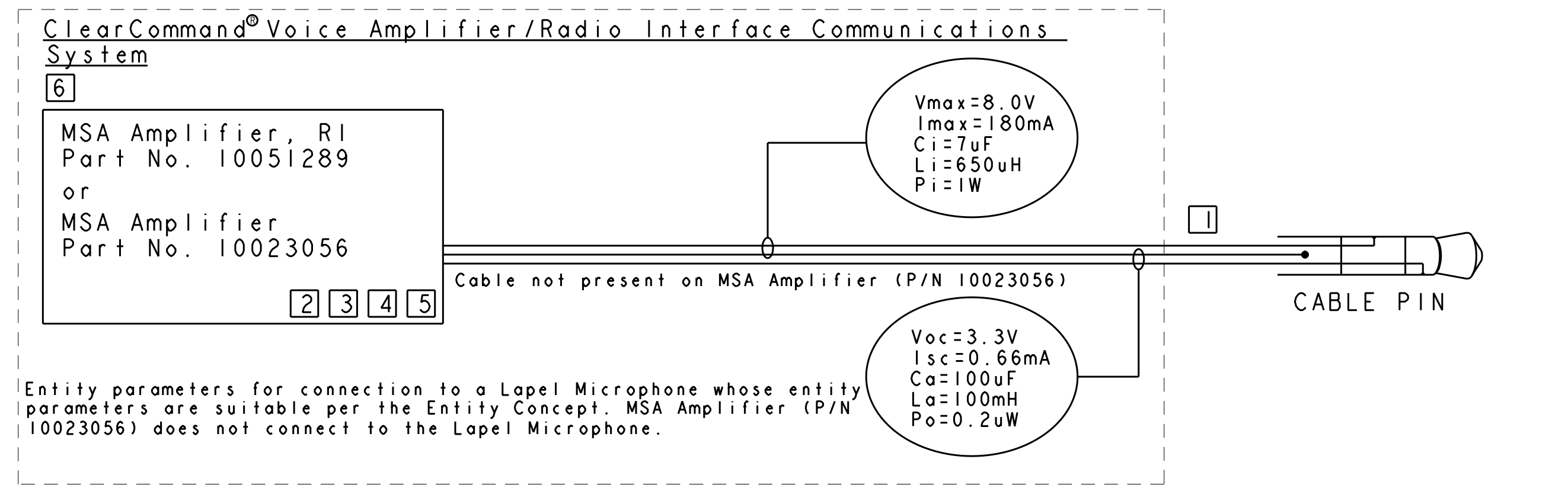
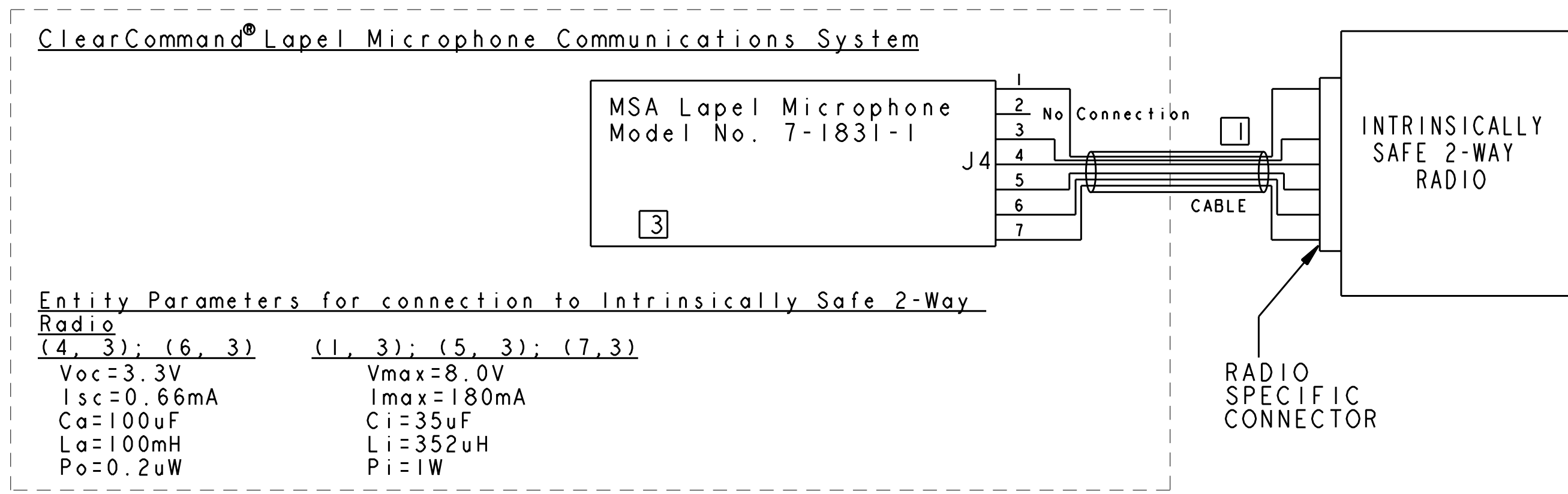
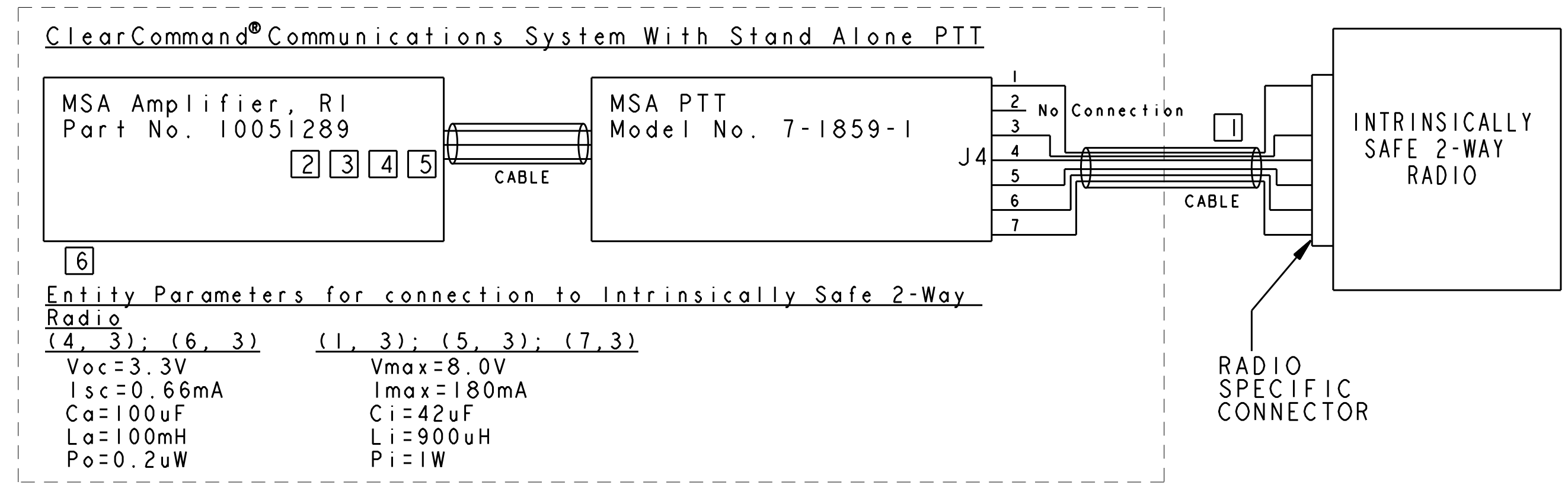
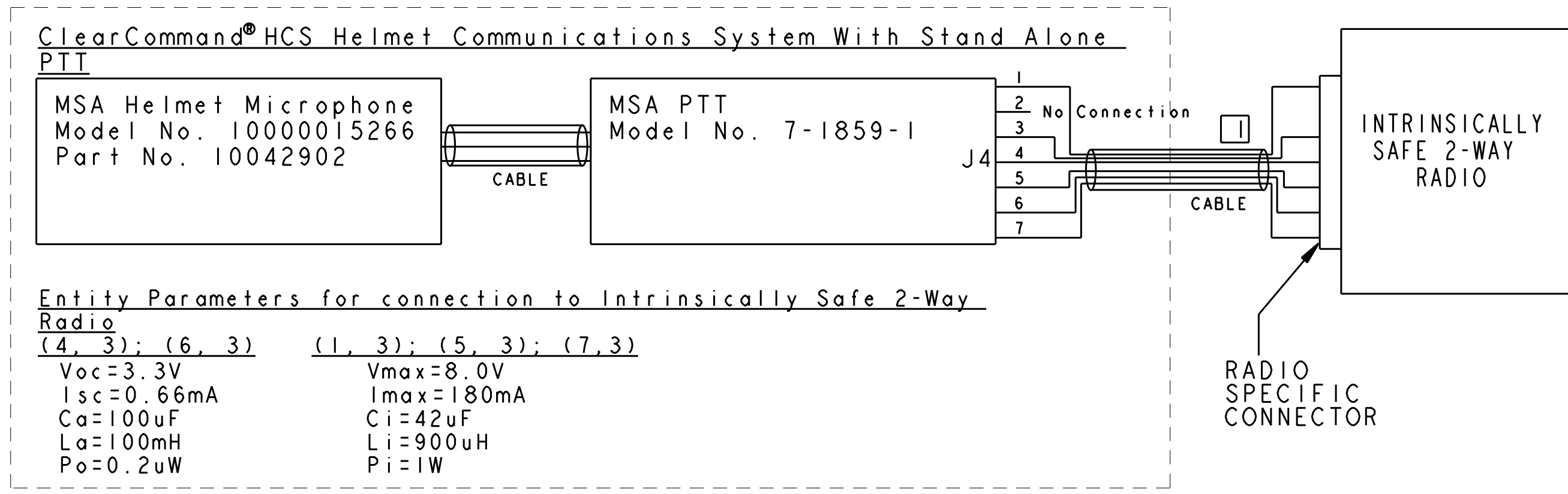
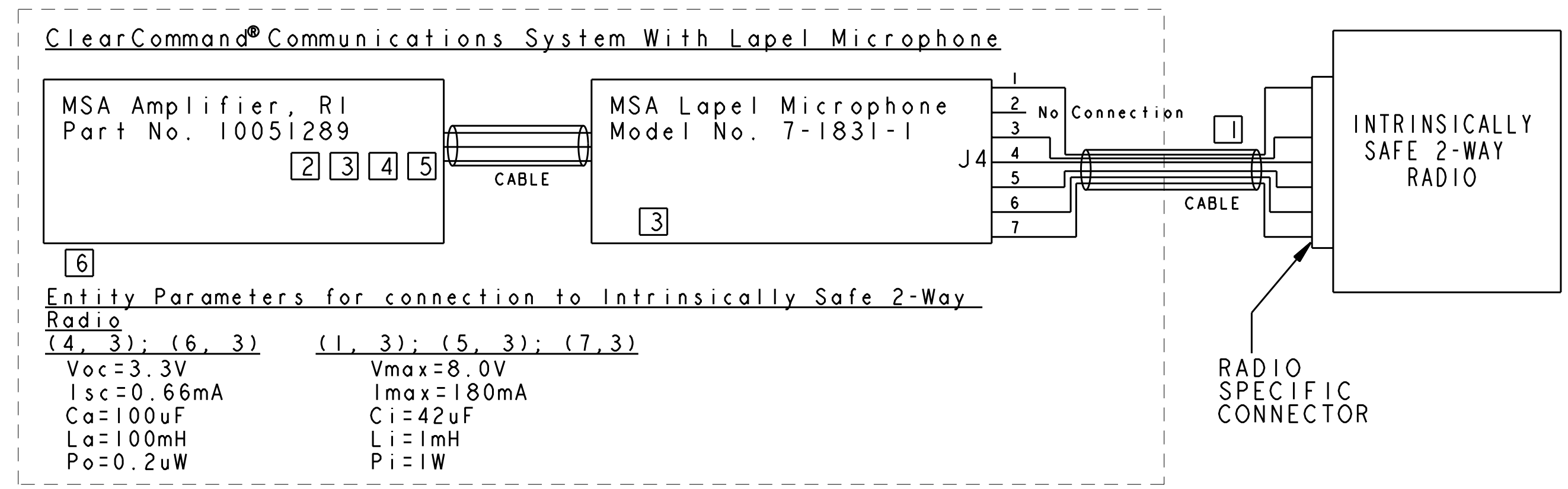
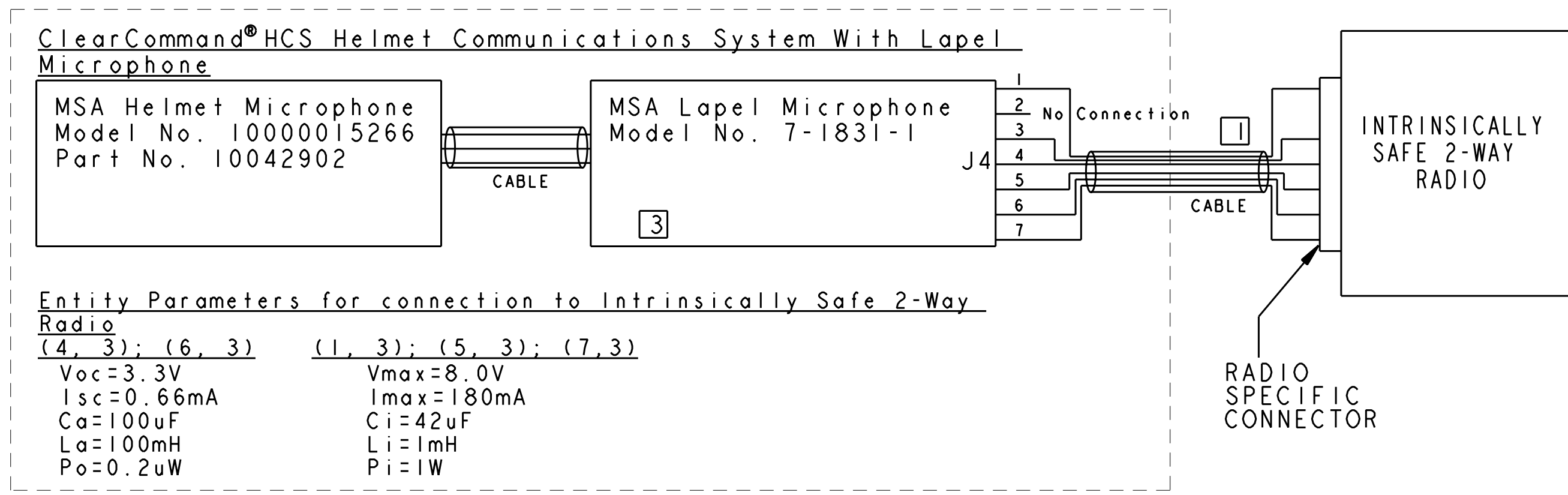


MSA CLEARCOMMAND® COMMUNICATIONS SYSTEM CONTROL DRAWING

② LISTED by Intertek ETL SEMKO FOR USE IN UNCLASSIFIED OR HAZARDOUS (CLASSIFIED) LOCATIONS
 CLASS I, DIVISION 1, GROUPS A,B,C,D; CLASS II, DIVISION 1, GROUPS E,F,G; CLASS III DIVISION 1

REVISIONS	
①	7-5-2005 DRAWING EXTENSIVELY REVISED ECO-500000164316 WJE RJK
JUL 07 2005	
②	8-4-2005 "LISTED BY..." WAS "APPROVED BY..." "CLASS I, ZONE 0, GROUPS IIC, IIB, IIAI" REMOVED. PERIOD AFTER "DIVISION I REMOVED." ECO-500000164783 LCR RJK
