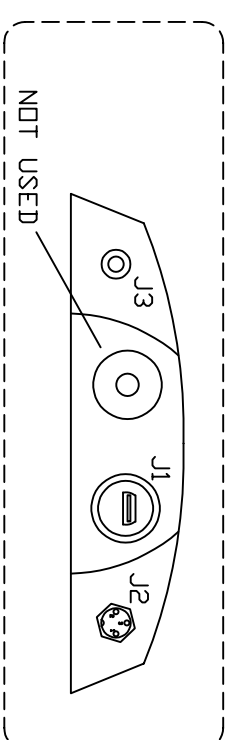


NOTES:

- 1) IF AFF CIRCUIT BREAKER IS NOT PREVIOUSLY INSTALLED, LOCATE CIRCUIT BREAKER ITEM 14 IN FORWARD CB PANEL, LOWER RAIL AND LABEL AS SHOWN. PLACARD TO HAVE .13 HIGH TEXT IN CONTRASTING COLOR TO THE BACKGROUND. PLACARD SHALL NOT BE EASILY DISFIGURED OR OBSCURED. EXISTING AFF CIRCUIT BREAKER MAY BE UTILIZED IF ALREADY INSTALLED.
- 2) PICK UP EXISTING GROUND STUD (DO NOT EXCEED 3 TERMINATION) OR BUILDUP GROUND STUD PER AC 43.13 SECTION 3, PARA. 452 OR MIL-W-5088 SECTION 3.12. ENSURE THAT SYSTEM TYPE (I.E. AC, DC, STATIC) ARE NOT MIXED.
- 3) INSTALL SHIELD TERMINATION (ITEM 8) PER TE CONNECTIVITY SPECIFICATION RCPs-100-70. GROUND SHIELD DRAIN (ITEM 8) PER NOTE 2. SHIELD DRAIN SHOULD BE KEPT AS SHORT AS PRACTICAL AND SHALL NOT EXCEED 6 INCHES. USE ITEM 8 WITH ITEM 6 CABLE AND ITEM 10 CABLE.
- 4) EXISTING EQUIPMENT.
- 5) ROUTE ATU WIRES PER THE FOLLOWING GUIDANCE:
  - 1) RESERVED
  - 2) THESE WIRES IF ROUTED NEAR FUEL OR HYDRAULIC LINES MUST BE POSITIVELY SEPARATED BY 6 INCHES OR BY TWO LOOP CLAMPS PER AC 43.13-1B SECTION 11-126.
  - 3) USE ITEMS 13 TO SECURE AND PROTECT WIRES.
  - 4) GENERAL ROUTING GUIDANCE:
    - PICK UP EXISTING WIRE RUNS BY OPENING EXISTING CABLE CLAMPS.
    - NYLON TIES ALONE MAY NOT BE USED FOR PRIMARY SUPPORT.
    - NEW WIRE RUNS SHOULD BE SUPPORTED WITH MS21919WDG(SIZE) LOOP CLAMPS.
    - THE DISTANCE BETWEEN SUPPORTS SHOULD NOT EXCEED 21 INCHES.
    - BEND RADIUS OF WIRE OR HARNESS MUST BE GREATER THAN 10 TIMES THE WIRE OR HARNESS DIAMETER.
    - INSPECT AND VERIFY THAT THE WIRE HARNESS MAY NOT BE MANUALLY DEFLECTED INTO A STRUCTURE WITH A BEND RADIUS LESS THAN .125".
    - 5) STAGGER ALL SPLICES TO REDUCE BUILD UP OF HARNESS DIAMETER.
- 6) LABEL SHIP SIDE CONNECTOR AS SHOWN.
- 7) INSTALL ANTENNA ON UPPER PORTION OF CABIN CENTER LINE MAINTAINING 24 INCHES OF SEPERATION FROM OTHER ANTENNAS PER AC 43-13-2A SECTION 38. THE ANTENNA SHALL BE PROPERLY BONDED TO THE AIRCRAFT GROUND PLANE (<2.5 mill\_ohm) TO AID IN ELIMINATING UNWANTED INTERFERENCE. SURFACE PREPARATION SHOULD INCLUDE THE USE OF ALODINE 1001 OR SIMILAR.
- 8) SET C-39 AUX. OUTPUT SCALE TO 8800 AT 5V PER MANUAL 606-E1-100.
- 9) THIS CONNECTOR MAY BE PROVIDED IN AFF SPIDERTRACKS KIT IF UTILIZED CUT CABLE TO 6 INCHES AND SPLICE IN (PER NOTE 17) ITEM 5 WIRES AND DISCARD CIGARETTE LIGHTER PORTION.
- 10) STAGGER THESE SPLICES TO AVOID DIAMETER BUILDUP. COVER ALL 3 SPLICES WITH ITEM 18 SHRINK SLEEVE. EXTENDING 1 INCH BEYOND SPLICE AREA. LOCATE SPLICE AREA WITHIN 12 INCHES OF ITEM 4 (AFF)
- 11) RESERVED
- 12) ALL WIRE IS ITEM 5 UNLESS OTHERWISE NOTED.
- 13) PRIOR TO INSTALLATION, LABEL ITEM 4 RECEPTACLES AS SHOWN IN DETAIL B. OBSCURE ITEM 4 GREEN LEDS (3 PLACES) (ON TOP OF UNIT) WITH A SELF-ADHESIVE PLACARD TO PRECLUDE CLARE ON WINDSCREEN. NOTE: FRMWARE 28.4.2 OR LATER IS REQUIRED.
- 14) INSTALL ITEM 4 BY MATCH DRILLING THE .120 DIA. HOLES (4 PLACES) IN THE ITEM 4 MOUNT PLATE ONTO THE STRUCTURE LOCATED PER SHEET 5.

