



US Department
of Transportation
**Federal Aviation
Administration**

MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make Cessna	Model 177B
	Serial No. 17702324	Nationality and Registration Mark USA N10420
2. Owner	Name (As shown on registration certificate) Gregg Hugh R	Address (As shown on registration certificate) 7477 Hansen Dr. Dublin, CA 94568-2742

3. For FAA Use Only

The data identified herein complies with the applicable airworthiness requirements and is approved for the above described aircraft, subject to conformity inspection by a person authorized in FAR 43, Section 43.7

05-08-2003 *Red Brown*
DATE SIGNATURE OAK-FSDO

4. Unit Identification

5. Type

Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	~~~~~ (As described in Item 1 above) ~~~~~				XXX
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
FJC ENTERPRISES, INC d.b.a. STERLING AVIONICS 101 JOHN GLENN DRIVE, HGR. 2 CONCORD, CA. 94520	<input type="checkbox"/> U.S. Certificated Mechanic	WQ3R954L-Radio Class 1 & 2, Following are Limited: Radio Inst., Accessory and Airframe
	<input type="checkbox"/> Foreign Certificated Mechanic	
	<input checked="" type="checkbox"/> Certificated Repair Station	
	<input type="checkbox"/> Manufacturer	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date 5-8-03	Signature of Authorized Individual <i>Michael A Wagon</i>
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7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is APPROVED REJECTED

BY	FAA Fit. Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee	<input checked="" type="checkbox"/> Repair Station	Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection 5-8-03	Certificate or Designation No. WQ3R954L	Signature of Authorized Individual <i>Michael A Wagon</i>
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NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

N10420

Cessna 177B, s/n 17702324

May 2, 2003

1. INTRODUCTION:

Removed: 0.050 Pilot's original instrument panel
Installed: 0.090 New Pilot's instrument panel
0.050 overlay panels on Copilot instrument, and sub-panels

This major alteration to this aircraft obligates the aircraft operator to include the following maintenance information provided by this document in the owner/operator's Aircraft Maintenance Manual and should be made reference to during the aircraft's scheduled maintenance program.

2. DESCRIPTION:

Removed original 0.050 pilot's instrument panel. Modified pilot's instrument panel area in accordance with drawing # ABR-004, mount doubler in accordance with drawing # ABR-003. Installed new 0.090 pilot's instrument panel utilizing 7 Lord p/n J6984-8 shock mounts. Installed 0.050 panel overlays on the copilot's instrument panel and the sub-panel assemblies. All panels are painted flat Cessna gray.

3. CONTROL AND OPERATION:

N/A

4. SERVICING:

N/A

5. MAINTENANCE INSTRUCTIONS:

No recurring maintenance is specified by the manufacturers. However, all equipment will be inspected in accordance with FAR 43 Appendix D.

6. TROUBLESHOOTING INFO:

Refer to qualified service facility.

7. REMOVAL AND REPLACEMENT INFO:

All components can be removed and replaced using common tools and practices.

8. DIAGRAMS:

ABR-001, ABR-002, ABR-003, ABR-004, ABR-005

9. SPECIAL INSPECTION REQUIREMENTS:

N/A

10. APPLICATION OF PROTECTIVE TREATMENTS:

N/A

11. DATA:

drawings ABR-001, ABR-002, ABR-003, ABR-004, ABR-005; AC43.13-1B change 1 4-1, 4-4, 4-50, 4-52, 4-57, 7-14, 7-16, 7-63, 7-64, 7-85, 7-86, 10-1, 10-2, 10-14, 10-16, 11-31, 11-115, 11-185, 11-186, 11-187; AC43.13-2A 1-1 through 1-12

12. LIST OF SPECIAL TOOLS:

N/A

13. FOR COMMUTER CATEGORY AIRCRAFT:

N/A

14. RECOMMENDED OVERHAUL PERIODS:

No overhaul periods are specified by the manufacturers.

