Cable Length ≤ 10m		
Group	**Capacitance µF**	**L/R Ratio µH/Ω**
IIC	0.073	56
IIB	0.239	168
IIA	0.654	448
Accelerometer With Integral Cable Length ≤ 50m		
Group	**Capacitance µF**	**L/R Ratio µH/Ω**
IIC	0.038	56
IIB	0.204	168
IIA	0.619	448
Accelerometer With Integral Cable Length ≤ 92m		
Group	**Capacitance µF**	**L/R Ratio µH/Ω**
IIC	0.000	56
IIB	0.166	168
IIA	0.581	448

STI Vibration Monitoring Inc

CMCP700A wtih MS Connector Accelerometer System

Notes:

1. The capacitance and inductance, to resistance ratio (L/R) of hazadous 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. Any single zener diode saftey barrier certified by an approved body to [Ex ia] IIC having the following output parameters: Uo = 28V dc, Io = 93mA dc, Po = 0.65W. e.g. MTL7728 to BAS01ATEX7217 or Pepperl + Fuchs Z728 to BAS01ATEX7005.

4. The installer is to perform a risk assesment in accordance with clause 10 of EN 60079-25 and install lightning protection arrestors as deemed necessary.

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REV.	DATE	DRAWN	DESCRIPTION
A			

CUSTOMER
LOCATION
ORDER NO.
SR. NO

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE INCHES.

TOLERANCES:
DECIMALS
.XX ± 0.01
.XXX ± 0.005
.XXXX ± 0.0005
FRACTIONS ± 1/64
ANGLES ± 1.0

DRAWN	MDH	DATE 26AUG15
CHECK	MDH	26AUG15
ENG.		
MFG.		
APPR.	MDH	26AUG15

STI Vibration Monitoring
League City, Texas USA
www.stiweb.com

System Connections
For CMCP700A
Accelerometers With Connector
F.U.W. Zener Barrier

SIZE A | DWG. NO. CMCP700A(Connector) | REV A

Scale: None | Sheet 2 of 2