2 - 2

A4

1 - 1

LAFAYETTE

ESS Wiring Diagram

ESS PCB

12 VDC Power Supply

High Voltage Terminals (behind disconnect)

Jumpers

ESS7

HV GND

HV IN

HV OUT

120V

DCM

12V

DCM

GND

ESS10

FUSE 1

ESS3

ESS4

IC

D1

D2

D3

D4

DIG OUT 5

DIG OUT 6

DIG OUT 7

DIG OUT 8

DIG OUT 9

DIG OUT 10

NC

ANALOGIO

ANALOGII

ANALOGI2

NC

NC

ESS6

12V Relay
Control

12V

DCM

12V

DCM

+12V

-12V

RS485

RS485 J45

Brown
Brn/Wht

Brown
Brn/Wht

L1

L2

L3

T1

T2

T3

12/3 Cable

to Batteries

(sheet 3)

GND

HV GND

ESSE

Manual Disconnect

ESS2

to Temperature points

(sheet 3)

green

white

blue

red

gray/kik/wht

HV

ESS

A3

SENIOR DESIGN II

5 - 9 - 2009

STEVE LOCKETT

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Terminal in ESS Enclosure