AUG 8 2005	



- ① The communication system can be used in any of the configurations shown. The system or apparatus is only intrinsically safe when connected per the Entity Concept within the described Entity parameters: $V_{oc} \leq V_{max}$; $I_{sc} \leq I_{max}$; $C_i + C_{cable} \leq C_a$; $L_i + L_{cable} \leq L_a$; $P_o \leq P_i$.
- ② Only use Energizer E92 or Duracell MN2400 AAA batteries.
- ③ ⚠ WARNING - Substitution of Components May Impair Intrinsic Safety.
 Advertissement: La Substitution de De Composants Peut Compromettre La Sécurité Intrinsèque
- ④ ⚠ WARNING - To reduce the risk of ignition of a flammable or explosive atmosphere, batteries must be changed only in a location known to be non-hazardous.
 Advertissement: Afin De Prévenir L'Inflammation D'Atmosphères Dangereuses, Ne Changer Les Batteries Que Dans Des Emplacements Désignés Non Dangereux.
- ⑤ ⚠ WARNING - To reduce the risk of explosion do not mix new batteries with used batteries, or mix batteries from different manufacturers.
- ⑥ VOICEMITTER (P/N 10024076) may be connected to MSA Amplifier, RI (P/N 10051289) or MSA AMP (P/N 10023056).

AUTHORIZED COUNTRY	MSA	MINE SAFETY APPLIANCES CO. PITTSBURGH, PA 15230, USA	THIS DRAWING IS THE PROPERTY OF MSA AND IS MADE AVAILABLE TO YOU IN CONFIDENCE AND SUBJECT TO THE FOLLOWING: NO PERMISSION IS GRANTED TO PUBLISH, USE, REPRODUCE, TRANSMIT OR DISCLOSE THIS