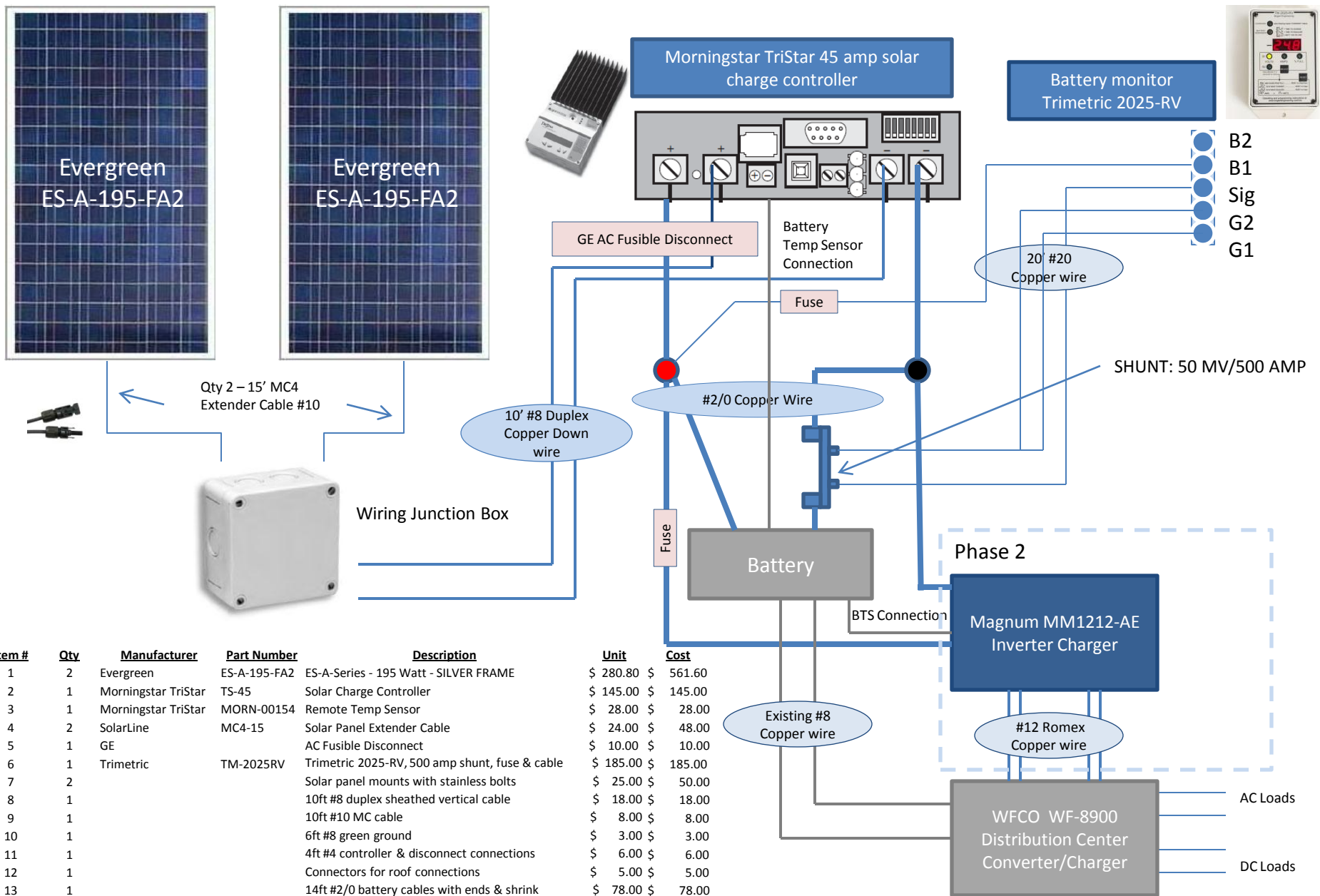


Parallel Wired Panels

Travel Trailer Solar Charging System



B2
B1
Sig
G2
G1

SHUNT: 50 MV/500 AMP

Phase 2

#12 Romex Copper wire

Existing #8 Copper wire

WFCO WF-8900 Distribution Center Converter/Charger

AC Loads
DC Loads

Item #	Qty	Manufacturer	Part Number	Description	Unit	Cost
1	2	Evergreen	ES-A-195-FA2	ES-A-Series - 195 Watt - SILVER FRAME	\$ 280.80	\$ 561.60
2	1	Morningstar TriStar	TS-45	Solar Charge Controller	\$ 145.00	\$ 145.00
3	1	Morningstar TriStar	MORN-00154	Remote Temp Sensor	\$ 28.00	\$ 28.00
4	2	SolarLine	MC4-15	Solar Panel Extender Cable	\$ 24.00	\$ 48.00
5	1	GE		AC Fusible Disconnect	\$ 10.00	\$ 10.00
6	1	Trimetric	TM-2025RV	Trimetric 2025-RV, 500 amp shunt, fuse & cable	\$ 185.00	\$ 185.00
7	2			Solar panel mounts with stainless bolts	\$ 25.00	\$ 50.00
8	1			10ft #8 duplex sheathed vertical cable	\$ 18.00	\$ 18.00
9	1			10ft #10 MC cable	\$ 8.00	\$ 8.00
10	1			6ft #8 green ground	\$ 3.00	\$ 3.00
11	1			4ft #4 controller & disconnect connections	\$ 6.00	\$ 6.00
12	1			Connectors for roof connections	\$ 5.00	\$ 5.00
13	1			14ft #2/0 battery cables with ends & shrink	\$ 78.00	\$ 78.00
14	1			Caulk & misc supplies	\$ 10.00	\$ 10.00
15	1			Installation	\$ 400.00	\$ 400.00
Total						\$ 1,555.60

Roof Layout (Not to Scale)

