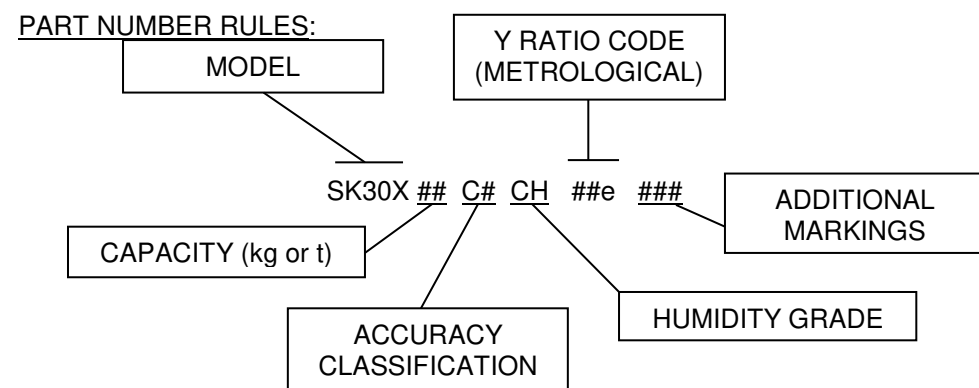


GENERAL NOTES:

- INSTALLATION SHOULD BE IN ACCORDANCE WITH:
 - ANSI/ISA RP12.06.01, "INSTALLATION OF INTRINSICALLY SAFE SYSTEMS FOR HAZARDOUS (CLASSIFIED) LOCATIONS" FOR GUIDANCE ON THE INSTALLATION OF INTRINSICALLY SAFE APPARATUS AND SYSTEMS,
 - THE NATIONAL ELECTRICAL CODE ANSI/NFPA 70.
- SHEETS 2 AND 3 REPRESENT DIFFERENT ENTITIES FACTORY MUTUAL APPROVED WITH BARRIERS.
- BARRIER MANUFACTURERS INSTALLATION DRAWINGS MUST BE FOLLOWED WHEN INSTALLING THESE EQUIPMENTS.
- IN CASE OF ALUMINIUM LOAD CELL THE ENCLOSURE CONTAINS ALUMINIUM AND IS CONSIDERED A POTENTIAL RISK OF IGNITION BY IMPACT OR FRICTION. CARE MUST BE TAKEN DURING INSTALLATION TO PREVENT IMPACT OR FRICTION.