15. AIRWORTHINESS LIMITATIONS:

N/A

16. REVISIONS:

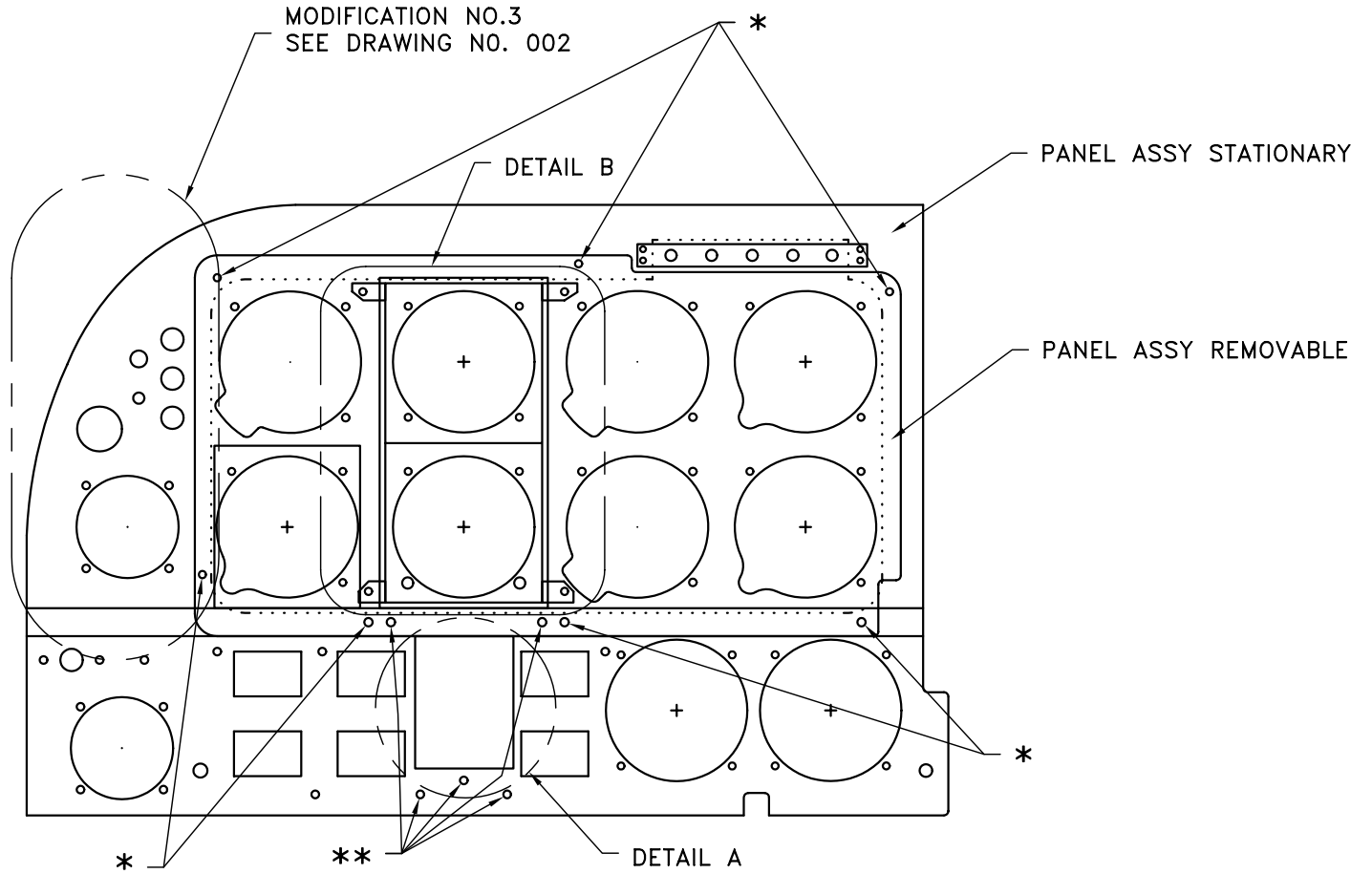
In the event that these Instructions for Continued Airworthiness need to be revised, a letter will be submitted to the local FAA FSDO with a copy of the revised FAA form 337 describing the revision requirements.

