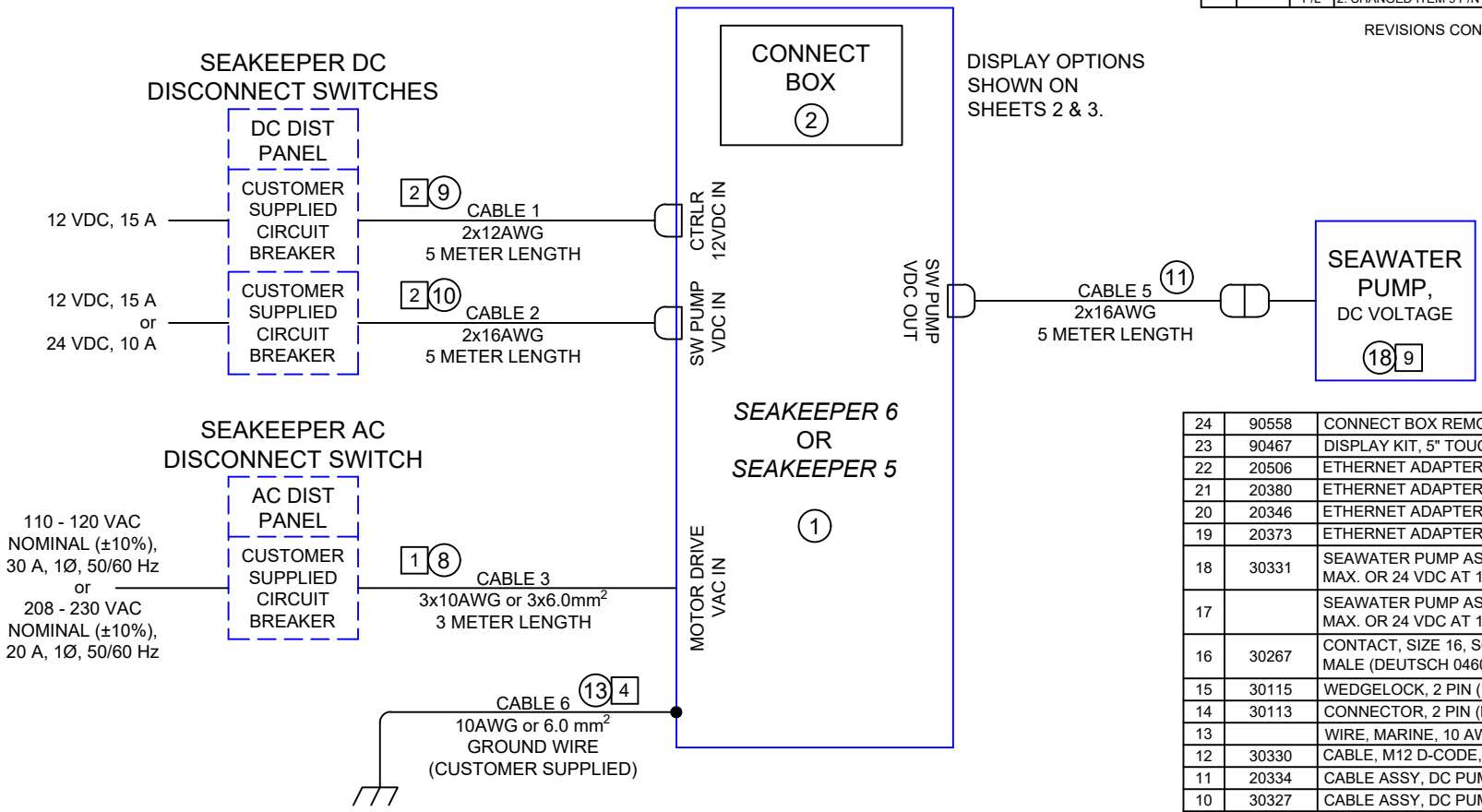
REVISIONS					
REV	ECN NO.	ZONE	DESCRIPTION	DATE	APPROVED
2	N/A	2F,P/L	1. CHANGED ITEM 7, WAS WATERPROOF CAP.	12JUL17	R. LAWRIE
3	612	2A, 5D, P/L	1. ADDED MODEL 5HD.	22MAY18	R. KEOWN
4	765	1A, 5D, P/L	1. CHANGED TO MODEL 5, WAS 5HD.	24JUN19	A. MALAVÉ
5	804	8D	1. CHANGED INPUT AC VOLTAGE AND CURRENT. 2. CHANGED NOTE 4 FOR GROUNDING STANDARDS.	20JAN20	W. GARZON
6	830	P/L P/L	1. CHANGED ITEM 8 P/N TO 20394, WAS 30179. 2. CHANGED ITEM 9 P/N TO 20395, WAS 30239.	08JUL20	W. GARZON

