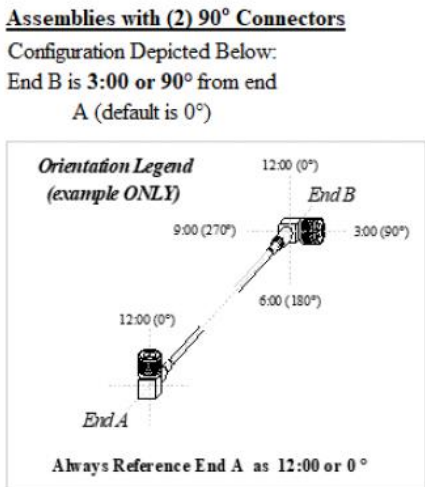


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REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
0	INITIAL RELEASE	7/14/22	P.THAO
1	DRAWING NUMBER CHANGE TO 11012-4884, FORMAT CHANGES, TABLE CHANGES.	12/15/22	J.SCHAEFER

NOTES

- ALL ASSEMBLY WORK TO BE PERFORMED ACCORDING TO ANG-MFG-WI-00056 UNLESS OTHERWISE NOTED.
- SOLDERING TO BE PERFORMED ACCORDING TO IPC-J-STD-001, AS APPLICABLE.
- WORKMANSHIP TO BE PERFORMED ACCORDING TO IPC-A-620, CLASS 2.
- INCLUDE APPROPRIATE TEST DOCUMENTATION WITH EACH SHIPMENT.
- PIC SHIPSET NUMBER 11012-4884 INCLUDES ALL -AB-WX-YYYY-ZZ CABLE OPTIONS ON THIS DWG. TO ORDER INDIVIDUAL CABLE(S), SPECIFY ASSEMBLY CHARACTERISTICS AND DASH NUMBER(S) FOR EACH CABLE (E.G -11-11-0024-01, -11-12-0024-02, ETC.) SEE SHEET 4 FOR SPECIFIC NUMBERING SCHEME. AB-CABLE AND FREQUENCY(VSWR) REQ. WX-CONNECTOR ONE AND TWO SELECTION. YYYY-HARNESS LENGTH. ZZ-CABLE # IN SHIPSET.
- LABELS ARE PER MIL-DTL-23053/5-1XX-9 (CLASS 1 - WHITE). COVER LABELS WITH CLEAR HEAT SHRINK PER MIL-DTL-23053/5-2XX-C (CLASS 2 - CLEAR). LENGTH AND SIZE OF LABELS & CLEAR SHRINK AS REQUIRED. XXXXX ON LABEL = PIC WIRE & CABLE SERIAL NUMBER, AS APPLICABLE. UNLESS OTHERWISE SPECIFIED:  
 FOR ASSEMBLIES 12 INCHES OR SHORTER, APPLY ONE LABEL LOCATED AT END A.  
 FOR ASSEMBLIES LONGER THAN 12 INCHES, APPLY ONE LABEL TO EACH END.  
 FOR ASSEMBLIES WITH AN UNTERMINATED END, APPLY ONE LABEL TO TERMINATED END ONLY (REGARDLESS OF LENGTH).
- TOLERANCE IS +2"/-0" FOR ALL CABLE ASSEMBLIES  
 CUT LENGTH FOR STRAIGHT/90° TO UNTERMINATED ASSEMBLIES IS YYYY  
 CUT LENGTH FOR STRAIGHT TO STRAIGHT ASSEMBLIES IS YYYY-0.5"  
 CUT LENGTH FOR STRAIGHT TO 90° ASSEMBLIES IS YYYY-1"  
 CUT LENGTH FOR 90° TO 90° ASSEMBLIES IS YYYY-1"
- TEST REQUIREMENTS:  
 TEST FREQUENCY RANGE: FROM FREQUENCY RANGE SPECIFIED IN SECTION B OF TABLE 1 ON SHEET 4.  
 VSWR: 2.5 MAX FROM 0MHz TO 400MHz AND 2.0 MAX FROM 400MHz TO 970MHz.  
 INSERTION LOSS: 3 dB MAX ACROSS FREQUENCY RANGE.  
 TABLE 3 ON SHEET 4 IS INCLUDED FOR REFERENCE ONLY.  
 FOR ALL ASSEMBLIES TERMINATED ON ONE END ONLY: TEST FOR CONTINUITY AND SHORTS.
- CABLE MEASUREMENT (SEE SHEET 3):  
 FOR STRAIGHT TO STRAIGHT ASSEMBLIES, MEASURE FROM END OF CONNECTOR TO END OF CONNECTOR.  
 FOR STRAIGHT TO 90° ASSEMBLIES, MEASURE FROM END OF STRAIGHT CONNECTOR TO CENTER PIN OF 90° CONNECTOR.  
 FOR 90° TO 90° ASSEMBLIES, MEASURE FROM CENTER PIN TO CENTER PIN.  
 FOR STRIAIGHT UNTERMINATED ASSEMBLIES, MEASURE FROM END OF STRAIGHT CONNECTOR TO END OF CABLE.  
 FOR 90° UNTERMINATED ASSEMBLIES, MEASURE FROM CENTER PIN OF 90° CONNECTOR TO END OF CABLE.
- FOR ALL 90° TO 90° ASSEMBLIES, ASSEMBLE END A CONNECTOR AT A 12 O'CLOCK AND END B CONNECTOR AT 3 O'CLOCK ORIENTATION.



