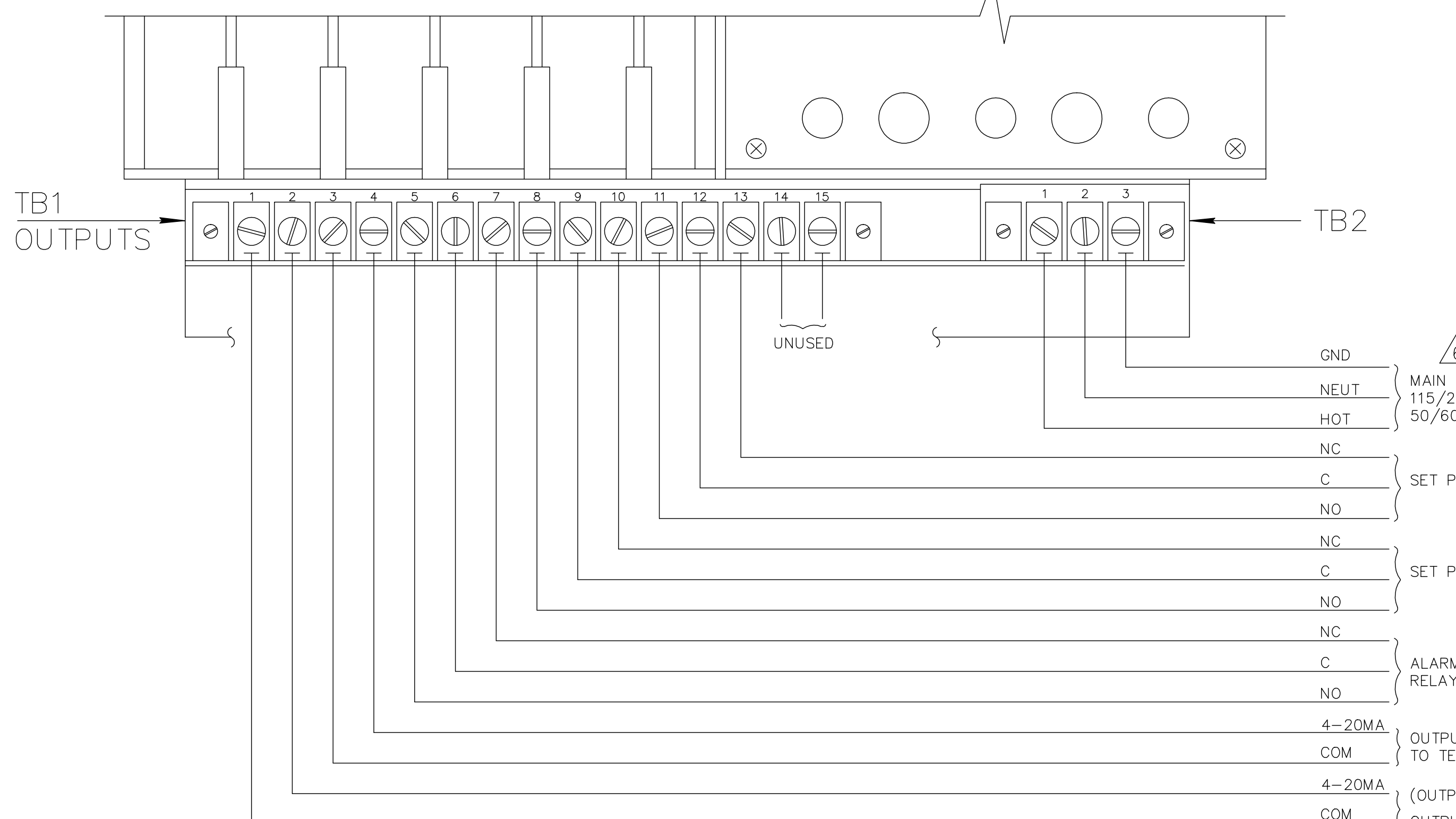


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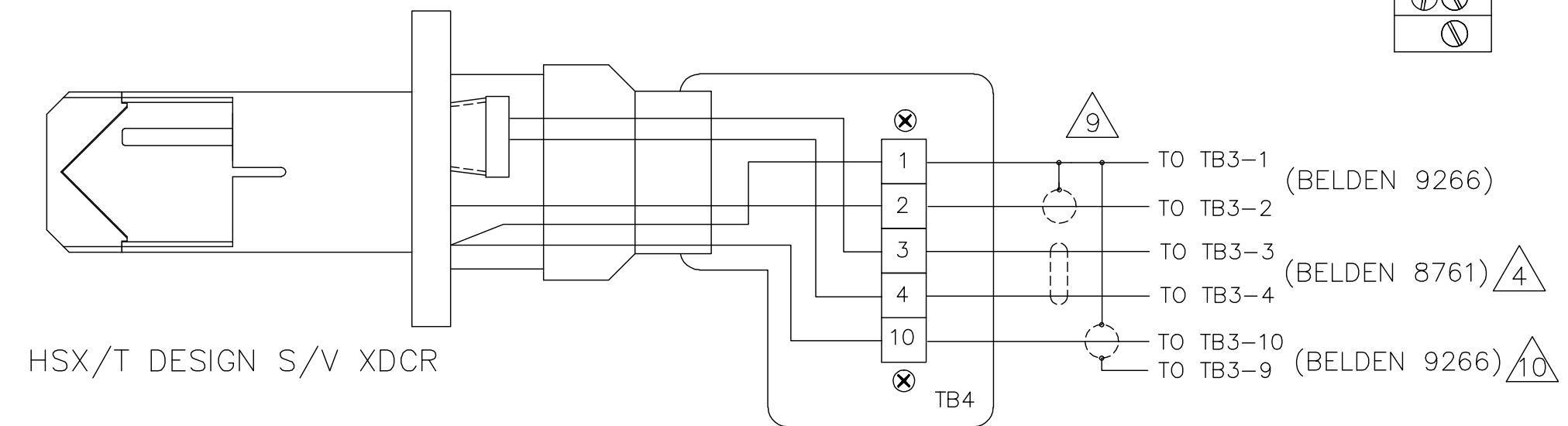
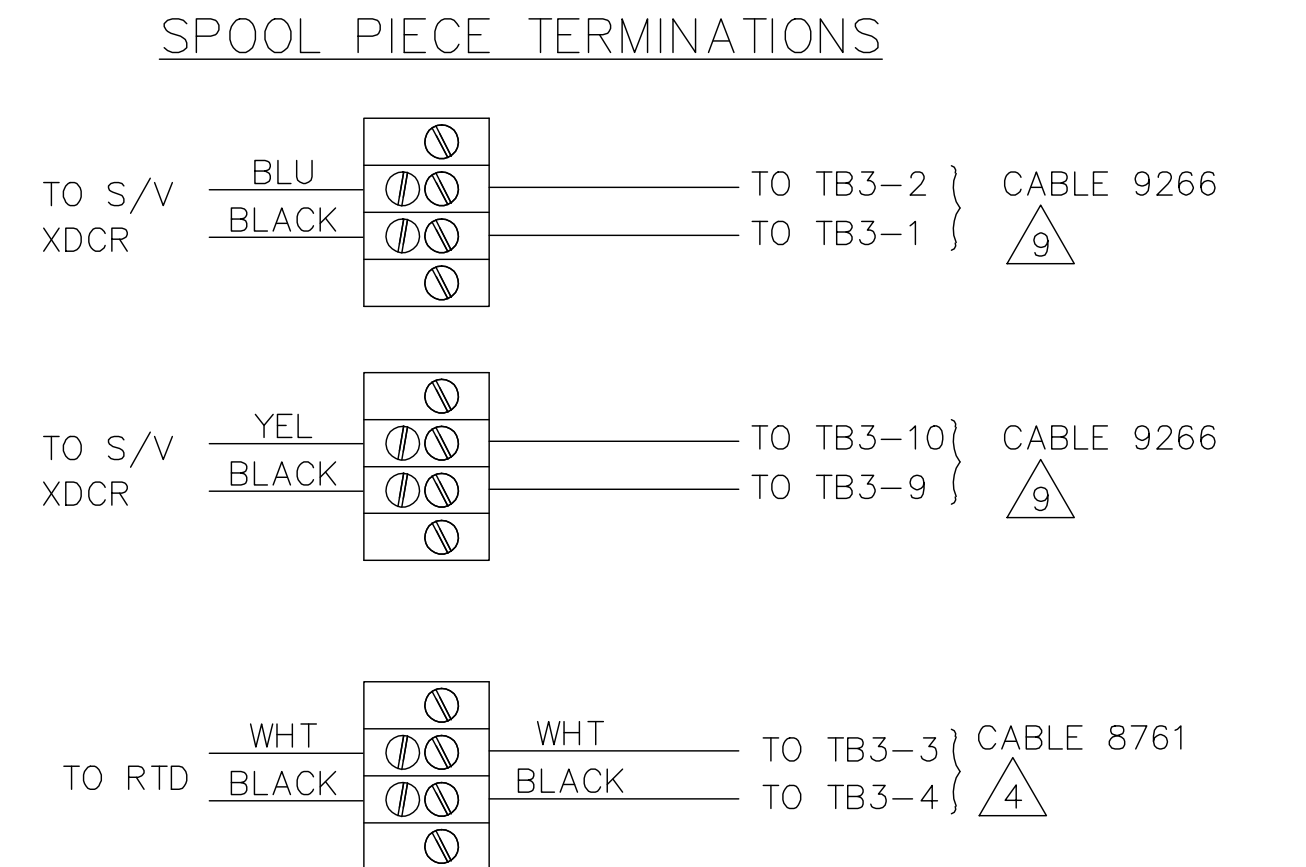