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
IR	SAMPLE		



- 15) OPTIONAL: MS26574-1
- 16) INSTALL PER MANUAL 606-E1-001 AT THE LOCATION SHOWN ON SH5. FRMWARE: 606-S1-004-MOD1 ]
- 17) CREATE LAP SPLICES BY OVERLAYING .5" OF EXPOSED CONDUCTORS. SOLDER THIS OVERLAY USING KESTER 603-571 SNGO SOLDER OR EQUIVALENT WITH AN IRON TEMP OF 700-800°F. COVER THIS SOLDER SPLICE (AND COMPONENT) WITH MIL-T-81786/4 OR EQUIVALENT SHRINK SLEEVE. VERIFY THAT LAP JOINT IS NOT PITTED OR GRAY AFTER SOLDERING. OPTIONALLY INSTALL ENV. SPLICES.
- 18) OPTIONAL PART REQUIRED FOR 6000S8 EXTERNAL ANTENNA CONFIGURATION. EXTERNAL ANTENNA IS OPTIONAL AT INSTALLERS DISCRETION, DO NOT INSTALL ITEMS 12, 15, 19 AND 20 IF EXTERNAL OPTION NOT UTILIZED.

CUSTOMER CONFIGURATION	SAMPLE
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DRAWN BY M. RENOIDS CHECKED BY D. BARTON DATE 09/18/18 TOLERANCES .XX = .06 .XXX = .03 UNLESS OTHERWISE NOTED	DATE 09/18/18 3245 75th Ave SE, Olympia WA 98501 ADDITIONAL TELEMETRY UNIT (ATU) WIRE DIAGRAM (KMAX)	ENGINEERING CHANGE ORDER DWG NO. SIZE B SCALE NTS SHEET 1 OF 5 REV. IR
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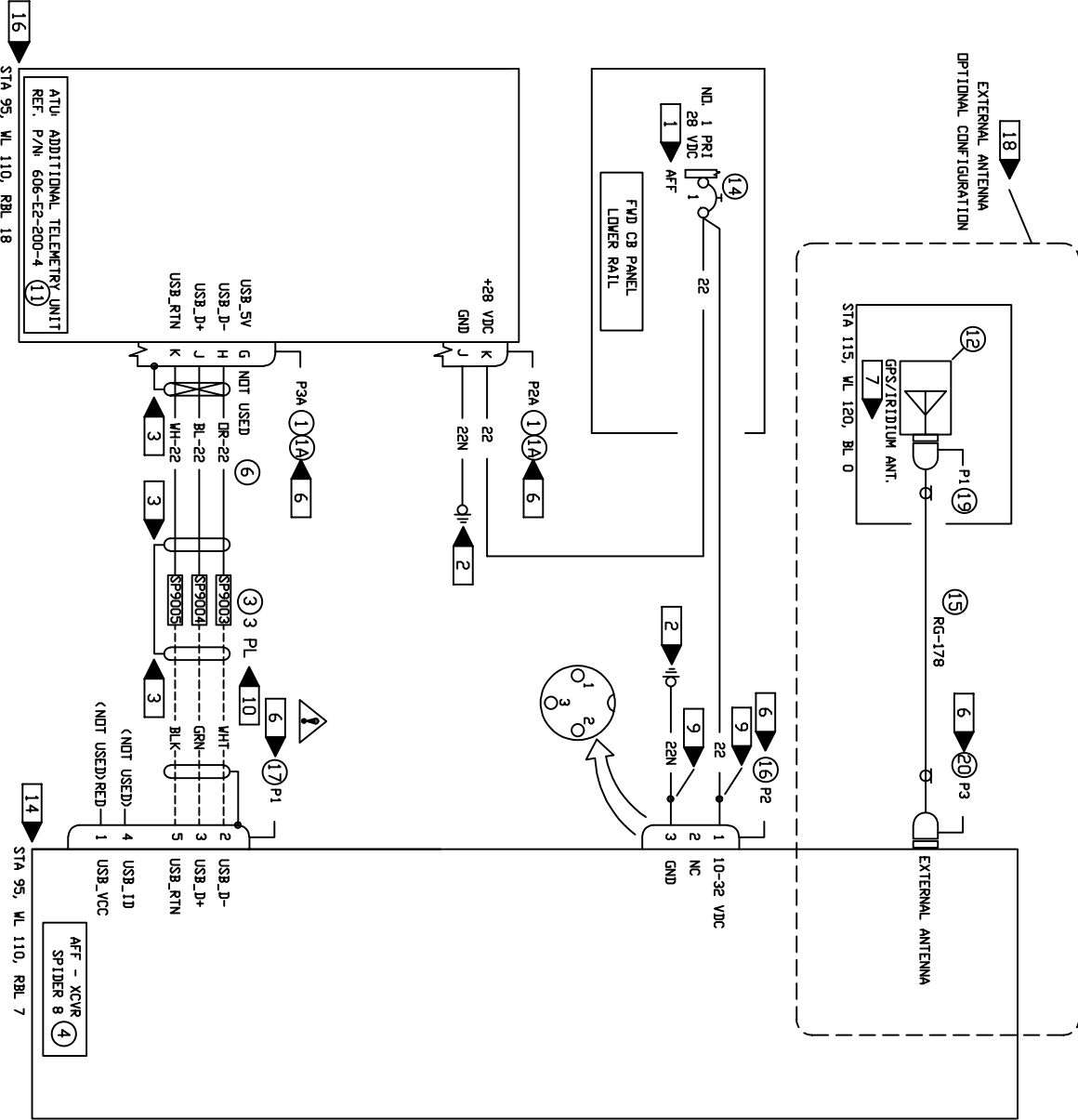
**Olympic Aero Services, Inc.**  
 3245 75th Ave SE, Olympia WA 98501  
 ADDITIONAL TELEMETRY UNIT (ATU)  
 WIRE DIAGRAM (KMAX)

PARTS LIST					
ITEM	DESCRIPTION	QTY	PART NUMBER	VENDOR/SPECIFICATION	
