

		REVISIONS			
REV.	ECD NO.	DESCRIPTION	CHECKED	APPROVED	DATE
A	30-014	RELEASE(from 29-70205_rC)	EAB	RICK F.	12/04/02
B	30-043	REDUCE OVERALL CABLE LENGTH			

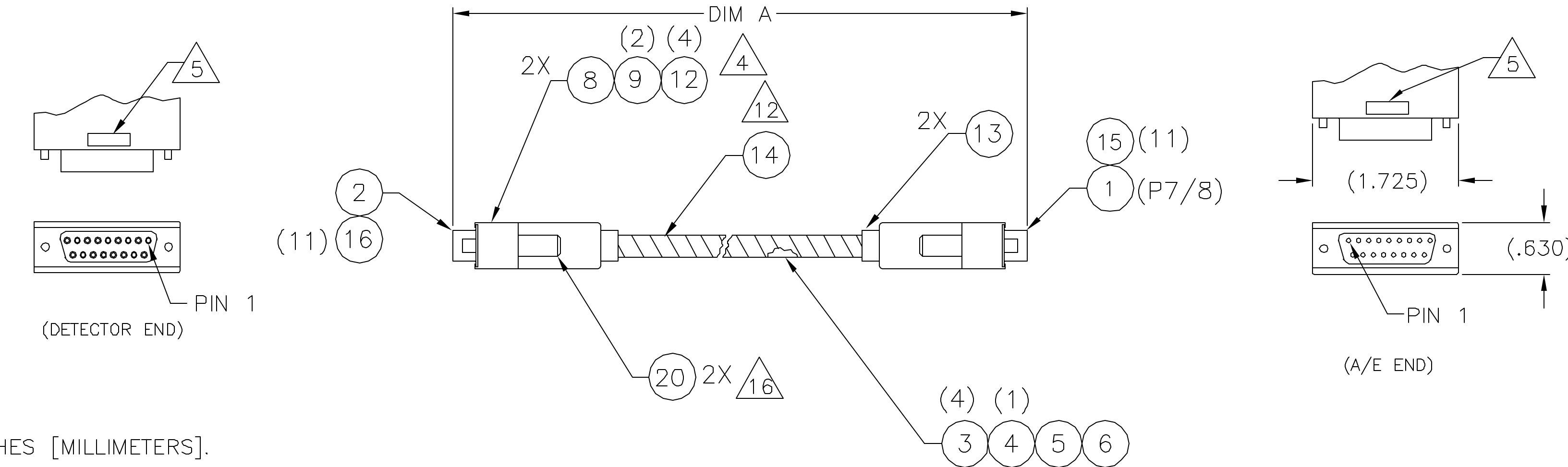
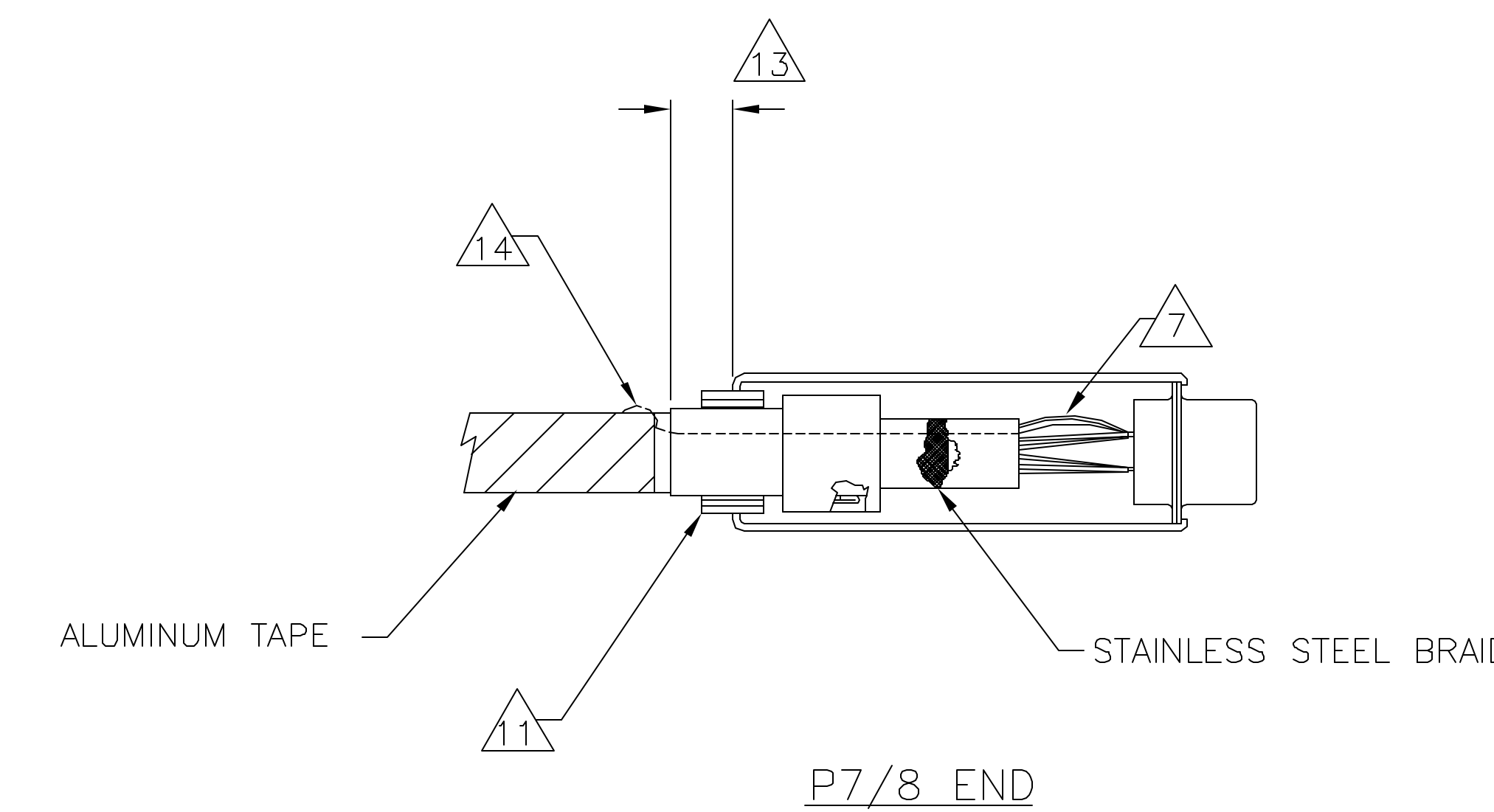
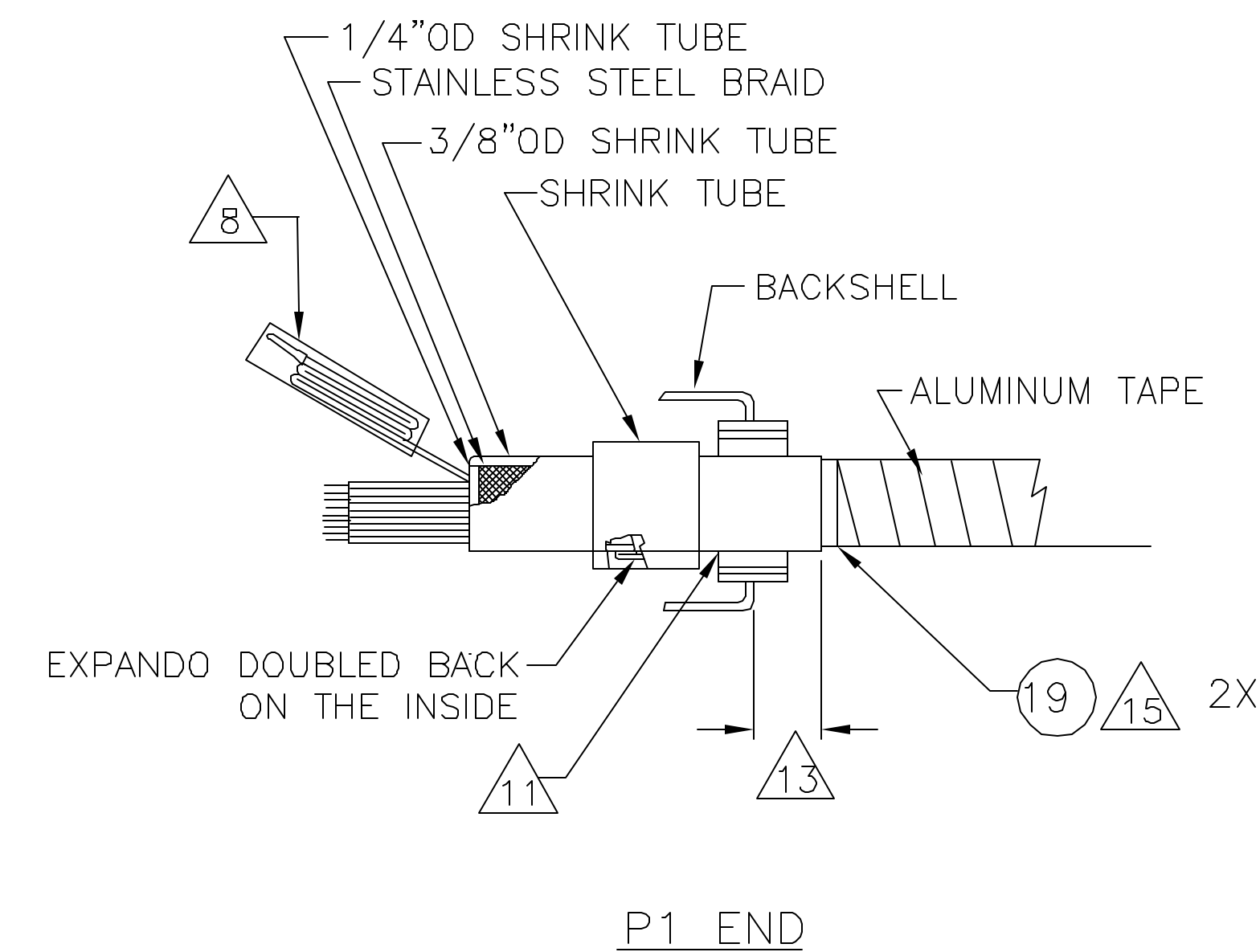


