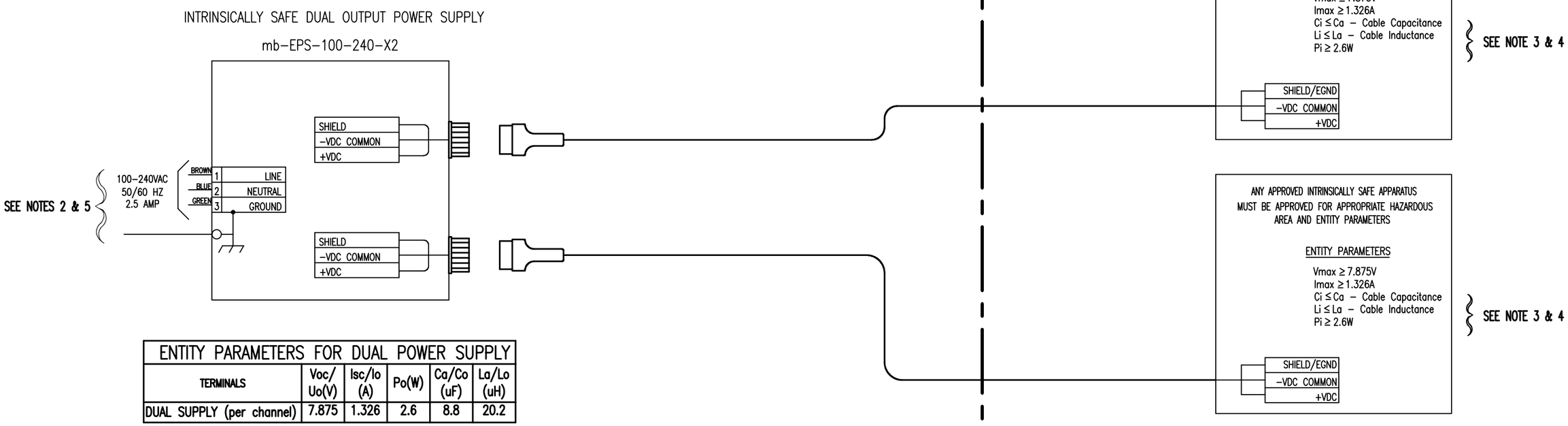
REVISION			
REV	REFERENCE	INIT	DATE
A	ENG. RELEASE	BJB	11/15/18

HAZARDOUS AREA

CLASS I, II, III, DIVISION 1, GROUPS A,B,C,D,E,F,G
CLASS 1, ZONE 1, GROUP IIC
ZONE 21, GROUP IIIC
NOT INCLUDING ACIDIC ATMOSPHERES

HAZARDOUS AREA

CLASS I, II, III DIVISION 1, GROUPS A,B,C,D,E,F,G
CLASS I, ZONE 0, GROUP IIC
ZONE 20, GROUP IIIC



ENTITY PARAMETERS FOR DUAL POWER SUPPLY					
TERMINALS	Voc/ Uo(V)	Isc/Io (A)	Po(W)	Ca/Co (uF)	La/Lo (uH)
DUAL SUPPLY (per channel)	7.875	1.326	2.6	8.8	20.2

NOTES:

1. THIS DRAWING IS FOR CUSTOMER INSTALLATION AND WIRING ONLY.
2. POWER SUPPLY CAN NOT BE INSTALLED IN ACIDIC ATMOSPHERES. INSTALLATION OF EQUIPMENT SHALL BE IN ACCORDANCE WITH NEC (NFPA 70, ARTICLES 500–506) AND ANSI/ISA–RP12.06.01 TO MEET US REQUIREMENTS. FOR CANADIAN REQUIREMENTS CONSULT C22.1. FOR US INSTALLATIONS, INTERCONNECTING DEVICES IN THE HAZARDOUS AREA MUST BE FM APPROVED.
3. Ci AND Li PARAMETERS MUST TAKE INTO ACCOUNT CABLE CAPACITANCE AND INDUCTANCE. IF THE CABLE ELECTRICAL PARAMETERS ARE UNKNOWN THE DEFAULT VALUES SHALL BE:
   CAPACITANCE = 60pF/FT INDUCTANCE = 0.2uH/FT
4. FM ENTITY APPROVED INTRINSICALLY SAFE DEVICES CAN BE INTERCONNECTED WHEN ENTITY PARAMETERS MEET THE FOLLOWING CONDITIONS.
   Vmax (Ui) ≥ Voc (Uo), Ci + Ccable ≤ Ca (Co), Li + Lcable ≤ La (Lo), Po ≤ Pi, Io(Isc) ≤ Imax
5. CONDUIT SEAL IS REQUIRED AT ENCLOSURE ENTRANCE FOR AC POWER WHEN INSTALLED IN A DIVISION 1 OR ZONE 1/21 HAZARDOUS LOCATION.

THIS DOCUMENT IS A FACTORY MUTUAL APPROVED DOCUMENT. ALL CHANGES OR REVISIONS MUST BE AUTHORIZED BY FACTORY MUTUAL RESEARCH CORPORATION AND BY RICE LAKE WEIGHING SYSTEMS.

MATERIAL: NOT APPLICABLE

FINISH: NOT APPLICABLE

UNLESS OTHERWISE SPECIFIED
UNITS TO BE INCHES
ALL THREADS TO BE CLASS 2
ALL DIMENSIONS APPLICABLE AFTER TREATMENT
DO NOT SCALE DRAWING
DRAWING TOLERANCES UNLESS OTHERWISE SPECIFIED
SURFACE FINISH ✓
TOLERANCES .XX: .XXX: ANGLE:
DES. ENG.:
MFG. ENG.:
DRAWN BY: BJB 3/14/17

RICE LAKE WEIGHING SYSTEMS

TITLE: mb-EPS-100-240-X2
CONTROL DRAWING

THIRD ANGLE PROJECTION | SHEET 1 OF 1 | SCALE NA | DWG NO. 182301 | REV A