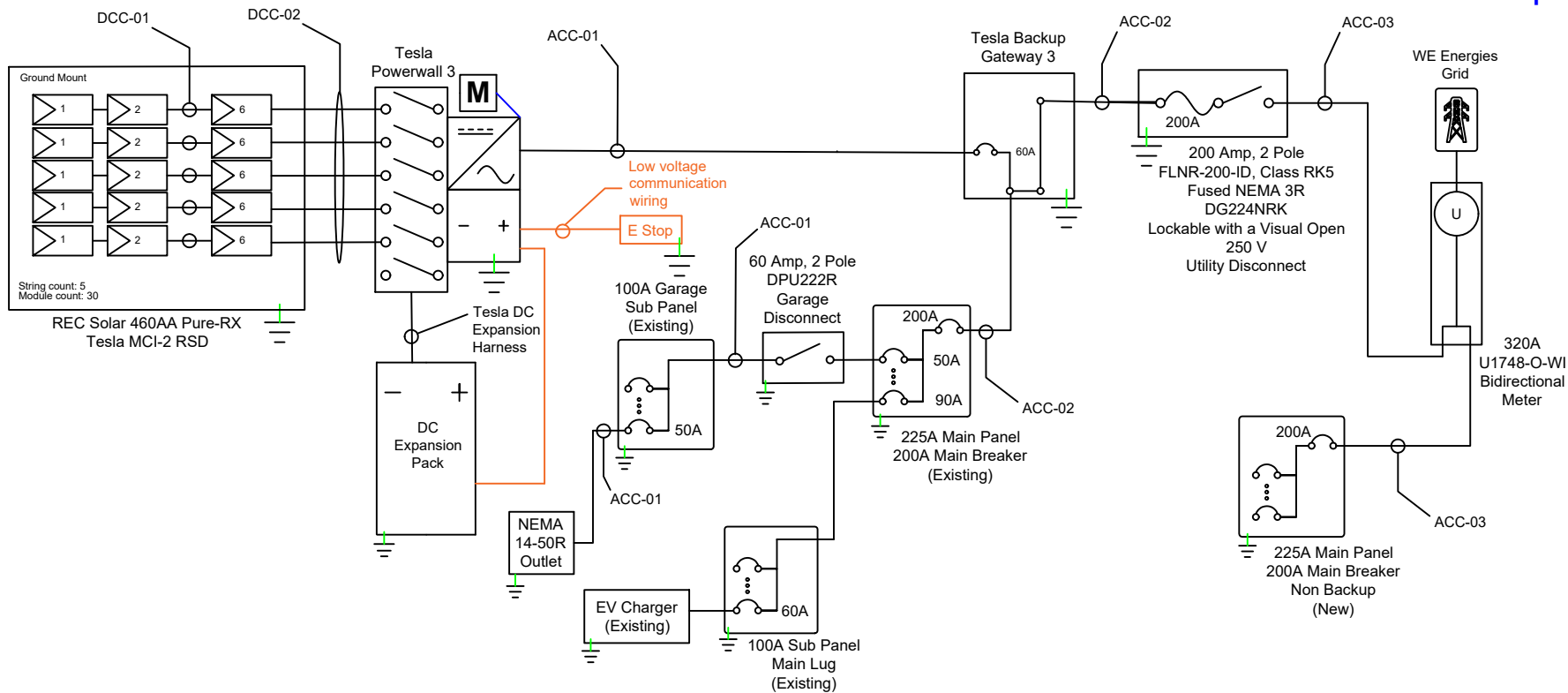




Conductor Schedule									Conduit Schedule	
ID	Sets	Phase Quantity	Color & Size	Insulation	Material	Voltage Drop	Neutral	Ground	Size	Type
DCC-01	1	1	BR #10 AWG	PV Wire	Cu	.10% (~20')	-	#6 THWN Cu	-	-
DCC-02	1	1	BR #10 AWG	PV Wire	Cu	.47% (~90')	-	#10 THWN Cu	1.25" 1.5"	EMT PVC
ACC-01	1	2	BR #6 AWG	THWN	Cu	.05%	#6 THWN Cu	#10 THWN Cu	3/4"	EMT
ACC-02	1	2	BR 3/0 AWG	THWN	Cu	.05%	3/0 THWN Cu	#6 THWN Cu	2"	EMT
ACC-03	1	2	BR 3/0 AWG	THWN	Cu	.05%	3/0 THWN Cu	-	2"	EMT

Additional Battery Specifications	
Tesla DC Expansion Pack (QTY:1)	
Usable Energy	13.5 kWh Each
Islanding Device	Backup Gateway
Nominal AC Operating Voltage	240 V

Module Specifications	
REC Solar 460AA Pure-RX (QTY:30)	
STC Rating	460 W
Vmp	54.9 V
Imp	8.38 A
Voc	65.3 V
Isc	8.88 A

Array Specifications (13.8 kWdc Total)	
5 Strings of 6 Modules	
Max DC Power Rating	2.76 kW
Operating DC Voltage	300 - 436 V
Operating DC Current	6.33 - 8.88 A
Max DC System Voltage	600 V
DC Short Circuit Current	8.88A

Inverter / Battery Specifications	
Tesla Powerwall 3 (QTY:1)	
Max AC Power Rating	11.5kW
Max DC Input Voltage	600 V
Max DC Input Current	15 A
Nominal AC Operating Voltage	240 V
Max AC Operating Current	48 A Each

Blommel - 13.8 kWdc,
11.5 kWac, Washington