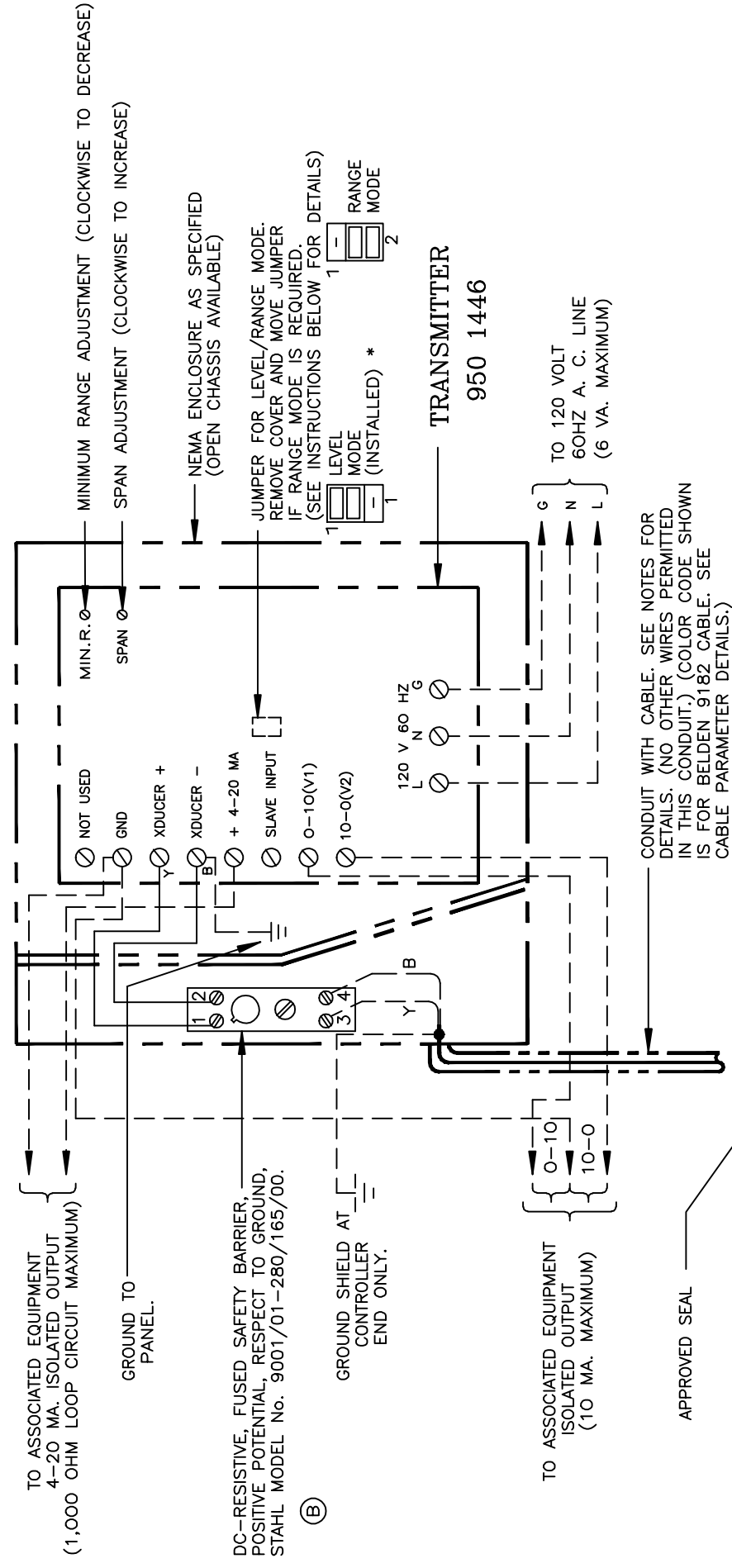


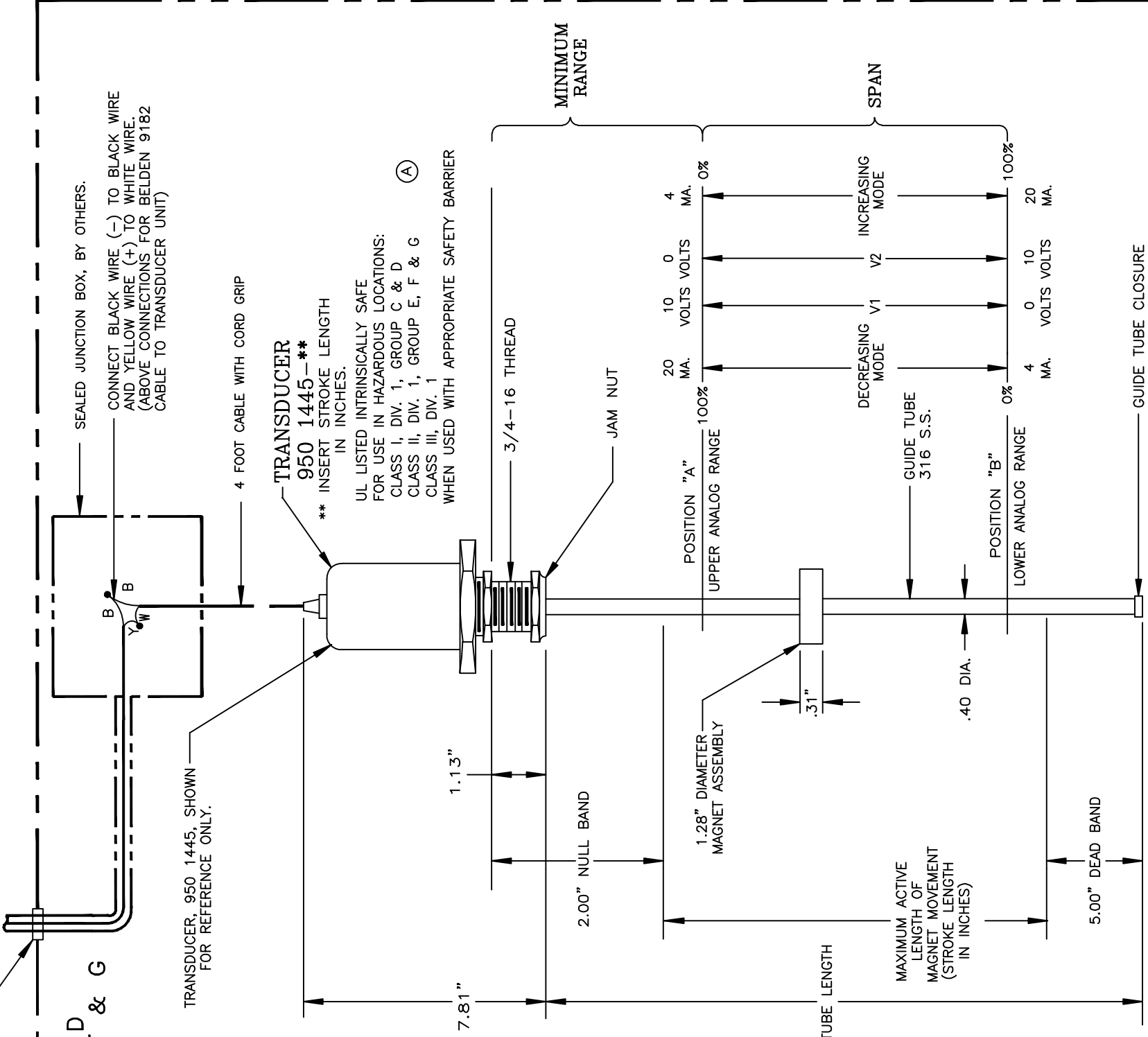
HAZARDOUS WIRING

120 VOLT 60 HZ APPLICATION

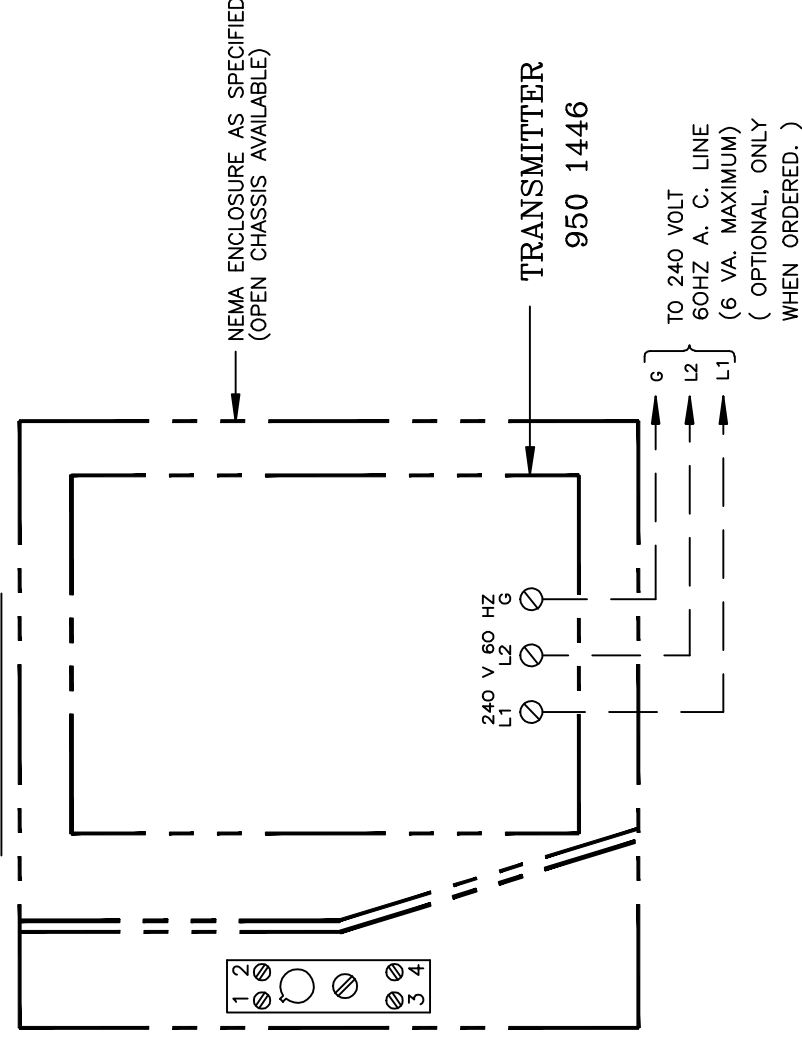


NON-HAZARDOUS LOCATION
HAZARDOUS LOCATION
CLASS I, DIV. 1, GROUP C & D
CLASS II, DIV. 1, GROUP E, F & G
CLASS III, DIV. 1

SEALD JUNCTION BOX, BY OTHERS.
CONNECT BLACK WIRE (-) TO BLACK WIRE
AND YELLOW WIRE (+) TO WHITE WIRE.
(ABOVE CONNECTIONS FOR BELDEN 9182
CABLE TO TRANSDUCER UNIT)



240 VOLT 60 HZ APPLICATION (OPTIONAL)



NOTES:

- CABLE PARAMETERS:
A. USE CONDUIT WITH CABLE INSIDE.
B. NO OTHER WIRES TO BE IN CONDUIT.
C. UP TO 1000 FEET- #22 AWG OR GREATER, TWISTED SHIELDED CABLE, CAPACITY LESS THAN 60 PICOFARAD PER FOOT, INDUCTANCE LESS THAN .2 MICROHENRIES PER FOOT.
D. UP TO 2500 FEET- TWIN AXIAL BELDEN 9182 OR EQUAL. (6.8 PICO FARADS PER FOOT)

CALIBRATION INSTRUCTIONS:

- POSITION THE MAGNET AT THE UPPER LIMIT OF THE ANALOG SPAN REQUIRED (POSITION A), WHILE READING OUTPUT V1 (i.e. 0-10 TO GROUND); ADJUST THE "MIN.R." ADJUSTMENT SCREW TO READ 10.00 VOLTS.
 - CHANGE POSITION OF THE MAGNET TO THE LOWER LIMIT OF THE ANALOG SPAN (POSITION B), WHILE STILL READING V1, TURN THE "SPAN" ADJUSTMENT SCREW TO READ 0.00 VOLTS.
 - IF THE 4. TO 20 MILLIAMPERE OUTPUT IS REQUIRED, DETERMINE WHICH MODE OF OPERATION IS REQUIRED AND SELECT THE REQUIRED POSITION OF THE JUMPER. RISING LEVEL RANGE MODE- CURRENT INCREASES ON FALLING LEVEL THE 0 TO 10 VOLT OR 10 TO 0 VOLT OUTPUTS, ARE ALWAYS PRESENT.
 - THE 950 TRANSMITTER IS NORMALLY SHIPPED WITH THE JUMPER IN LEVEL MODE. THE COVER MUST BE REMOVED BY FIRST REMOVING 4 STAND-OFF SCREWS AND COVER BEFORE CHANGING THE MODE JUMPER *.
- * LEVEL MODE- JUMPER ACROSS THE UPPER TWO PINS- POSITION 1.
RANGE MODE- JUMPER ACROSS THE LOWER TWO PINS- POSITION 2.

GENERAL INFORMATION