REVISIONS CONT'D ON SH 4



ITEM	SEAKEEPER PART NO.	DESCRIPTION	QTY	SUPPLY
24	90558	CONNECT BOX REMOTE MOUNT KIT [7]	1	OPTIONAL
23	90467	DISPLAY KIT, 5" TOUCHSCREEN, 25m CABLE	1	OPTIONAL
22	20506	ETHERNET ADAPTER CABLE, FURUNO [3]	1	OPTIONAL
21	20380	ETHERNET ADAPTER CABLE, RAYMARINE [3]	1	OPTIONAL
20	20346	ETHERNET ADAPTER CABLE, SIMRAD [3]	1	OPTIONAL
19	20373	ETHERNET ADAPTER CABLE, GARMIN [3]	1	OPTIONAL
18	30331	SEAWATER PUMP ASSY, 12 VDC AT 15 AMPS MAX. OR 24 VDC AT 10 AMPS MAX. [9]	1	OPTIONAL
17		SEAWATER PUMP ASSY, 12 VDC AT 15 AMPS MAX. OR 24 VDC AT 10 AMPS MAX. [9 10]	1	SHIPYARD
16	30267	CONTACT, SIZE 16, SOLID, GOLD-PLATED MALE (DEUTSCH 0460-202-1631) [10]	2	SHIPYARD
15	30115	WEDGELOCK, 2 PIN (DEUTSCH W2P) [10]	1	SHIPYARD
14	30113	CONNECTOR, 2 PIN (DEUTSCH DT04-2P) [10]	1	SHIPYARD
13		WIRE, MARINE, 10 AWG (6 mm2), GREEN	A/R	SHIPYARD
12	30330	CABLE, M12 D-CODE, FEMALE-MALE, 10m [3]	1	SEAKEEPER
11	20334	CABLE ASSY, DC PUMP POWER, 2x16AWG, 5m	1	SEAKEEPER
10	30327	CABLE ASSY, DC PUMP PWR IN, 2x16AWG, 5m	1	SEAKEEPER
9	20248	CABLE ASSY, DC INPUT POWER, 2x12AWG, 5m	1	SEAKEEPER
8	20394	CABLE ASSY, MARINE, 3 x 10AWG, 3m	1	SEAKEEPER
7	30246	WATERPROOF CAP, CAN, MALE	1	SEAKEEPER
6	30249	TERMINATOR, CAN, 120 OHM, FEMALE	1	SEAKEEPER
5	30244	TEE ADAPTER, CAN, 3-WAY, F-M-F	1	SEAKEEPER
4	30301	CABLE, CAN, FEMALE-MALE, 0.6m (2 ft)	1	SEAKEEPER
3	30332	CABLE, CAN, FEMALE-MALE, 6m	1	SEAKEEPER
2	20415	CONNECTBOX USER INTERFACE	1	SEAKEEPER
1	90556	SEAKEEPER 5 ASSEMBLY	1	SEAKEEPER
	90389	SEAKEEPER 6 ASSEMBLY	1	SEAKEEPER

NOTES:

[1] CABLE PROVIDED TO CONNECT THE AC INPUT POWER (ITEM 8) IS SUPPLIED AS LENGTH 3m. THE LOCATION CHOSEN FOR POWER DISTRIBUTION SHOULD TAKE THIS INTO CONSIDERATION.

[2] CABLES PROVIDED TO CONNECT THE DC INPUT POWER (ITEMS 9 & 10) ARE SUPPLIED AS LENGTH 5m. THE LOCATION CHOSEN FOR POWER DISTRIBUTION SHOULD TAKE THIS INTO CONSIDERATION.

[3] ETHERNET CONNECTOR ON CONNECTBOX IS FOR ETHERNET CONNECTION TO SEAKEEPER COMPATIBLE MULTI-FUNCTION DISPLAY (MFD) USING M12 D-CODE CABLE (ITEM 12). ADAPTER CABLE MUST BE SELECTED FOR MFD BRAND FROM ITEMS 19-22. SEE SHEETS 2 & 3 FOR WIRING DETAILS.

