

DWG. NO.		REV. 1 OF REV. 1	
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REV.	DESCRIPTION	ENGR./APVD.	DATE
A	INITIAL RELEASE, NEVER PRELIM. / AEK	KAS	AFB 5/25/06
REVISIONS			



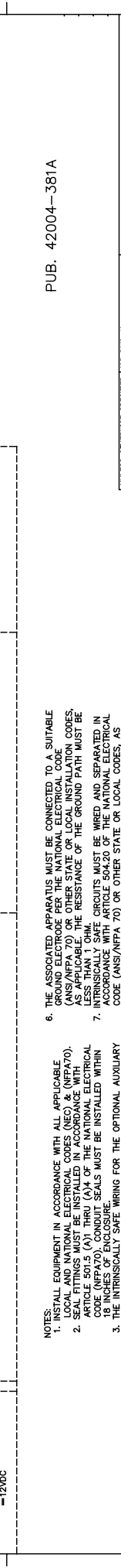
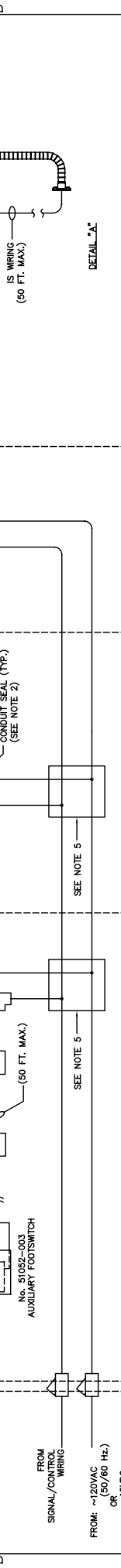
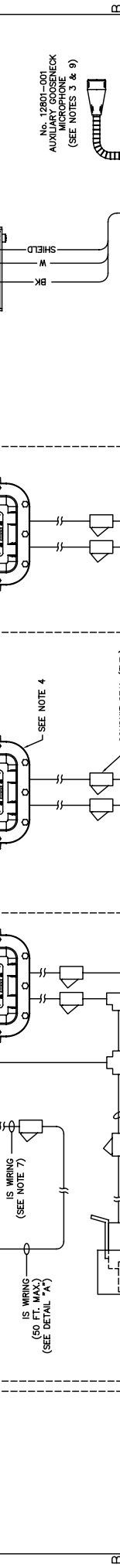
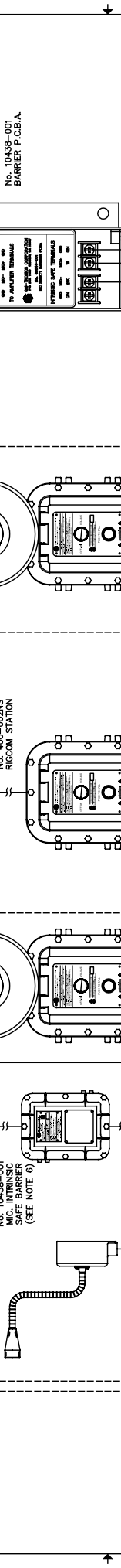
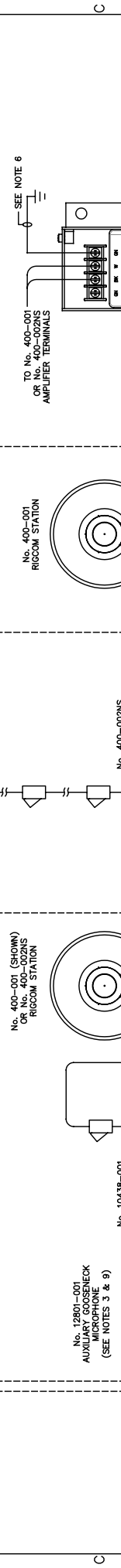
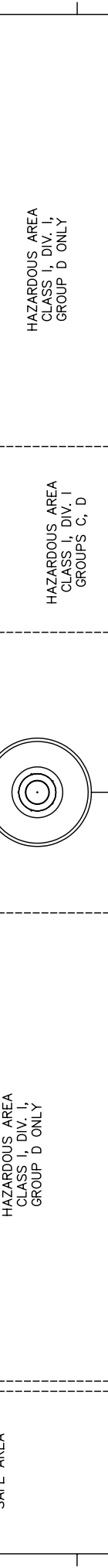
HAZARDOUS AREA CLASS I, DIV. I, GROUP D ONLY