1 THE FOLLOWING LOAD CELLS MODELS ARE FACTORY MUTUAL RESEARCH APPROVED:

MODELS: CA40X, CB50X, R10X, F60X, SD25X, SK30X, SB30X, AK, AB, AP, AH AG AND AQ AVX, AVS, AXH, ZA30X, R30X, RH10X



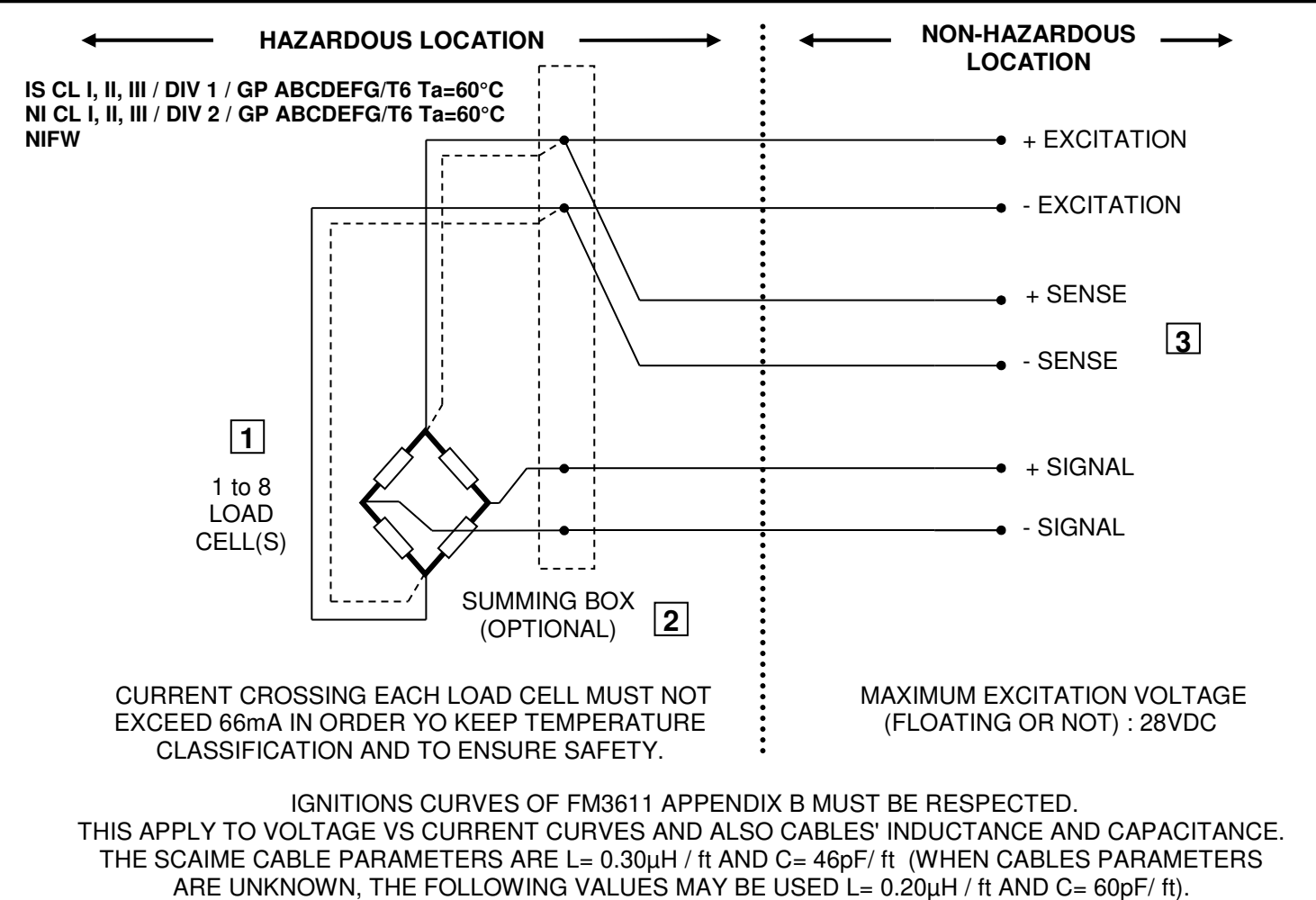
LOAD CELLS CAN BE CONNECTED IN PARALLEL AT JUNCTION BOX. TO DETERMINE VOLTAGE DROP OF EXCITATION VOLTAGE THROUGH BARRIERS, SEE BARRIER MANUFACTURER FOR DETAILS OF BARRIER CHARACTERISTICS.

- 2** SCAIME MANUFACTURES SUMMING BOXES (ALCJB1, ALCJB3 AND ALCJB6)
- SCAIME CAN ALSO PROVIDE INTERCONNECTION CABLE WITH SPECIFIED PARAMETERS REQUIRED FOR SAFETY CALCULATIONS :
- CABLE INDUCTANCE L= 0.30µH / ft AND CAPACITANCE C= 46pF/ ft

- 3** ELECTRICAL EQUIPMENT CONNECTED MUST NOT USE OR GENERATE MORE THAN 250V RMS OR D.C.

CAUTION :
NO CHANGE ARE TO BE MADE TO THIS DRAWING WITHOUT WRITTEN APPROVAL OF FACTORY MUTUAL RESEARCH

NOTES: UNLESS OTHERWISE SPECIFIED



MANUFACTURERS (BARRIERS) :

R. STAHL, INC.
150-L NEW BOSTON STREET
WOBURG, MA 01801
U.S. A.
PH. 800-782-4357
FAX 617-933-7896
www.rstahl.com

MTL O. S. T., INC.
2450 South Shore Blvd, Suite 210
LEAGUE CITY, TX 77573
U.S. A.
PH. 281-334-9111
FAX 281-334-4324
www.mtlmost.com

