

METAL PANEL



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

Form Approved  
OMB No. 2120-0020  
For FAA Use Only  
Office Identification  
**SO-09/GAC**

**5009200311036**

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 \$1,000.00 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make <b>Cessna</b>	Model <b>C-177RG</b>
	Serial No. <b>177-RG-1259</b>	Nationality and Registration Mark <b>USA N516AP</b>
2. Owner	Name (As shown on registration certificate) <b>Carper, William B</b>	Address (As shown on registration certificate) <b>10011 Autumn Lane Pensacola, FL 32514</b>

"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."

**JUN 09 2003**

*George A. Wilson* PSE

**SO FSDO-09**

4. Unit Identification				5. Type	
Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	~~~~~ (As described in Item 1 above) ~~~~~				X
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

### 6. Conformity Statement

A. Agency's Name and Address <b>Blue Angel Aviation 2401 Executive Plaza Rd Suite 8-A Pensacola, FL 32504</b>	B. Kind of Agency		C. Certificate No. <b>B4UR140N Class I,II,III (LIM),AF(LIM)</b>
	<input type="checkbox"/>	U.S. Certificated Mechanic	
	<input type="checkbox"/>	Foreign Certificated Mechanic	
	<input checked="" type="checkbox"/>	Certificated Repair Station 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 <b>06/09/2003</b>	Signature of Authorized Individual <i>Clayton Caessens</i> Clayton Caessens 2527453
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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 Flt 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 <b>06/09/2003</b>	Certificate or Designation No. <b>B4UR140N</b>	Signature of Authorized Individual <i>Clayton Caessens</i> Clayton Caessens 2527453
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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.)*

#### 1. Introduction

Removed the following:

Pilots original .050" thick instrument panel

Installed the following:

New 0.090" Pilots instrument panel. New overlay panels for the lower instruments, and the co-pilots side panel.

#### 2. Description

Modified the pilots instrument panel area IAW drawing ABR-004. Installed the new instrument panel utilizing the existing nutplates. Installed the new overlay panel on the lower instruments, and installed the co-pilots overlay panel. Installed the yoke and instrument mounts.

3. Control and operation: NA

4. Servicing: NA

#### 5. Maintenance Instructions

No re-curring maintenance is specified by the manufacture. All equipment will be inspected IAW FAR 43, appendix D.