[4] CONNECT 10 AWG (6mm2) PE CONDUCTOR, ITEM 13, TO VESSEL GROUNDING BUS TO COMPLY WITH EN/IEC 60204-1:2016 CLAUSES 6.3.3 & 8.2.3 AND WITH ABYC E-11 JULY 2018 CLAUSES 11.5.2 & 11.16.1.

NOTES CONT'D ON SH 2, ZONE 8-F

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SEAKEEPER, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SEAKEEPER, INC. IS PROHIBITED.

SEAKEEPER
45310 ABELL HOUSE LANE, SUITE 350, CALIFORNIA, MD 20619

WEIGHT-LBS: N/A
MATERIAL:

DRAWN: S. GOSS	DATE: 20 OCT 2016	
ENG APPR: R. LAWRIE	DATE: 20 OCT 2016	
PROD APPR: R. KEOWN	DATE: 20 OCT 2016	

TITLE: SEAKEEPER 6 / 5 CABLE BLOCK DIAGRAM

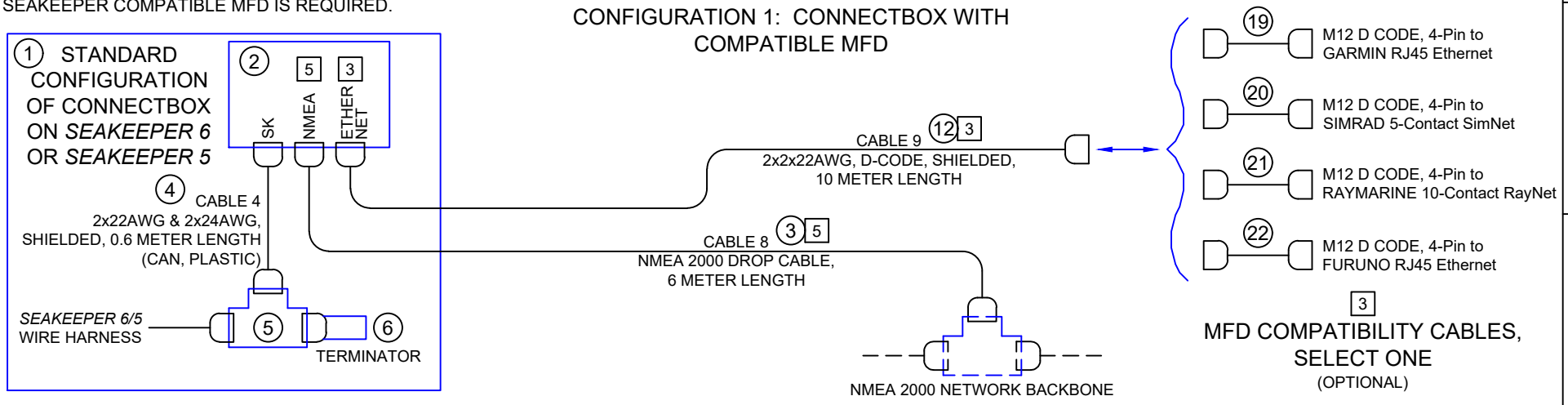
DWG NUMBER	REV	SHEET NO.
90396	8	1 OF 4

NOTES: (FROM SH 1, ZONE 5-A)

5 NMEA CONNECTOR ON CONNECTBOX IS FOR REQUIRED CONNECTION TO VESSEL'S NMEA 2000 NETWORK. AN ACTIVE NMEA 2000 COMPATIBLE GPS SIGNAL IS REQUIRED ON THE VESSEL'S NETWORK FOR SEAKEEPER OPERATION. IF NO GPS SIGNAL IS DETECTED A WARNING WILL BE PRESENT ON THE SEAKEEPER APP.

