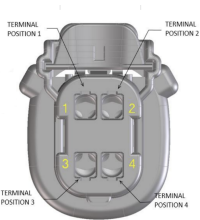


Revisions			
Rev.	Date	Author	Description
A	2022-12-04	Philip Abdalla	

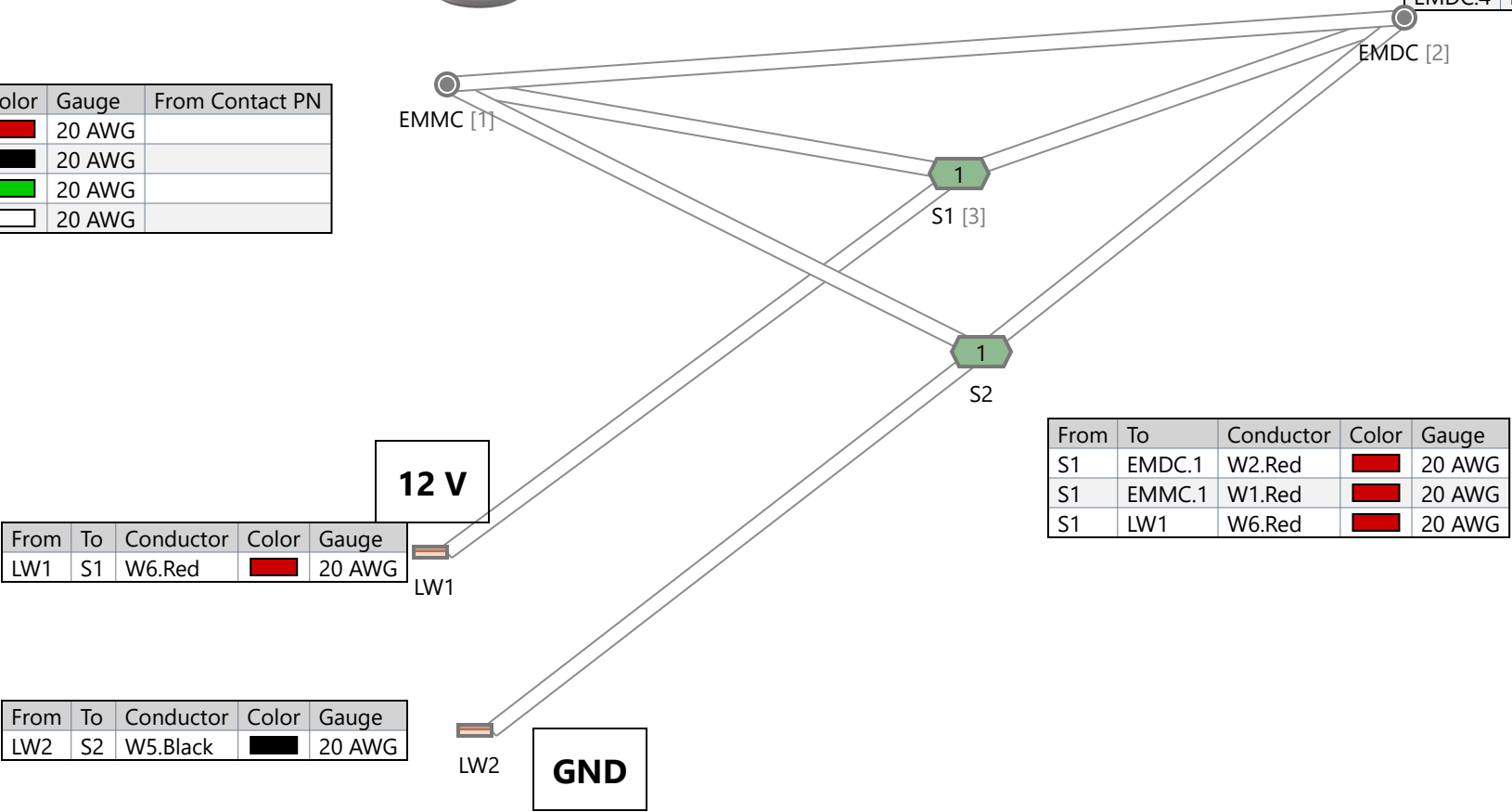
Notes

Bill of Materials				
Id	Type	Manufacturer	Part Number	Quantity
1	Connector	Molex	33472-1001	1
2	Connector	Molex	3482-4001	1
3	Splice			1
4	Wire		20 AWG Red	
5	Wire		20 AWG Black	
6	Wire		20 AWG Green	
7	Wire		20 AWG White	