#### 6. Troubleshooting Information

Refer to a qualified maintenance facility

#### 7. Removal And Replacement Information

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

NA

#### 10. Application of Protective treatments

NA

#### 11. Data

Drawings ABR-110, ABR-002, ABR-003, ABR-004, ABR-005, AC 43.13-1B

12. List of Special Tools: NA

13. For Commuter Category Aircraft: NA

#### 14. Recommended overhaul periods

None specified

#### 15. Airworthiness Limitations

NA

#### 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 337 describing the revision requirements.

SO-09/GAC  
JUN 09 2003

Additional Sheets are Attached

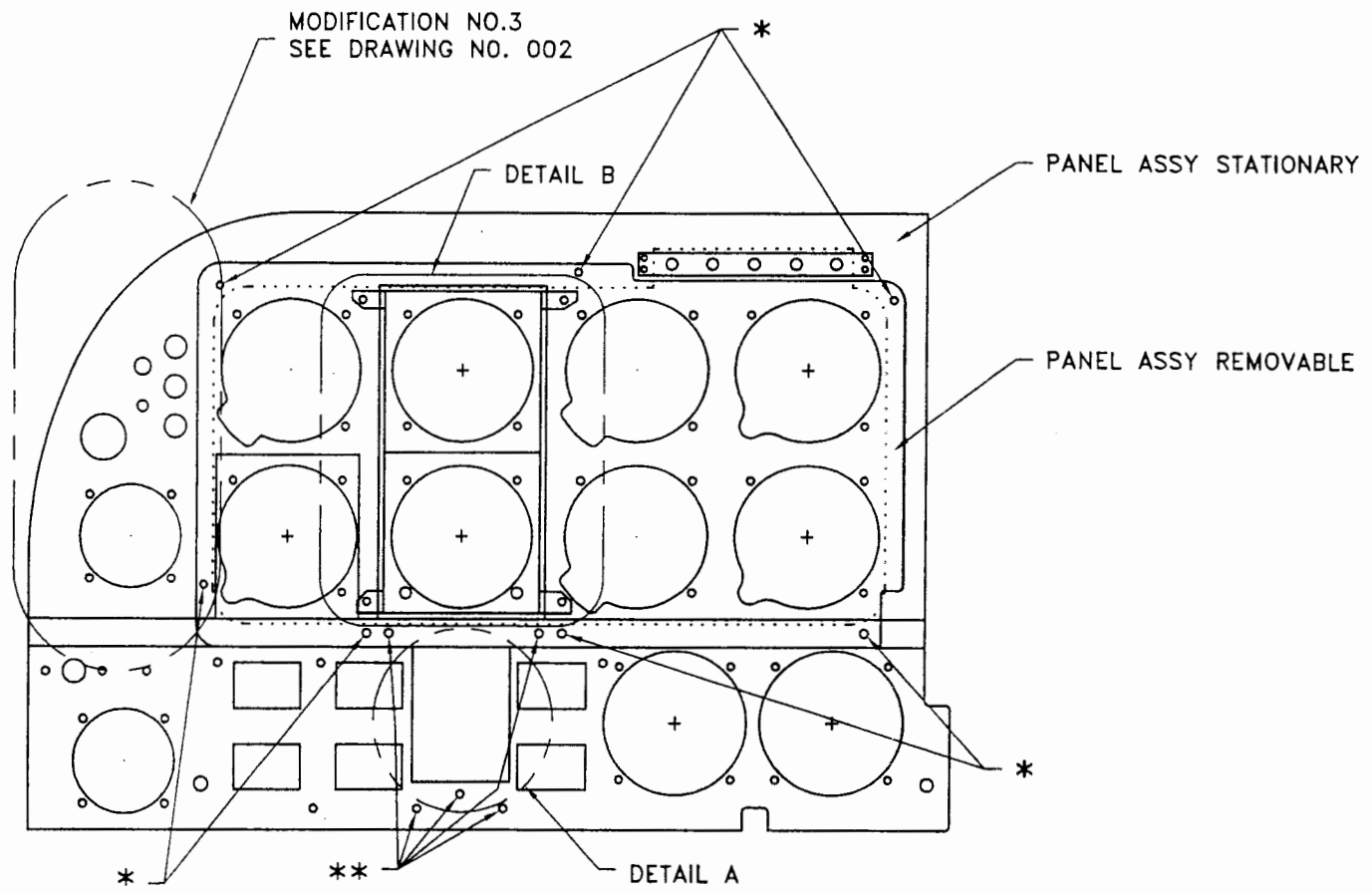
3-7 Attached

N516AP Cessna C177-RG Serial # 177-RG-1259

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NOTES:

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



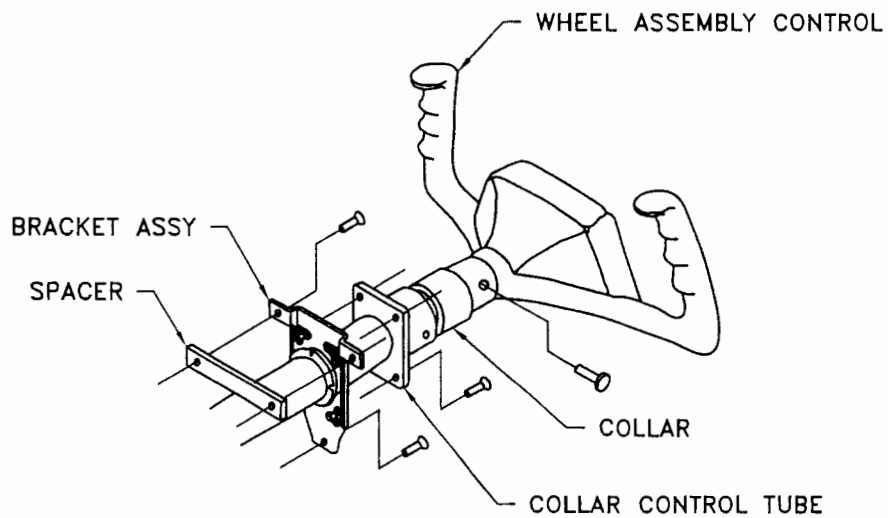
EXISTING PANEL LAYOUT

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

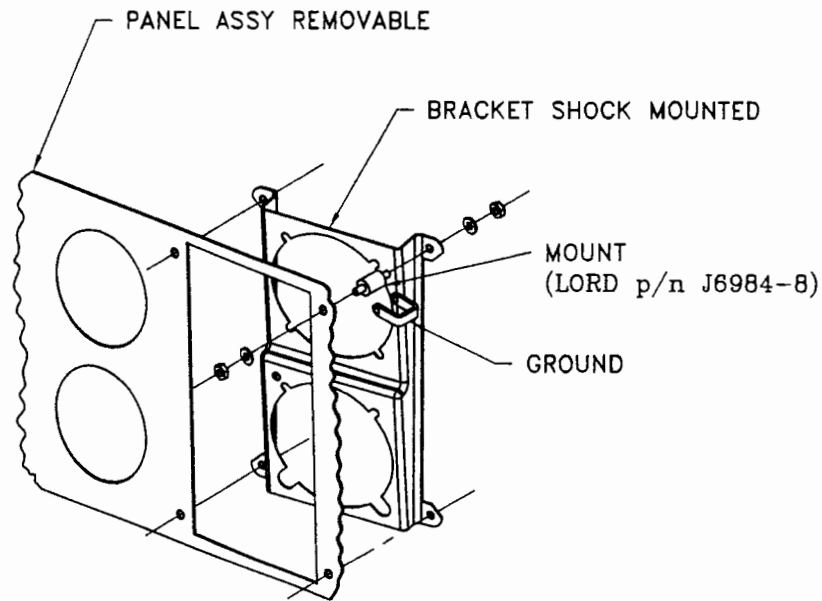
Serial # 177-RG-1259

NEILAP CONTROL

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DETAIL A  
 MODIFICATION NO.1  
 SEE DRAWING NO. 002