TABLE I
REFERENCE DESIGNATION MARKING

ASSY PART NO.	CONNECTOR F/N		DIM A +2.00/-0.00
	DETECTOR END	AE/TCE	
30-70205	W7AP1	W7AP7	67.3 [1710]
30-70206	W7BP1	W7BP8	66.3 [1685]
30-70207	W21AP1	W21AP7	51.8 [1115]
30-70208	W21BP1	W21BP8	63.2 [1605]

NOTES:

- DIMENSION SHOWN ARE IN INCHES [MILLIMETERS].
- INSTALL AND TEST CONTACTS PER NASA STD-8739.4.
- REFER TO 30-05020.01 FOR SCHEMATIC WIRING LIST.
- DISCARD HARDWARE SUPPLIED WITH F/N 8 AND SUBSTITUTE WITH F/N 12. HAND TIGHTEN HARDWARE. SPOTBOND WITH F/N 10.
- STAMP CONNECTORS AS SHOWN IN TABLE 1, .25 HIGH CHARACTERS WITH F/N 11 ON F/N 8.
- CLEAN AND HANDLE IAW 30-01303.
- CRIMP 7 STRANDS OF SHIELDING (F/N 5) AND ALUMINUM TAPE, F/N 14, DRAIN WIRE INTO CONTACT, (SET TOOL AT SEL #4). INSERT INTO CONNECTOR POSITION 8.
- CRIMP 7 STRAND OF SHIELDING (F/N 5) INTO CONTACT (SET TOOL AT SEL #4). COVER 1 IN. LENGTH WITH SHRINK TUBING, F/N 21, AND LEAVE INSIDE OF BACKSHELL.
- PERFORM CONTACT RETENTION TEST AFTER CONTACTS HAVE BEEN INSTALLED IN THE CONNECTORS.
- PERFORM PULL TESTS FOR CRIMP TOOL QUALIFICATIONS USING G-10-P1 OR G-10-S1 CONTACTS (NOT CONTACTS SUPPLIED WITH CONNECTORS).
- ADD SHRINK TUBE TO INCREASE DIAMETER OF THE CABLE FOR A SNUG FIT TO PROVIDE STRAIN RELIEF.
- START SPIRAL WRAP .38 FROM BACKSHELL. WRAP TO HAVE 50% OVERLAP.
- SHRINK TUBING TO END AT .38 MAX FROM END OF BACKSHELL.

NOTES (CONT):

- TERMINATION OF F/N 14
 - SOLDER F/N 18 TO F/N 17.
 - WRAP F/N 17 AROUND ALUMINUM TAPE, F/N 14, .50 FROM BACKSHELL.
 - ROUTE WIRE THROUGH SHRINK TUBE AT BACKSHELL AND JOIN WITH 1 WEAVE (13 STRANDS OF F/N 5).
 - CRIMP BOTH INTO CONTACT, SET TOOL TO '4'.
 - INSERT CONTACT INTO POSITION 8.
 - COVER F/N 17 WITH F/N 19.
- ENCLOSE ENDS OF ALUMINUM TAPE WITH F/N 19.
- DISCARD HARDWARE SUPPLIED WITH F/N 8 AND SUBSTITUTE WITH F/N 20. P1 END ONLY.

UNLESS OTHERWISE SPECIFIED:
 DIMENSIONS SHALL BE INTERPRETED IAW ANSI Y14.5 - 1982
 DIMENSIONS ARE IN INCHES
 TOLERANCE: ANGLES ±1'
 3 PLACE DECIMALS ±.005
 2 PLACE DECIMALS ±.01
 THIRD ANGLE PROJECTION

NAME	DATE
DRAWN M. SMITH	9/17/02
CHECKED EAB	12/04/02
APPROVED RICK F.	12/04/02
RELEASED D. GAGE	12/04/02
WEIGHT	

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FLIGHT CABLE ASSY,
 TEC CONTROL
 W7A, W7B, W21A, W21B

SIZE D CAGE CODE 80230 DWG. NO. 30-70205 REV. B
 SCALE NONE SHEET 1 OF 1