1	CONNECTOR-PLUG	2	MS3476L12-10S	OPTIONAL: PT06A12-10S-SR (1A NOT ROD)	
1A	BACKSHELL	2	M85049/52-1-12N		
2	CONNECTOR-PLUG	1	MS3476L14-19S	OPTIONAL: PT06A14-19S-SR (2A NOT ROD)	
2A	BACKSHELL	1	M85049/52-1-14N		
3	ENVIRONMENTAL SPLICE	3	D-436-37	M81824/1-2	
4	AFF-SPIDER 8	1	6000S8 (int) or (ext)	SPIDER TRACKS LIMITED	
5	WIRE-SINGLE CONDUCTOR-22 AWG	AR	M22759/16-22	OPTIONAL: M27500-22TG3T14	
6	WIRE-SHIELDED 3 COND.	AR	M27500-22TE3T14		
7	RESERVED				
8	SHIELD TERMINATION SHIELD TERMINATION (OPTIONAL)	7 (7)	S02-04-R S063-4-55-22-90	RAYCHEM (MEETS M83519/2)	
9	RESERVED				
10	WIRE-SHIELDED 2 COND.	AR	M27500-22TE2T14	OPTIONAL: M27500-22TG2T14	
11	ADDITIONAL TELEMETRY UNIT	1	606-E2-200-4	OLYMPIC AERO SERVICES INC.	
12	IRIDIUM/GPS ANTENNA	(1)	S67-1575-109	SENSOR SYSTEMS	
13	NYLON TIE	AR	TYH, TV, TY, X, TYZ SERIES 7277-2-1	THOMAS AND BETTS KLIXON	
14	CIRCUIT BREAKER 1A	1	RG-178	RG-142 OPTIONAL	
15	COAXIAL CABLE	(AR)	99 3400 00 03	BINDER USA	
16	CONNECTOR-3 CONTACTS	(1)	PX0441	BULGIN (LENGTH AS REQUIRED)	
17	CONNECTOR-USB MINI B	1	RNF-100-1/4-BK-STK	TYCO ELECTRONICS	
18	SHRINK SLEEVE	AR	PE4448	PASTERNAK	
19	TNC COAXIAL CONNECTOR (RG178 CABLE)	(1)	PE4861	PASTERNAK	
20	SMA COAXIAL CONNECTOR (RG178 CABLE)	(1)	IN4007 OR EQUIV.		
21	GENERAL PURPOSE DIODE	1	0253002.M 0251001.MXL	LITTLEFUSE LITTLEFUSE	
22	FUSE WITH LEADS 125V 2A FM10A MII	1			
23	FUSE WITH LEADS 125V 1A FM10A MII (OPTIONAL)	(1)			
23	TVS DIODES 600W 33V BI-DIRECT	1	P6KE33CA-E3/54	VISHAY	