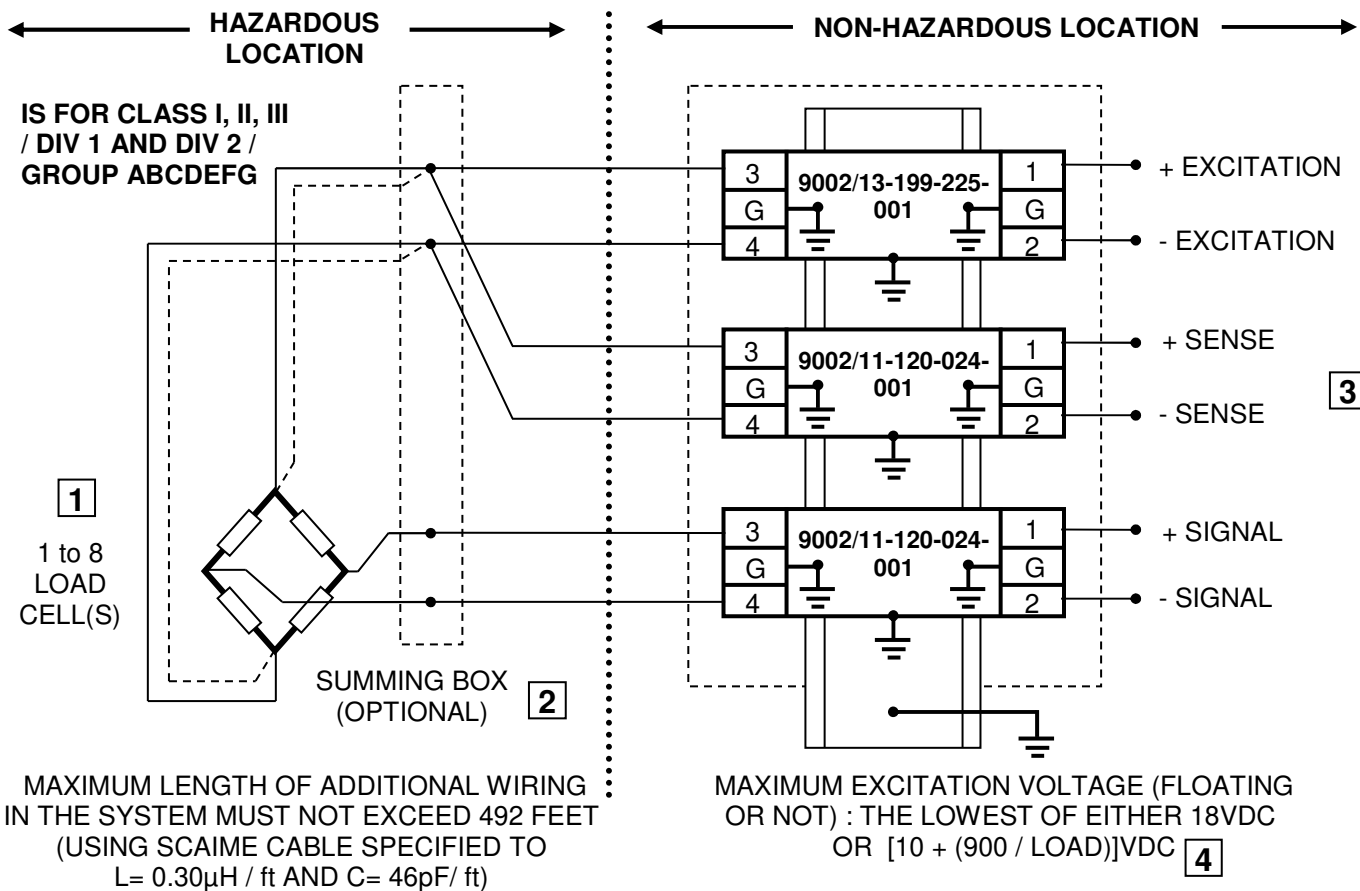
TEST AGENCY :

FACTORY MUTUAL RESEARCH
1151 BOSTON PROVIDENCE TURNPIKE
NORWOOD, MA 02062
U.S. A.
PH. 781-762-4300
FAX 781-762-9375
www.fmglobal.com