*****End*****

Additional Sheets Are Attached

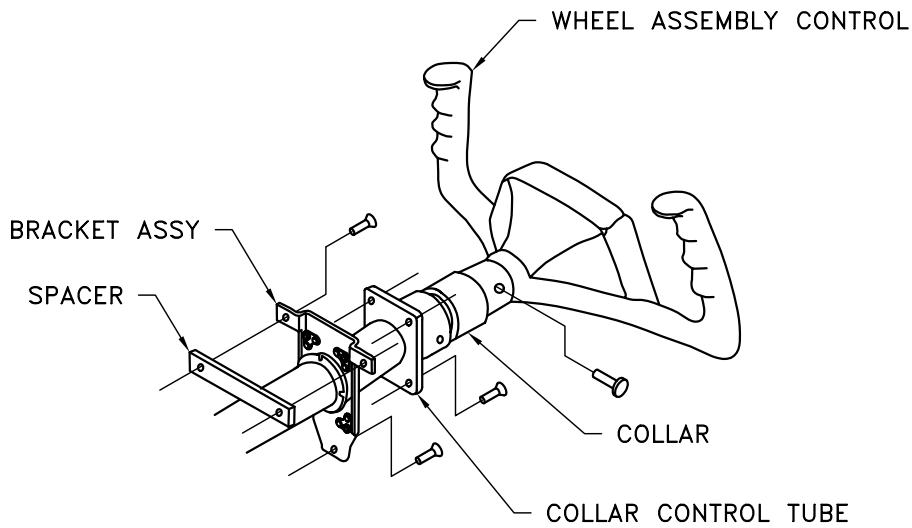
NOTES:

1. ORIGINAL STRUCTURE .050" THICK
2. * = FACTORY ATTACH POINTS FOR REMOVABLE PANEL
3. ** = FACTORY ATTACH POINTS FOR ORIGINAL CONTROL COLUMN MOUNT

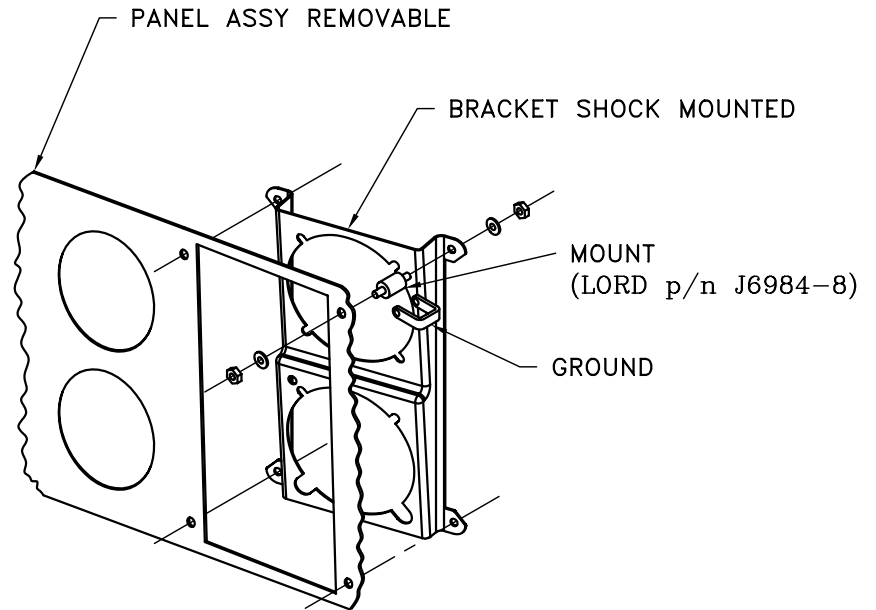


EXISTING PANEL LAYOUT

4007816 Canada Inc. Aircraft Panel.Com 4920 Route de l'aéroport St-Hubert, Quebec Canada, J3Y 8Y9 Tel: (514) 298-3343	SCALE: 1 : 4 & AS NOTED	TITLE: EXISTING PANEL		DRAWING NO. ABR-001
	DATE: 04/23/03	AIRCRAFT MODEL: CESSNA 177	DRAWN BY: S. JUTRAS	SHEET 1

