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NOTES:

- 1) ALL WIRE IAW MIL-W-22759/34 UNLESS OTHERWISE SPECIFIED.
- 2) ALL CABLE IAW MIL-C-27500 UNLESS OTHERWISE SPECIFIED.
- 3) ALL JUMPER WIRE 22 AWG UNLESS OTHERWISE NOTED.
- 4) ALL COAXIAL CABLE IAW MIL-C-17 UNLESS OTHERWISE SPECIFIED.
- 5) PERFORM ALL WORK IAW STANDARD PRACTICES OF AC 43.13-1B/2A (OR LATER APPLICABLE REVISION):


AIRCRAFT HARDWARE	AC 43.13-1B CHAPTER 7
AIRCRAFT ELECTRICAL SYSTEMS	AC 43.13-1B CHAPTER 11
RADIO INSTALLATIONS	AC 43.13-2A CHAPTER 2
ANTENNA INSTALLATIONS	AC 43.13-2A CHAPTER 3
ADDING OR RELOCATING INSTRUMENTS	AC 43.13-2A CHAPTER 11

6) DENOTES MIL-S-81824/1-X SPLICE  UNLESS OTHERWISE SPECIFIED.


 THE MEMORY UP/DOWN PUSH BUTTONS ARE OPTIONAL. USE EATON P/N BW9001BB OR EQUIVALENT.

 THIS INPUT IS FOR BOTH 28 VDC AND 5 VAC PANEL LIGHTING. SELECT THE APPROPRIATE VOLTAGE IN THE CONFIGURATION MENU. SEE PARA 2.18 OF INSTALL MANUAL.

 CONNECT TO THE APPROPRIATE AIRCRAFT DIMMING BUS.


 FOR ALTERNATIVE AUDIO PANELS REFER TO THE AUDIO PANEL INSTALLATION MANUAL.

 USE ANY AVAILABLE SPACE ON THE 28 VDC BUS PP6.


 INSTALLATION LOCATION TO BE INSTRUMENT PANEL OR PEDESTAL. REFER TO TECHNISONIC INDUSTRIES LTD. INSTALLATION & OPERATING INSTRUCTIONS TIL DOCUMENT No. 08RE398 (TDFM-136B) FOR MODEL VARIATIONS.

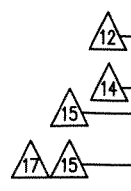
13) PERFORM POST INSTALLATION EMI TEST IAW TECHNISONIC INSTALLATION & OPERATING INSTRUCTIONS TIL DOCUMENT No. 08RE398 (TDFM-136B) APPENDIX "A".

 QTY 1 REQUIRED FOR INSTALLATION. QTY 1 REQUIRED FOR SPARE.

 TDFM-136B MODEL VARIANTS MAY HAVE PROVISION FOR SECOND ANTENNA INTERFACE. REFER TO TECHNISONIC INSTALLATION & OPERATING INSTRUCTIONS TIL 08RE398 FOR VARIANTS USING QTY 2 ITEMS 4 AND 6.

16) NEW WIRE BUNDLES TO BE INSTALLED WITH A 2-INCH SEPARATION WHERE POSSIBLE FROM EXISTING OR OTHER WIRE BUNDLES. MAINTAIN A 2-INCH DISTANCE FROM THE AIRCRAFT SKIN ATTACHING TO FRAMES OR STRINGERS. USE APPROPRIATE SPACERS, STANDOFFS AND CUSHION CLAMPS. MAINTAIN A MINIMUM 6-INCH SEPARATION FROM FUEL QUANTITY INDICATING WIRING.

 THE HIGH-PASS FILTER IS AN OPTIONAL INSTALLATION. WHEN USED IT MUST BE INSTALLED ON A SECONDARY STRUCTURE AND IN ACCORDANCE WITH TECHNISONIC INSTALLATION & OPERATING INSTRUCTIONS TIL 08RE398, REVISION B, ISSUE 2, OR LATER APPLICABLE REVISION.



QTY	ITEM	PART NUMBER	DESCRIPTION	SPEC	MATERIAL or ALTERNATE P/N
1	1	081252-(-)-()	TDFM-136B VHF FM COMMUNICATIONS TRANSCEIVER	TECHNISONIC INDUSTRIES LIMITED	-
1	2	949474-1	IN-150 INSTALLATION KIT	TECHNISONIC INDUSTRIES LIMITED	-
2	3	HA21-3U0	FUSE, 3 AMP	KLIXON	OR EQUIVALENT
(1)	4	CI-293-3	VHF ANTENNA, 136 TO 174 MHZ	COMANT INDUSTRIES	-
A/R	5	RG-142/U	COAX CABLE		OR EQUIVALENT
1	6	133956-1	HIGH-PASS FILTER	TECHNISONIC INDUSTRIES LIMITED	-
2	7	CBS722	BNC STRAIGHT CONNECTOR	ECS	OR EQUIVALENT

POWER REQUIREMENT

UNIT	MINIMUM CURRENT DRAW	MAXIMUM CURRENT DRAW
TDFM-136B TRANSCEIVER	700 mA	2.0 A

REVISION STATUS	
SHEET	REVISION
01	A
02	A

AVIONICS DESIGN SERVICES LTD
RELEASED

A	N/C	REVISION	DESCRIPTION
ADDED ITEMS 6 & 7 TO BOM. AMENDED NOTE 15. ADDED NOTE 17.	INITIAL RELEASE.		
T. LAFLAMME	R. MACDONALD	DRAWN	
27/11/13	12/11/02	DATE	
	R. COW	APPROVED	

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AVIONICS DESIGN SERVICES Ltd.
MIDLAND, ONTARIO, CANADA.

