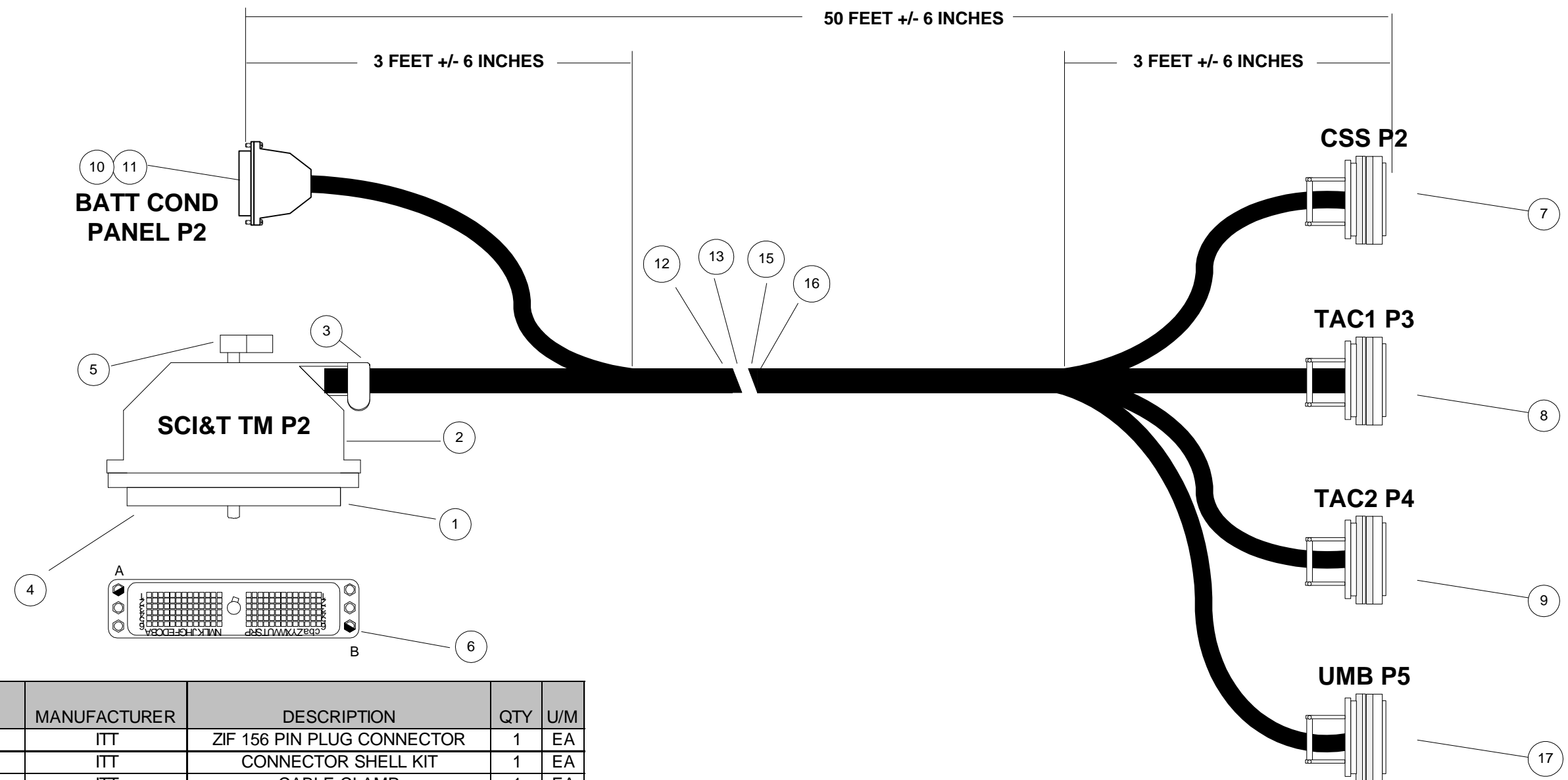


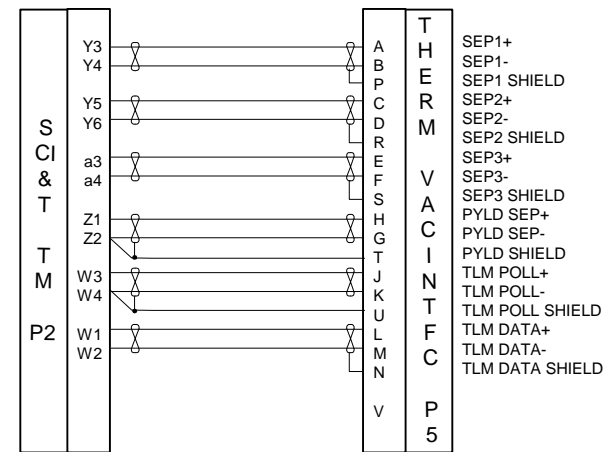
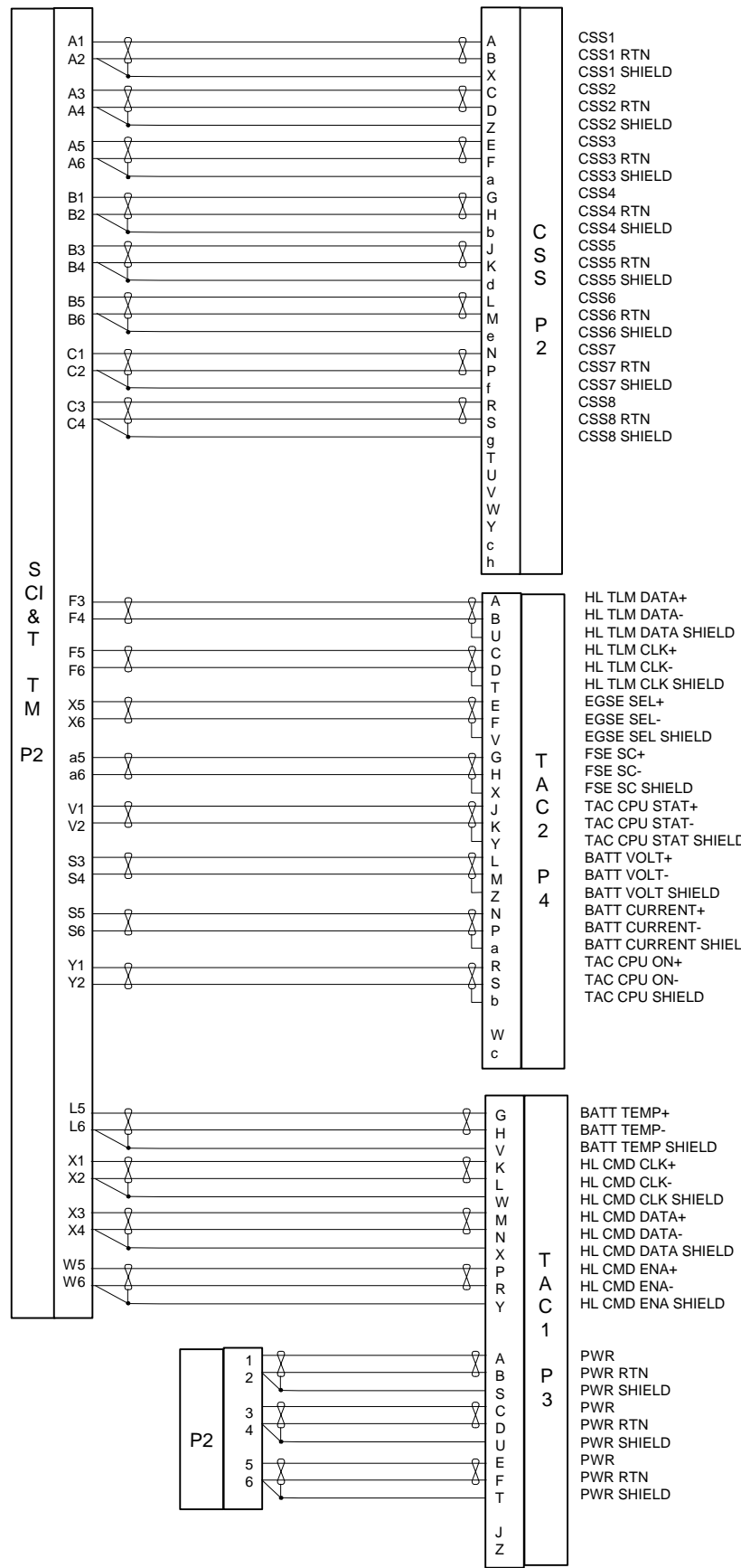
REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	-	RELEASE PER 1110-EC-G15754	6/18/99	K.Ball
	A	UPDATE PER 1110-EC-G16422		