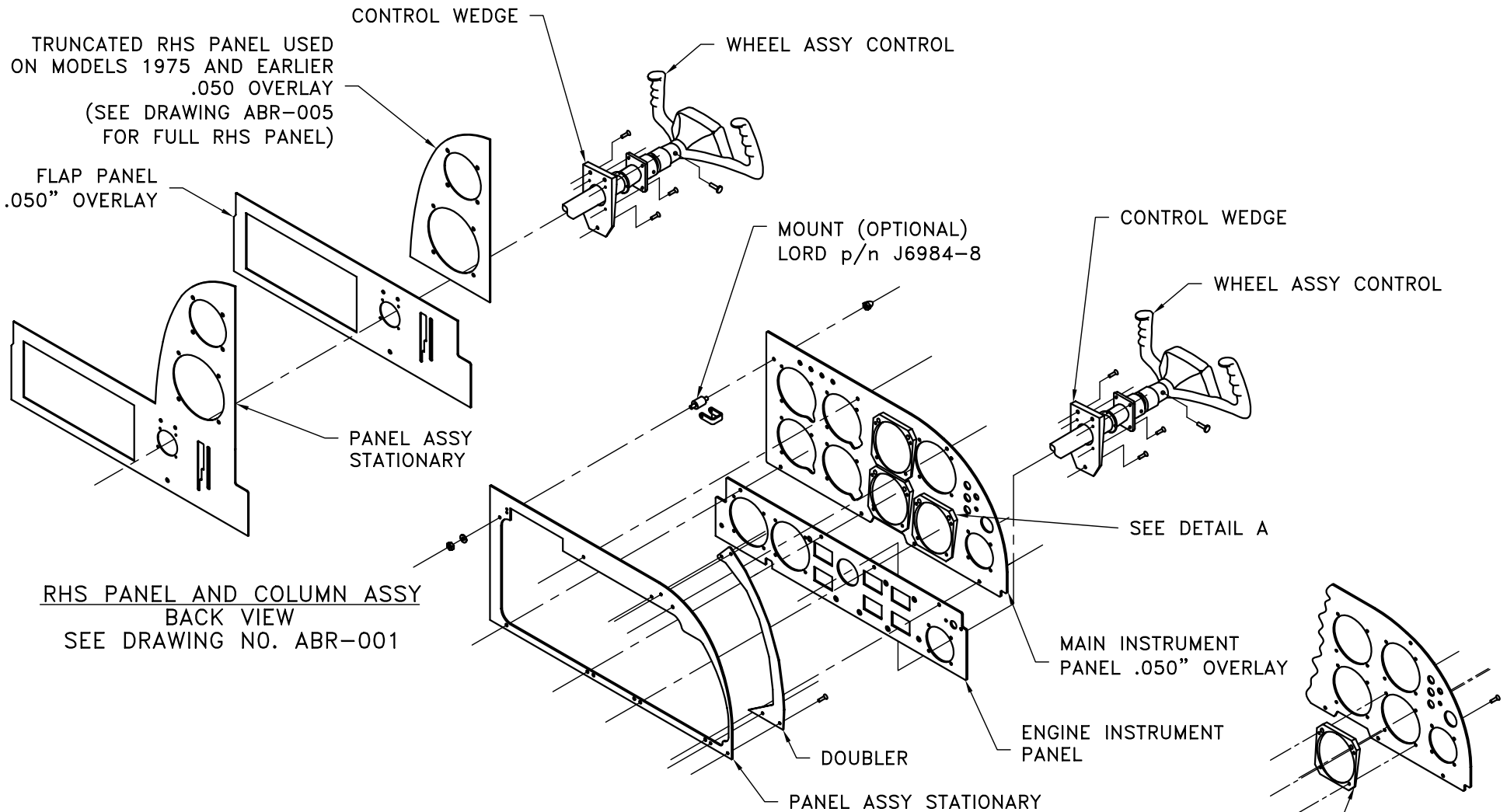


DETAIL A
 MODIFICATION NO.1
 SEE DRAWING NO. 002



DETAIL B
 MODIFICATION NO.2
 SEE DRAWING NO. 002

4007816 Canada Inc. Aircraft Panel.Com 