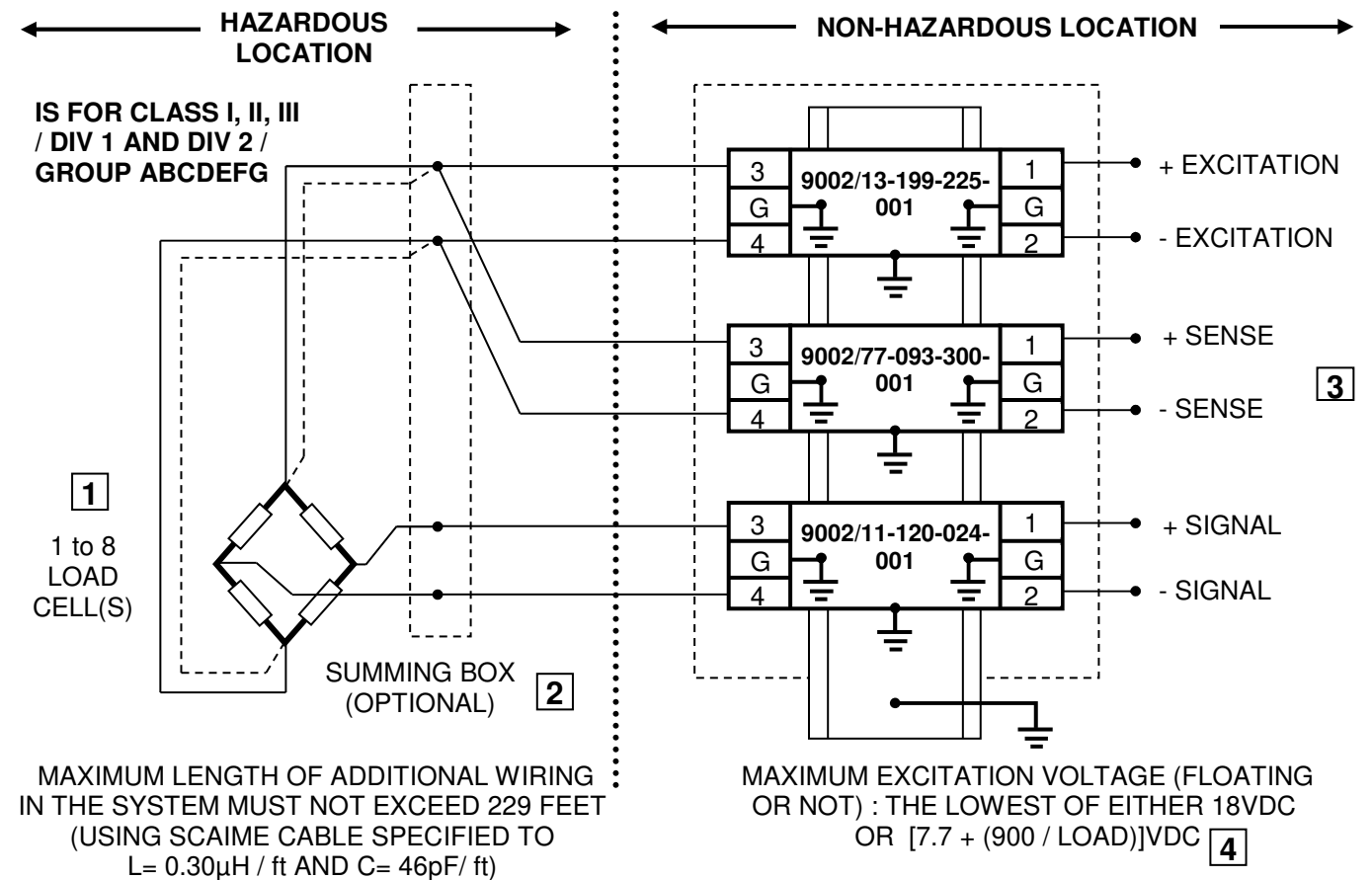
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Rev	Date	By	Description	Check. by

R001A04-B	WIRING DIAGRAM - FACTORY MUTUAL APPROVED INSTALLATIONS FOR HAZARDOUS LOCATIONS (sheet 1/3)		<p>BP 501 - 74105 ANNEMASSE - FRANCE Tél. 04 50 87 78 64 - Fax 04 50 87 78 46</p>
	On : 05-12-06	By : B. DESRUMAUX	