From	To	Color	Gauge	From Contact PN
EMMC.1	S1	Red	20 AWG	
EMMC.2	S2	Black	20 AWG	
EMMC.3	EMDC.3	Green	20 AWG	
EMMC.4	EMDC.4	White	20 AWG	



From	To	Conductor	Color	Gauge	From Contact PN
EMDC.1	S1	W2.Red	Red	20 AWG	
EMDC.2	S2	W4.Black	Black	20 AWG	
EMDC.3	EMMC.3	W7.Green	Green	20 AWG	
EMDC.4	EMMC.4	W8.White	White	20 AWG	



From	To	Conductor	Color	Gauge
S1	EMDC.1	W2.Red	Red	20 AWG
S1	EMMC.1	W1.Red	Red	20 AWG
S1	LW1	W6.Red	Red	20 AWG

From	To	Conductor	Color	Gauge
LW1	S1	W6.Red	Red	20 AWG

From	To	Conductor	Color	Gauge
LW2	S2	W5.Black	Black	20 AWG

From	To	Conductor	Color	Gauge
S2	EMDC.2	W4.Black	Black	20 AWG
S2	EMMC.2	W3.Black	Black	20 AWG
S2	LW2	W5.Black	Black	20 AWG









Title:	----
Part Number:	Energy Meter Wiring
Description:	

Id	Type	Manufacturer	Part Number	Description	Quantity	Usage
1	Connector	Molex	33472-1001		1	EMMC
2	Connector	Molex	3482-4001		1	EMDC
3	Splice				1	S1
4	Wire		20 AWG Red	Generic Wire		W1, W2, W6
5	Wire		20 AWG Black	Generic Wire		W3, W4, W5
6	Wire		20 AWG Green	Generic Wire		W7
7	Wire		20 AWG White	Generic Wire		W8

Title:	----
Part Number:	Energy Meter Wiring
Description:	

From	To	Conductor	Conductor PN	Twisted With	Gauge	Length	From Contact PN	Notes
EMMC.1	S1	 W1.Red	20 AWG Red		20 AWG			
EMMC.2	S2	 W3.Black	20 AWG Black		20 AWG			
EMMC.3	EMDC.3	 W7.Green	20 AWG Green		20 AWG			
EMMC.4	EMDC.4	 W8.White	20 AWG White		20 AWG			
S1	EMDC.1	 W2.Red	20 AWG Red		20 AWG			
S1	LW1	 W6.Red	20 AWG Red		20 AWG			
S2	EMDC.2	 W4.Black	20 AWG Black		20 AWG			
S2	LW2	 W5.Black	20 AWG Black		20 AWG			

Title:	----
Part Number:	Energy Meter Wiring
Description:	

#	Type	Reference Designator	Manufacturer	Part Number	Color	Gauge	Length	Twisted With
1	Wire	W1		20 AWG Red	 Red	20 AWG		
2	Wire	W2		20 AWG Red	 Red	20 AWG		
3	Wire	W3		20 AWG Black	 Black	20 AWG		
4	Wire	W4		20 AWG Black	 Black	20 AWG		
5	Wire	W5		20 AWG Black	 Black	20 AWG		
6	Wire	W6		20 AWG Red	 Red	20 AWG		
7	Wire	W7		20 AWG Green	 Green	20 AWG		
8	Wire	W8		20 AWG White	 White	20 AWG		

Title:	----
Part Number:	Energy Meter Wiring
Description:	



#	Manufacturer	Part Number	Description	Label Text