A/R	-	-	RNF-100-3/8-CL-SP	TE SHRINK TUBE, CLEAR	25
-	A/R	A/R	RNF-100-1/2-CL-SP	TE SHRINK TUBE, CLEAR	24
A/R	A/R	-	TTMS-MP-9.5-9	TE LABEL SHRINK TUBE, WHITE	23
-	-	A/R	TTMS-MP-12.7-9	TE LABEL SHRINK TUBE, WHITE	22
A/R	-	-	190313	BNC 90° PLUG	21
-	A/R	-	190613	BNC 90° PLUG	20
-	-	A/R	190413	BNC 90° PLUG	19
A/R	-	-	190311	N TYPE 90° PLUG	18
-	A/R	-	190611	N TYPE 90° PLUG	17
-	-	A/R	190411	N TYPE 90° PLUG	16
A/R	-	-	190309	TNC 90° PLUG	15
-	A/R	-	190609	TNC 90° PLUG	14
-	-	A/R	190409	TNC 90° PLUG	13
A/R	-	-	190312	BNC STRAIGHT PLUG	12
-	A/R	-	190612	BNC STRAIGHT PLUG	11
-	-	A/R	190412	BNC STRAIGHT PLUG	10
A/R	-	-	190310	N TYPE STRAIGHT PLUG	9
-	A/R	-	190610	N TYPE STRAIGHT PLUG	8
-	-	A/R	190410	N TYPE STRAIGHT PLUG	7
A/R	-	-	190308	TNC STRAIGHT PLUG	6
-	A/R	-	190608	TNC STRAIGHT PLUG	5
-	-	A/R	190408	TNC STRAIGHT PLUG	4
A/R	-	-	S33141	50 OHM LOW LOSS COAXIAL CABLE	3
-	A/R	-	S55122	50 OHM LOW LOSS COAXIAL CABLE	2
-	-	A/R	UH22089	50 OHM ULTRA LIGHT WEIGHT, LOW LOSS COAXIAL CABLE	1
QTY			PART NO	DESCRIPTION	ITEM NO
-ZZ	-ZZ	-ZZ	PARTS LIST		

TOLERANCES:  
 .X.....±0.25  
 .XX.....±0.05  
 .XXX.....±0.005  
 ANGLES.....±0.5°

UNLESS OTHERWISE SPECIFIED, DRAWING UNITS ARE IN INCHES

REVISION SIGNATURES		DATE
ISSUED	D.ATLAS	12/15/22
CHECKED	F.BISHARA	12/15/22
APPROVED	J.SCHAEFER	12/15/22

UNLESS OTHERWISE SPECIFIED, DRAWING IS IN THIRD ANGLE PROJECTION (US STANDARD)

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**CANYON AEROCONNECT TACTICAL RADIOS RT5000**

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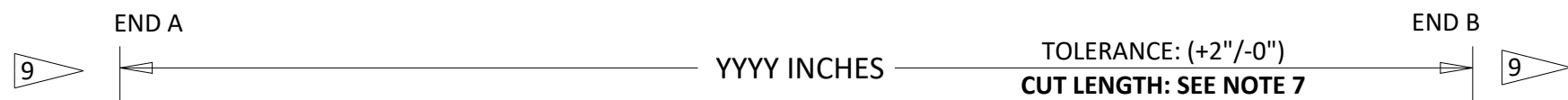
DWG NO	REV
11012-4884	1
INTERPRET DRAWING: PER ASME Y14.100-2004 DIM AND TOL PER ASME Y14.5-2009	CAGE SHEET
0BCW9	1 OF 4

