

**Table 2F-4. Wind Tunnel Velocity Pressure Cross-Check**

Wind Tunnel Facility: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Wind Tunnel Temperature: \_\_\_\_\_  
 Barometric Pressure: \_\_\_\_\_  
 Test Point Locations: \_\_\_\_\_  
 Lowest Test Velocity in m/sec (ft/sec): \_\_\_\_\_  
 Highest Test Velocity in m/sec (ft/sec): \_\_\_\_\_

Port	Rep.	Velocity Pressure ( $\Delta P_{std}$ )	
		@ Lowest Test Velocity	@ Highest Test Velocity
Calibration Pitot Tube Location	1		
	2		
	3		
	Average		
Calibration Location Test Points *	1	1	
		2	
		3	
		Average	
		% Difference **	
	2	1	
		2	
		3	
		Average	
		% Difference **	
		1	
		2	
		3	
		Average	
		% Difference **	

\* Measurements must be taken at all points in the calibration location as specified in section 10.1.1

\*\* Percent Difference = 
$$\frac{(\text{Calibration Location Test Point Avg} - \text{Cal. Pitot Tube Location Avg})}{\text{Cal. Pitot Tube Location Avg}} \times 100\%$$

Specification: At each velocity setting, the average velocity pressure obtained at the calibration location shall be within  $\pm 2$  percent or 0.01 in. H<sub>2</sub>O, whichever is less restrictive, of the average velocity pressure obtained at the fixed calibration pitot tube location.