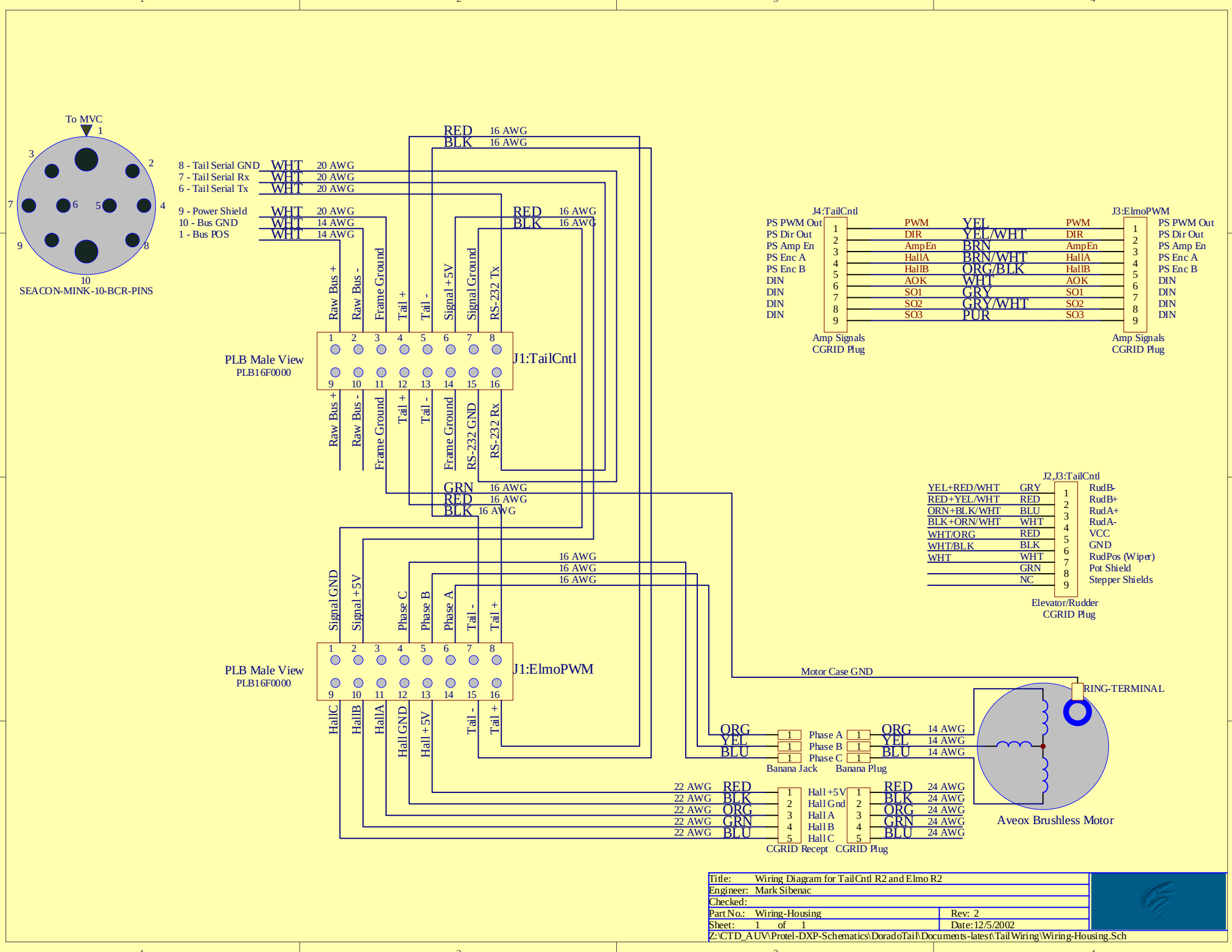
To MVC
SEACON-MINK-10-BCR-PINS
8 - Tail Serial GND WHT 20 AWG
7 - Tail Serial Rx WHT 20 AWG
6 - Tail Serial Tx WHT 20 AWG
9 - Power Shield WHT 20 AWG
10 - Bus GND WHT 14 AWG
1 - Bus POS WHT 14 AWG
RED 16 AWG
BLK 16 AWG
PLB Male View
PLB16F0000
J1:TailCntl
Raw Bus +
Raw Bus -
Frame Ground
Tail +
Tail -
Signal +5V
Signal Ground
RS-232 Tx
RS-232 GND
RS-232 Rx
GRN 16 AWG
J1:ElmoPWM
Signal GND
Phase C
Phase B
Phase A
HallC
HallB
HallA
Hall GND
Hall +5V
J4:TailCntl
PS PWM Out
PS Dir Out
PS Amp En
PS Enc A
PS Enc B
DIN
PWM
DIR
AmpEn
HallA
HallB
AOK
SO1
SO2
SO3
YEL
YEL/WHT
BRN
BRN/WHT
ORG/BLK
WHT
GRY
GRY/WHT
PUR
J3:ElmoPWM
Amp Signals
CGRID Plug
J2,J3:TailCntl
YEL+RED/WHT GRY RudB-
RED+YEL/WHT RED RudB+
ORN+BLK/WHT BLU RudA+
BLK+ORN/WHT WHT RudA-
WHT/ORG RED VCC
WHT/BLK BLK GND
WHT WHT RudPos (Wiper)
GRN Pot Shield
NC Stepper Shields
Elevator/Rudder
CGRID Plug
Motor Case GND
RING-TERMINAL
ORG
YEL
BLU
Phase A
Phase B
Phase C
Banana Jack
Banana Plug
14 AWG
22 AWG
Hall +5V
Hall Gnd
Hall A
Hall B
Hall C
24 AWG
CGRID Recept
CGRID Plug
Aveox Brushless Motor
Title: Wiring Diagram for TailCntl R2 and Elmo R2
Engineer: Mark Sibenac
Checked:
Part No.: Wiring-Housing
Rev: 2
Sheet: 1 of 1
Date: 12/5/2002
Z:\CTD_AUV\Protel-DXP-Schematics\DoradoTail\Documents-latest\TailWiring\Wiring-Housing.Sch