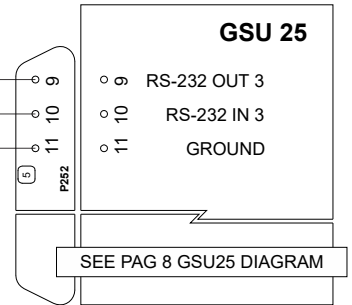
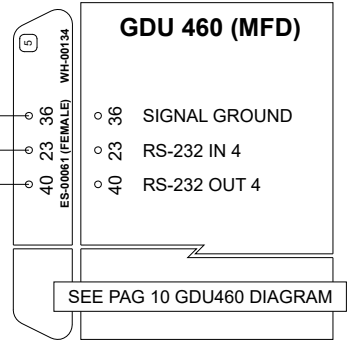
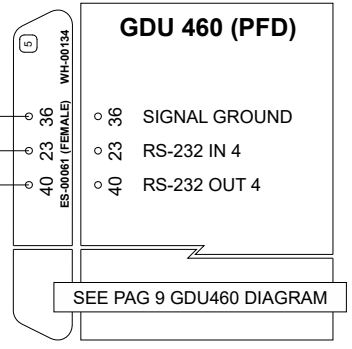
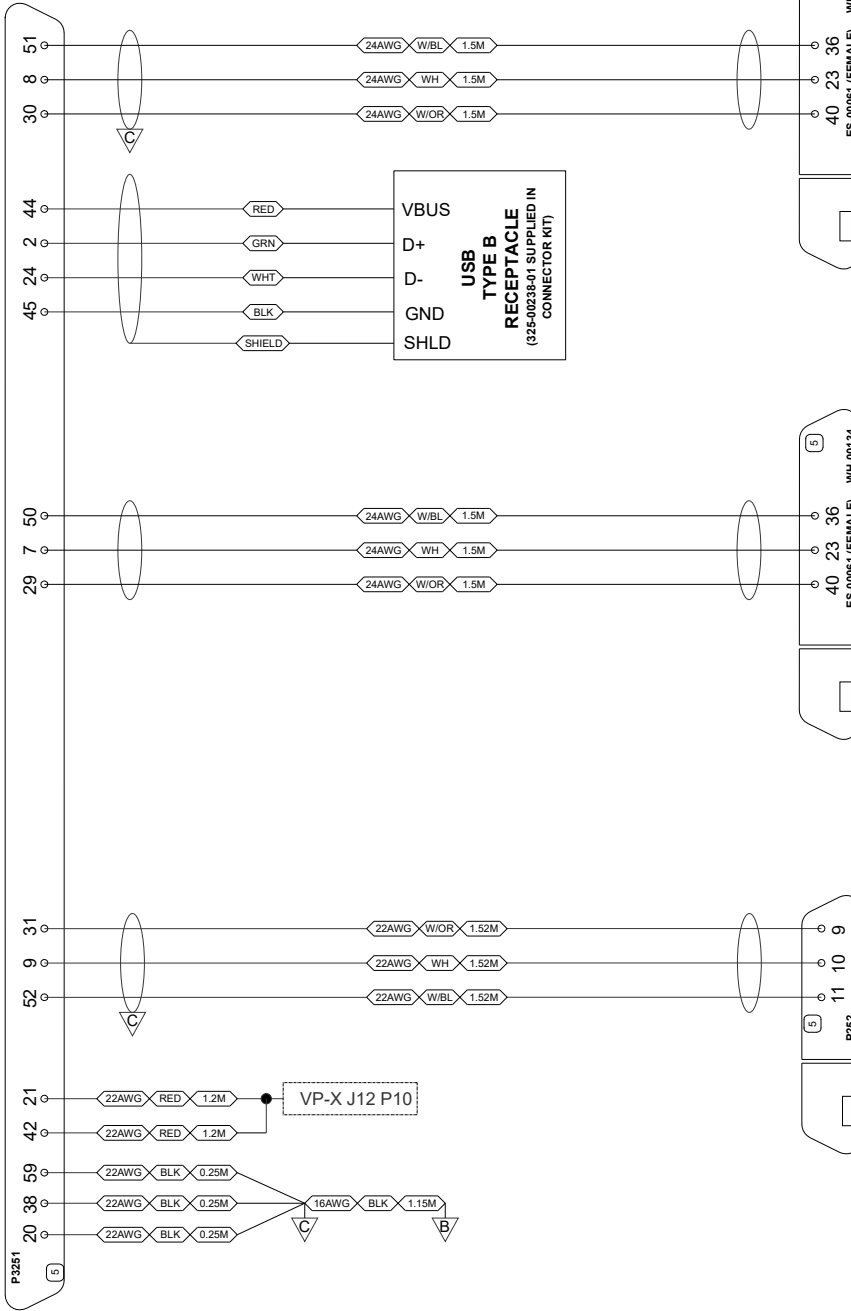
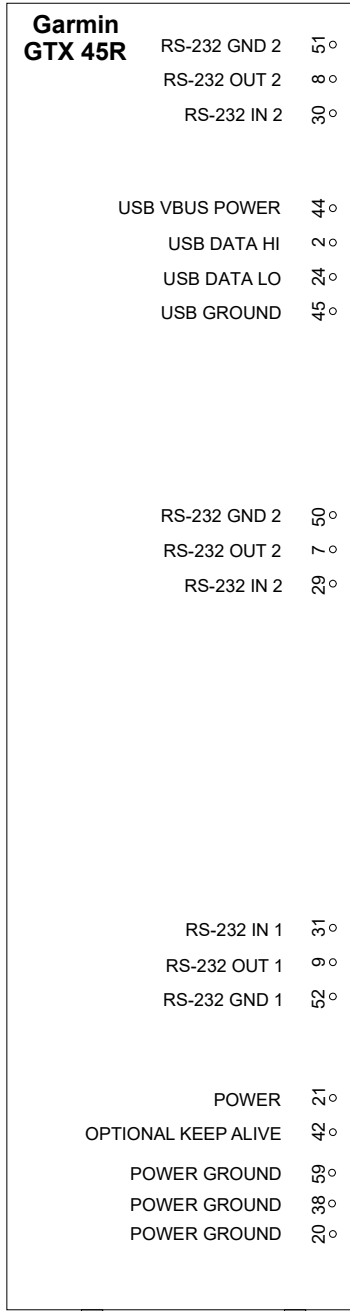




NOTES:

WIRING HARNESS NUMBER IF APPLICABLE

GARMIN DRAWING KEY

CONNECTOR BODY PART NUMBER: ES-XXXXXX, WH-XXXXXX, G411J

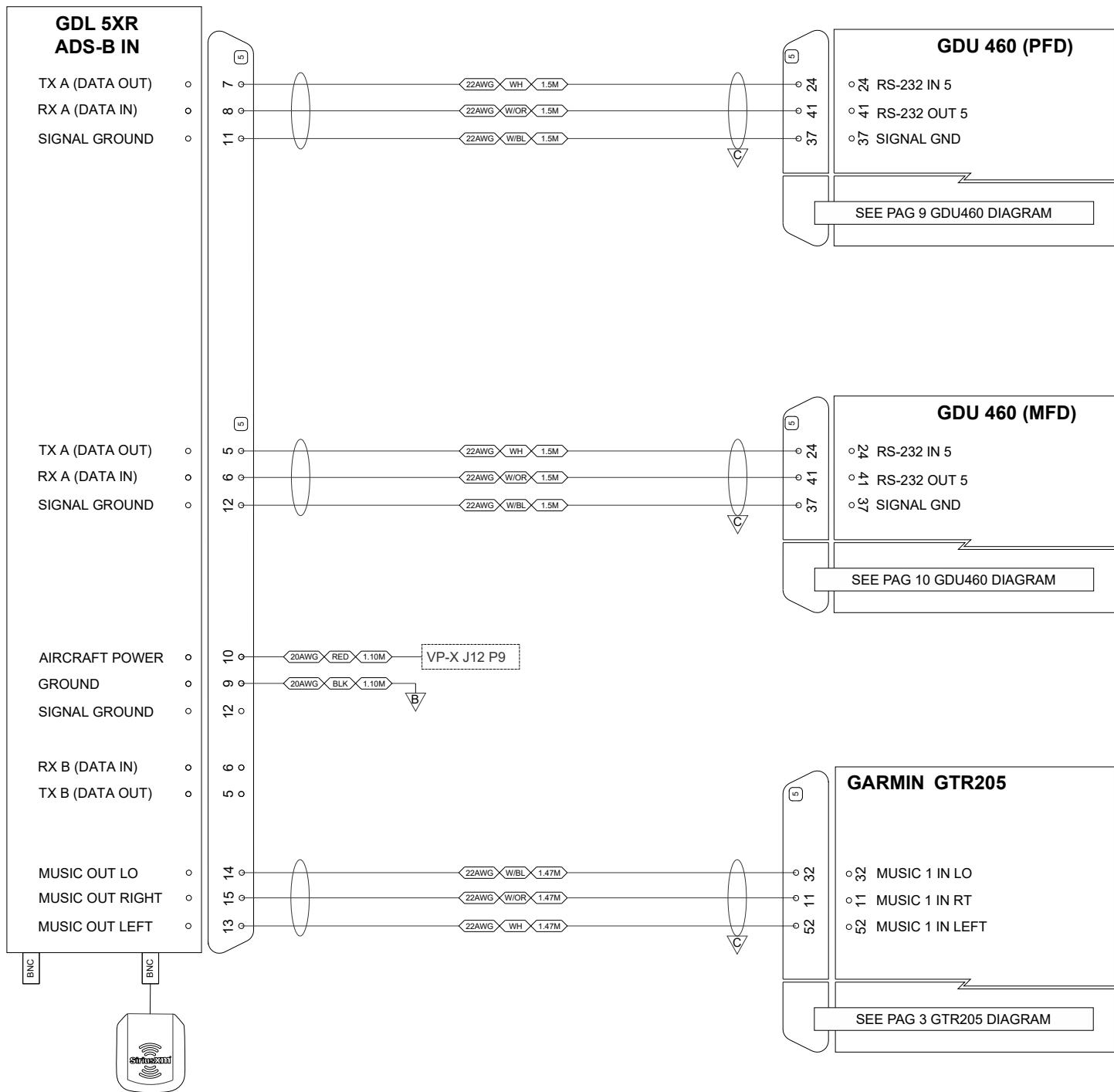
PIN & PIN NUMBER: 1, 2, 3, 4, 5, 6, 7, 8, 9

MAX AMPERAGE PER PIN

GROUNDING: C/ GROUNDED AT THE NEARBY CONNECTOR (22AWG GRAY 0.10M), B/ GROUNDED AT THE PANEL BUS BAR

WIRE GAUGE: 20AWG, COLOR: RED, LENGHT (METERS): 0.88M

REVISIONS		REVISED		DATE		BY		APPROVED		SCALE:	
00	01	APPROVED FOR PRODUCTION	APPROVED FOR PRODUCTION	02.03.25	05.09.25	D.MACARIO	J. BUENO	F. ABBUD	F. ABBUD	NONE	27.03.25
DRAWN BY: E. MELLO										PAGE: 1-20	