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DRAWN BY M. RENOULDS	DATE 09/18/18	3245 75th Ave SE, Olympia WA 98501	Olympic Aero Services, Inc.
CHECKED BY D. BARTON	DATE 09/18/18		
TOLERANCES X = .06 XX = .03 XXX = .005		ENGINEERING CHANGE ORDER	
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED		DWG NO.	REV. IR
SIZE B	SCALE NTS	SHEET 2	OF 5
ADDITIONAL TELEMETRY UNIT (ATU) WIRE DIAGRAM (KMAX)			

DO NOT USE THE USB CONNECTOR PROVIDED IN THE SPIDERTRACKS KIT--THE SYSTEM WILL NOT FUNCTION CORRECTLY. USE ITEM 17

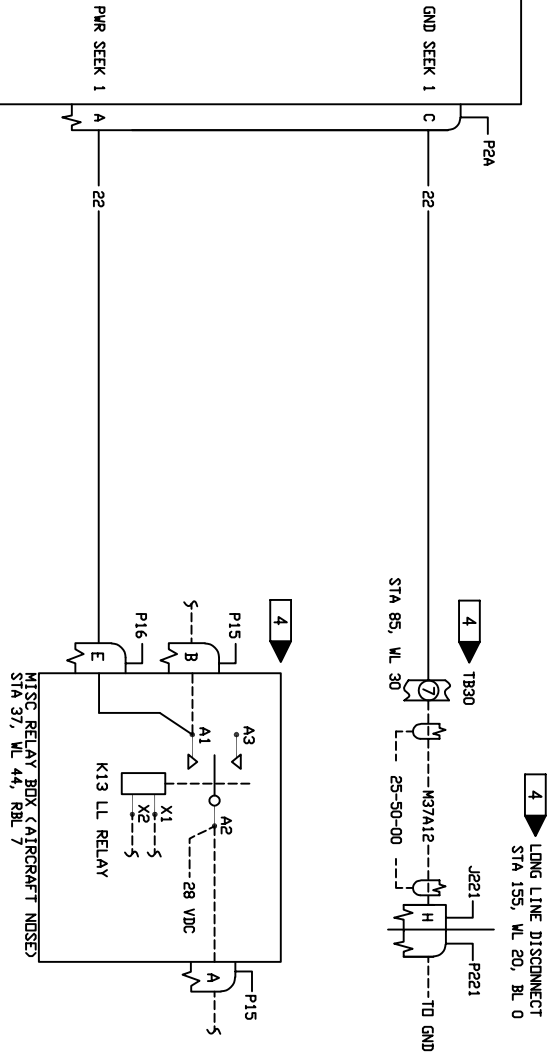


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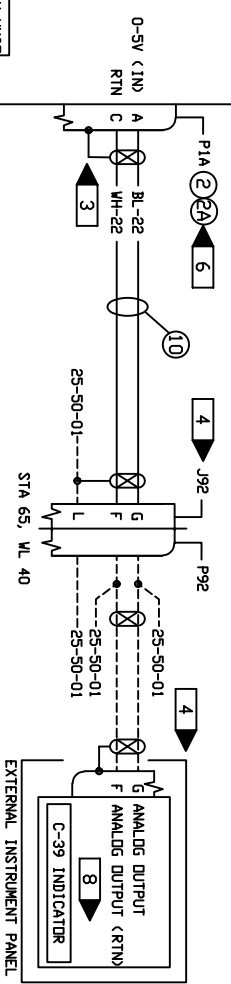
DRAWN BY	M. RENOVDS	DATE	09/18/18
CHECKED BY	D. BARTON	DATE	09/18/18
DECIMAL ANGULAR TOLERANCES	X = .06	EXCEPT AS NOTED	
	.XX = .08		
	.XXX = .005		
ENGINEERING CHANGE ORDER		DWG NO.	3245
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED		SIZE	B
		SCALE	NTS
		SHEET	3 OF 5
		REV.	IR