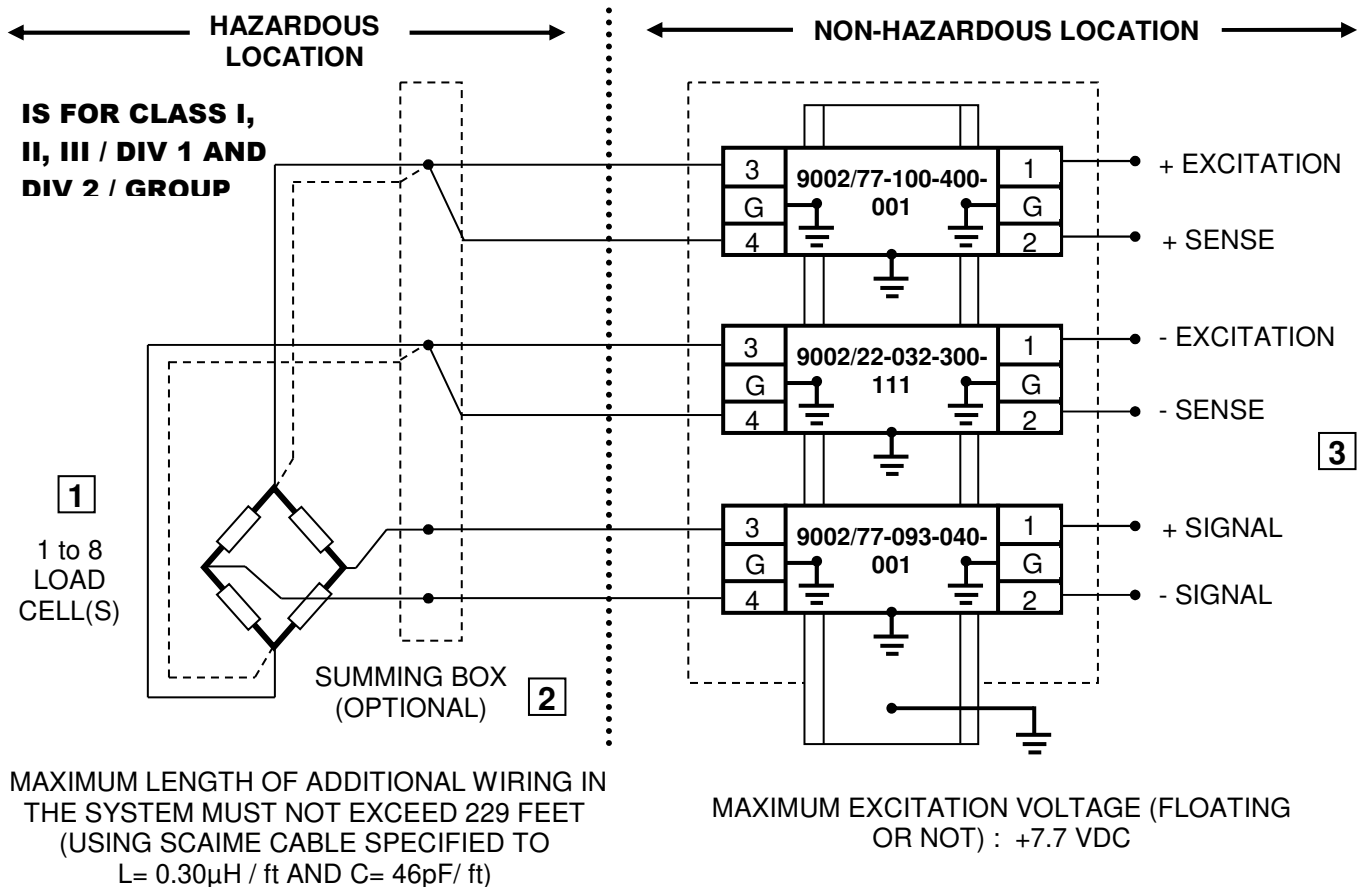
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**R. STAHL BARRIERS
SCAIME SET B15**