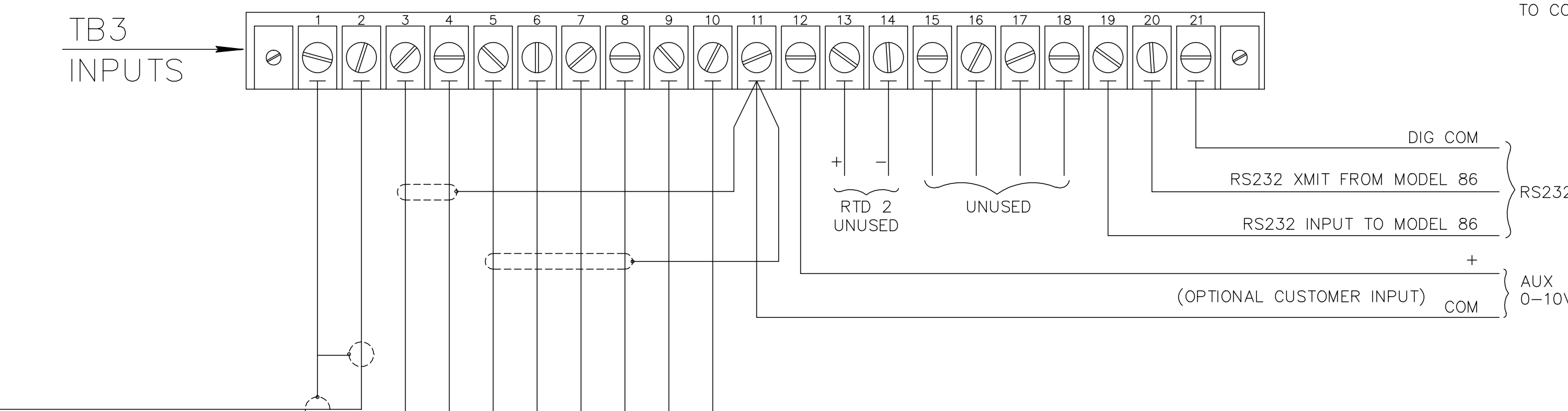
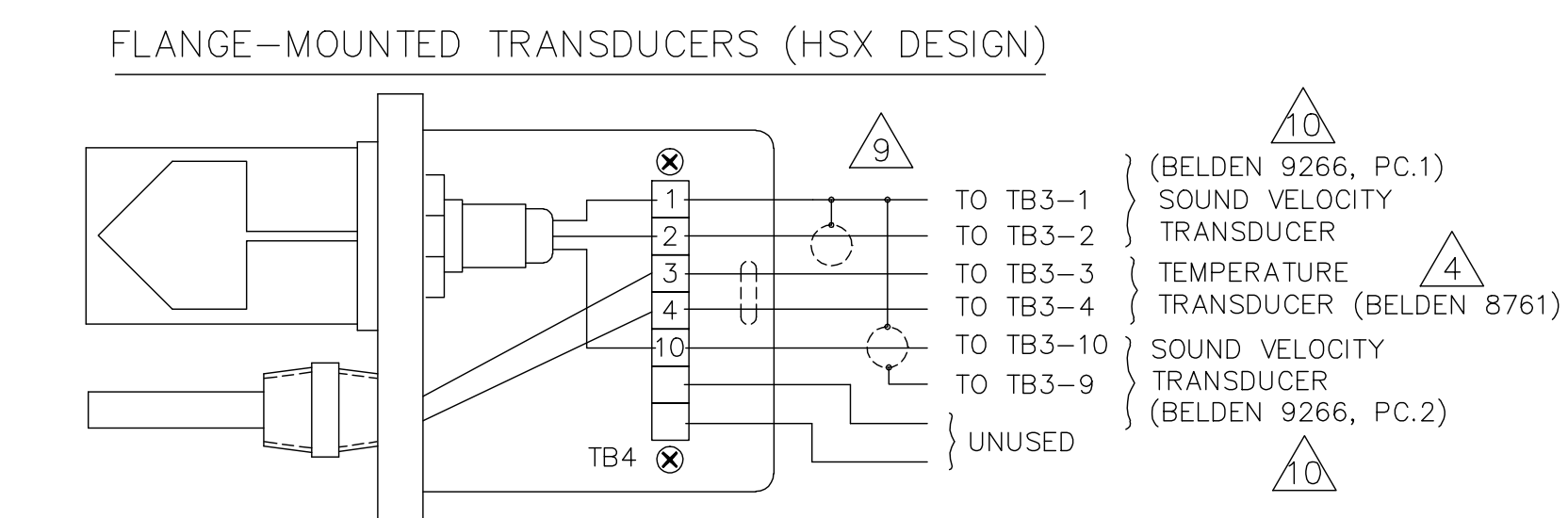
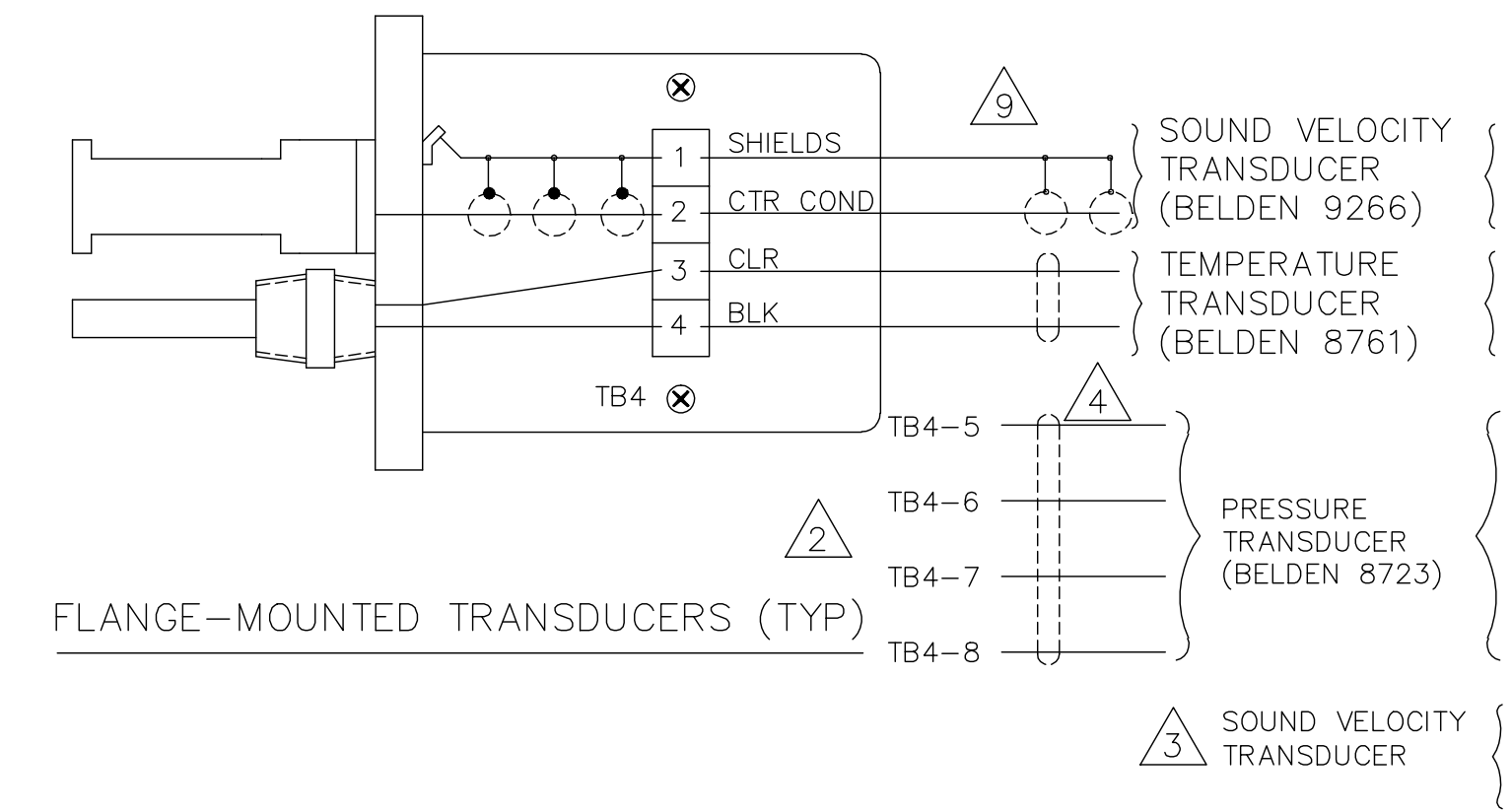
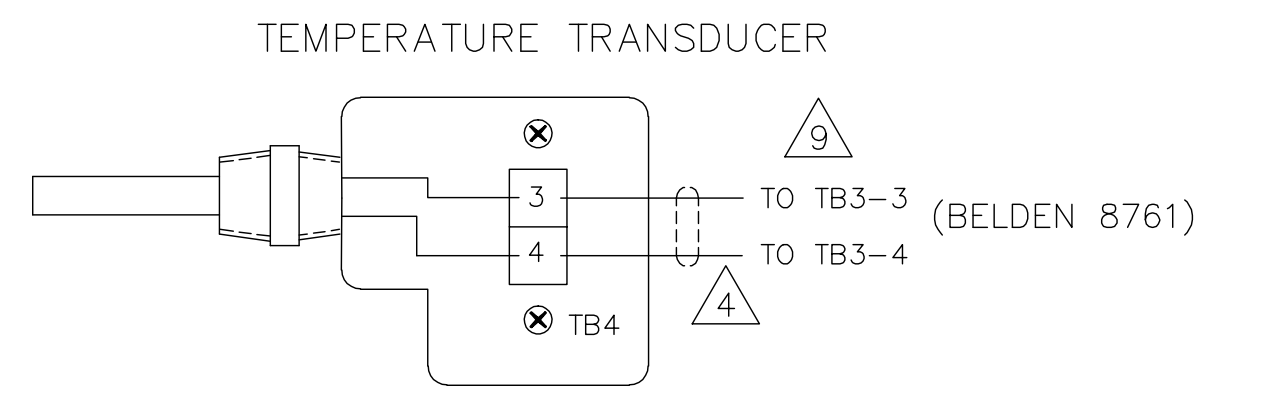
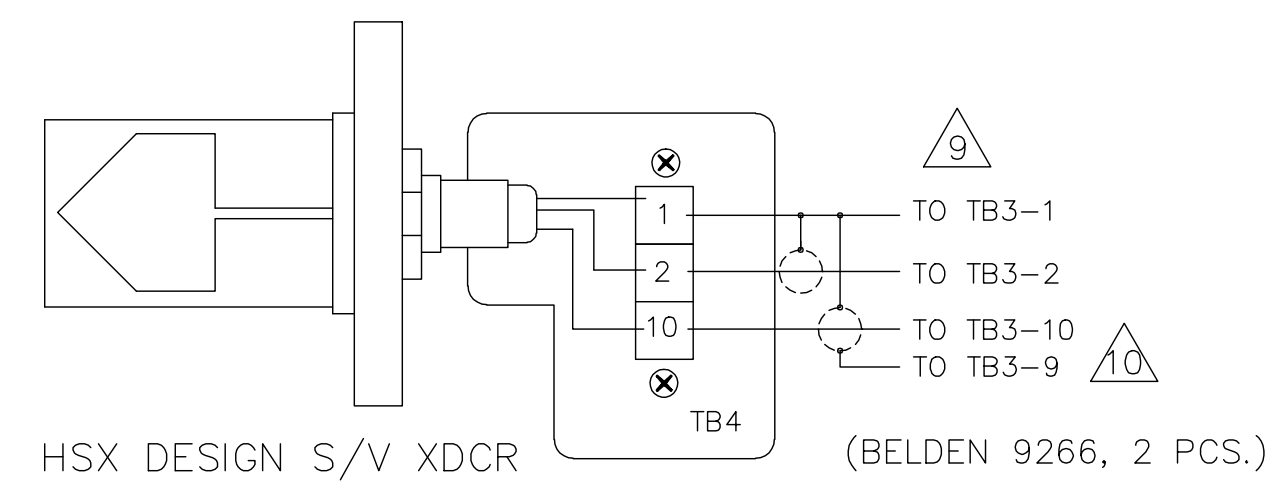
