


BILL OF MATERIALS

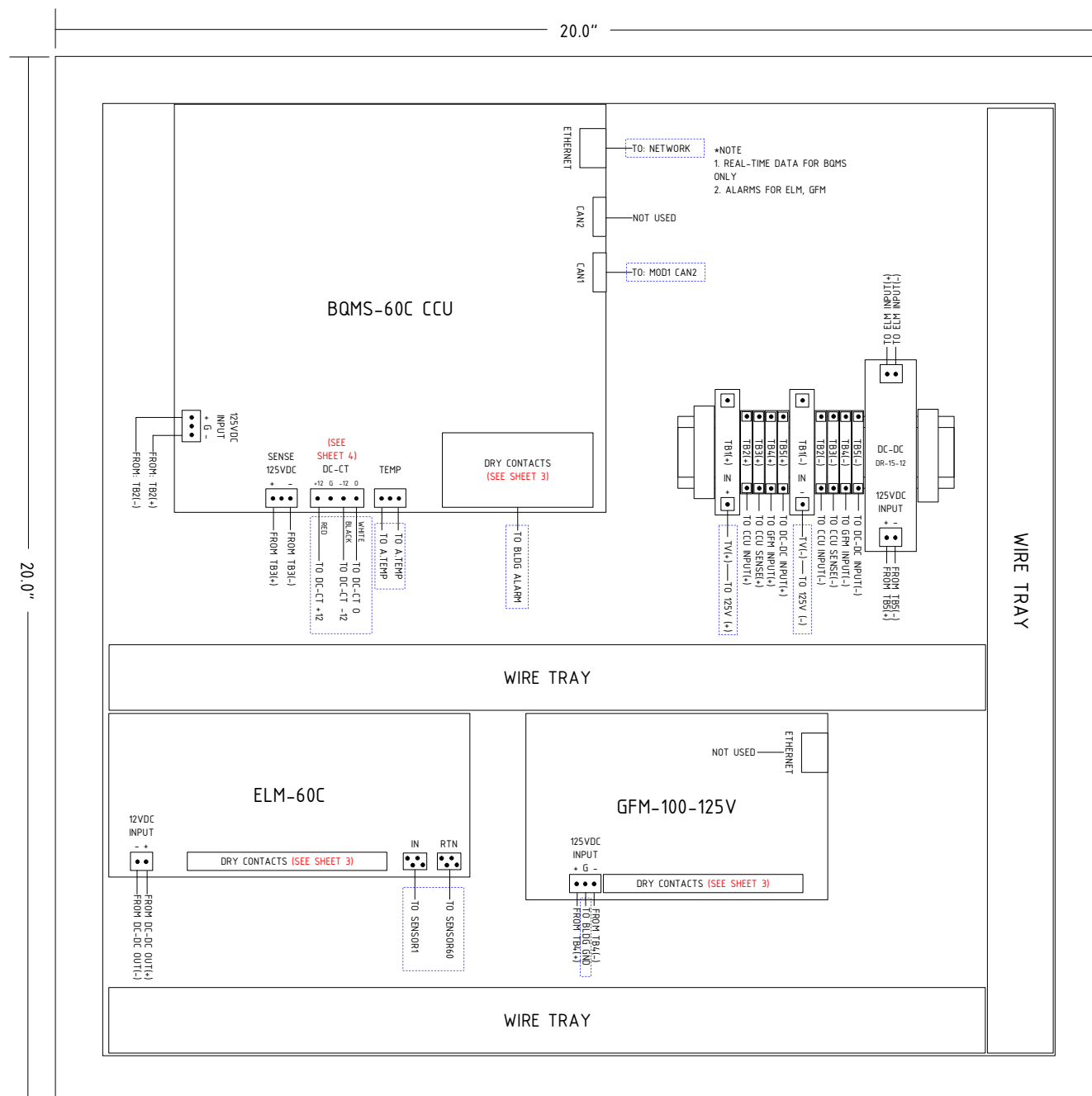
Qty.	Manufacturer	Part Number	Description
1	Eagle Eye	BQMS-60C-CCU	Communication control unit
15	Eagle Eye	BQMS-MOD-2V	Module unit
1	Eagle Eye	ELM-60C-Monitor	Electrolyte level monitor
60	Eagle Eye	ELM-Sensor	Electrolyte level sensors
1	Eagle Eye	GFM-100-125V	Ground fault monitor
61	Eagle Eye	BMS Clamp	C-Type and or O-Type clamps
1	Eagle Eye	CT Clamp	CT for measuring current
1	Eagle Eye	CT Cable	Cable for CT connection to CCU
15	Eagle Eye	CAN Cable	BQMS communication cable
15	Eagle Eye	IS Cable	Current sensing cable
15	Eagle Eye	VS Cable	Voltage sensing cable
6	Eagle Eye	TS Cable	Temperature sensing cable
1	Eagle Eye	Input Voltage Cable	Cable set for input voltage measurement
1	Eagle Eye	Ambient Temp Sensor	Sensor for ambient temp. measurement
1	Hubbel-Wiegmann	N412202006WC	Enclosure
1	Hubbel-Wiegmann	NP2020C	Enclosure subpanel
1	Hubbel-Wiegmann	N412MFK	Enclosure mounting hardware
1	Mean Well	DR-15-12	Switching power supply, 125VAC to 12VDC
2	ASI	ASIUK10DREHSI	Fused terminal block
2	Littlefuse	0977002.MXP	Terminal block fuse
8	ASI	CB110	Terminal block
1	Panduit	F1X2LG6	Cable tray
1	Panduit	C1LG6	Cable tray cover