4920 Route de l'aéroport St-Hubert, Quebec Canada, J3Y 8Y9 Tel: (514) 298-3343	SCALE: 1 : 4 & AS NOTED	TITLE: EXISTING PANEL (DETAILS)	DRAWING NO. ABR-002
	DATE: 04/23/03	AIRCRAFT MODEL: CESSNA 177	DRAWN BY: S. JUTRAS
			SHEET 1



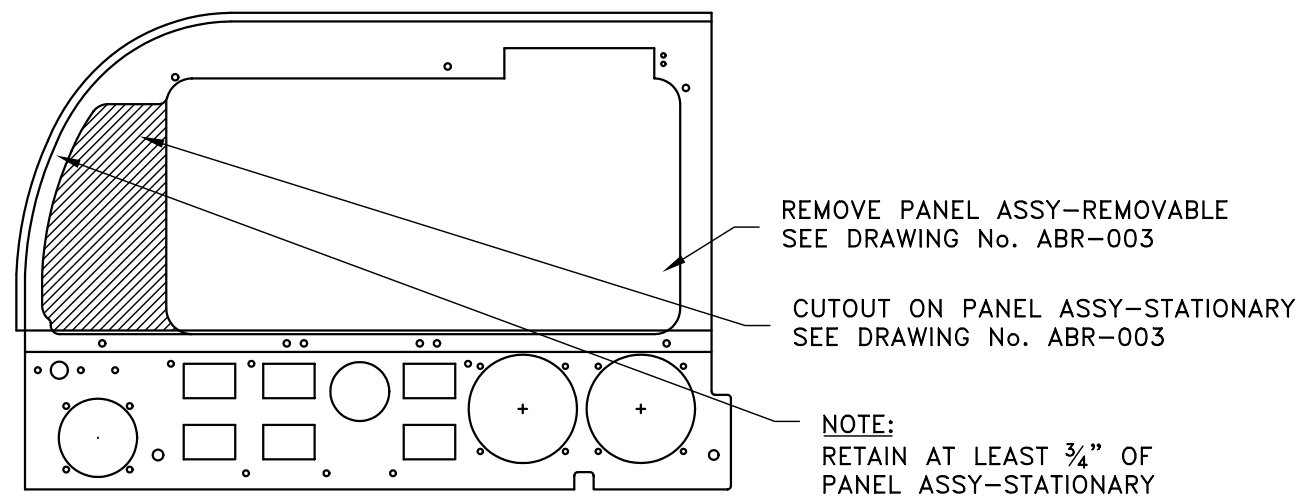
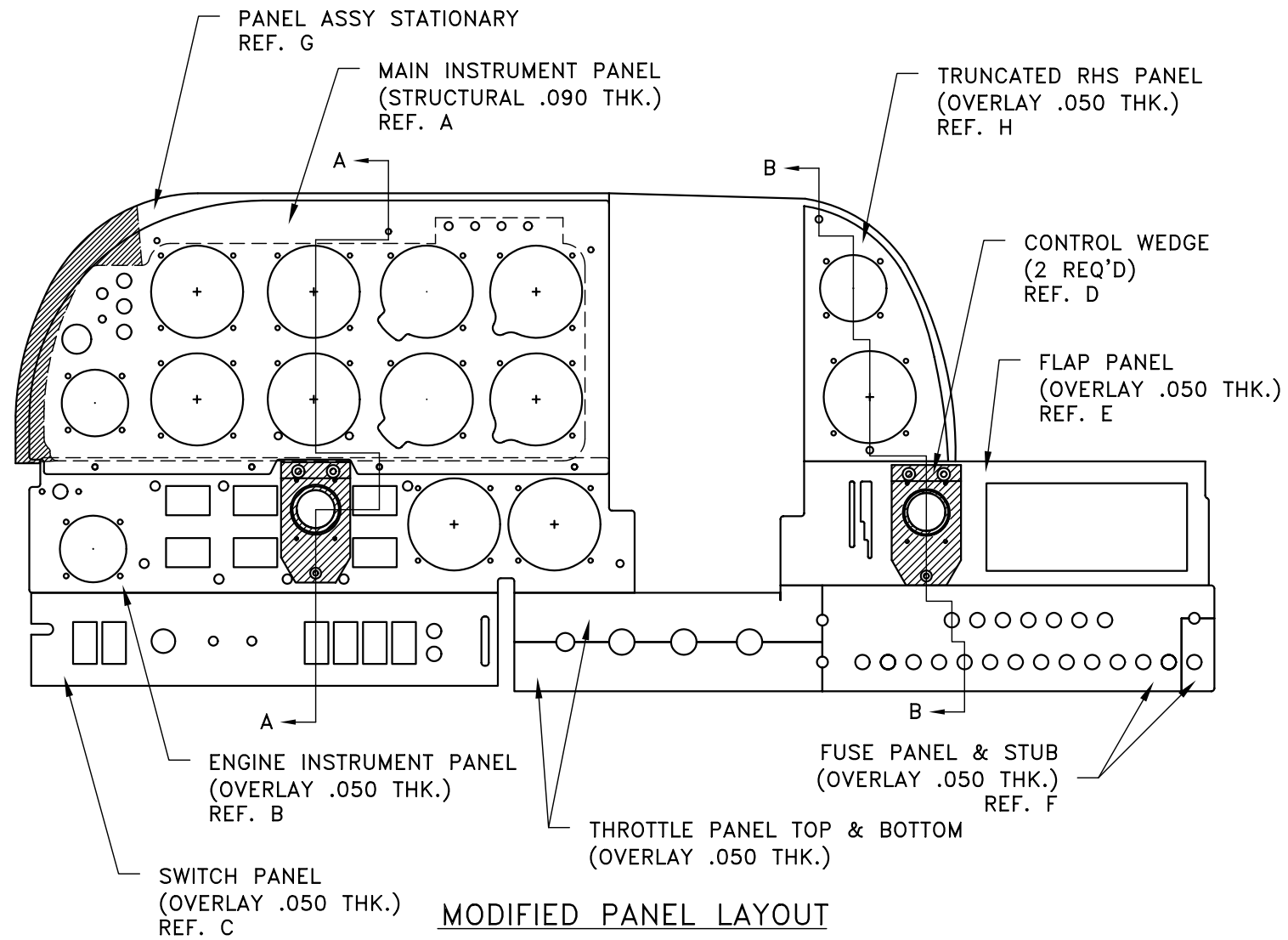
RHS PANEL AND COLUMN ASSY
BACK VIEW
SEE DRAWING NO. ABR-001