**R. STAHL BARRIERS
SCAIME SET B16**



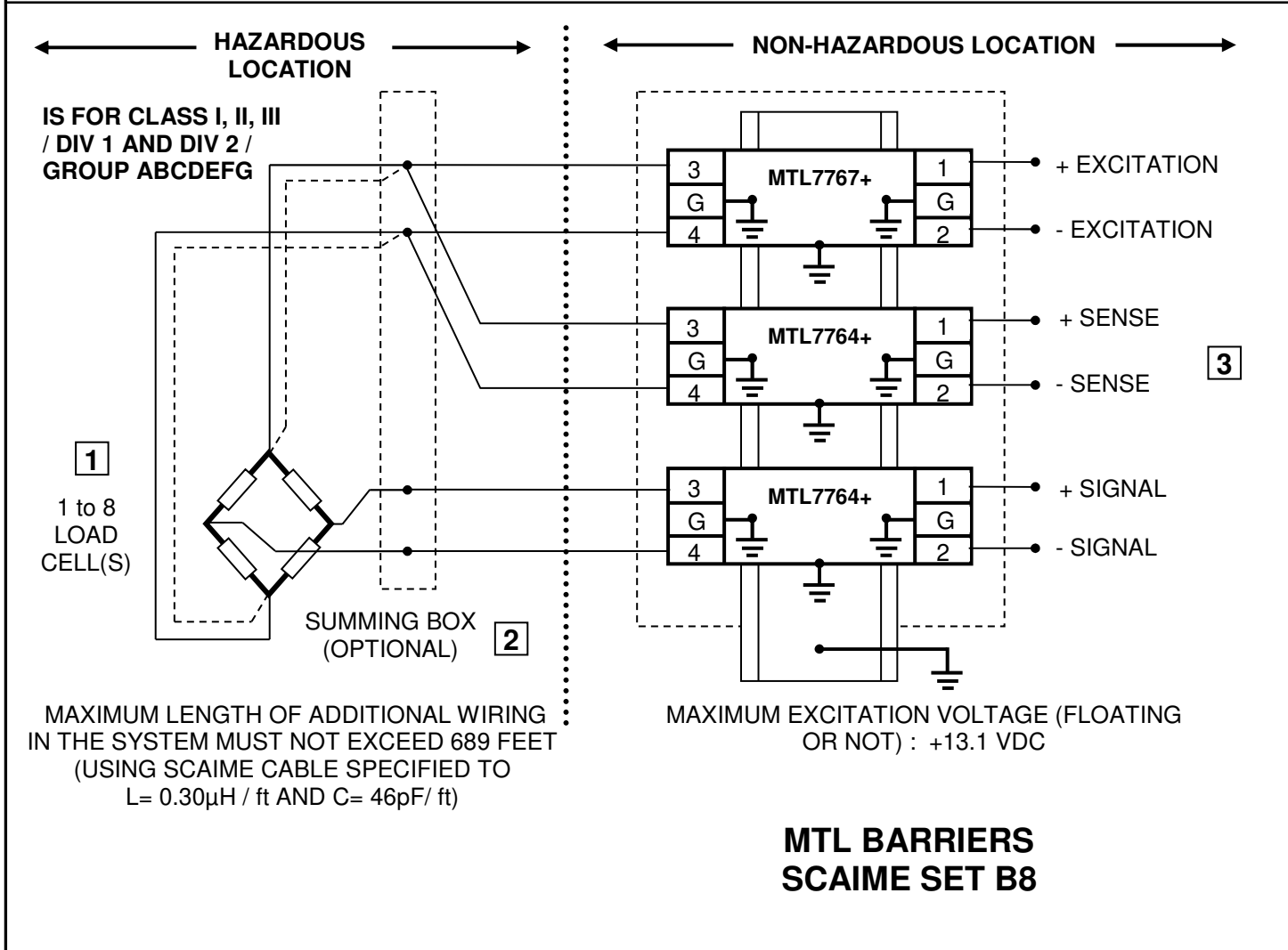