NOTES:

⌋ GROUNDED AT THE NEARBY CONNECTOR (22AWG GRAY 0.10M)

⌋ GROUNDED AT THE PANEL BUS BAR

20AWG RED 0.88M

WIRE GAUGE COLOR LENGHT (METERS)

GDL 5XR DIAGRAM

ED_XP_001-01

REVISIONS				SCALE:		NONE	
REV	DESCRIPTION	DATE DDMMYY	VERIFIED	APPROVED	DATE DRAWN:	27.03.25	
00	APPROVED FOR PRODUCTION	02.03.25	D.MACARIO	F.ABBUD	DRAWN BY:	E. MELLO	
01	APPROVED FOR PRODUCTION	05.09.25	J. BUENO	F. ABBUD	PAGE:	2-20	



GARMIN GTR205

MUSIC 1 IN LEFT
MUSIC 1 IN RT
MUSIC 1 IN LO

CAN HI
CAN LO

CO-PILOT HEADSET RT
CO-PILOT HEADSET LFT
CO-PILOT HEADSET LO
CO-PILOT MIC HI
CO-PILOT MIC LO

PTT COPILOT

PILOT HEADSET RT
PILOT HEADSET LFT
PILOT HEADSET LO
PILOT MIC HI
PILOT MIC LO

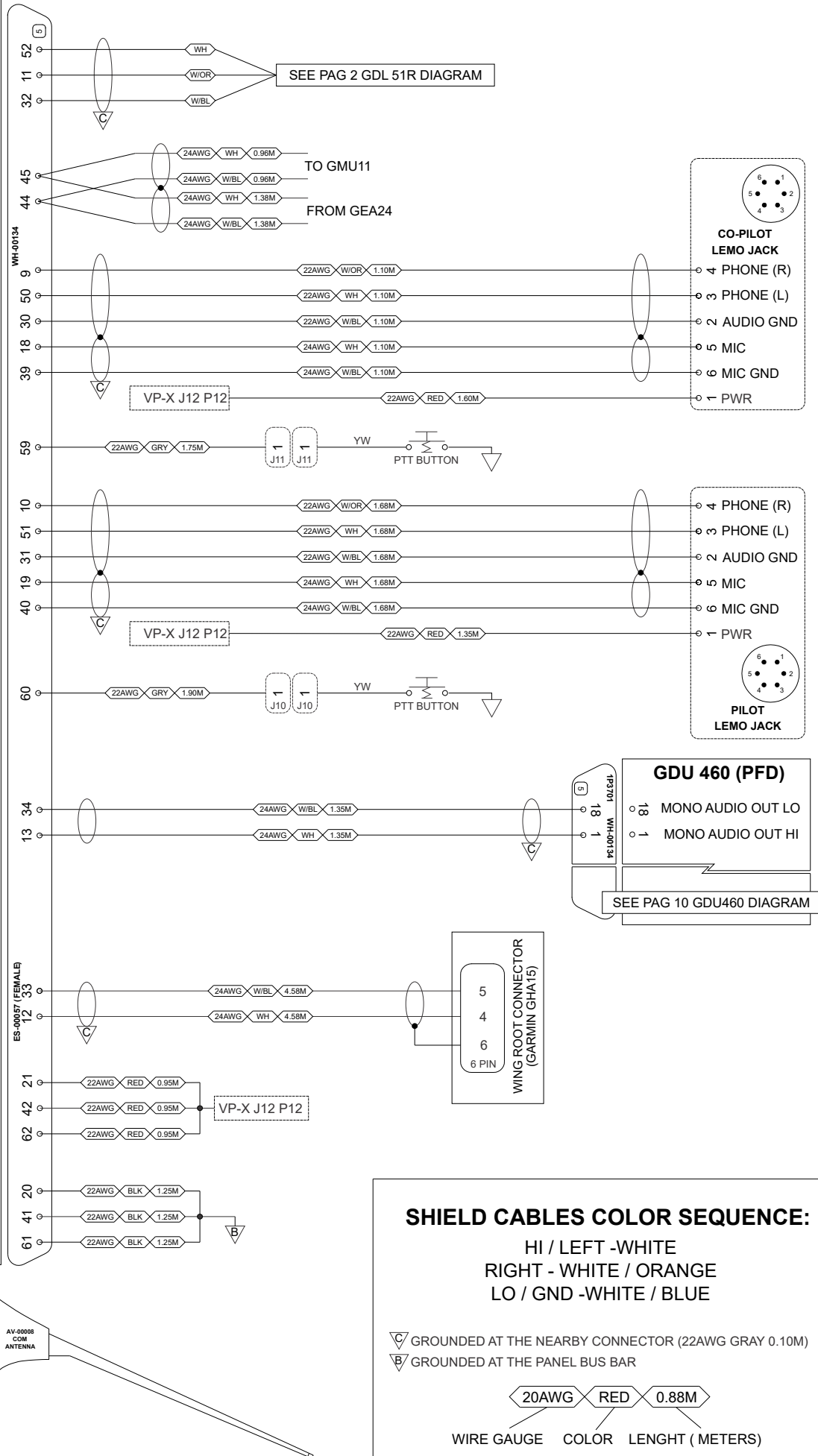
PTT PILOT

(STALL WARN) AUX 1 AUDIO IN LO
(STALL WARN) AUX 1 AUDIO IN HI

AUX 2 AUDIO IN LO
AUX 2 AUDIO IN HI

AIRCRAFT POWER

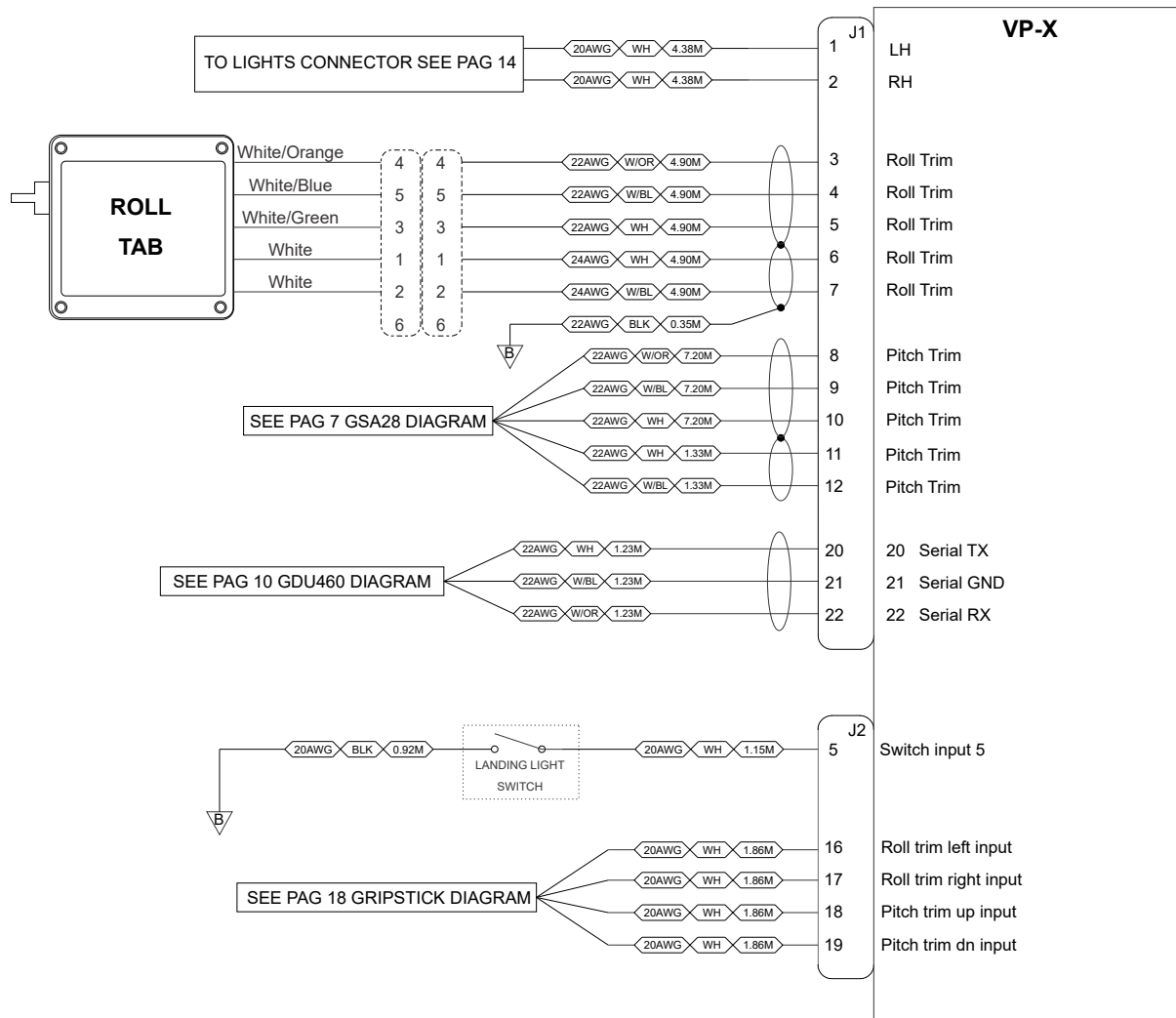
AIRCRAFT GND



GTR 205 DIAGRAM

ED_XP_001-01

REV		REVISIONS		DATE DD/MM/YY		VERIFIED		APPROVED		SCALE:		NONE	
00	01	APPROVED FOR PRODUCTION		02.03.25		D.MACARIO		F.ABBUD		DATE DRAWN:		27.03.25	
		APPROVED FOR PRODUCTION		05.09.25		J. BUENO		F. ABBUD		DRAWN BY:		E. MELLO	
										PAGE:		3-20	



SHIELD CABLES COLOR SEQUENCE:

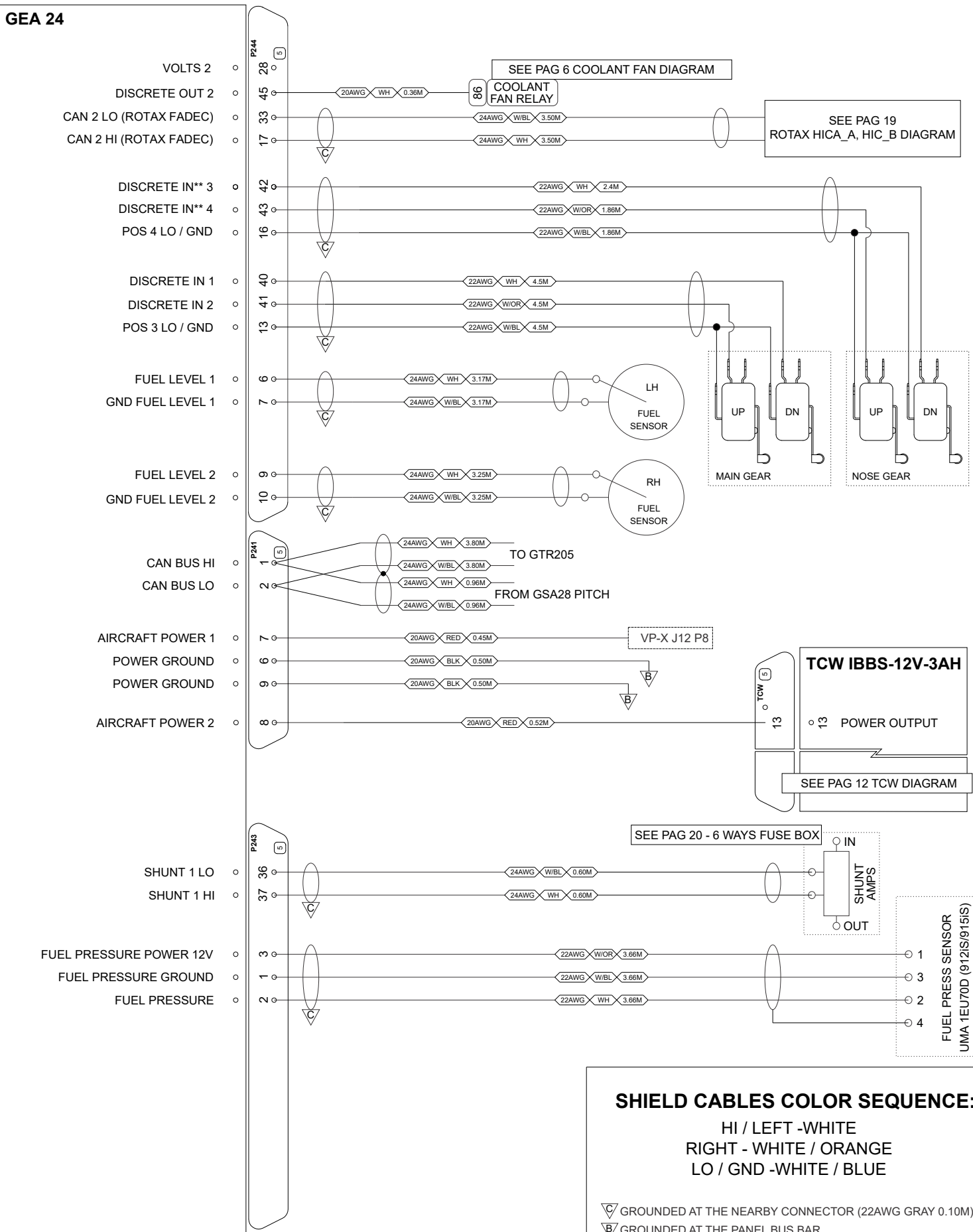
HI / LEFT -WHITE
RIGHT - WHITE / ORANGE
LO / GND -WHITE / BLUE

⌋ GROUNDING AT THE NEARBY CONNECTOR (22AWG GRAY 0.10M)

⌋ GROUNDING AT THE PANEL BUS BAR

20AWG RED 0.88M
WIRE GAUGE COLOR LENGHT (METERS)

GEA 24

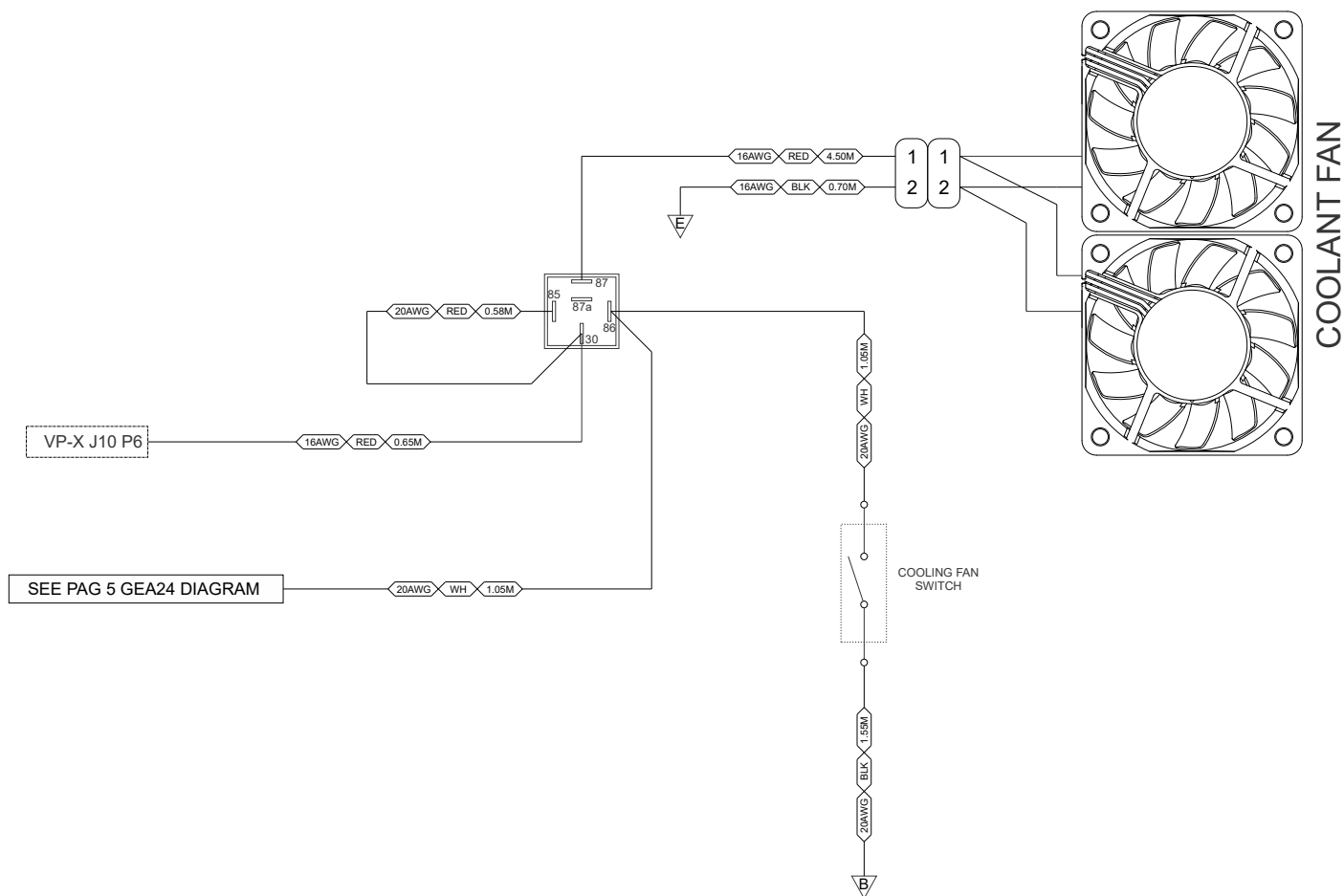


GEA 24 DIAGRAM

ED_XP_001-01

REVISIONS				SCALE:		NONE	
REV	DESCRIPTION	DATE DD/MM/YY	VERIFIED	APPROVED	DATE DRAWN:	27.03.25	
00	APPROVED FOR PRODUCTION	02.03.25	D.MACARIO	F.ABBUD	DRAWN BY:	E. MELLO	
01	APPROVED FOR PRODUCTION	05.09.25	J. BUENO	F. ABBUD	PAGE:	5-20	





SHIELD CABLES COLOR SEQUENCE:

HI / LEFT - WHITE
 RIGHT - WHITE / ORANGE
 LO / GND - WHITE / BLUE

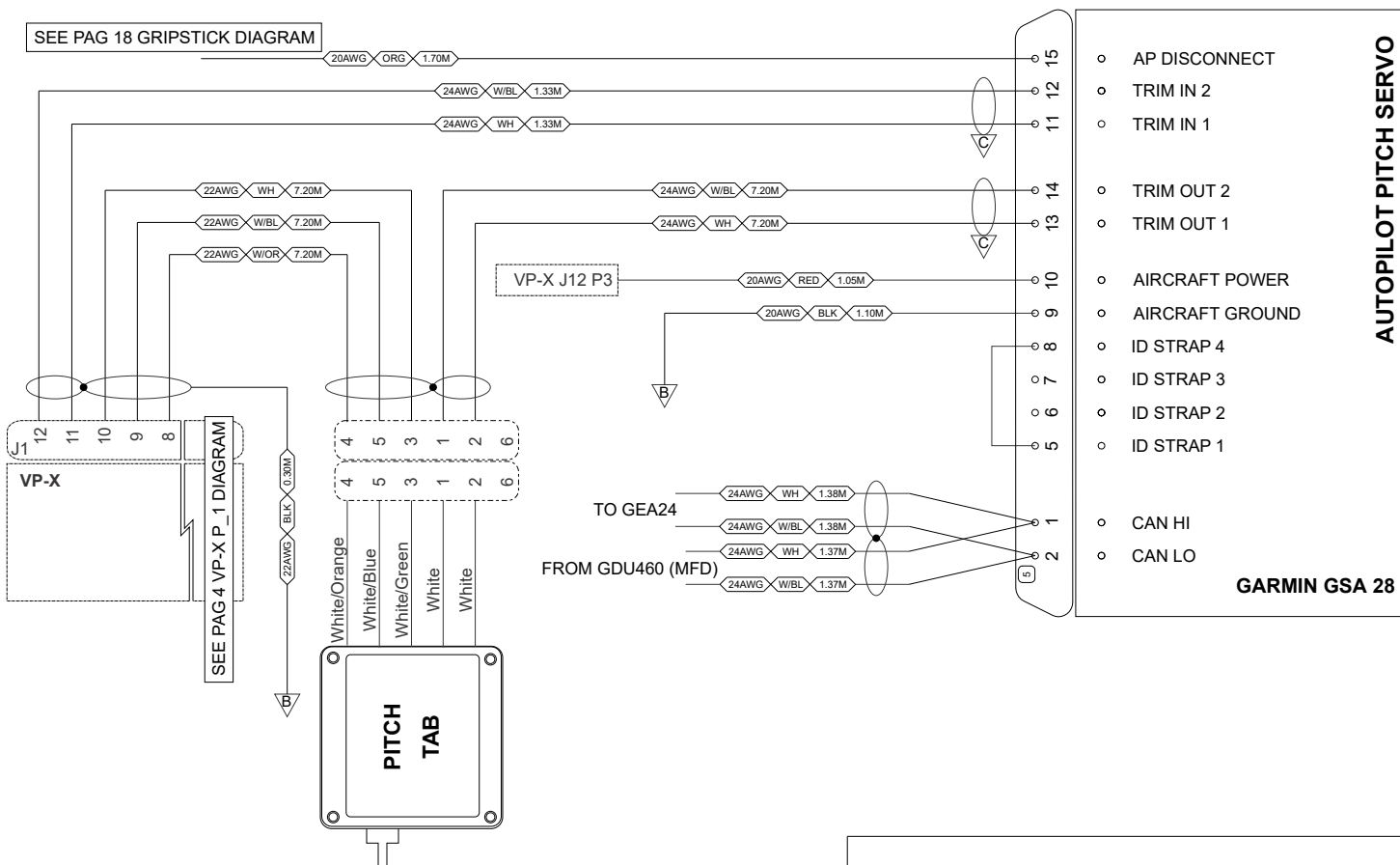
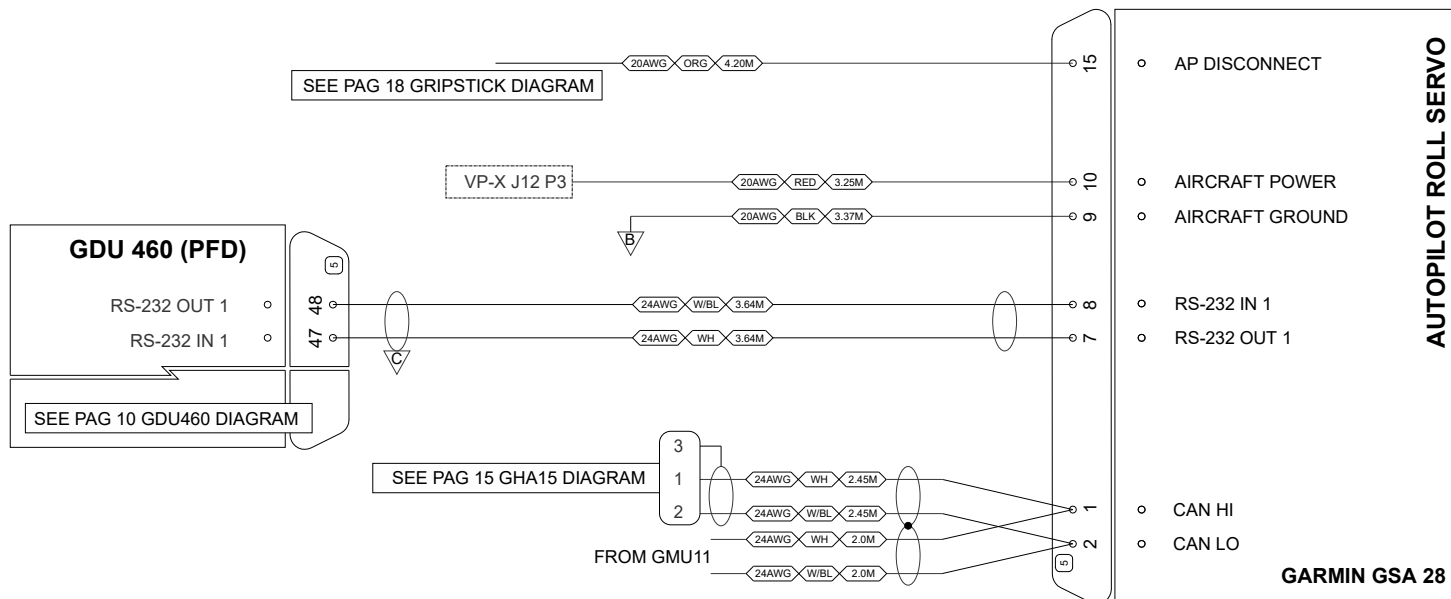
- C** GROUNDED AT THE NEARBY CONNECTOR (22AWG GRAY 0.10M)
- B** GROUNDED AT THE PANEL BUS BAR
- E** GROUNDED AT THE ENGINE CRANCKCASE