**Olympic Aero Services, Inc.**  
3245 75th Ave SE, Olympia WA 98501

ADDITIONAL TELEMETRY UNIT (ATU)  
WIRE DIAGRAM (KMAX)



4 LONG LINE DISCONNECT  
 STA 155, WL 20, BL 0

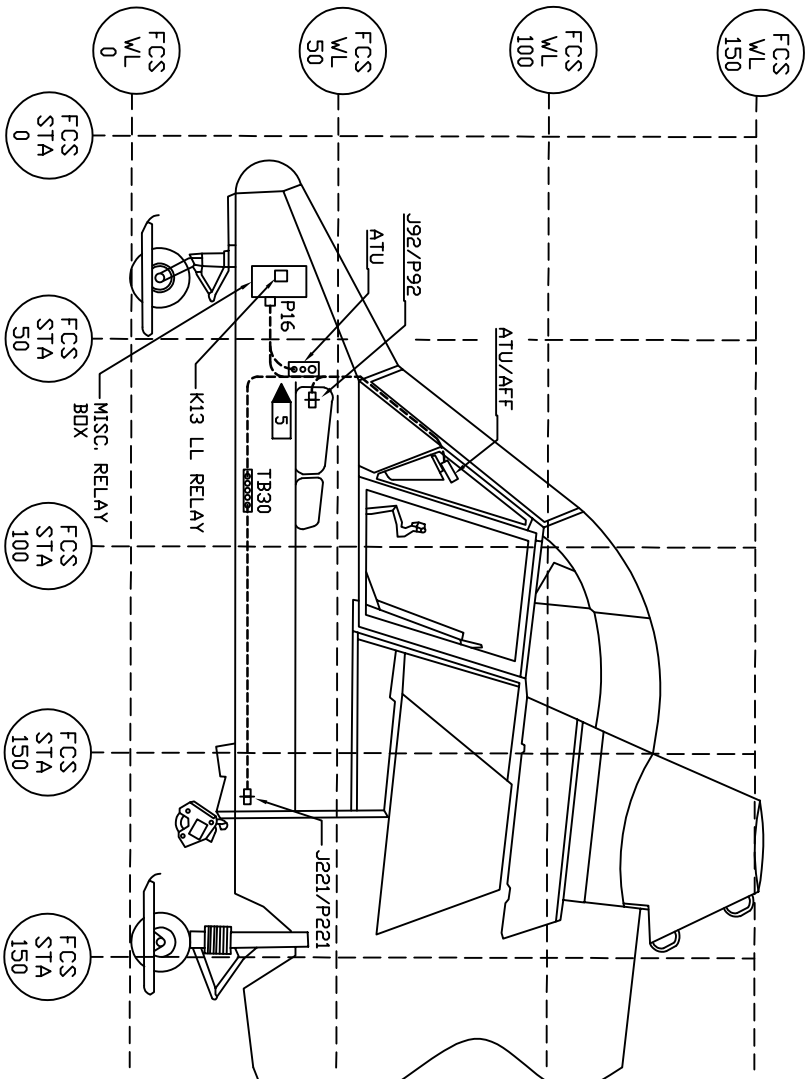


ATU ADDITIONAL TELEMETRY UNIT  
 REF. P/N: 606-E2-200-4

STA 95, WL 110, RBL 18

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CHECKED BY D. BARTON	DATE 09/18/18		
TOLERANCES: X = .06 .XX = .03 .XXX = .005 DECIMAL ANGULAR EXCEPT AS NOTED		ADDITIONAL TELEMETRY UNIT (ATU) WIRE DIAGRAM (KMAX)	
ENGINEERING CHANGE ORDER		DWG NO.	SAMPLE
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED		SIZE B	SCALE NTS
		SHEET 4	OF 5
		REV. R	



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CHECKED BY <b>D. BARTON</b>	DATE <b>09/18/18</b>	
TOLERANCES: X = .06 .XX = .03 .XXX = .005 ANGULAR EXCEPT AS NOTED		DWG NO. <b>3245-75th Ave SE, Olympia WA 98501</b> ADDITIONAL TELEMETRY UNIT (ATU) WIRE DIAGRAM (KMAX)
ENGINEERING CHANGE ORDER		
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED	SIZE <b>B</b>	SCALE <b>NTS</b>
SAMPLE		SHEET <b>5</b> OF <b>5</b>
REV. <b>IR</b>		