PRIOR TO INSTALLATION, POWER UP THE SYSTEM TO VERIFY OPERATION AND TO FAMILIARIZE YOURSELF WITH THE UNIT.

SEE DRAWING E-0198300-B, WHEN UL APPROVAL IS REQUIRED ON TRANSDUCER UNIT.

THE TRANSDUCER SHOULD BE HANDLED WITH CARE DURING STORAGE AND INSTALLATION.

THIRD ANGLE PROJECTION	63
SURFACE FINISH	63
UNLESS OTHERWISE SPECIFIED	
TOLERANCE ALLOWANCE	
UNLESS OTHERWISE SPECIFIED:	
0.005 ON 3 PLACE DECIMALS	
+/- 0.0005 ON 4 PLACE DECIMALS	
+/- .30 MIN. ON ALL ANGLES	

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AMETEK
Automation & Process Technologies

Clawson, MI 48017 U.S.A.

DR. R.G.	TITLE WIRNG DIAGRAM FOR
DATE 3/15/91	TYPE 950 4-20 MA. &
APP.	(0-10/10-0) OUTPUTS
DATE	120/240 VOLT ASSEMBLY
SCALE	WITH SAFETY BARRIER.
NONE	DRAWING NO.
	E0209500
	REV. SIZE
	C C

REV.	DESCRIPTION	DATE	BY
A	WAS ACAD DRAWING AND UL NOTE ADDED	8/31/94	RG
B	UPDATED TO NEW SAFETY BARRIER	5/13/97	WAK
C	UPDATED LOGO IN TITLE BLOCK	10/22/08	MJD