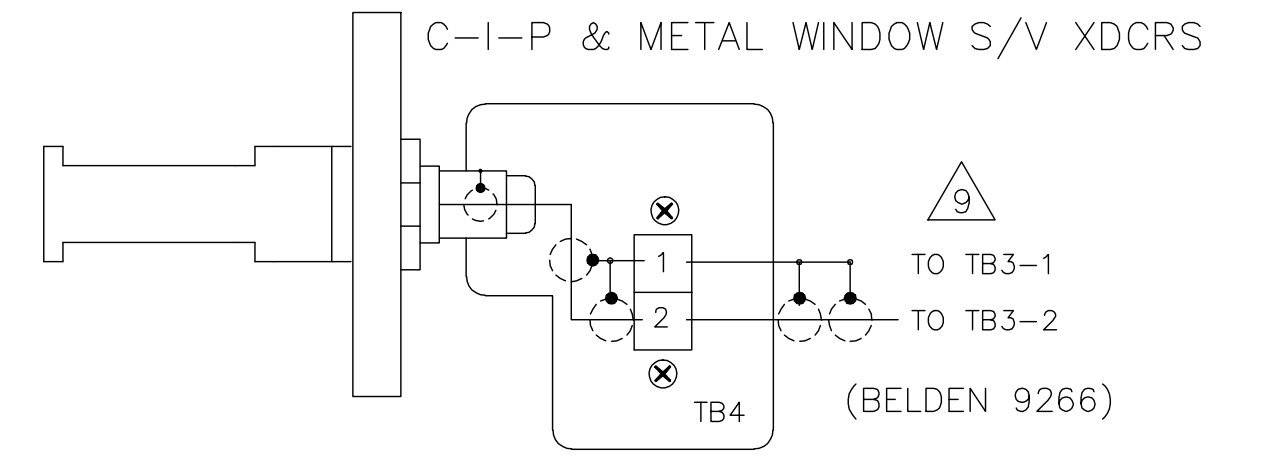
REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
A	REL TO MFG	10/29/87	LTR
B	REL. FOR PRODUCTION PER ERO #55	11/6/87	LTR
C	DELETED NOTE (OPTIONAL CUSTOMER OUTPUTS) AT RELAYS AND INCLUDED OUTPUTS 1 & 2 IN NOTE 8	1/20/88	LTR
D	REV PER ECN #724	4/21/89	LTR
E	REV PER GM & KB	5/31/89	
F	REV PER ECN #751	3/15/90	LTR
H	USED LOCATIONS 14,15 TB1 FOR ATTENUATION	6/26/90	LTR
J	ADD GND WIRE FROM CONN HD TO CHASSIS	7/16/91	LTR
K	DELETE GND WIRE FROM CONN HD TO CHASSIS DELETE WIRING DIAG (ISO XFMR) CHG SPOOLPIECE TERMINATIONS	11/20/91	LTR
L	CHG SPOOL PIECE TERMINATIONS,ADD CABLE TBL.	4/30/92	LTR

1 TRANSMITTER



SAMPLE CHAMBER, BUBBLE-REMOVAL CHAMBER, TEE-MOUNTED TRANSDUCERS (TYP.)



