

AC Panelboard Investigation Checklist

Visual Investigation:

Is there an improper neutral – ground bond?	Y	N
Are neutral conductors connected to Equipment Ground Busbar?	Y	N
Are equipment ground conductors connected to Neutral Busbar?	Y	N
Is there excessive heat in the panelboard?	Y	N
Is the entrance conduit bonded to the panelboard frame?	Y	N
Are all connections on neutral busbar checked and tightened?	Y	N
Are all connections on EG busbar checked and tightened?	Y	N
Are all breaker terminations checked and tightened?	Y	N
Are all incoming circuit conductors check and tightened?	Y	N

Voltage Measurements:

Phase A – Phase B: _____ VAC Phase B – Phase C: _____ VAC
Phase C – Phase A: _____ VAC
Phase A – Neutral: _____ VAC Phase B – Neutral: _____ VAC
Phase C – Neutral: _____ VAC Neutral – Ground: _____ VAC

Panelboard AC Current Measurements

Phase A: _____ AC Amps Phase B: _____ AC Amps
Phase C: _____ AC Amps Neutral: _____ AC Amps
IG busbar (if applies): _____ AC Amps EG busbar: _____ AC Amps

Panelboard Branch Circuit Current Measurements

Breaker Position	Amperage		Breaker Position	Amperage
1			2	
3			4	
5			6	
7			8	
9			10	
11			12	
13			14	
15			16	
17			18	
19			20	
21			22	
23			24	
25			26	
27			28	
29			30	
31			32	
33			34	
35			36	
37			38	
39			40	
41			42	