**TIL FM TRANSCEIVER
INSTALL, EC AS-350**

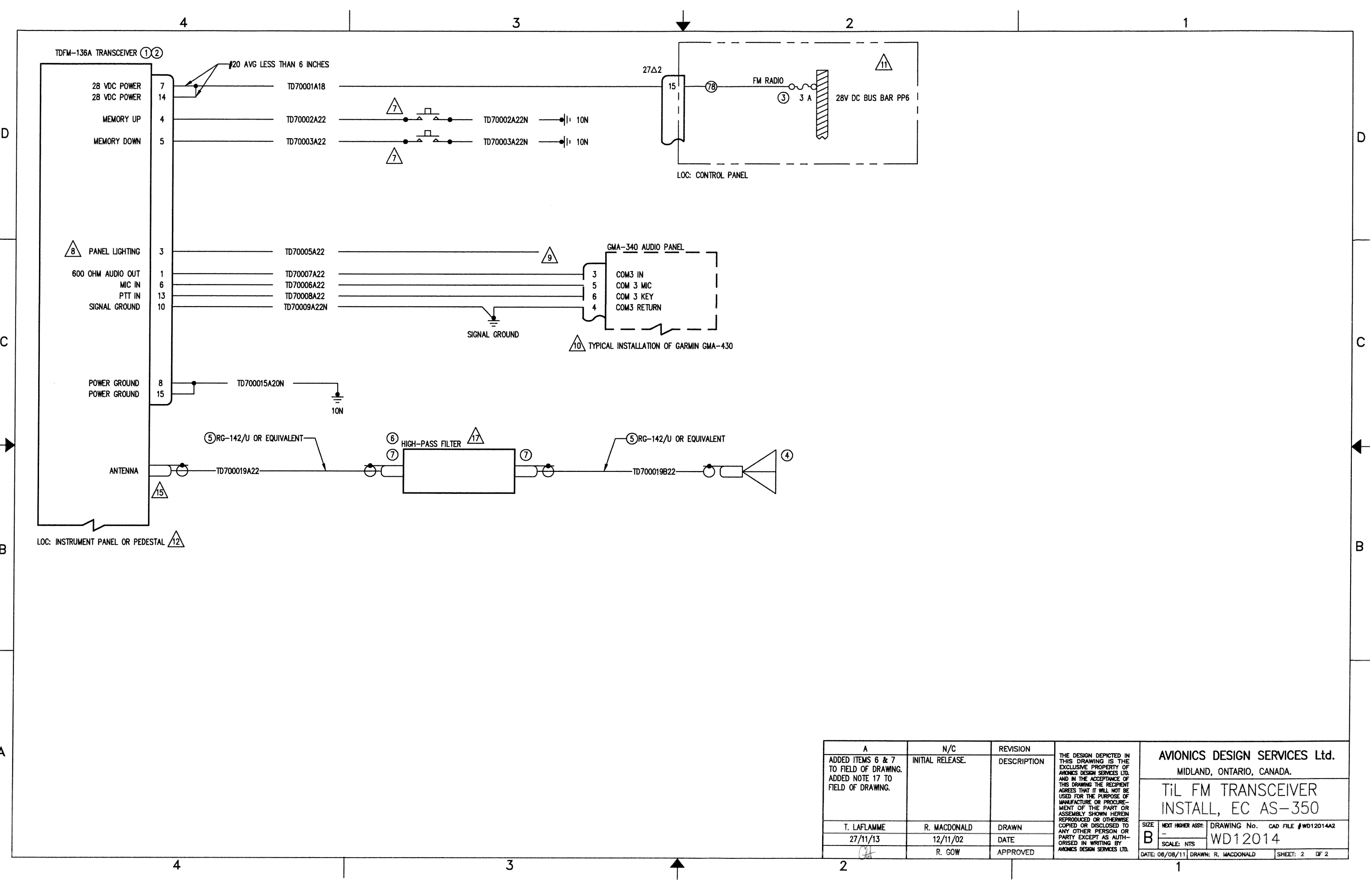
SIZE	NEXT HIGHER ASSY:	DRAWING No.	CAD FILE #
B	-	WD12014	#WD12014A1
SCALE: NTS		DATE: 06/06/11 DRAWN: R. MACDONALD SHEET: 1 OF 2	

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A	N/C	REVISION	
ADDED ITEMS 6 & 7 TO FIELD OF DRAWING. ADDED NOTE 17 TO FIELD OF DRAWING.	INITIAL RELEASE.	DESCRIPTION	THE DESIGN DEPICTED IN THIS DRAWING IS THE EXCLUSIVE PROPERTY OF AVIONICS DESIGN SERVICES LTD. AND IN THE ACCEPTANCE OF THIS DRAWING THE RECIPIENT AGREES THAT IT WILL NOT BE USED FOR THE PURPOSE OF MANUFACTURE OR PROCUREMENT OF THE PART OR ASSEMBLY SHOWN HEREIN REPRODUCED OR OTHERWISE COPIED OR DISCLOSED TO ANY OTHER PERSON OR PARTY EXCEPT AS AUTHORIZED IN WRITING BY AVIONICS DESIGN SERVICES LTD.
T. LAFLAMME	R. MACDONALD	DRAWN	
27/11/13	12/11/02	DATE	
	R. GOW	APPROVED	

AVIONICS DESIGN SERVICES Ltd. MIDLAND, ONTARIO, CANADA.			
TiL FM TRANSCEIVER INSTALL, EC AS-350			
SIZE	NEXT HIGHER ASSY:	DRAWING No.	CAD FILE #WD12014A2
B	-	WD12014	
SCALE: NTS		DATE: 08/08/11 DRAWN: R. MACDONALD SHEET: 2 OF 2	