20AWG RED 0.88M
 WIRE GAUGE COLOR LENGHT (METERS)

COOLING FAN DIAGRAM

ED_XP_001-01

REVISIONS				SCALE:		NONE	
REV	DESCRIPTION	DATE DDMMYY	VERIFIED	APPROVED	DATE DRAWN:	27.03.25	
00	APPROVED FOR PRODUCTION	02.03.25	D.MACARIO	F.ABBUD	DRAWN BY:	E. MELLO	
01	APPROVED FOR PRODUCTION	05.09.25	J. BUENO	F. ABBUD	PAGE:	6-20	



SHIELD CABLES COLOR SEQUENCE:

HI / LEFT -WHITE
RIGHT - WHITE / ORANGE
LO / GND -WHITE / BLUE

⌋ GROUNDING AT THE NEARBY CONNECTOR (22AWG GRAY 0.10M)

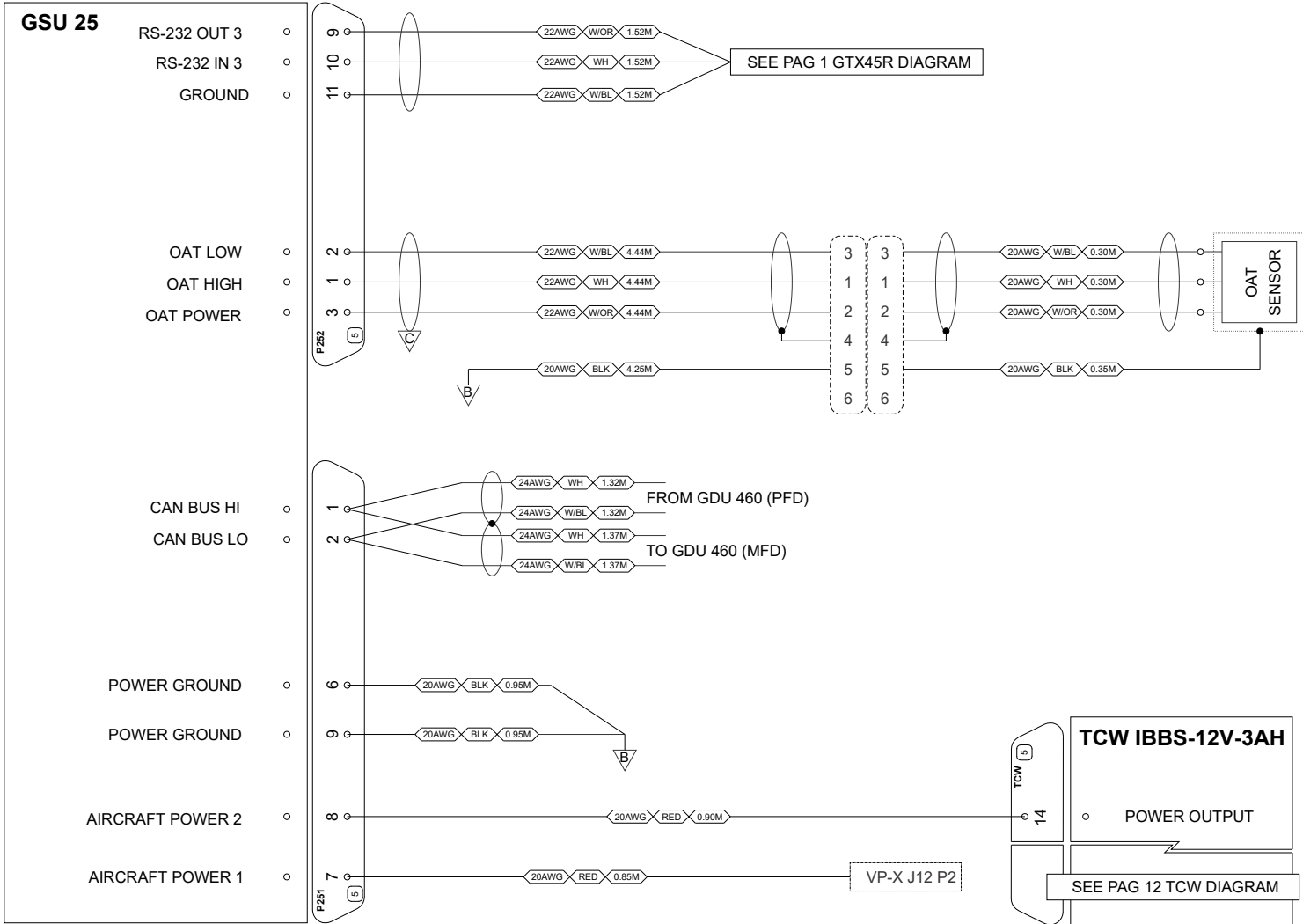
⌋ GROUNDING AT THE PANEL BUS BAR

20AWG RED 0.88M
WIRE GAUGE COLOR LENGHT (METERS)

GSA28 DIAGRAM

ED_XP_001-01

REVISIONS		DATE DDMMYY		VERIFIED	APPROVED	SCALE:	NONE
REV	DESCRIPTION	DATE DDMMYY				DATE DRAWN:	27.03.25
00	APPROVED FOR PRODUCTION	02.03.25		D.MACARIO	F.ABBUD	DRAWN BY:	E. MELLO
01	APPROVED FOR PRODUCTION	05.09.25		J. BUENO		PAGE:	7-20



SHIELD CABLES COLOR SEQUENCE:

HI / LEFT -WHITE
RIGHT - WHITE / ORANGE
LO / GND -WHITE / BLUE

⌋ GROUNDING AT THE NEARBY CONNECTOR (22AWG GRAY 0.10M)

⌋ GROUNDING AT THE PANEL BUS BAR

20AWG RED 0.88M

WIRE GAUGE COLOR LENGHT (METERS)

GSU 25 DIAGRAM

ED_XP_001-01

REVISIONS				SCALE:		NONE	
REV	DESCRIPTION	DATE DDMMYY	VERIFIED	APPROVED	DATE DRAWN:	27.03.25	
00	APPROVED FOR PRODUCTION	02.03.25	D.MACARIO	F.ABBUD	DRAWN BY:	E. MELLO	
01	APPROVED FOR PRODUCTION	05.09.25	J. BUENO	F. ABBUD	PAGE:	8-20	

GDU 460 (PFD)

- CONFIGURE MODULE GND
- CONFIGURE MODULE PWR
- CONFIGURE MODULE DATA
- CONFIGURE MODULE CLOCK

SIGNAL GND
(ADS-B) RS-232 OUT 3

RS-232 IN 1
RS-232 OUT 1

SPARE
SPARE
SIGNAL GND

SIGNAL GND
(GMC 307) RS-232 OUT 2
(GMC 307) RS-232 IN 2

AIRCRAFT POWER 1

SPARE
SPARE
SIGNAL GND

AUX 1 AUDIO LO
AUX 1 AUDIO HI

AIRCRAFT POWER 2

CAN BUS HI
CAN BUS LO
CAN BUS TERMINATION

SIGNAL GROUND
CDU SYSTEM ID PROGRAM 1

POWER GROUND
POWER GROUND

SIGNAL GND

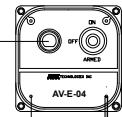
CONFIG MODULE

1
4
3
2

BLK
RED
YEL
WHT

ELT REMOTE

ELT



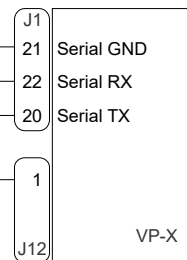
VP-X J10 P8

20AWG RED 2.22M
20AWG BLK 2.65M
20AWG WH 2.65M
20AWG WH 0.15M

PWR
GND
GPS RX
TEST TX

SEE PAG 7 GSA28 DIAGRAM

SEE PAG 1 GTX45R DIAGRAM



SEE PAG 2 GDL 51R DIAGRAM

SEE PAG 3 GTR205 DIAGRAM

TCW IBBS-12V-3AH

POWER OUTPUT

SEE PAG 12 TCW DIAGRAM

TO GARMIN G5

SHIELD CABLES COLOR SEQUENCE:

HI / LEFT - WHITE
RIGHT - WHITE / ORANGE
LO / GND - WHITE / BLUE

GROUNDING AT THE NEARBY CONNECTOR (22AWG GRAY 0.10M)
GROUNDING AT THE PANEL BUS BAR

20AWG RED 0.88M
WIRE GAUGE COLOR LENGHT (METERS)

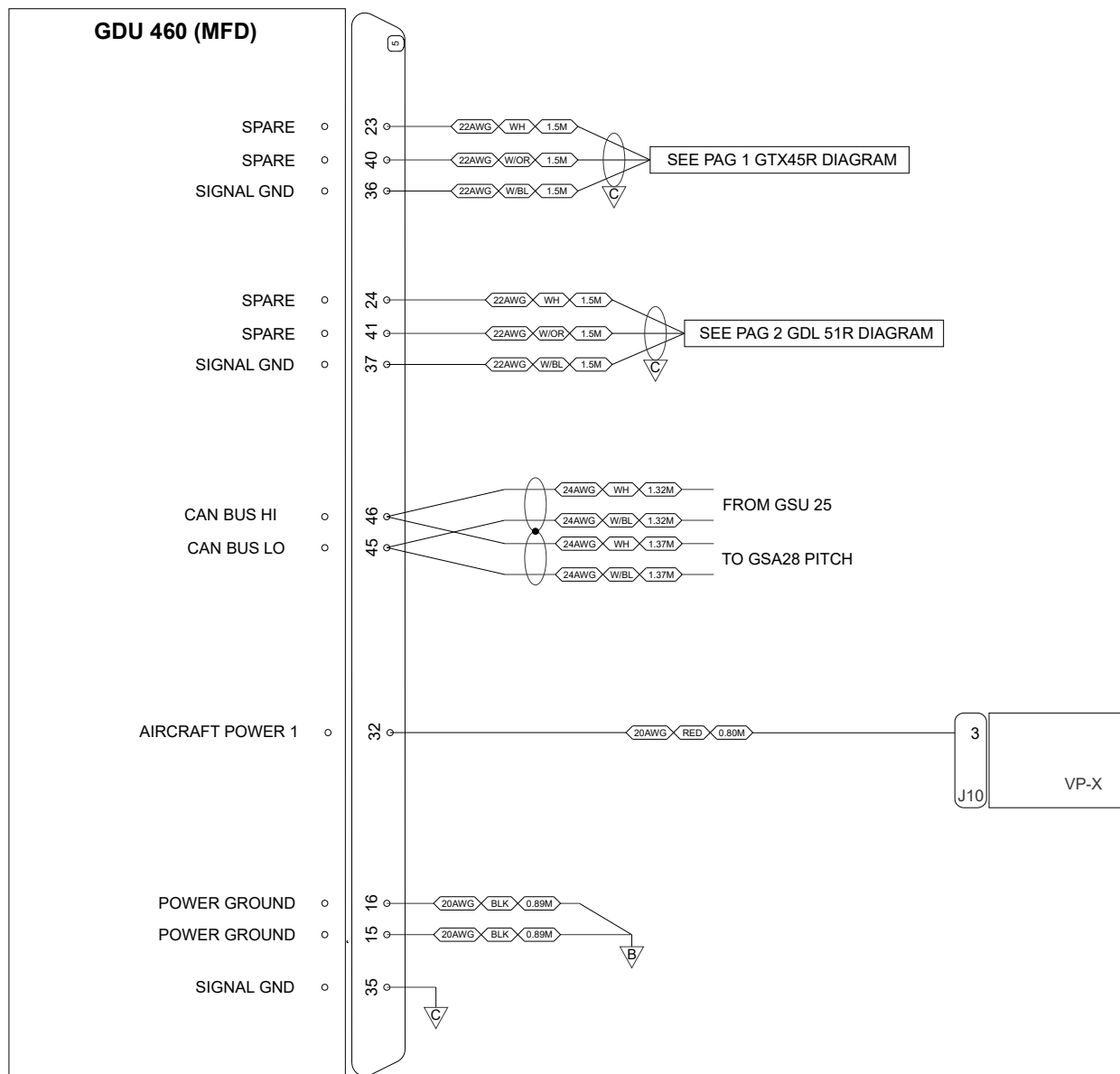
GDU 460 (PFD) DIAGRAM

ED_XP_001-01

REVISIONS			
REV	DESCRIPTION	DATE DDMMYY	VERIFIED
00	APPROVED FOR PRODUCTION	02.03.25	D.MACARIO
01	APPROVED FOR PRODUCTION	05.09.25	J. BUENO

SCALE:	NONE
DATE DRAWN:	27.03.25
DRAWN BY:	E. MELLO
PAGE:	9-20





SHIELD CABLES COLOR SEQUENCE:

HI / LEFT -WHITE
RIGHT - WHITE / ORANGE
LO / GND -WHITE / BLUE

⌋ GROUNDING AT THE NEARBY CONNECTOR (22AWG GRAY 0.10M)

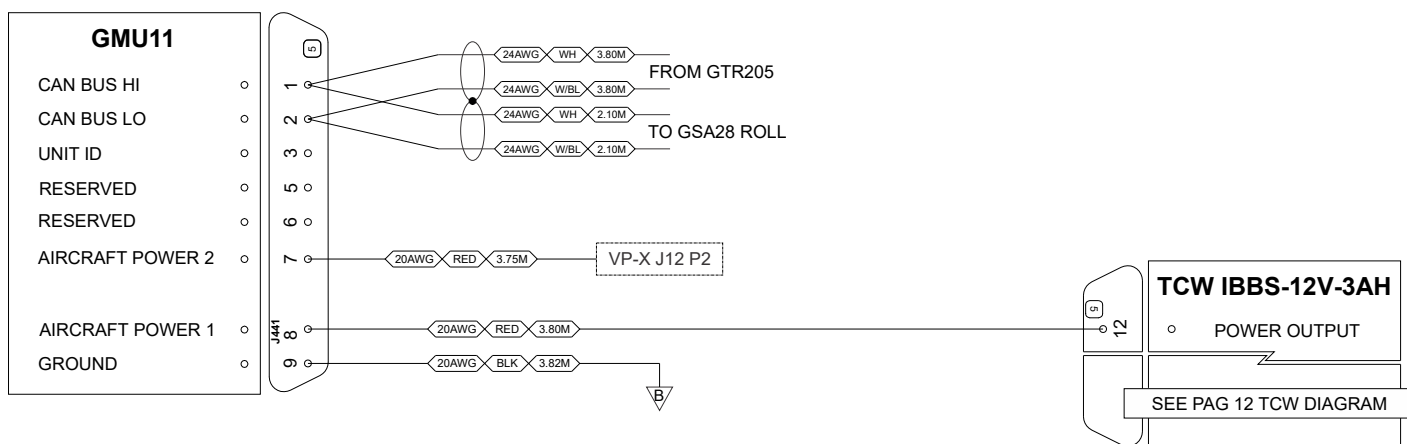
⌋ GROUNDING AT THE PANEL BUS BAR

20AWG RED 0.88M
WIRE GAUGE COLOR LENGHT (METERS)

GDU 460 (MFD) DIAGRAM

ED_XP_001-01

REVISIONS					SCALE: NONE	
REV	DESCRIPTION	DATE DD/MM/YY	VERIFIED	APPROVED	DATE DRAWN:	27.03.25
00	APPROVED FOR PRODUCTION	02.03.25	D.MACARIO	F.ABBUD	DRAWN BY:	E. MELLO
01	APPROVED FOR PRODUCTION	05.09.25	J. BUENO	F. ABBUD		
					PAGE:	10-20



SHIELD CABLES COLOR SEQUENCE:

HI / LEFT -WHITE
RIGHT - WHITE / ORANGE
LO / GND -WHITE / BLUE

⌋ GROUND AT THE NEARBY CONNECTOR (22AWG GRAY 0.10M)

