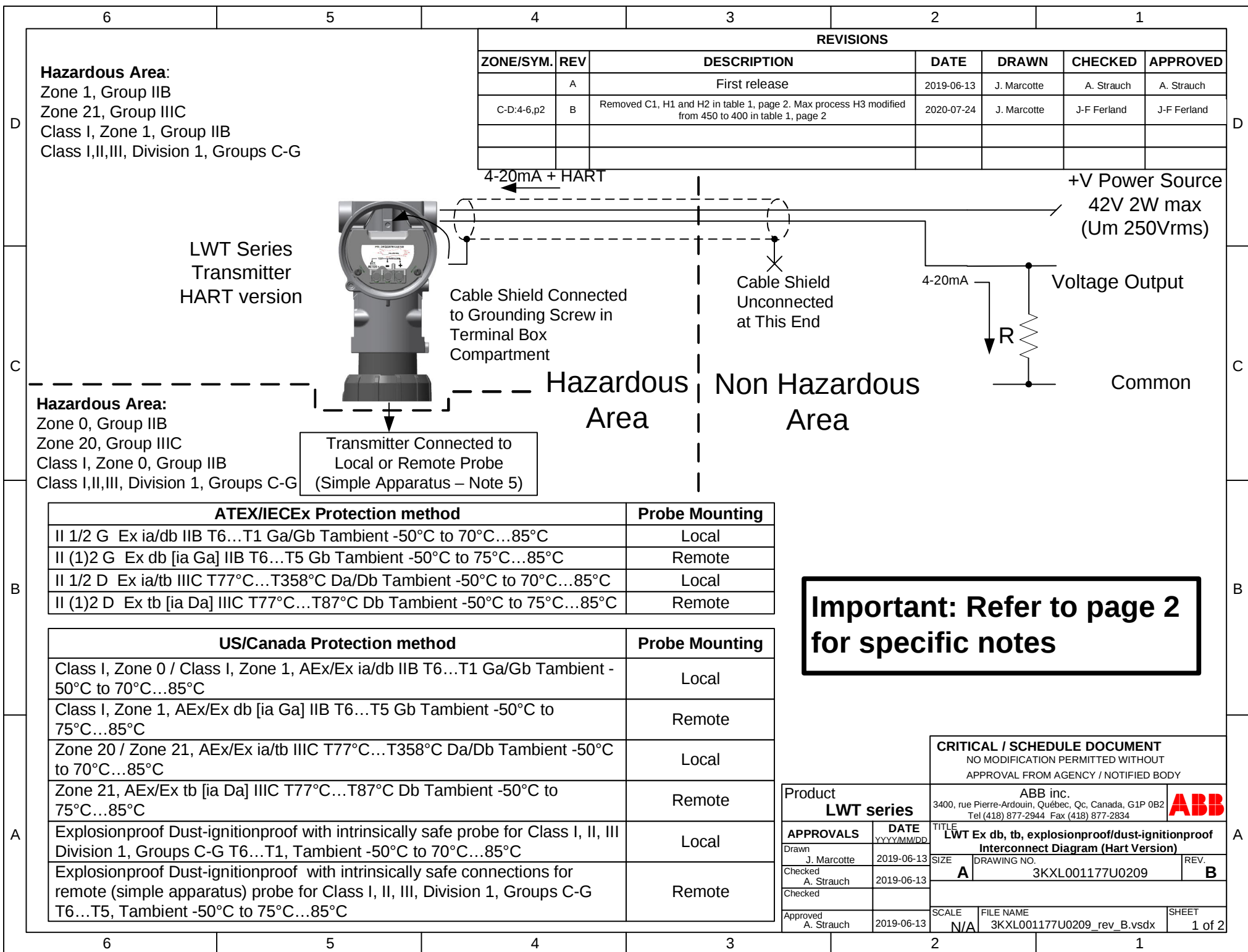




ATEX/IECEx Protection method	Probe Mounting
II 1/2 G Ex ia/db IIB T6...T1 Ga/Gb Tambient -50°C to 70°C...85°C	Local
II (1)2 G Ex db [ia Ga] IIB T6...T5 Gb Tambient -50°C to 75°C...85°C	Remote
II 1/2 D Ex ia/tb IIIC T77°C...T358°C Da/Db Tambient -50°C to 70°C...85°C	Local
II (1)2 D Ex tb [ia Da] IIIC T77°C...T87°C Db Tambient -50°C to 75°C...85°C	Remote