EAGLE EYE POWER SOLUTIONS, LLC			
CONTRACT NUMBER	--		PLANT UNIT NUMBER
DRAWING TYPE	Wiring		SYSTEM
DESCRIPTION	Battery Monitoring Enclosure		EE-NERC-BMS-60C
DRAWING NUMBER	EE-NERC-BMS-60C-D	REV	3
		SHEET	1/12

ENCLOSURE WIRING

NOTES:

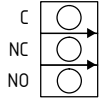
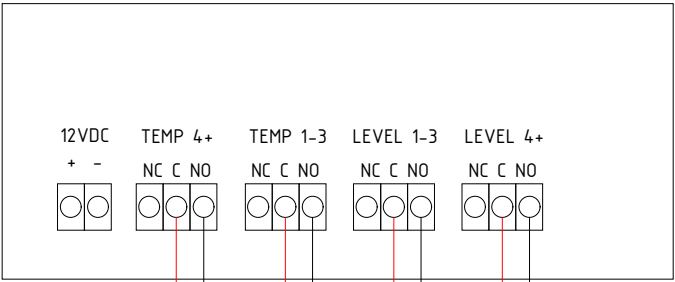
FIELD CONNECTION



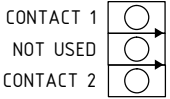
	
CONTRACT NUMBER	PLANT UNIT NUMBER
--	--
DRAWING TYPE	SYSTEM
Wiring	EE-NERC-BMS-60C
DESCRIPTION	
Battery Monitoring Enclosure	
DRAWING NUMBER	REV
EE-NERC-BMS-60C-D	3
	SHEET
	2/12