REF DES	PART NUMBER	MANUFACTURER	DESCRIPTION	QTY	U/M
ITEM001	DL1-156P	ITT	ZIF 156 PIN PLUG CONNECTOR	1	EA
ITEM002	249-1950-000	ITT	CONNECTOR SHELL KIT	1	EA
ITEM003	218-0179-000	ITT	CABLE CLAMP	1	EA
ITEM004	030-2409-003	ITT	20-22 AWG PLUG CONTACTS	156	EA
ITEM005	204-0016-000	ITT	HANDLE	1	EA
ITEM006	320-0021-006	ITT	POLARIZING POST	2	EA
ITEM007	MS3121F-20-41S	ITT	CIRC. CONNECTOR, 41S, 20 SHELL	1	EA
ITEM008	MS3121F-16-23S	ITT	CIRC. CONNECTOR, 23S, 16 SHELL	1	EA
ITEM009	MS3121F-16-26S	ITT	CIRC. CONNECTOR, 26S, 16 SHELL	1	EA
ITEM010	205560-2	AMP	CONNECTOR, D-SUB, 25 PIN PLUG	1	EA
ITEM011	748676-3	AMP	BACKSHELL, SIZE 3	1	EA
ITEM012	M22759/16-22-9	YES	WIRE, 22 AWG, STRANDED	1500	FT
ITEM013	M27500-20-TE-2-T-14-9	YES	Wire, 20 AWG twisted shielded pair	1500	FT
ITEM014	H-ML-8	SUMITO ELECTRIC	SOLDER SLEEVE	29	EA
ITEM015	GRP-110-3/4	YES	NYLON SLEEVING	50	FT
ITEM016	GRP-110-1/2	YES	NYLON SLEEVING	18	FT
ITEM017	MS3121F-14-19P	ITT	CIRC. CONNECTOR, 19P, 14 SHELL	1	EA

LABEL WITH PART NUMBER AND SERIAL NUMBER
 Note: Substitution allowed with Engineering Approval

CONTRACT NO.		SPECTRUM ASTRO		1440 N. FIESTA BLVD. GILBERT, AZ 85233	
APPROVALS	DATE	TITLE			
DRAWN G.LITTLE	6/10/99	SCI&T TM CABLE			
CHECK		SIZE	FSCM NO.	DWG. NO.	REV.
ENG		B	0T9D1	AE-315713	A
NEXT	FINAL	SCALE	FILE	SHEET 1 OF 3	
QTY / ASSY	APPLICATION		SCI&T TM CABLE.vsd		



CONTRACT NO.		SPECTRUM ASTRO		1440 N. FIESTA BLVD. GILBERT, AZ 85233	
APPROVALS	DATE	TITLE			
DRAWN G.LITTLE	6/10/99	SCI&T TM CABLE			
CHECK		SIZE	FSCM NO.	DWG. NO.	REV.
ENG		B	0T9D1	AE-315713	A
NEXT	FINAL	SCALE		FILE	SHEET 2 OF 3
QTY / ASSY	NEXT ASSY	APPLICATION		SCI&T TM CABLE.vsd	
	USED ON				
	QA				

	A	B	C	D	E	F	G	H	J	K	L	M	N
6	CSS3 RTN	CSS6 RTN				HL TLM CLK-					BATT TEMP-		
	P2-F	P2-M				P4-D					P3-H		
5	CSS3	CSS6				HL TLM CLK+					BATT TEMP+		
	P2-E	P2-L				P4-C					P3-G		
4	CSS2 RTN	CSS5 RTN	CSS8 RTN			HL TLM DATA-							
	P2-D	P2-K	P2-S			P4-B							
3	CSS2	CSS5	CSS8			HL TLM DATA+							
	P2-C	P2-J	P2-R			P4-A							
2	CSS1RTN	CSS4 RTN	CSS7 RTN										
	P2-B	P2-H	P2-P										
1	CSS1	CSS4	CSS7										
	P2-A	P2-G	P2-N										

B.O.B. LAYOUT FOR P2 INTERFACES

	P	R	S	T	U	V	W	X	Y	Z	a	b	c
6			BATT CURRENT-				HL ENA-	EGSE SEL-	SEP2-		FSE SC-		
			P4-P				P3-R	P4-F	P5-D		P4-H		
5			BATT CURRENT+				HL ENA+	EGSE SEL+	SEP2+		FSE SC+		
			P4-N				P3-P	P4-E	P5-C		P4-G		
4			BATT VOLT-				SEP2-	HL CMD DATA-	SEP1-		SEP3-		
			P4-M				P5-D	P3-N	P5-B		P5-F		
3			BATT VOLT+				SEP2+	HL CMD DATA+	SEP1+		SEP3+		
			P4-L				P5-C	P3-M	P5-A		P5-E		
2						TAC CPU STAT-	SEP1-	HL CMD CLK-	TAC CPU ON-	PYLD SEP-			
						P4-K	P5-B	P3-L	P4-S	P5-H			
1						TAC CPU STAT+	SEP1+	HL CMD CLK+	TAC CPU ON+	PYLD SEP+			
						P4-J	P5-A	P3-K	P4-R	P5-G			

CONTRACT NO.		SPECTRUM ASTRO		1440 N. FIESTA BLVD. GILBERT, AZ 85233	
APPROVALS	DATE	TITLE			
DRAWN G.LITTLE	6/10/99	SCI&T TM CABLE			
CHECK					
ENG		SIZE B	FSCM NO. 0T9D1	DWG. NO. AE-315713	REV. A
NEXT QTY / ASSY	FINAL	NEXT ASSY	USED ON	QA	SCALE
APPLICATION		FILE		SHEET 3 OF 3	