- DWG NOTES**
- IN TORRID OR TROPICAL CLIMATES, DO NOT INSTALL TRANSMITTER IN DIRECT SUNSHINE. IN TEMPERATE OR SUBTROPICAL CLIMATES, DO NOT USE A DARK (ABSORBENT) COLOR WHEN REPAINTING EXTERIOR SURFACES OF TRANSMITTER ENCLOSURE. IF NEMA 7 ENCLOSURE IS INSTALLED IN AN OUTSIDE LOCATION, APPLY SILICONE GREASE BETWEEN THE COVER FLANGE AND THE MATING SURFACE.
  - PRESSURE TRANSDUCER AND INTERCONNECTING CABLE ARE OPTIONAL.
  - SOUND VELOCITY TRANSDUCER CABLING: REFER TO SPECIFIC CONFIGURATION ILLUSTRATIONS (HSX AND SPOOL S/V TRANSDUCERS ONLY) FOR TERMINATIONS AND CABLE TYPE.
  - TEMPERATURE AND PRESSURE (OPTIONAL) TRANSDUCER CABLE SHIELDS ARE NOT TERMINATED AT TRANSDUCERS.
  - ALL TRANSMITTER-TO-TRANSDUCER CABLING SHOULD BE ENCASED IN RIGID METAL CONDUIT WHICH PROVIDES ELECTRICAL CONTINUITY BETWEEN JUNCTION BOX AT TRANSDUCERS AND TRANSMITTER ENCLOSURE.
  - MAIN VOLTAGE IS SPECIFIED ON INSTRUMENT MODEL/SERIAL NUMBER LABEL.
  - OUTPUT CURRENT SPECIFICATION: 4-20MA @ 600 OHM (MAX).
  - EACH CABLE CONNECTING OUTPUT EQUIPMENT TO TRANSMITTER SHOULD BE BELDEN 8762 OR EQUIVALENT (NOT SUPPLIED). CONSULT FACTORY IF ANY CABLE LENGTH EXCEEDS 5000FT.
  - TRANSDUCER/RTD CABLE TEMPERATURE RANGE, SEE TABLE
  - HSX CONFIGURATION TRANSDUCERS ONLY: TB3-1 AND TB3-9 SHIELDS ARE JOINED AT THE TRANSDUCER.
  - FOR LENGTHS GREATER THAN 10.0' (XDCR ONLY) CONSULT FACTORY

PROCESS TEMP RANGE	BELDEN NO. RTD CABLE	BELDEN NO. XDCR CABLE
ABOVE 200°C	CONSULT FACTORY	
150° TO 200°C (392°F)	88760	89108
80° TO 150°C (302°F) XDCR		87108
60° TO 150°C (302°F) RTD	87760	
BELOW 80°C (176°F) XDCR		9266
BELOW 60°C (140°F) RTD	8761	

LIMITED TO 10.0' LENGTH

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UNLESS OTHERWISE SPECIFIED				DRAWN		L.T.RILEY		CONTRACT NO.			
2 PL DEC ±.02				3 PL DEC ±.005		ANGLES ±30'		MECH ENGR			
								ELEC ENGR			
								MFG			
								DESIGN ACTIVITY APPROVAL			
								DATE			
PART NO.				NEXT ASSY		USED ON		MODEL 86		SCALE N/A WT	
								FIELD WIRING DIAGRAM CONCENTRATION ANALYZER		SIZE CODE IDENT NO. 301411-001	
								SHEET 1 OF 1			