ALARM WIRING

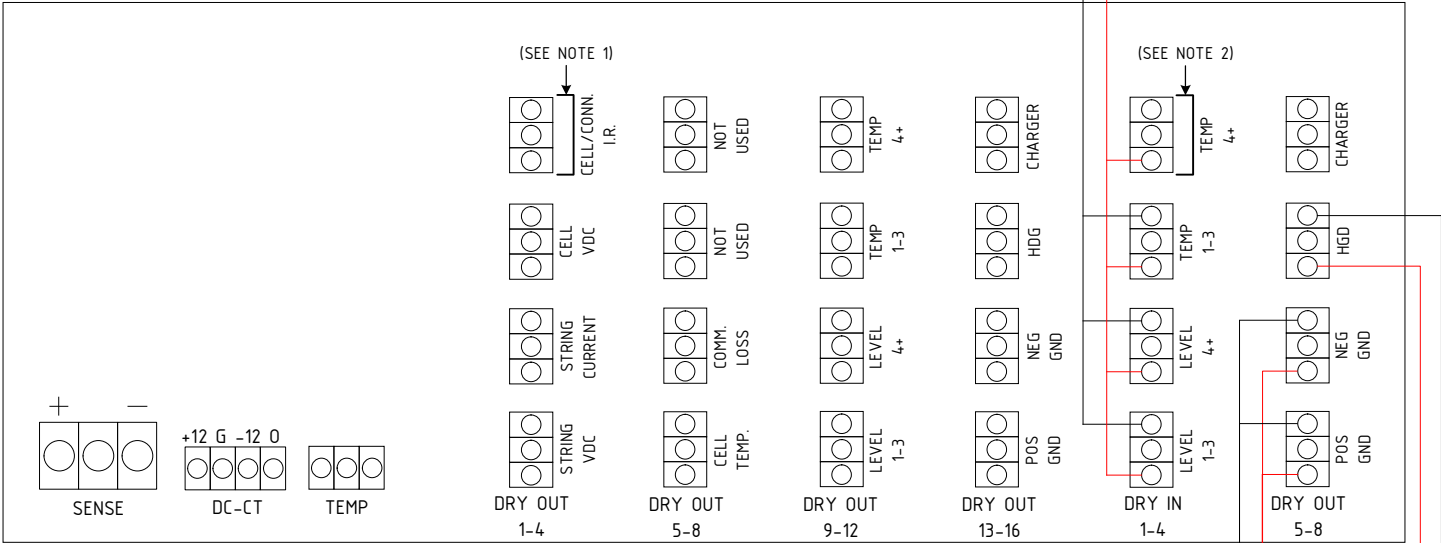
ELM



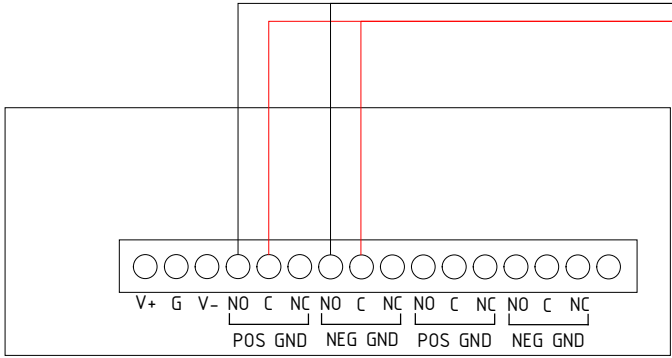
NOTE 1: CCU DRY OUTPUT



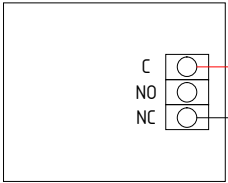
NOTE 2: CCU DRY INPUT




BQMS CCU



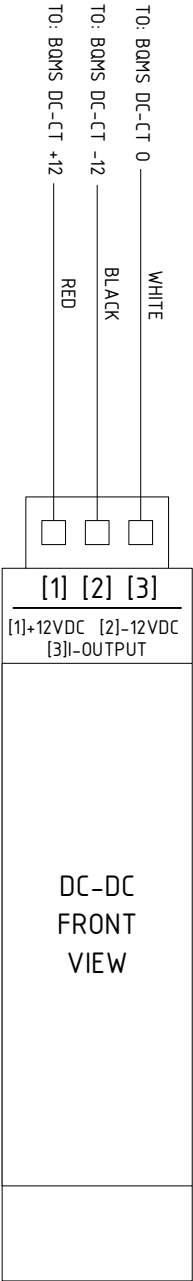
GFM




HGD

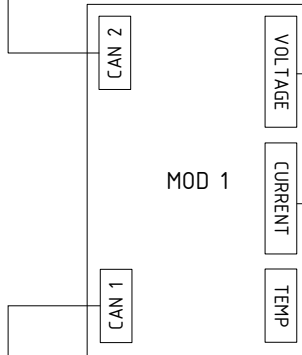
EAGLE EYE POWER SOLUTIONS, LLC			
CONTRACT NUMBER	--	PLANT UNIT NUMBER	--
DRAWING TYPE	Wiring	SYSTEM	EE-NERC-BMS-60C
DESCRIPTION			
Battery Monitoring Enclosure			
DRAWING NUMBER	EE-NERC-BMS-60C-D	REV	SHEET
		4	3/12

DC-CT WIRING



EAGLE EYE POWER SOLUTIONS, LLC			
CONTRACT NUMBER --		PLANT UNIT NUMBER --	
DRAWING TYPE Wiring		SYSTEM EE-NERC-BMS-60C	
DESCRIPTION Battery Monitoring Enclosure			
DRAWING NUMBER EE-NERC-BMS-60C-D		REV 3	SHEET 4/12