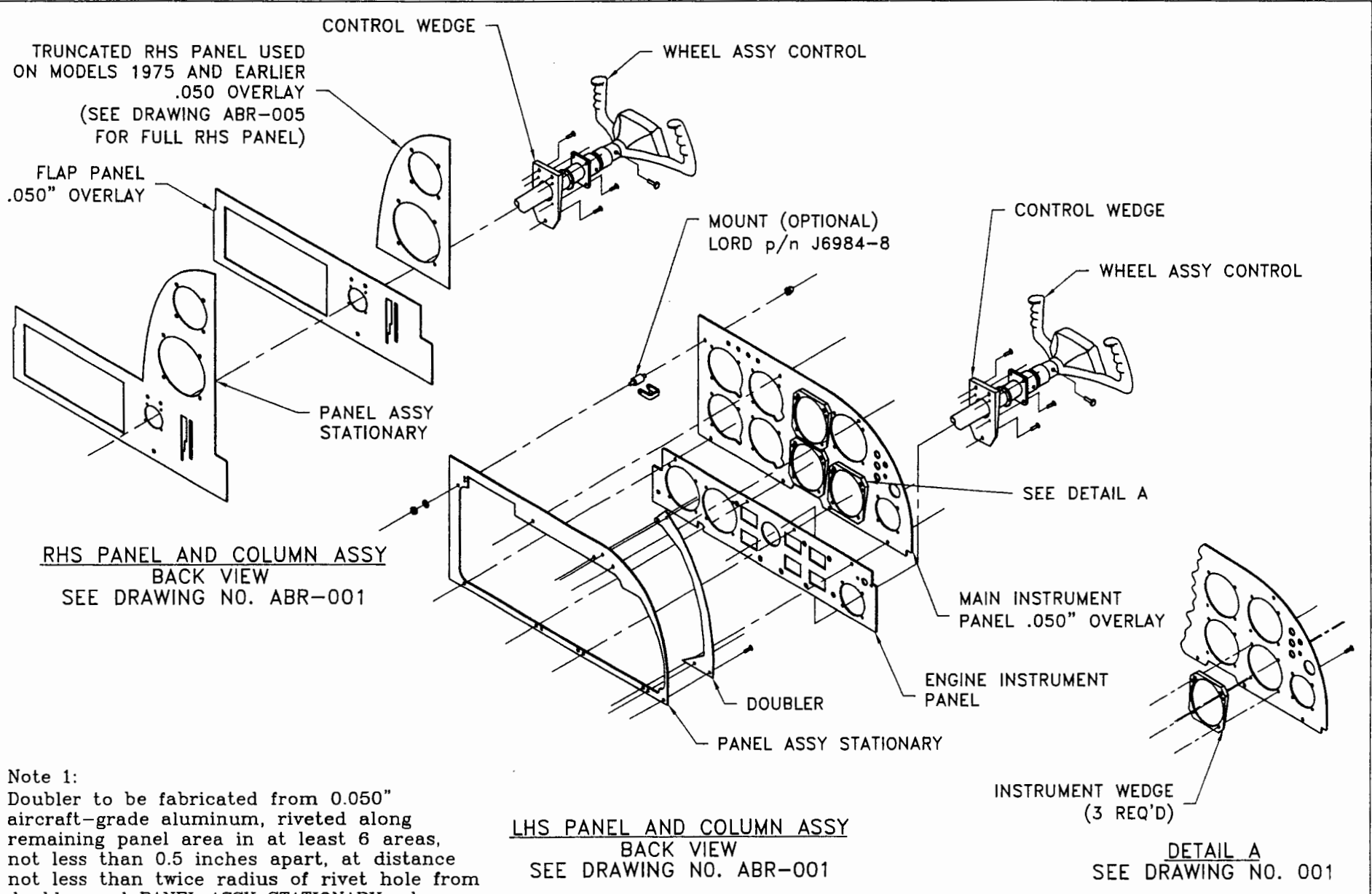


DETAIL B  
 MODIFICATION NO.2  
 SEE DRAWING NO. 002

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

Serial # 171-RG-1259  
 C-177RG  
 N516AP

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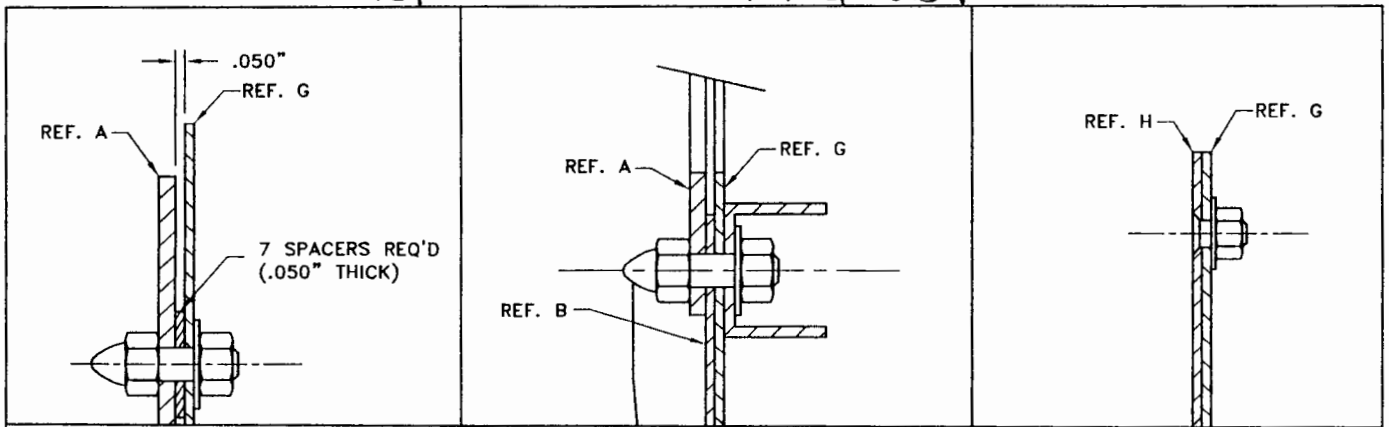


Note 1:  
 Doubler to be fabricated from 0.050" aircraft-grade aluminum, riveted along remaining panel area in at least 6 areas, not less than 0.5 inches apart, at distance not less than twice radius of rivet hole from doubler and PANEL ASSY STATIONARY edges.