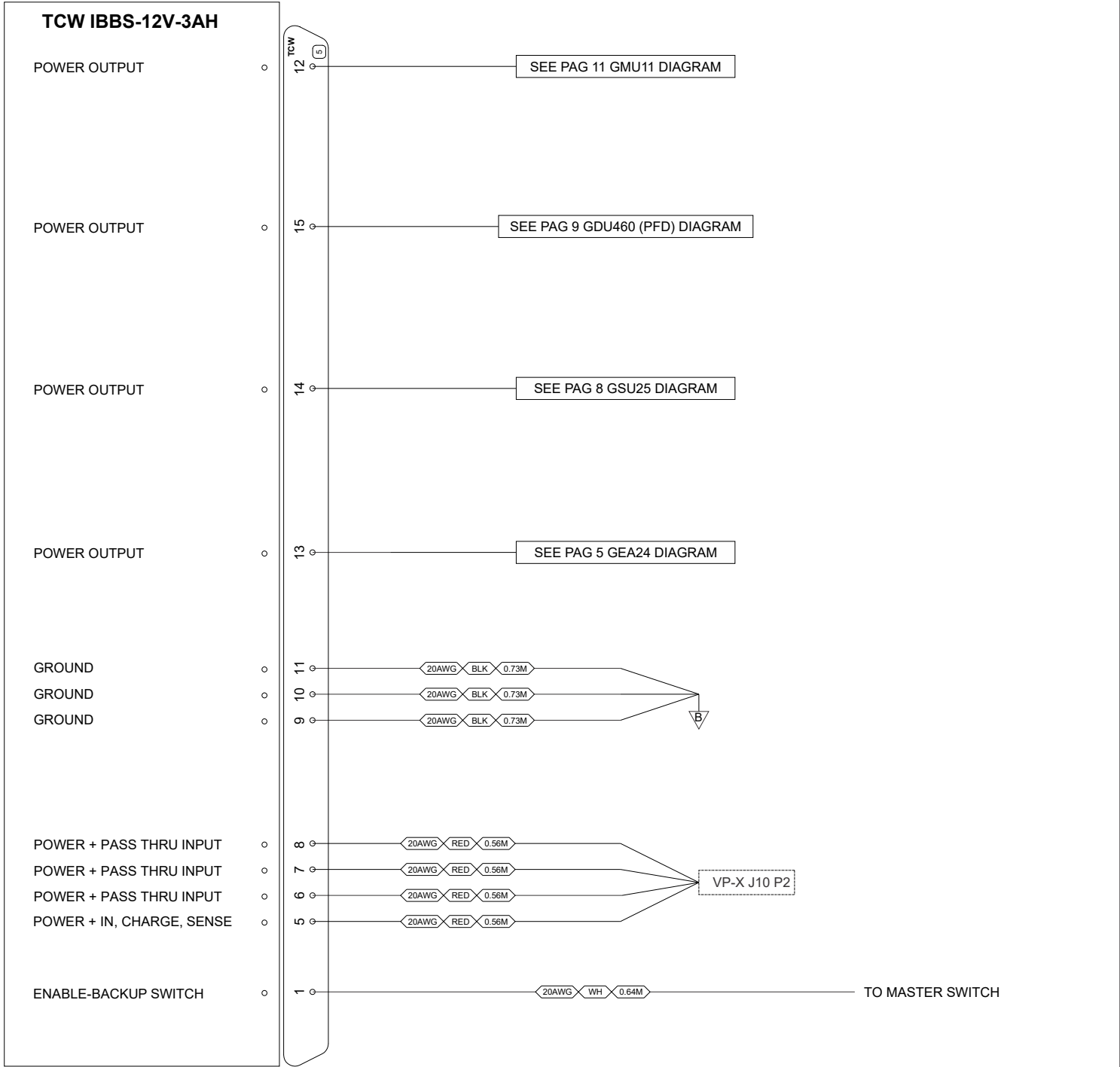
⌋ GROUND AT THE PANEL BUS BAR

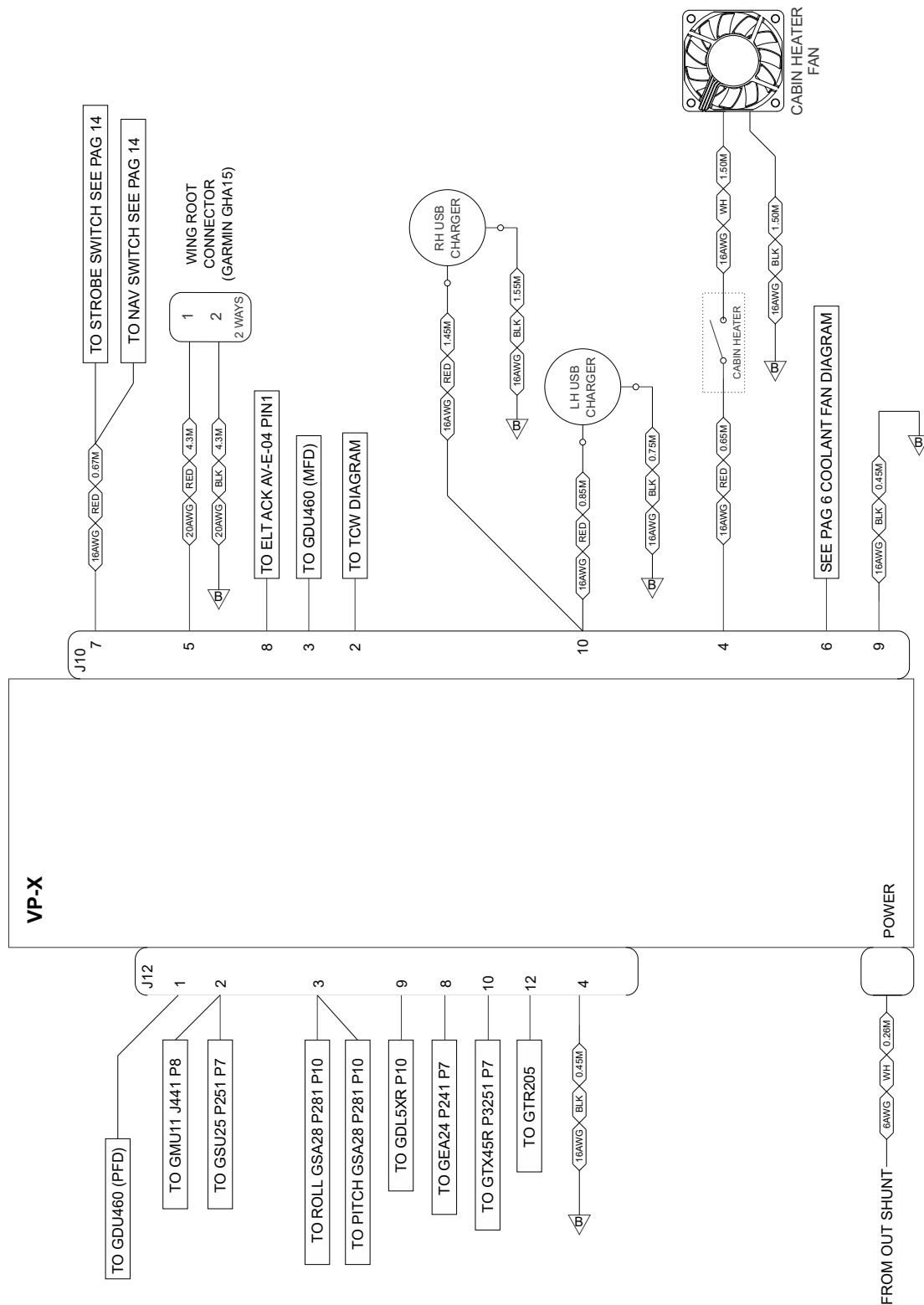
20AWG RED 0.88M
WIRE GAUGE COLOR LENGHT (METERS)

GMU 11 DIAGRAM

ED_XP_001-01

REVISIONS				SCALE:		NONE	
REV	DESCRIPTION	DATE DD/MM/YY	VERIFIED	APPROVED	DATE DRAWN:	27.03.25	
00	APPROVED FOR PRODUCTION	02.03.25	D.MACARIO	F.ABBUD	DRAWN BY:	E. MELLO	
01	APPROVED FOR PRODUCTION	05.09.25	J. BUENO	F. ABBUD	PAGE:	11-20	





SHIELD CABLES COLOR SEQUENCE:

HI / LEFT - WHITE
RIGHT - WHITE / ORANGE
LO / GND - WHITE / BLUE

⌋ GROUND AT THE NEARBY CONNECTOR (22AWG GRAY 0.10M)

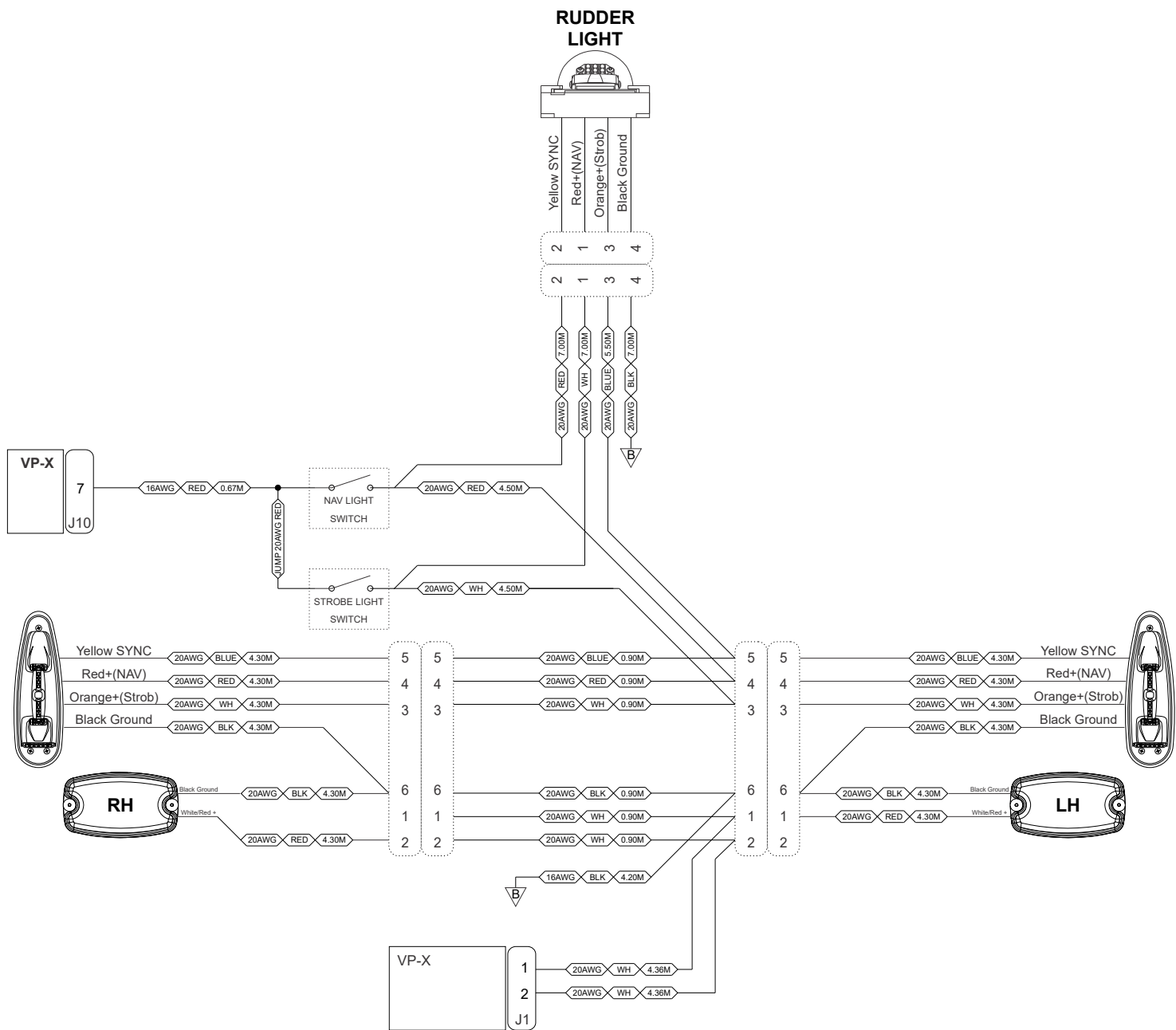
⌋ GROUND AT THE PANEL BUS BAR

20AWG RED 0.88M
WIRE GAUGE COLOR LENGHT (METERS)

VP-X DIAGRAM P_2

ED_XP_001-01

REV		REVISIONS		DATE		VERIFIED	APPROVED	SCALE:	NONE
00	DESCRIPTION	02.03.25	D.MACARIO	05.09.25	J. BUENO	F. ABBUD	F. ABBUD	DATE DRAWN:	27.03.25
01	APPROVED FOR PRODUCTION							DRAWN BY:	E. MELLO
	APPROVED FOR PRODUCTION							PAGE:	13-20



SHIELD CABLES COLOR SEQUENCE:

HI / LEFT - WHITE
RIGHT - WHITE / ORANGE
LO / GND - WHITE / BLUE

⌋ G/ GROUNDED AT THE NEARBY CONNECTOR (22AWG GRAY 0.10M)