1 2 3 4 5 6 7 8

A

A

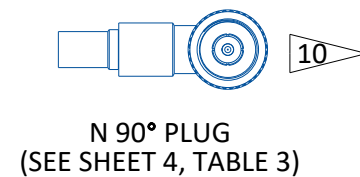
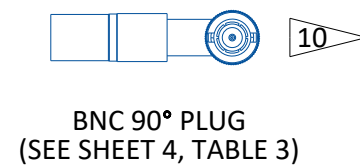
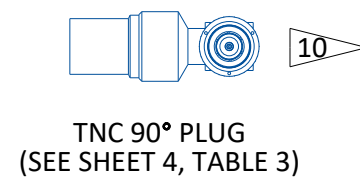
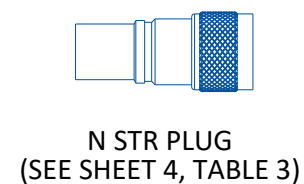
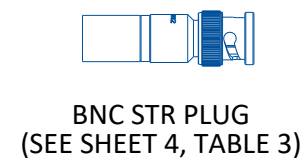
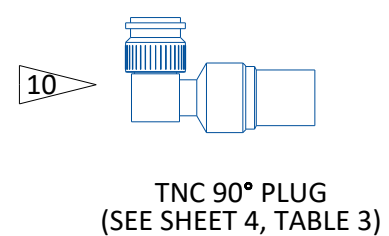
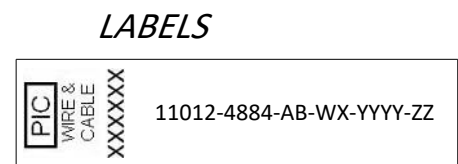
### PIC P/N 11012-4884-AB-WX-YYYY-ZZ



TNC STR PLUG  
(SEE SHEET 4, TABLE 3)

CABLE P/N  
(SEE SHEET 4, TABLE 3)

TNC STR PLUG  
(SEE SHEET 4, TABLE 3)



B

B

C

C

D

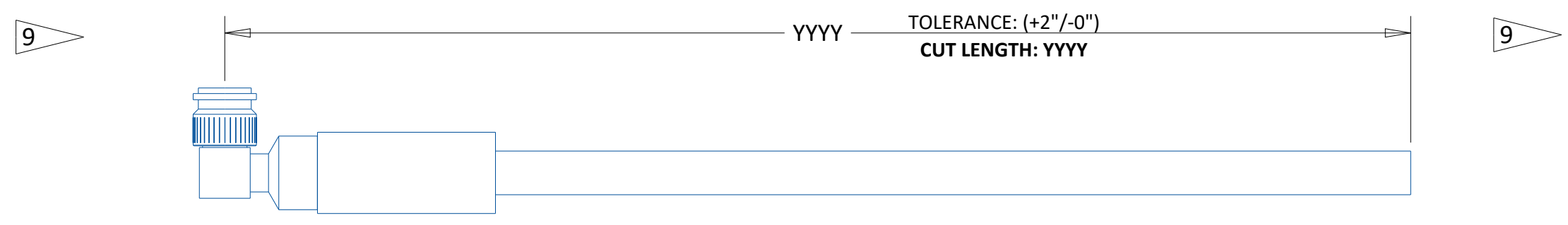
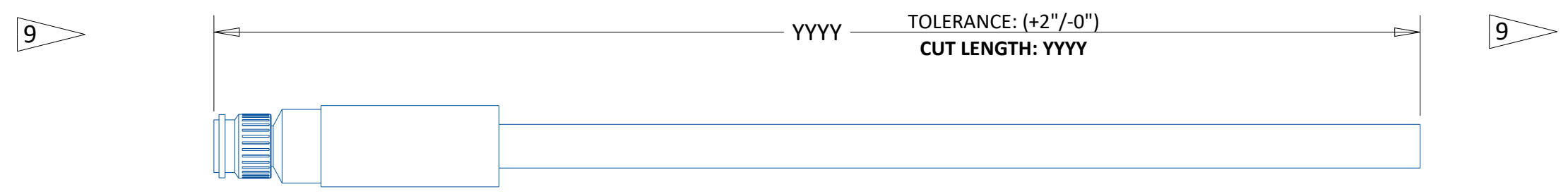
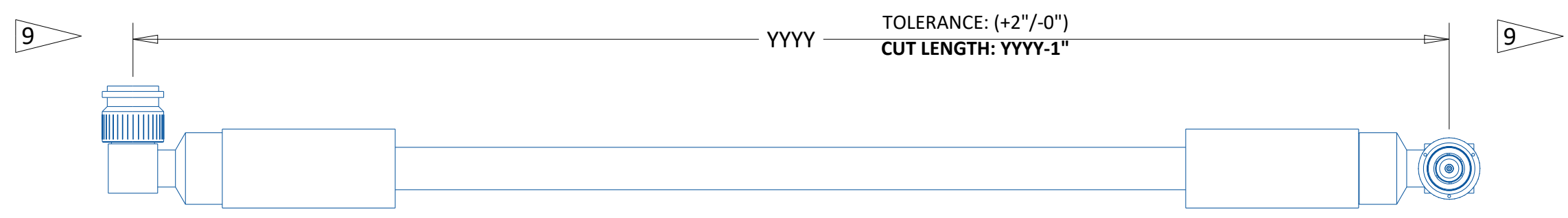
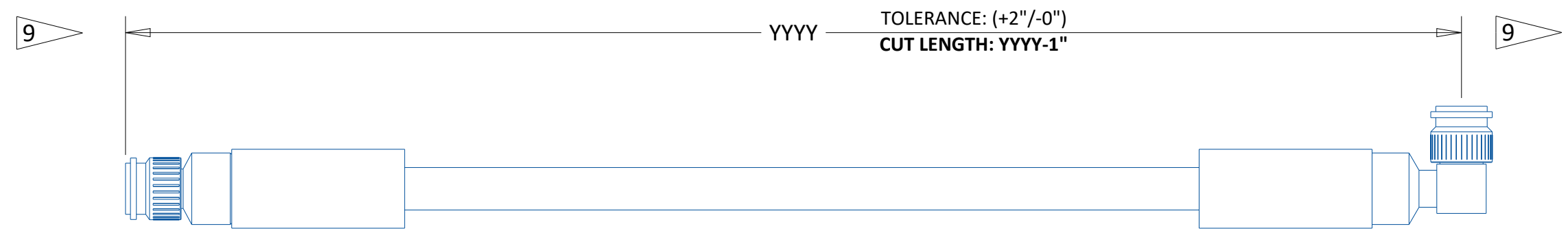
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DWG NO	REV
11012-4884	1
INTERPRET DRAWING: PER ASME Y14.100-2004 DIM AND TOL PER ASME Y14.5-2009	CAGE 0BCW9
	SHEET 2 OF 4