US/Canada Protection method	Probe Mounting
Class I, Zone 0 / Class I, Zone 1, AEx/Ex ia/db IIB T6...T1 Ga/Gb Tambient -50°C to 70°C...85°C	Local
Class I, Zone 1, AEx/Ex db [ia Ga] IIB T6...T5 Gb Tambient -50°C to 75°C...85°C	Remote
Zone 20 / Zone 21, AEx/Ex ia/tb IIIC T77°C...T358°C Da/Db Tambient -50°C to 70°C...85°C	Local
Zone 21, AEx/Ex tb [ia Da] IIIC T77°C...T87°C Db Tambient -50°C to 75°C...85°C	Remote
Explosionproof Dust-ignitionproof with intrinsically safe probe for Class I, II, III Division 1, Groups C-G T6...T1, Tambient -50°C to 70°C...85°C	Local
Explosionproof Dust-ignitionproof with intrinsically safe connections for remote (simple apparatus) probe for Class I, II, III, Division 1, Groups C-G T6...T5, Tambient -50°C to 75°C...85°C	Remote

Important: Refer to page 2 for specific notes

Product LWT series		CRITICAL / SCHEDULE DOCUMENT NO MODIFICATION PERMITTED WITHOUT APPROVAL FROM AGENCY / NOTIFIED BODY	
APPROVALS Drawn J. Marcotte Checked A. Strauch Approved A. Strauch		ABB inc. 3400, rue Pierre-Arduin, Québec, Qc, Canada, G1P 0B2 Tel (418) 877-2944 Fax (418) 877-2834 ABB	
DATE 2019-06-13 2019-06-13 2019-06-13		TITLE LWT Ex db, tb, explosionproof/dust-ignitionproof Interconnect Diagram (Hart Version) SIZE A	
FILE NAME 3KXL001177U0209_rev_B.vsd		SHEET 1 of 2	

**Table 1: T-class for Ex db, Ex tb, Explosionproof, Dust-Ignitionproof
Local Probe Configuration**

Coupler Type	Max T _{process} (°C)	Max Tambiant (°C)	Transmitter Temperature Class (Note 6)	
			Ex db	Ex tb (T___°C)
			Explosion proof, Class I, Div 1	
			Dust-ignitionproof, Class II, III, Div 1	
S	80	75	T6	77
S	95	85	T5	89
S	130	85	T4	105
S	204	85	T3	138
H3	80	75	T6	79
H3	95	85	T5	93
H3	130	85	T4	119
H3	230	85	T3	195
H3	340	75	T2	276
H3	400	70	T1	358



General Notes:

1. WARNING: SUBSTITUTION OF COMPONENTS MAY IMPAIR SUITABILITY FOR USE IN HAZARDOUS LOCATIONS.
AVERTISSEMENT: LA SUBSTITUTION DE COMPOSANTS PEUT POUR LES EMPLACEMENTS DANGEREUX RENDRE CE MATERIEL INACCEPTABLE.
2. CONTROL EQUIPMENT CONNECTED TO ASSOCIATED APPARATUS SHALL NOT USE OF GENERATE IN EXCESS OF THE SPECIFIED UM OF THE ASSOCIATED APPARATUS (TYPICALLY 250 V RMS).
3. INSTALL PER EN 60079-14, IEC 60079-14, ANSI/NFPA 70 (US NATIONAL ELECTRICAL CODE), CSA C22.1 (CANADIAN ELECTRICAL CODE)(AS APPLICABLE) AND APPLICABLE INSTALLATION CODES.
4. TO ENSURE INTRINSIC SAFETY, USE ONLY ABB-SUPPLIED CABLES (60 M, MAXIMUM) TO INTERCONNECT TRANSMITTER AND REMOTE PROBE
5. PROBE IS SIMPLE APPARATUS IN ACCORDANCE WITH APPLICABLE INTRINSIC SAFETY STANDARDS AND INSTALLATION CODES. SEPARATE CERTIFICATION MARKING OF REMOTE PROBE IS NOT REQUIRED.
6. PROBE IS NOT SUBJECT TO SELF-HEATING AND WILL ASSUME THE TEMPERATURE OF ITS ENVIRONMENT.

**Table 2: T-class for Ex db, Ex tb, Explosionproof, Dust-Ignitionproof
Remote Probe Configuration**

Coupler Type	Max T _{process} (°C)	Max Tambiant (°C)	Transmitter Temperature Class (Note 6)	
			Ex db	Ex tb (T___°C)
			Explosion proof, Class I, Div 1	
			Dust-ignitionproof, Class II, III, Div 1	
All Versions	N/A*	75	T6	77
All Versions	N/A*	85	T5	89
All Versions	N/A*	85	T4	105

*Equipment is independant from the Process temperature and instrument coupler in the Remote version

CRITICAL / SCHEDULE DOCUMENT		
NO MODIFICATION PERMITTED WITHOUT APPROVAL FROM AGENCY / NOTIFIED BODY		
ABB inc. 3400, rue Pierre-Arduin, Québec, Qc, Canada, G1P 0B2 Tel (418) 877-2944 Fax (418) 877-2834		ABB
TITLE LWT Ex db, tb, explosionproof/dust-ignitionproof Interconnect Diagram (Notes)		
SIZE	DRAWING NO.	REV.
A	3KXL001177U0209	B
SCALE	FILE NAME	SHEET
N/A	3KXL001177U0209_rev_B.vsd	2 of 2