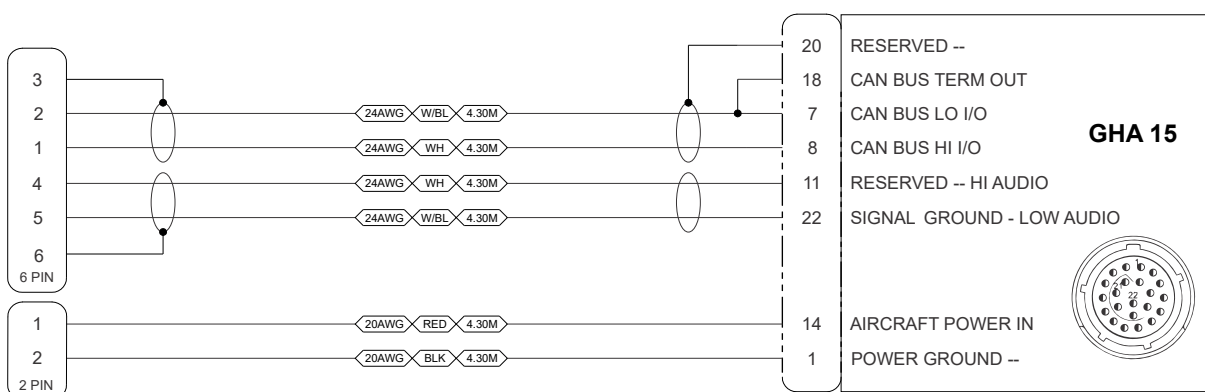
⌋ G/ GROUNDED AT THE PANEL BUS BAR

20AWG RED 0.88M
WIRE GAUGE COLOR LENGHT (METERS)

LIGHTS DIAGRAM

ED_XP_001-01

REVISIONS		DATE DDMMYY		VERIFIED	APPROVED	SCALE:	NONE
REV	DESCRIPTION	DATE DDMMYY				DATE DRAWN:	27.03.25
00	APPROVED FOR PRODUCTION	02.03.25		D.MACARIO	F.ABBUD	DRAWN BY:	E. MELLO
01	APPROVED FOR PRODUCTION	05.09.25		J. BUENO	F. ABBUD	PAGE:	14-20



SHIELD CABLES COLOR SEQUENCE:

HI / LEFT -WHITE
RIGHT - WHITE / ORANGE
LO / GND -WHITE / BLUE

⌋ GROUNDED AT THE NEARBY CONNECTOR (22AWG GRAY 0.10M)

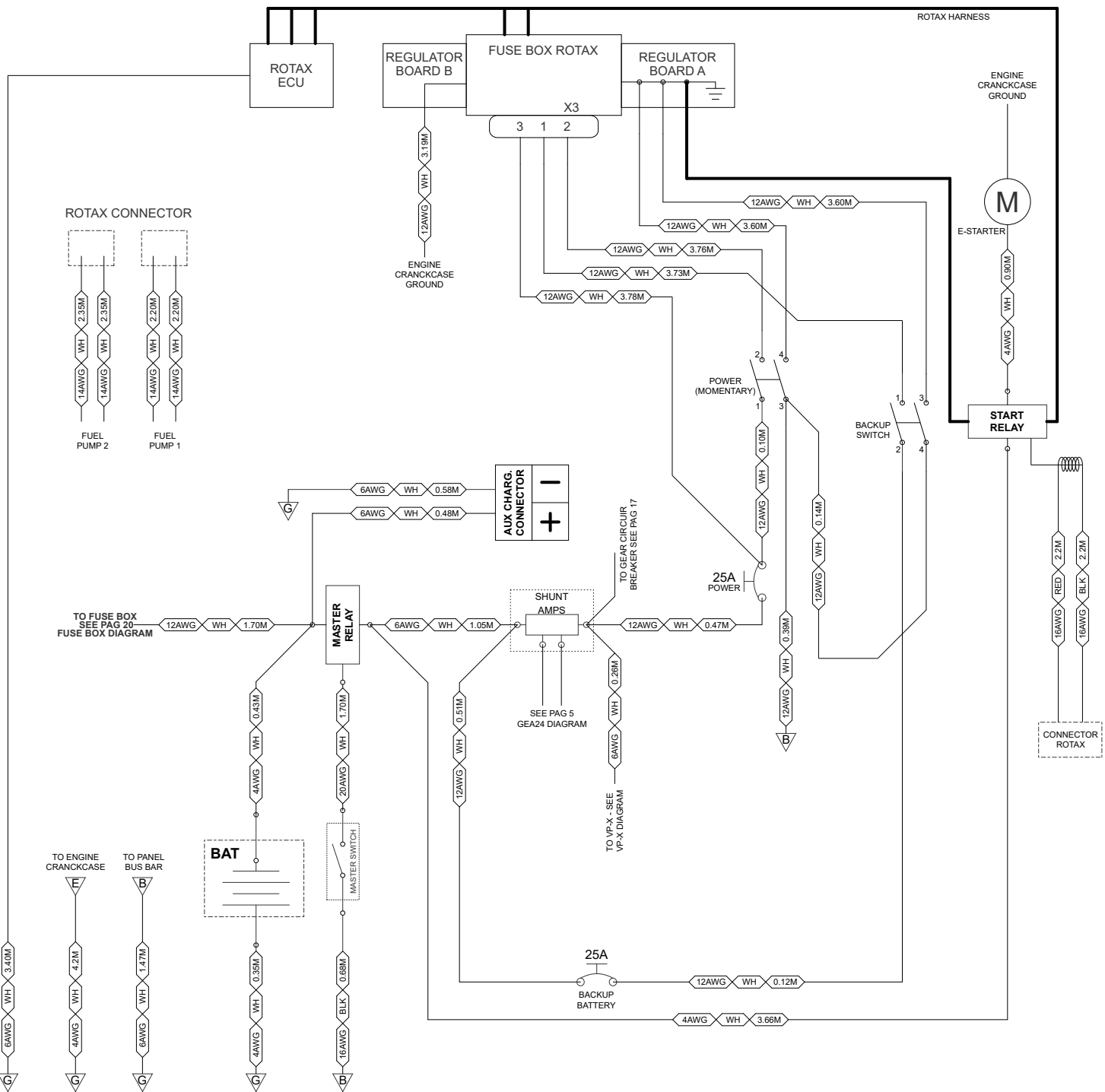
⌋ GROUNDED AT THE PANEL BUS BAR

20AWG RED 0.88M
WIRE GAUGE COLOR LENGHT (METERS)

GHA-15 DIAGRAM

ED_XP_001-01

REVISIONS				SCALE: NONE		
REV	DESCRIPTION	DATE DD/MM/YY	VERIFIED	APPROVED	DATE DRAWN:	27.03.25
00	APPROVED FOR PRODUCTION	02.03.25	D.MACARIO	F.ABBUD	DRAWN BY:	E. MELLO
01	APPROVED FOR PRODUCTION	05.09.25	J. BUENO	F.ABBUD		



SHIELD CABLES COLOR SEQUENCE:

HI / LEFT - WHITE
RIGHT - WHITE / ORANGE
LO / GND - WHITE / BLUE

- ⏏ GROUNDED AT THE NEARBY CONNECTOR (22AWG GRAY 0.10M)
- ⏏ GROUNDED AT THE PANEL BUS BAR
- ⏏ GROUNDED AT THE GERAL BUS BAR
- ⏏ GROUNDED AT THE ENGINE CRANKCASE
- ⏏ EMS GROUND

20AWG RED 0.88M

WIRE GAUGE COLOR LENGHT (METERS)

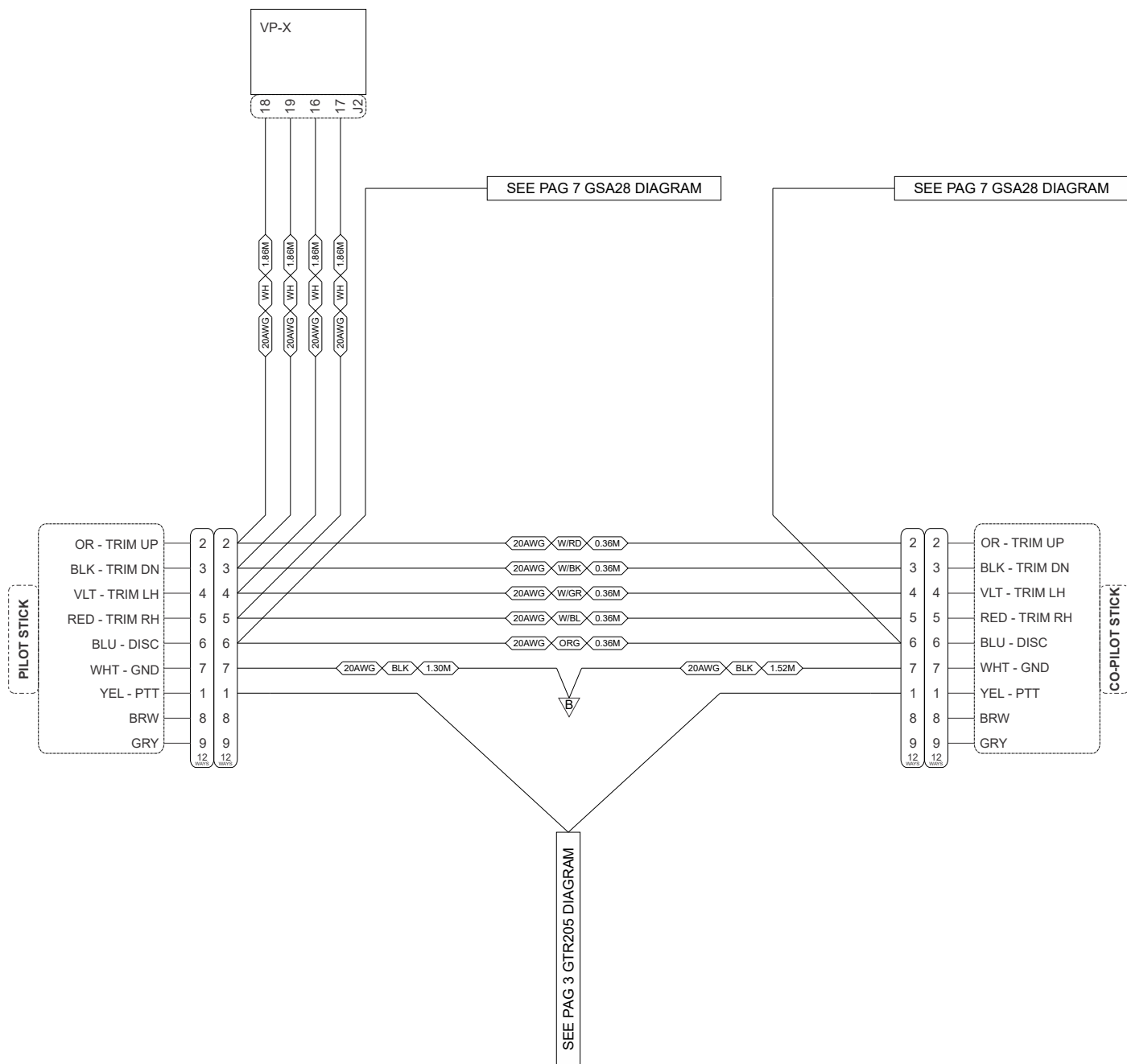
POWER DIAGRAM

ED_XP_001-01

REV		REVISIONS		DATE DD/MM/YY		VERIFIED	APPROVED
00	01	APPROVED FOR PRODUCTION	APPROVED FOR PRODUCTION	02.03.25	05.09.25	D.MACARIO J. BUENO	F.ABBUD F. ABBUD