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

**DETAIL A**  
 SEE DRAWING NO. 001

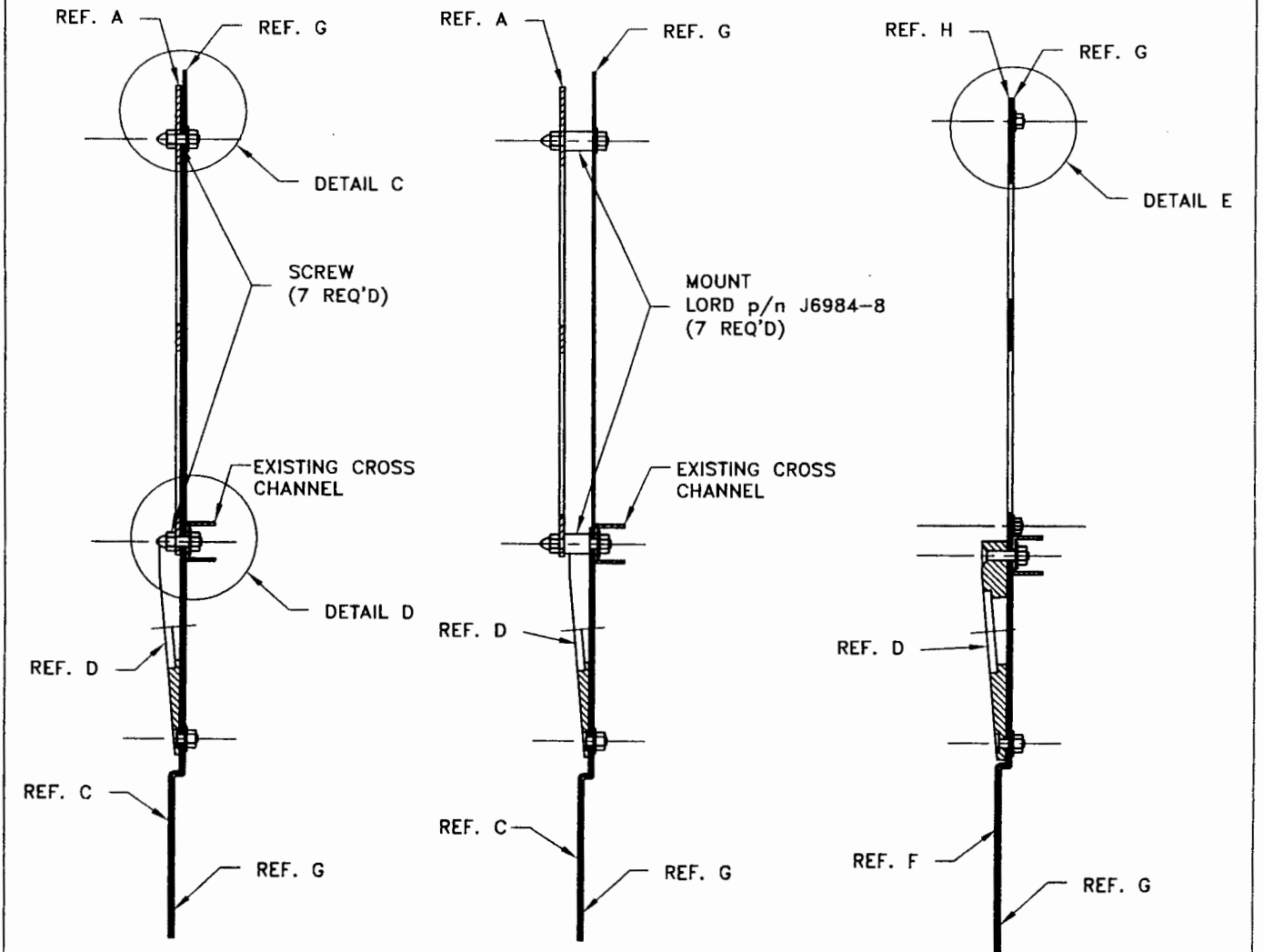
4007816 Canada Inc. Aircraft Panel.Com 4920 Route de l'aéroport St-Hubert, Quebec Canada, J3Y 8Y9 Tel: (514) 298-3343	SCALE: 1 : 8 & AS NOTED	TITLE: MODIFIED PANEL ASSEMBLY		DRAWING NO. ABR-003	
	DATE: 04/23/03	AIRCRAFT MODEL: CESSNA 177	DRAWN BY: S. JUTRAS	SHEET 1	