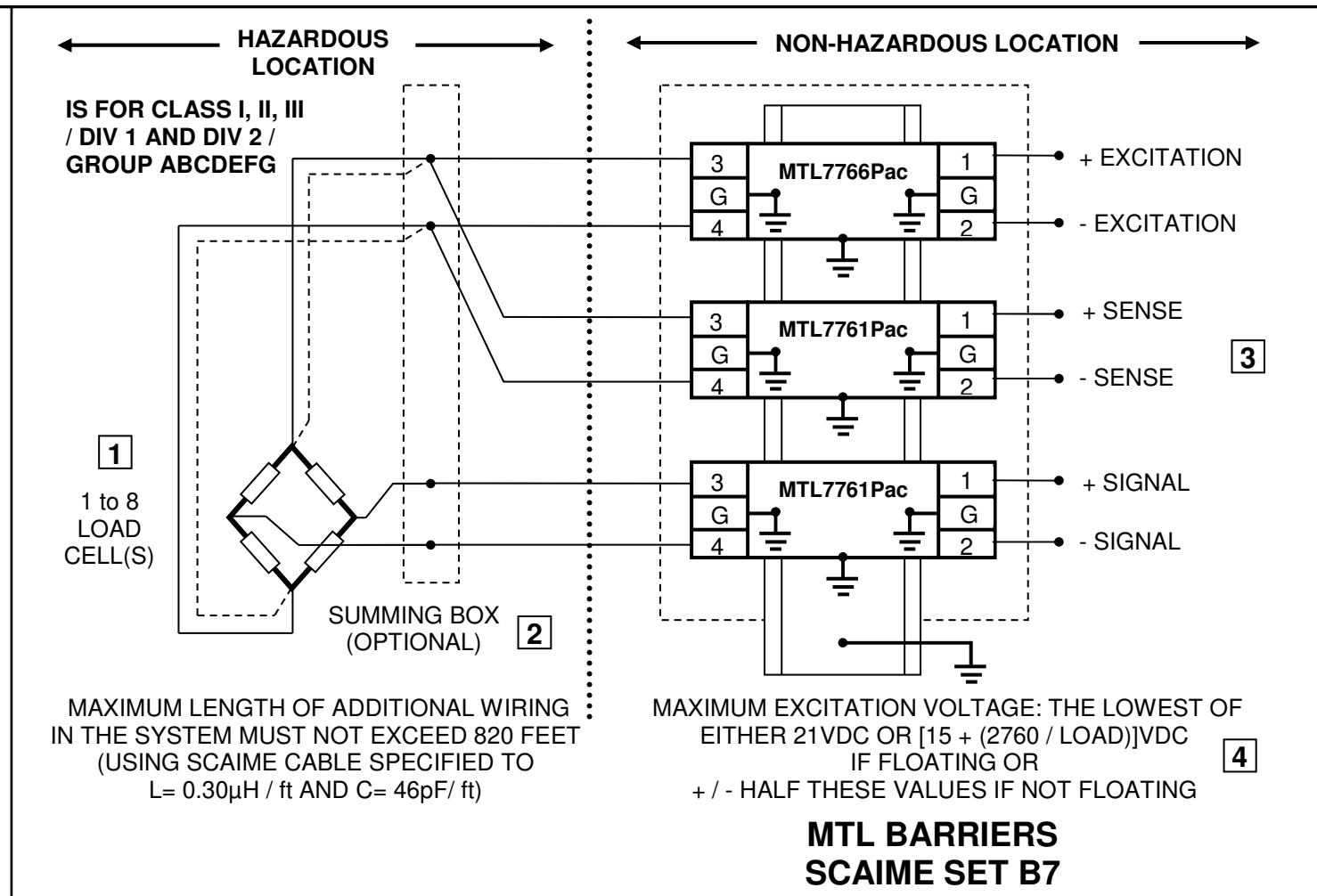
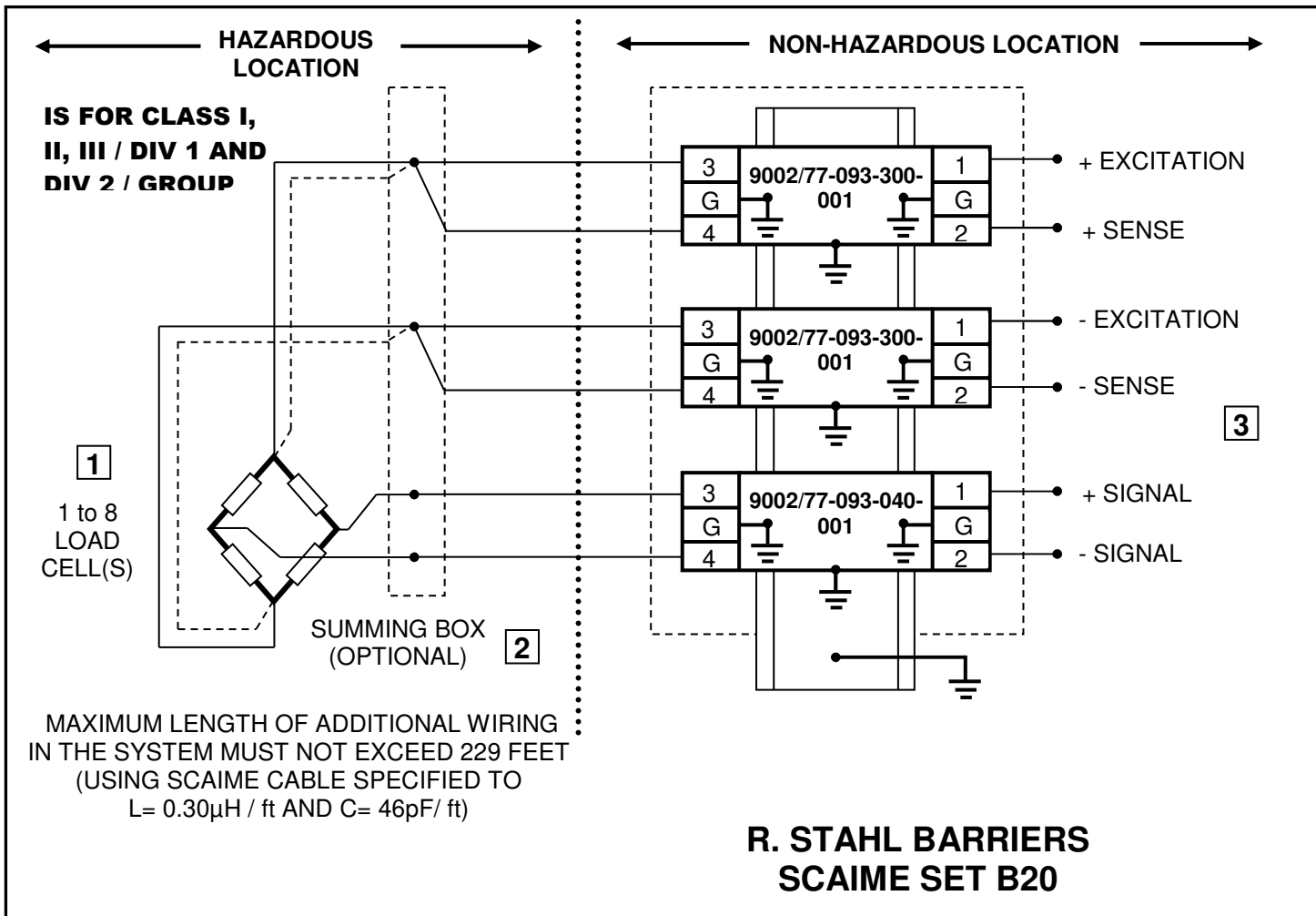
**R. STAHL BARRIERS
SCAIME SET B19**

