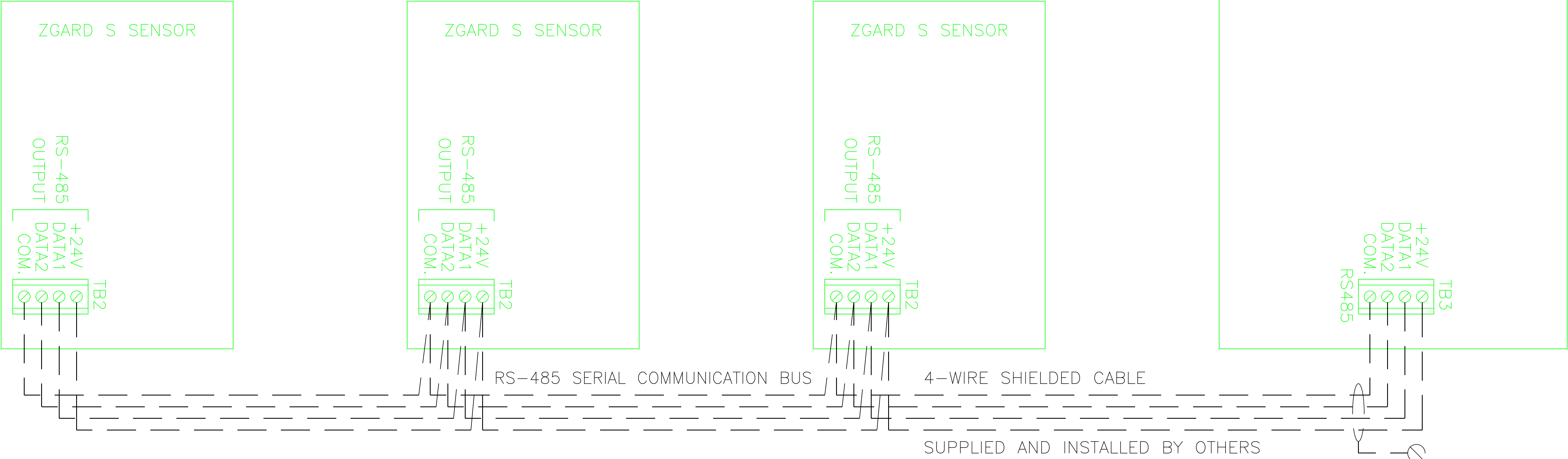


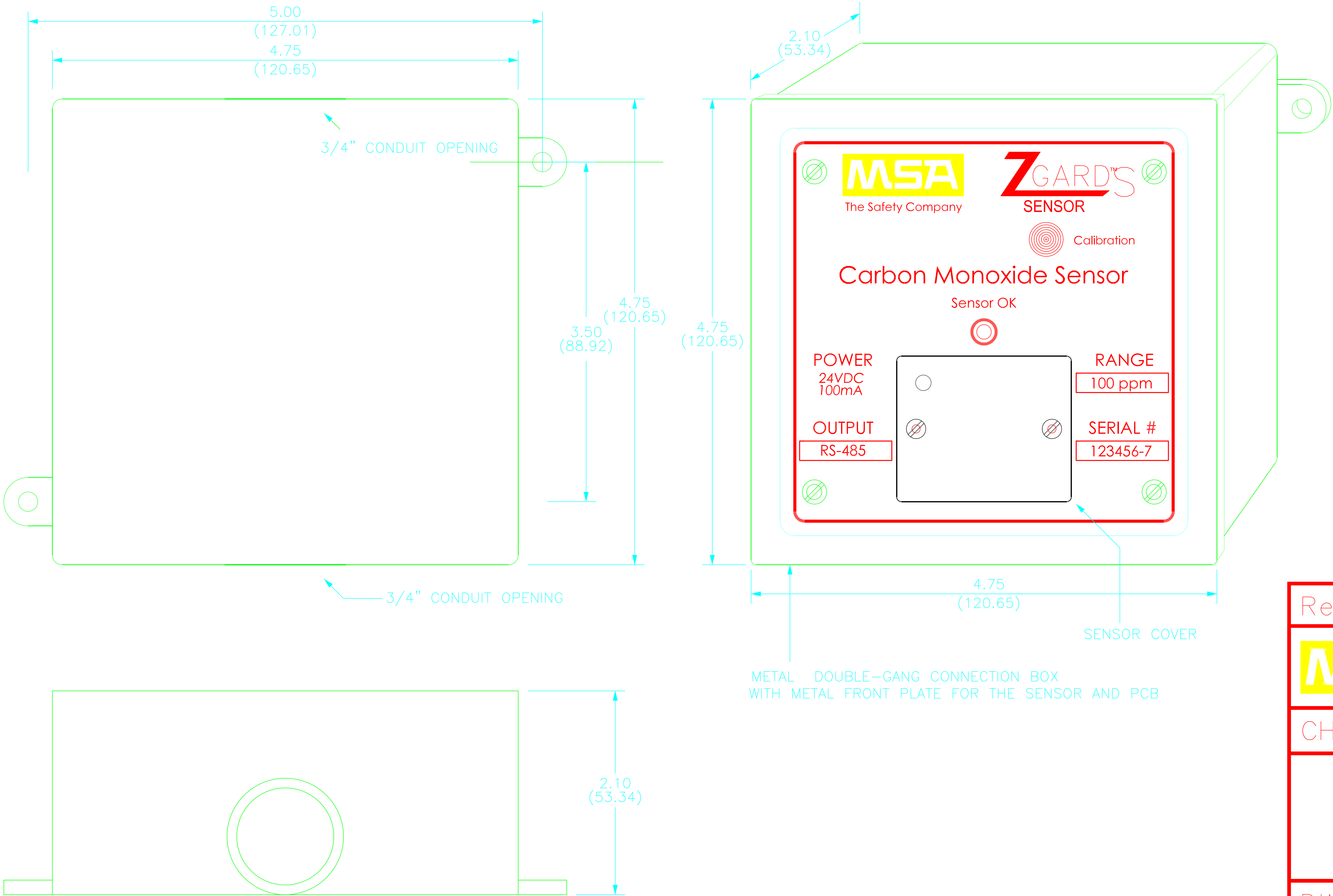
FOR DAISY-CHAIN (SERIES) WIRING OF ZGARD S SENSORS TO AN MSA ZGARD C SERIES CONTROLLER AS SHOWN HERE, EACH SENSOR MUST BE UNIQUELY ADDRESSED VIA JUMPERS ON SENSOR CIRCUIT BOARD.



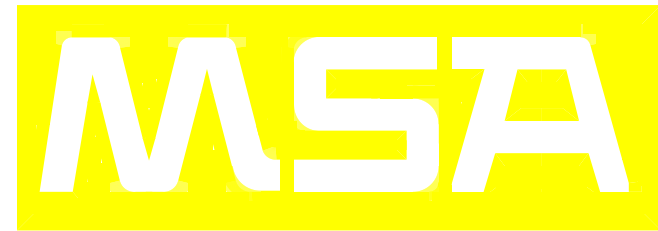
CABLE LENGTH VS. SIZE (AWG#)								
CABLE LENGTH FEET	No. OF SENSORS	4	6	8	10	12	14	16
1 TO 500	AWG #	22	22	22	22	22	20	20
501 TO 1,000	AWG #	22	20	20	20	18	18	18
1,001 TO 1,500	AWG #	20	18	18	16	16	16	16
1,501 TO 2000	AWG #	18	16	16	14	14	14	14

SUGGESTED CABLE	
GAUGE (AWG#)	4-WIRE SHIELDED CABLE
22	ALPHA WIRE 5504
20	ALPHA WIRE 5514
18	ALPHA WIRE 5524
16	ALPHA WIRE 5534
14	ALPHA WIRE 5544

NOTES:
1. DIMENSIONS SHOWN IN INCHES (MILLIMETERS).



Rev. C ZGARD MAG CAL VERSION



CHKD: V.B DATE: Nov. 16/04 DRN: KS

Installation Outline,
ZGARD S,
RS485 Digital Output Sensors

DWG. NO.: 106896

REV. C