1 2 3 4 5 6 7 8

1 2 3 4 5 6 7 8

CUT LENGTH-REFERENCE ONLY



A

A

B

B

C

C

D

D

1 2 3 4 5 6 7 8

DWG NO	11012-4884	REV	1
INTERPRET DRAWING: PER ASME Y14.100-2004 DIM AND TOL PER ASME Y14.5-2009	CAGE 0BCW9	SHEET	3 OF 4

**PART NUMBERING = 11012-4884-AB-WX-YYYY-ZZ**

**TABLE 1**

SYSTEM	AB = CABLE AND FREQUENCY BAND (VSWR)				WX = CONNECTOR SELECTION				YYYY = LENGTH		ZZ = CABLE #	
	A	CABLE SELCTION	B	FREQ MHz (VSWR) REQ	W	END A	X	END B	YYYY	LENGTH	ZZ	# IN SYSTEM
RT5000	1	UH22089	1	32-960 (2.5:1/2.0:1)	1	TNC STR	1	TNC STR	0001	1"	01	1
	2	S55122	2	137-174 (2.5:1)	2	TNC 90	2	BNC STR	....	....	02	2
	3	S33141	3	380-520 (2.5:1/2.0:1)			3	N STR	9999	9999"	03	3
			4	764-970 (2.0:1)			4	TNC 90				
							5	BNC 90				
							6	N 90				
					7	UNTERMINATED						

**TABLE 2**

CABLE SELECTION FOR ASSEMBLY (FLEXCOMM 5000 SERIES)						
(MAX LENGTH SHOWN BELOW IN INCHES, MAX INSERTION LOSS IS 3 dB, MAX VSWR IS SHOWN BELOW)						
FOR MULTIBAND CABLES THAT COVER FREQUENCIES ABOVE AND BELOW 400 MHz TESTING IS TO BE CONDUCTED AT BOTH 2:1 AND 2.5:1 VSWR						
CABLE	AWG	OD	0 < 399 MHz MAX 2:1 VSWR	0 < 399 MHz MAX 2:5.1 VSWR	400 < 970 MHz MAX 2:1 VSWR	400 < 970 MHz MAX 2.5:1 VSWR
UH22089	10	0.435	1176	990	717	599
S55122	12	0.310	802	675	489	409
S33141	14	0.270	606	510	371	310

**TABLE 3**

CONNECTOR PART NUMBERS CROSS REFERENCE						
CABLE	TNC STRAIGHT	N STRAIGHT	BNC STRAIGHT	TNC 90	N 90	BNC 90
UH22089	190408	190410	190412	190409	190411	190413
S55122	190608	190610	190612	190609	190611	190613
S33141	190308	190310	190312	190309	190311	190313