- 1 USE EXCLUSIVELY SCAIME LOAD CELLS MODELS FACTORY MUTUAL APPROVED. LOAD CELLS CAN BE CONNECTED IN PARALLEL AT JUNCTION BOX. TO DETERMINE VOLTAGE DROP OF EXCITATION VOLTAGE THROUGH BARRIERS, SEE BARRIER MANUFACTURER FOR DETAILS OF BARRIER CHARACTERISTICS.
- 2 SCAIME MANUFACTURES SUMMING BOXES (ALCJB1, ALCJB3 AND ALCJB6).
- 3 ELECTRICAL EQUIPMENT CONNECTED TO BARRIERS MUST NOT USE OR GENERATE MORE THAN 250V RMS OR D.C.
- 4 LOAD IS CALCULATED BY DIVISION OF ONE LOAD CELL INPUT RESISTANCE BY THE NUMBER OF LOAD CELLS.

NOTES:

1. BARRIER MANUFACTURERS INSTALLATION DRAWINGS MUST BE FOLLOWED WHEN INSTALLING THIS EQUIPMENT
2. INSTALLATION SHOULD BE IN ACCORDANCE WITH ANSI/ISA RP12.06.01 AND THE NATIONAL ELECTRICAL CODE ANSI/NFPA 70.

Rev	Date	By	Description	Check. by
WIRING DIAGRAM - FACTORY MUTUAL APPROVED INSTALLATIONS FOR HAZARDOUS LOCATIONS (sheet 2/3)				
SCAIME				
<small>BP 501 - 74105 ANNEMASSE - FRANCE Tél. 04 50 87 78 64 - Fax 04 50 87 78 46</small>				
On : 05-12-06		By : B. DESRUMAUX		Date : Checked by :
011 002 D				



- 1 USE EXCLUSIVELY SCAIME LOAD CELLS MODELS FACTORY MUTUAL APPROVED. LOAD CELLS CAN BE CONNECTED IN PARALLEL AT JUNCTION BOX. TO DETERMINE VOLTAGE DROP OF EXCITATION VOLTAGE THROUGH BARRIERS, SEE BARRIER MANUFACTURER FOR DETAILS OF BARRIER CHARACTERISTICS.
- 2 SCAIME MANUFACTURES SUMMING BOXES (ALCJB1, ALCJB3 AND ALCJB6).
- 3 ELECTRICAL EQUIPMENT CONNECTED TO BARRIERS MUST NOT USE OR GENERATE MORE THAN 250V RMS OR D.C.
- 4 LOAD IS CALCULATED BY DIVISION OF ONE LOAD CELL INPUT RESISTANCE BY THE NUMBER OF LOAD CELLS.

NOTES:

1. BARRIER MANUFACTURERS INSTALLATION DRAWINGS MUST BE FOLLOWED WHEN INSTALLING THIS EQUIPMENT
2. INSTALLATION SHOULD BE IN ACCORDANCE WITH ANSI/ISA RP12.06.01 AND THE NATIONAL ELECTRICAL CODE ANSI/NFPA 70.

Rev	Date	By	Description	Check. by
WIRING DIAGRAM - FACTORY MUTUAL APPROVED INSTALLATIONS FOR HAZARDOUS LOCATIONS (sheet 3/3)				
SCAIME				
BP 501 - 74105 ANNEMASSE - FRANCE Tél. 04 50 87 78 64 - Fax 04 50 87 78 46				
On : 05-12-06		By : B. DESRUMAUX		Date : Checked by :
				011002-D