HAZARDOUS AREA CLASS I, DIV. I, GROUPS C, D

HAZARDOUS AREA CLASS I, DIV. I, GROUPS B, C, D

HAZARDOUS AREA CLASS I, DIV. I, GROUP D ONLY

SAFE AREA



JOB DWG. NO.		CONTRACT NO.	
GAI-TRONICS CORPORATION READING, PA. 19607		No. 400-001 & 400-002NS RIGCOM MASTER/SLAVE/Common CONTROL DRAWING	
UNLESS OTHERWISE SPECIFIED, DIMENSIONS AND TOLERANCES ARE:	FRACTIONS	DECIMALS	ANGLES
	± 1/64"	± .010"	± 1°
	± .005"	± .005"	± 30"
MATERIAL		DATE	SCALE
		1/12/06	D
FINISH		ENGR.	APVD.
		KAS	AFB
DO NOT SCALE DRAWING		DATE	SCALE
		5/25/06	NONE
DWG. NO.		SHEET 1 OF 1	
73214		73214 A	

- NOTES:
- INSTALL EQUIPMENT IN ACCORDANCE WITH ALL APPLICABLE LOCAL AND NATIONAL ELECTRICAL CODES (NEC) & (NFPA70).
  - SEAL FITTINGS MUST BE INSTALLED IN ACCORDANCE WITH ARTICLE 501.5 (A) THRU (A4) OF THE NATIONAL ELECTRICAL CODE (NEPA70). CONDUIT SEALS MUST BE INSTALLED WITHIN THE INTRINSICALLY SAFE AREA.
  - THE INTRINSICALLY SAFE WIRING FOR THE OPTIONAL AUXILIARY MICROPHONE MUST BE IN ACCORDANCE WITH ARTICLE 504 OF THE NEC AND CANNOT EXCEED THE FOLLOWING SPECS.: MAX. ALLOWABLE INDUCTANCE (L) = 0.005 UP TO 1000 Hz. MAX. ALLOWABLE CAPACITANCE (C) = 0.0005 UP TO 1000 Hz. ONLY 1 K-OHM RESISTOR TO BE INSTALLED IN CENTER OF THE SYSTEM. ONLY 1 RESISTOR IS NEEDED PER SYSTEM.
  - INSTALL JUNCTION BOX (CUSTOMER SUPPLIED) SUITABLE FOR THE APPLICABLE HAZARDOUS LOCATION.
  - THE ASSOCIATED APPARATUS MUST BE CONNECTED TO A SUITABLE GROUNDING SYSTEM IN ACCORDANCE WITH ALL APPLICABLE (ANSI/NFPA 70) OR OTHER STATE OR LOCAL INSTALLATION CODES AS APPLICABLE. THE RESISTANCE OF THE GROUND PATH MUST BE LESS THAN 1 OHM. CIRCUITS MUST BE WHELD AND SEPARATED IN ACCORDANCE WITH ARTICLE 504 OF THE NATIONAL ELECTRICAL CODE (ANSI/NFPA 70) OR OTHER STATE OR LOCAL CODES, AS APPLICABLE.
  - CONTROL EQUIPMENT MUST NOT USE OR GENERATE MORE THAN 5 mV AC RMS MAX., 2 mA AC MAX.
  - NO. 12801-001, DC WITH RESPECT TO EARTH.
  - (A) ELECTRICAL RATING: 5 mV AC RMS MAX., 2 mA AC MAX.
  - (B) WARNING INTRINSIC SAFETY SUBSTITUTION OF COMPONENTS MAY IMPAIR COMPATIBLE TELESPHERES. DISCONNECT POWER BEFORE SERVICING.
  - (C) WARNING

PUB. 42004-381A