DETAIL C

DETAIL D

DETAIL E



SECTION A-A  
WITHOUT SHOCKMOUNT

SECTION A-A  
WITH SHOCKMOUNT

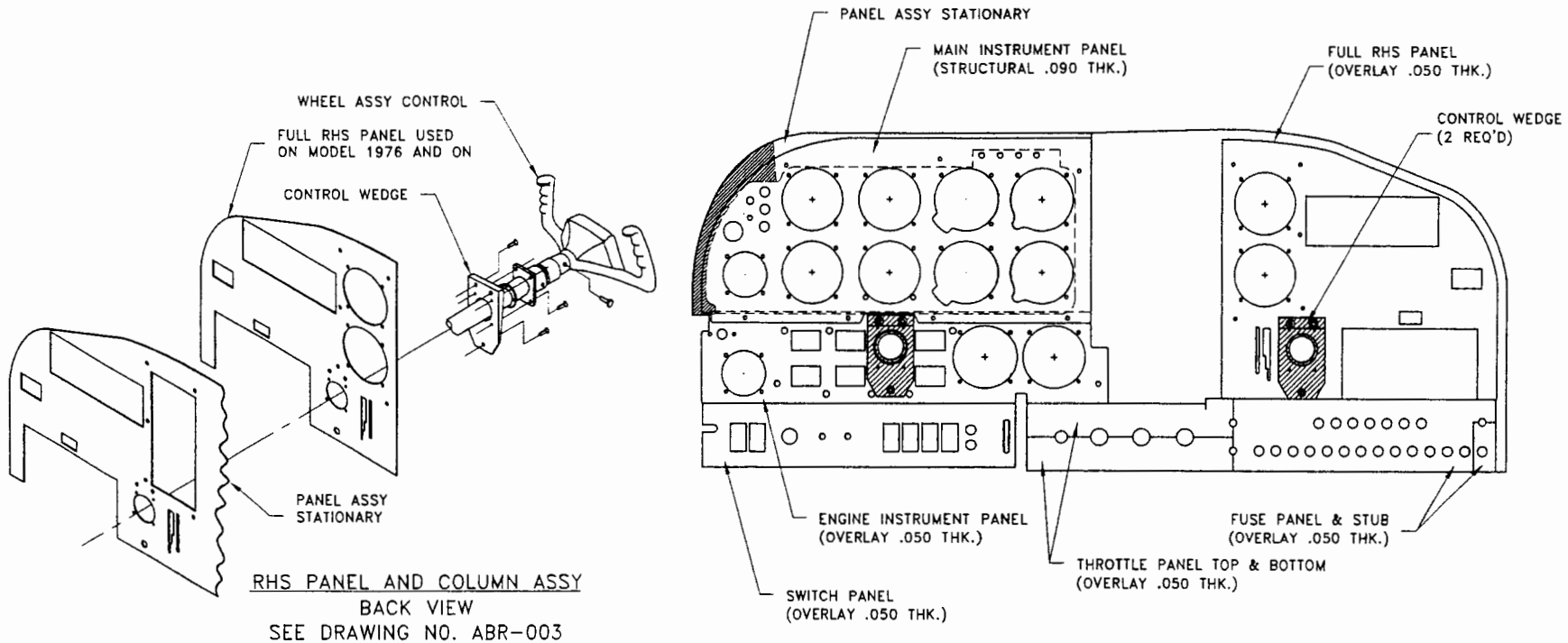
SECTION B-B

4007816 Canada Inc. Aircraft Panel.Com 4920 Route de l'aéroport St-Hubert, Quebec Canada, J3Y 8Y9 Tel: (514) 298-3343	SCALE:	TITLE:	DRAWING NO.	
	N.T.S.	MODIFIED PANEL ASSEMBLY	ABR-004	
DATE:	AIRCRAFT MODEL:	DRAWN BY:	SHEET	
04/23/03	CESSNA 177	S. JUTRAS	2	

Serial # 177-RG-1259

NS16AP C-177RG

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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	