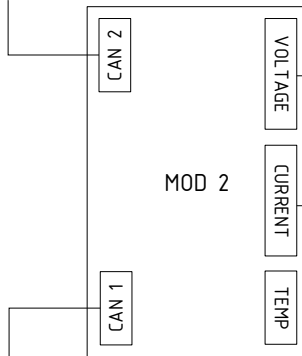
FROM: BQMS
'CAN 1'



V1

I1

MOD 2



V2

I2

TO: MOD 3
'CAN 2'

TO: MOD 3
'VOLTAGE'
FROM: MOD 3
'CURRENT'

TO: TB1(+)

V1: GY
I1: RD

VS
IS

CLAMP 1

TO: ELM 'IN'

V1: GR
I1: RD

VS
IS

CLAMP 2

V1: BL
I1: RD

VS
IS

CLAMP 3

V1: OR
I1: RD

VS
IS

CLAMP 4

V1: BR
V2: GY
I1: BL
I2: RD

VS
IS

CLAMP 5

V2: GR
I2: RD

VS
IS

CLAMP 6

V2: BL
I2: RD

VS
IS

CLAMP 7

V2: OR
I2: RD

VS
IS

CLAMP 8

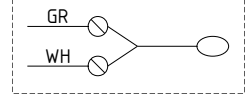
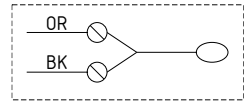
V2: BR
V3: GY
I2: BL
I3: RD

VS
IS

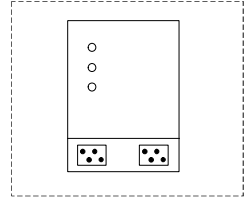
CLAMP 9

TO: S09


TO:
BATTERY 9

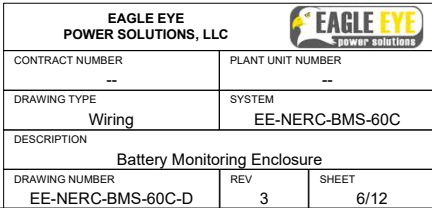


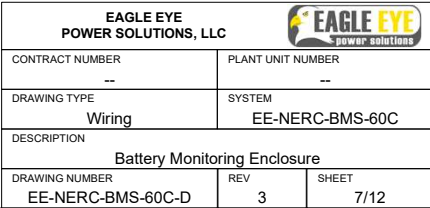
TEMP SENSOR
CONNECTIONS

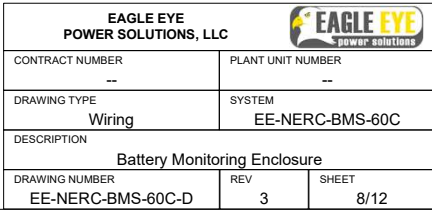


ELM SENSOR
CONNECTIONS

<div>EAGLE EYE POWER SOLUTIONS, LLC</div>		<div></div>
CONTRACT NUMBER	PLANT UNIT NUMBER	
--	--	
DRAWING TYPE	SYSTEM	
Wiring	EE-NERC-BMS-60C	
DESCRIPTION		
Battery Monitoring Enclosure		
DRAWING NUMBER	REV	SHEET
EE-NERC-BMS-60C-D	3	5/12







FROM: MOD 10
'CAN 1'

TO: MOD 13
'CAN 2'

MOD 11

MOD 12

TO: CLAMP 41
'VS'
TO: CLAMP 41
'IS'

V9: GY
I9: RD

V11: GR
V11: BL
V11: OR
V11: BR
V12: GY
I11: BL
I12: RD

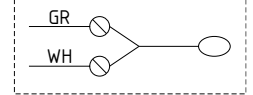
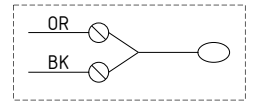
V12: GR
V12: BL
V12: OR
V12: BR
V13: GY
I13: BL
I13: RD

TO: CLAMP 49
'VS'
TO: CLAMP 49
'IS'

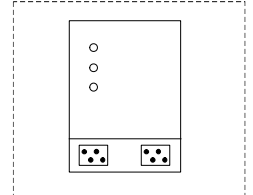
V13: FROM: MOD 13
'VOLTAGE'
FROM: MOD 13
'CURRENT'