SCALE:	NONE
DATE DRAWN:	27.03.25
DRAWN BY:	E. MELLO
PAGE:	16-20





SHIELD CABLES COLOR SEQUENCE:

HI / LEFT -WHITE
RIGHT - WHITE / ORANGE
LO / GND -WHITE / BLUE

⌋ C/ GROUNDING AT THE NEARBY CONNECTOR (22AWG GRAY 0.10M)

⌋ B/ GROUNDING AT THE PANEL BUS BAR

20AWG RED 0.88M
WIRE GAUGE COLOR LENGHT (METERS)

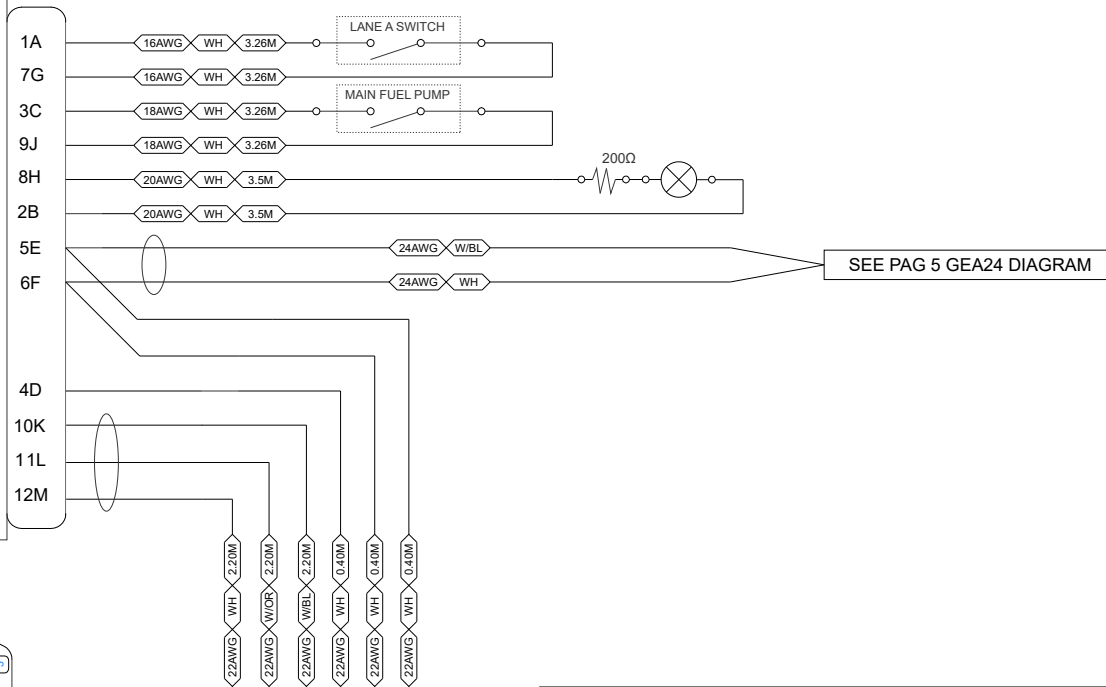
GRIPSTICK DIAGRAM

ED_XP_001-01

REVISIONS				SCALE:		NONE	
REV	DESCRIPTION	DATE DDMMYY	VERIFIED	APPROVED	DATE DRAWN:	27.03.25	
00	APPROVED FOR PRODUCTION	02.03.25	D.MACARIO	F.ABBUD	DRAWN BY:	E. MELLO	
01	APPROVED FOR PRODUCTION	05.09.25	J. BUENO	F. ABBUD	PAGE:	18-20	

HIC CONNECTOR A

- LANE SEL SW A 1 ○
- LANE SEL SW A 2 ○
- SIG FUEL PUMP 1 ○
- GND FUEL PUMP 1 ○
- WARN LAMP A ○
- SUPP WARN LAMP A ○
- CAN LO 1 A ○
- CAN HI 1 A ○
- CAN GND 1 A ○
- CAN GND 2 A ○
- CAN LO 2 A ○
- CAN HI 2 A ○



MAINTENANCE PORT ROTAX A

WH-00134 ES-205203-5 FEMALE

MAINTENANCE PORT ROTAX B

WH-00134 ES-205203-5 FEMALE

SHIELD CABLES COLOR SEQUENCE:

HI / LEFT -WHITE
RIGHT - WHITE / ORANGE
LO / GND -WHITE / BLUE

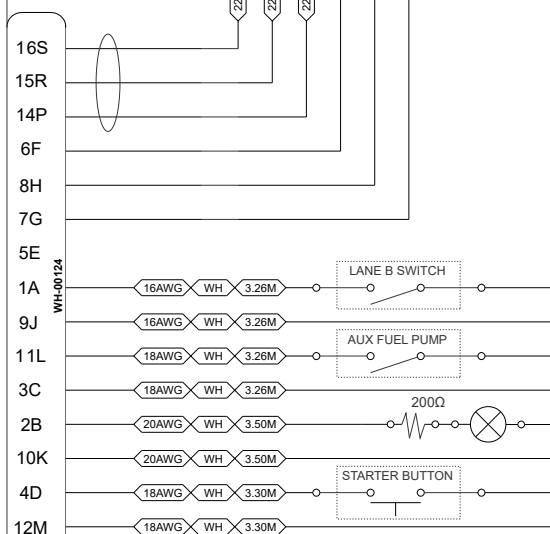
⌞ GROUNDED AT THE NEARBY CONNECTOR (22AWG GRAY 0.10M)

⌞ GROUNDED AT THE PANEL BUS BAR

20AWG RED 0.88M
WIRE GAUGE COLOR LENGHT (METERS)

HIC CONNECTOR B

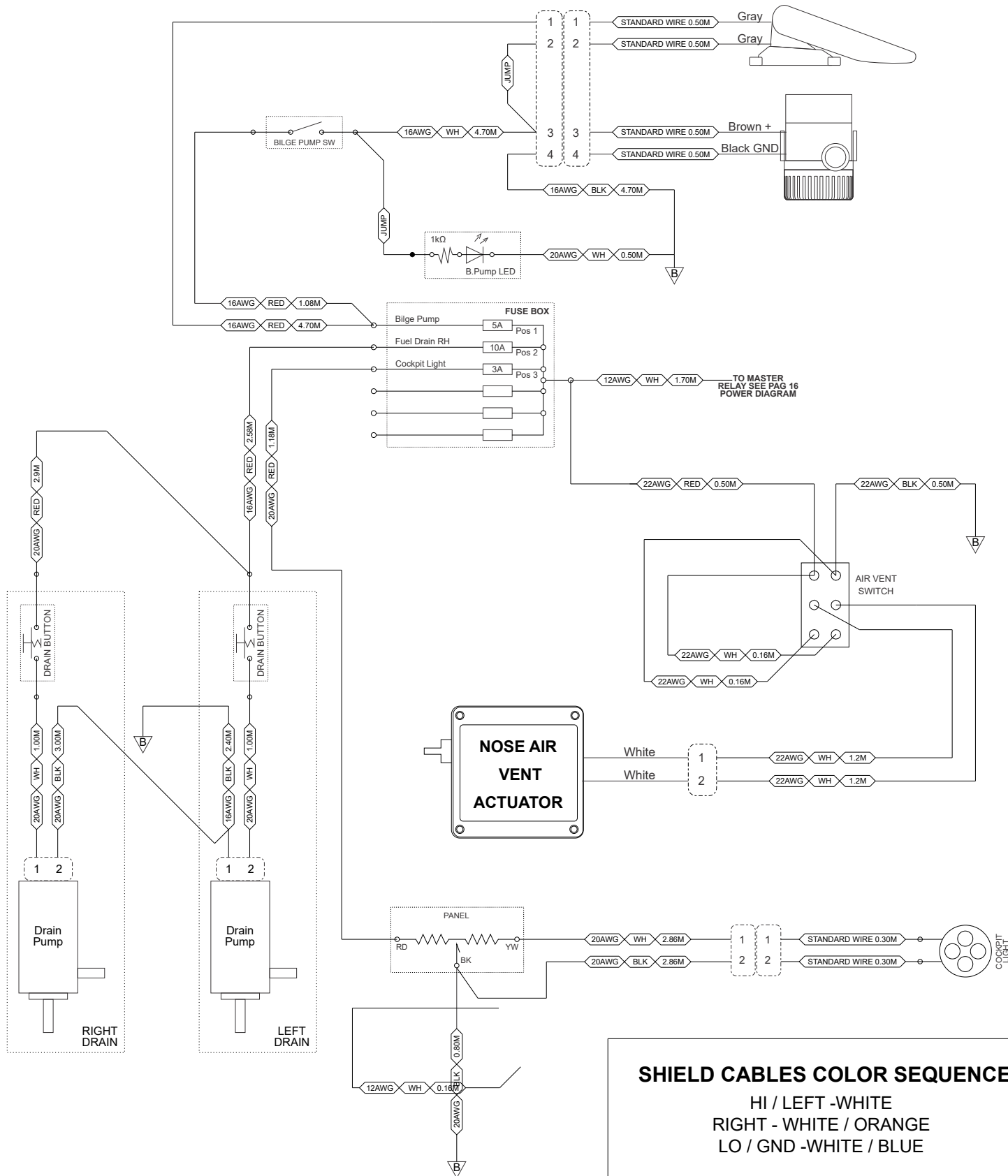
- CAN HI 2 B ○
- CAN LO 2 B ○
- CAN GND 2 B ○
- CAN GND 1 B ○
- CAN HI 1 B ○
- CAN LO 1 B ○
- X ○
- LANE SEL SW B 1 ○
- LANE SEL SW B 2 ○
- GND FUEL PUMP 2 ○
- SIG FUEL PUMP 2 ○
- SUPP WARN LAMP B ○
- WARN LAMP B ○
- CONN STARTER RELAY SW ○
- SUPP START SWITCH ○



ROTAX HIC_A HIC_B DIAGRAM

ED_XP_001-01

REV		REVISIONS		DATE DDMMYY	VERIFIED	APPROVED	SCALE:	NONE
00	01	APPROVED FOR PRODUCTION	APPROVED FOR PRODUCTION	02.03.25	D.MACARIO	F.ABBUD	DATE DRAWN:	27.03.25
				05.09.25	J. BUENO	F. ABBUD	DRAWN BY:	E. MELLO
							PAGE:	19-20



FUSE BOX 6 WAYS DIAGRAM

ED_XP_001-01

REVISIONS

REV	DESCRIPTION	DATE DD/MM/YY	VERIFIED	APPROVED
00	APPROVED FOR PRODUCTION	02.03.25	D.MACARIO	F.ABBUD
01	APPROVED FOR PRODUCTION	05.09.25	J. BUENO	F. ABBUD

SCALE:	NONE
DATE DRAWN:	27.03.25
DRAWN BY:	E. MELLO
PAGE:	20-20

NOTES