

# NEW ZEALAND ELECTRICAL INSPECTORS ASSOCIATION.

Client's Name: \_\_\_\_\_

Electrician's Name & Reg # \_\_\_\_\_

Installation address: \_\_\_\_\_

Assisting workers names: \_\_\_\_\_

C O C number \_\_\_\_\_

I C P number: \_\_\_\_\_



## ELECTRICAL INSPECTION OF CONSUMER MAINS, MAIN EARTH AND MEN CONNECTION POINT



		Visual Inspection			Pass	Fail	N/A			Visual Inspection			Pass	Fail	N/A
Reference		General						Reference		MEN Switchboard					
01	1.5.4.4, 8.2.2 (a)(i)	Exposed basic insulation/live parts						11	5.3.5, 5.3.5.2, 8.2.2 (f)(i)	MEN link (removable, correct size)					
02	1.7.1.(b), 8.2.2 (a)(iii)	Protection from hazardous parts(sharps)						12		Meter neutrals (split)					
03	1.5.12, 8.2.2 (a)(iv)	Protection against spread of fire						13	4.18.2, 4.18.3	Switchboard not in gas exclusion zone					
								14	5.3.6.4	Main earth location					
		<b>Mains Cable</b>						15	2.9.7, 8.2.2	Protection against spread of fire					
04	2.5.1.1, 8.2.2 (b)(i)	Current carrying capacity & supply fuse						16	5.4.1.1, 8.2.2(f)(iv)	Metal enclosure correctly earthed					
	Cable CSA: mm2	# Phases:	Length: M	Fuse: A						<b>Main Earthing System</b>					
05	8.2.2 (b)(ii)	Voltage drop						17	5.3.6.2, 5.3.6.4, 8.2.2(f)(ii)	Earth electrode (type, location)					
06	3.11, 8.2.2 (b)(iii)	Underground installation conditions						18	5.3.3.2, 8.2.2(f)(iii)	Main earthing conductor size					
07	3.12 8.2.2(b)(iv) ECP34	Aerial installation conditions						19	5.5.1.2, 8.2.2(f)(v)	Connections, clamp, and terminations					
08	3.7.1, 8.2.2 (b)(v)	Connection of wiring						20	5.5.5.1, 8.2.2(f)(vi)	Protection against external influences					
09	3.11.4.6 (b)(vi)	Protection and route plotting						21	5.5.1.3	Earth Tag					
10	3.11.4.6 (a)(b)	Underground cable warning sign													

Reference	Test Results	Result	Reference	Test Results	Result
22	5.5.1.4, 8.3.5	Main earth lead resistance			Ω
24	8.3.6, 8.3.6.2	Mains insulation resistance	L1-N		MΩ
	8.3.6, 8.3.6.2	Mains insulation resistance	L2-N		MΩ
	8.3.6, 8.3.6.2	Mains insulation resistance	L3-N		MΩ
	8.3.6, 8.3.6.2	Mains insulation resistance	N-E		MΩ
	8.3.6, 8.3.6.2	Mains insulation resistance	L1-L2		MΩ
	8.3.6, 8.3.6.2	Mains insulation resistance	L1-L3		MΩ
	8.3.6, 8.3.6.2	Mains insulation resistance	L2-L3		MΩ
23	8.3.5	Protective earthing resistance			Ω
25	8.3.3, 8.3.7	Polarity of incoming mains	L1-N		
	8.3.3, 8.3.7	Polarity of incoming mains	L2-N		
	8.3.3, 8.3.7	Polarity of incoming mains	L3-N		
	8.3.3, 8.3.7	Polarity of incoming mains	N-E		
	8.3.3, 8.3.7	Polarity of incoming mains	L1-L2		
	8.3.3, 8.3.7	Polarity of incoming mains	L1-L3		
	8.3.3, 8.3.7	Polarity of incoming mains	L2-L3		

Notes:

Inspectors name: \_\_\_\_\_ Signature: \_\_\_\_\_ Registration # \_\_\_\_\_ Date: \_\_\_\_\_ © Copyright 2020 NZEIA