FROM: S40


TO: S49

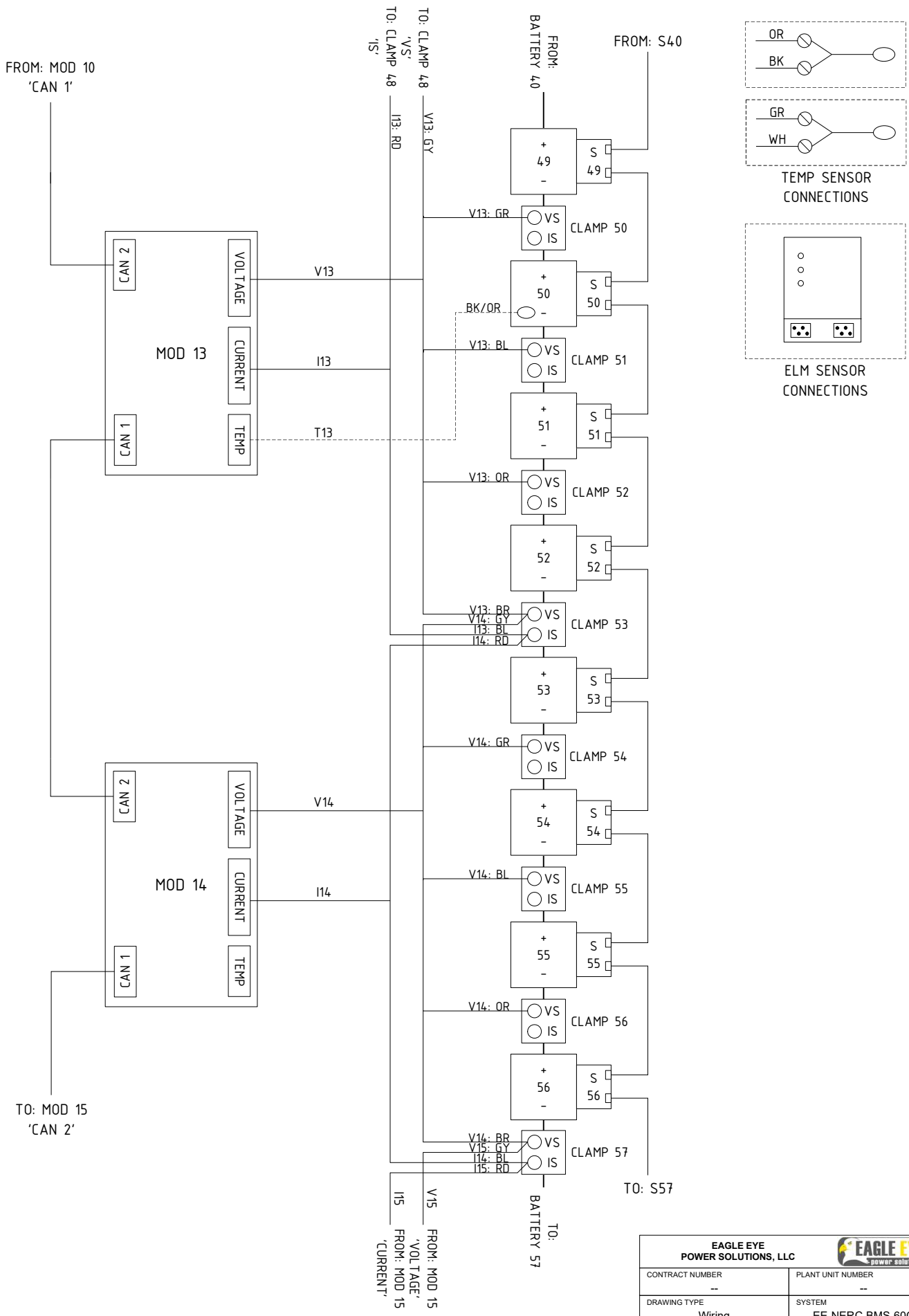


TEMP SENSOR
CONNECTIONS

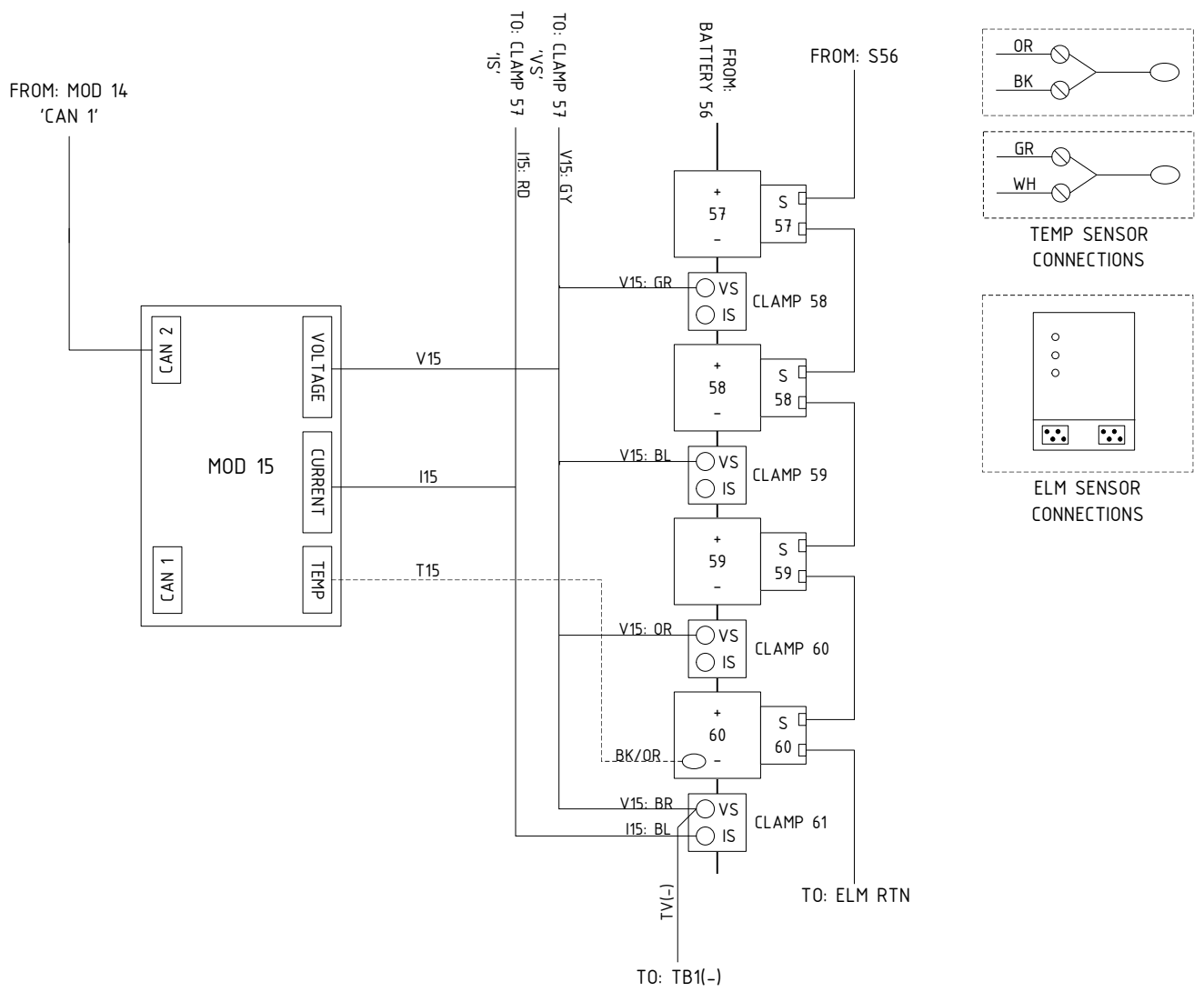


ELM SENSOR
CONNECTIONS

EAGLE EYE POWER SOLUTIONS, LLC		
CONTRACT NUMBER	PLANT UNIT NUMBER	
---	---	
DRAWING TYPE	SYSTEM	
Wiring	EE-NERC-BMS-60C	
DESCRIPTION		
Battery Monitoring Enclosure		
DRAWING NUMBER	REV	SHEET
EE-NERC-BMS-60C-D	3	10/12



EAGLE EYE POWER SOLUTIONS, LLC		
CONTRACT NUMBER	--	
DRAWING TYPE	Wiring	
DESCRIPTION	Battery Monitoring Enclosure	
DRAWING NUMBER	REV	SHEET
EE-NERC-BMS-60C-D	3	11/12



EAGLE EYE POWER SOLUTIONS, LLC			EAGLE EYE power solutions	
CONTRACT NUMBER	--		PLANT UNIT NUMBER	--
DRAWING TYPE	Wiring		SYSTEM	EE-NERC-BMS-60C
DESCRIPTION	Battery Monitoring Enclosure			
DRAWING NUMBER	EE-NERC-BMS-60C-D	REV	3	SHEET 12/12