DRAWING, OR ANY INFORMATION CONTAINED THEREIN TO OTHERS WITHOUT THE PRIOR WRITTEN CONSENT OF MSA EXCEPT FOR THE MANUFACTURE OF ARTICLES FOR MSA. SCHUTZVERMERK NACH DIN 34 BEACHTEN. MSA AUER GmbH.	DO NOT SCALE DWG.
MSA STANDARD SHOP PRACTICES APPLY		JOB NO. 30004880	APPROVAL AGENCY CODE: NIOSH ATTR. DOC.	
CRITICAL SYMBOLS	MAJOR A (NO MARK)	DRAWN BY SPK	DATE 5-19-04	
MAJOR B	100% INSPECTION	CHECKED BY ATK	DATE 7-15-04	
TOLERANCES UNLESS OTHERWISE SPECIFIED	FRACTIONAL ±	PROJ. ENGR. JFK	DATE 7-15-04	
2 PL DEC. ±	3 PL DEC. ±	QUALITY ASSURANCE DB	DATE 7-20-04	
ANGULAR ±	SEE MSA STANDARD SHOP PRACTICES FOR DRILLED HOLE TOLERANCES		MANUFACTURING	
		D	CADD REF: SK3033-168	SCALE: 1:000
			SK3033-168	SHEET 1 OF 1