LHS PANEL AND COLUMN ASSY
BACK VIEW
SEE DRAWING NO. ABR-001

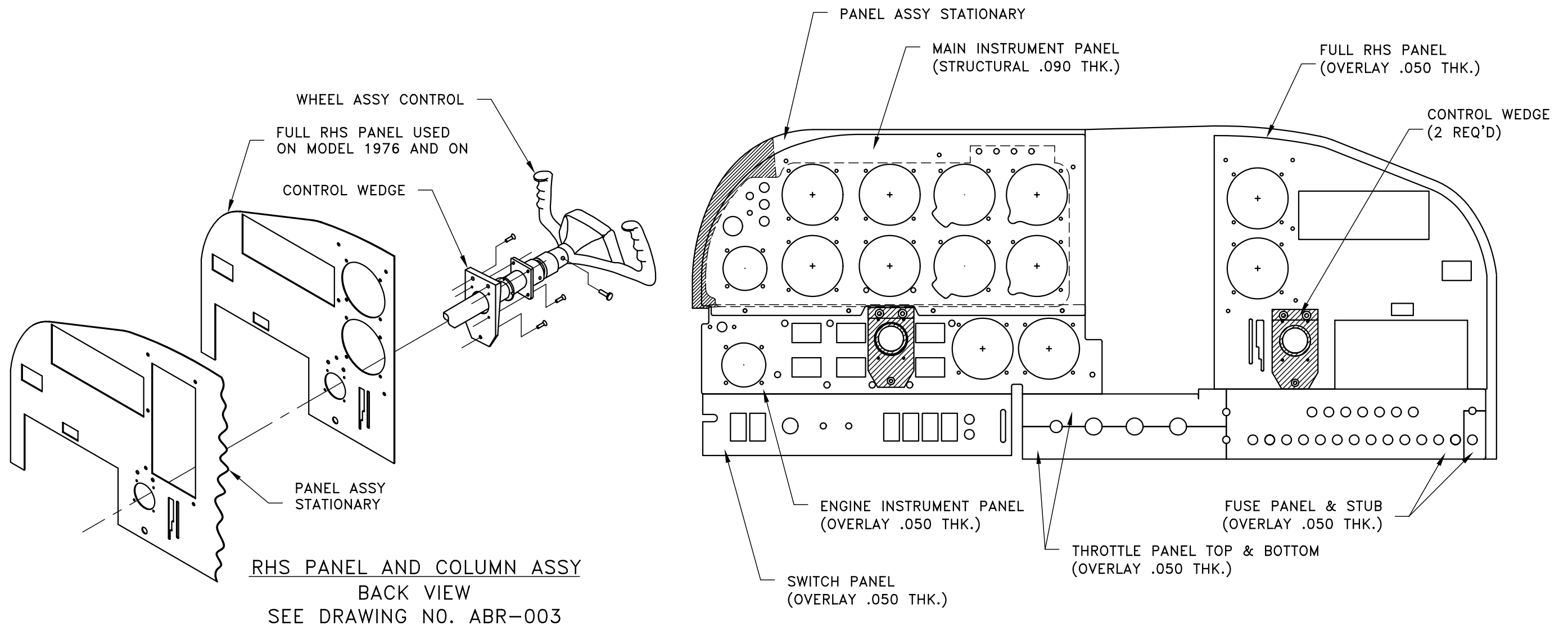
DETAIL A
SEE DRAWING NO. 001

Note 1:
Doubler to be fabricated from 0.050" aircraft-grade aluminum, riveted along remaining panel area in at least 6 areas, not less than 0.5 inches apart, at distance not less than twice radius of rivet hole from doubler and PANEL ASSY STATIONARY edges.

4007816 Canada Inc. Aircraft Panel.Com 4920 Route de l'aéroport St-Hubert, Quebec Canada, J3Y 8Y9 Tel: (514) 298-3343	SCALE: 1 : 8 & AS NOTED	TITLE: MODIFIED PANEL ASSEMBLY	DRAWING NO. ABR-003
	DATE: 04/23/03	AIRCRAFT MODEL: CESSNA 177	DRAWN BY: S. JUTRAS
			SHEET 1



4007816 Canada Inc. Aircraft Panel.Com 4920 Route de l'aéroport St-Hubert, Quebec Canada, J3Y 8Y9 Tel: (514) 298-3343	SCALE: 1 : 8 & AS NOTED	TITLE: MODIFIED PANEL ASSEMBLY		DRAWING NO. ABR-004
	DATE: 04/23/03	AIRCRAFT MODEL: CESSNA 177	DRAWN BY: S. JUTRAS	SHEET 1



RHS PANEL AND COLUMN ASSY
BACK VIEW
SEE DRAWING NO. ABR-003

MODIFIED PANEL LAYOUT
MODELS 1976 & ON

4007816 Canada Inc. Aircraft Panel.Com 4920 Route de l'aéroport St-Hubert, Quebec Canada, J3Y 8Y9 Tel: (514) 298-3343	SCALE: 1 : 8 & AS NOTED	TITLE: MODIFIED PANEL ASSEMBLY		DRAWING NO. ABR-005
	DATE: 04/23/03	AIRCRAFT MODEL: CESSNA 177	DRAWN BY: S. JUTRAS	SHEET 1