6 EITHER A SEAKEEPER 5" DISPLAY OR A CONNECTION TO SEAKEEPER COMPATIBLE MFD IS REQUIRED.

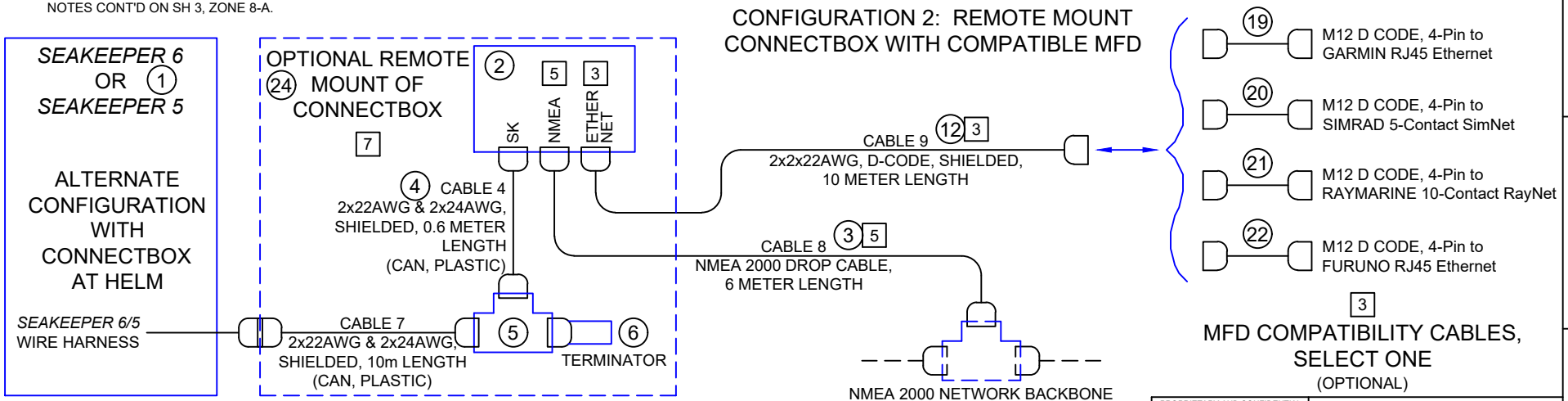
CONFIGURATION 1: CONNECTBOX WITH COMPATIBLE MFD



7 CONNECTBOX MAY BE REMOTE MOUNTED WITH ANY DISPLAY CONFIGURATION USING REMOTE MOUNT KIT, ITEM 24.

NOTES CONT'D ON SH 3, ZONE 8-A.

CONFIGURATION 2: REMOTE MOUNT CONNECTBOX WITH COMPATIBLE MFD

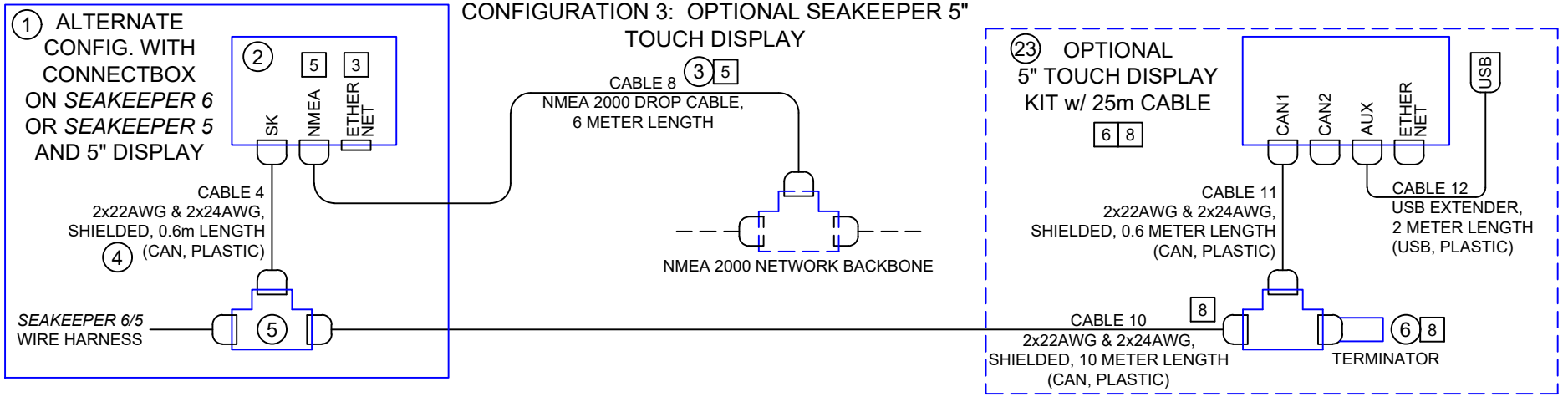


PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SEAKEEPER, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SEAKEEPER, INC. IS PROHIBITED.

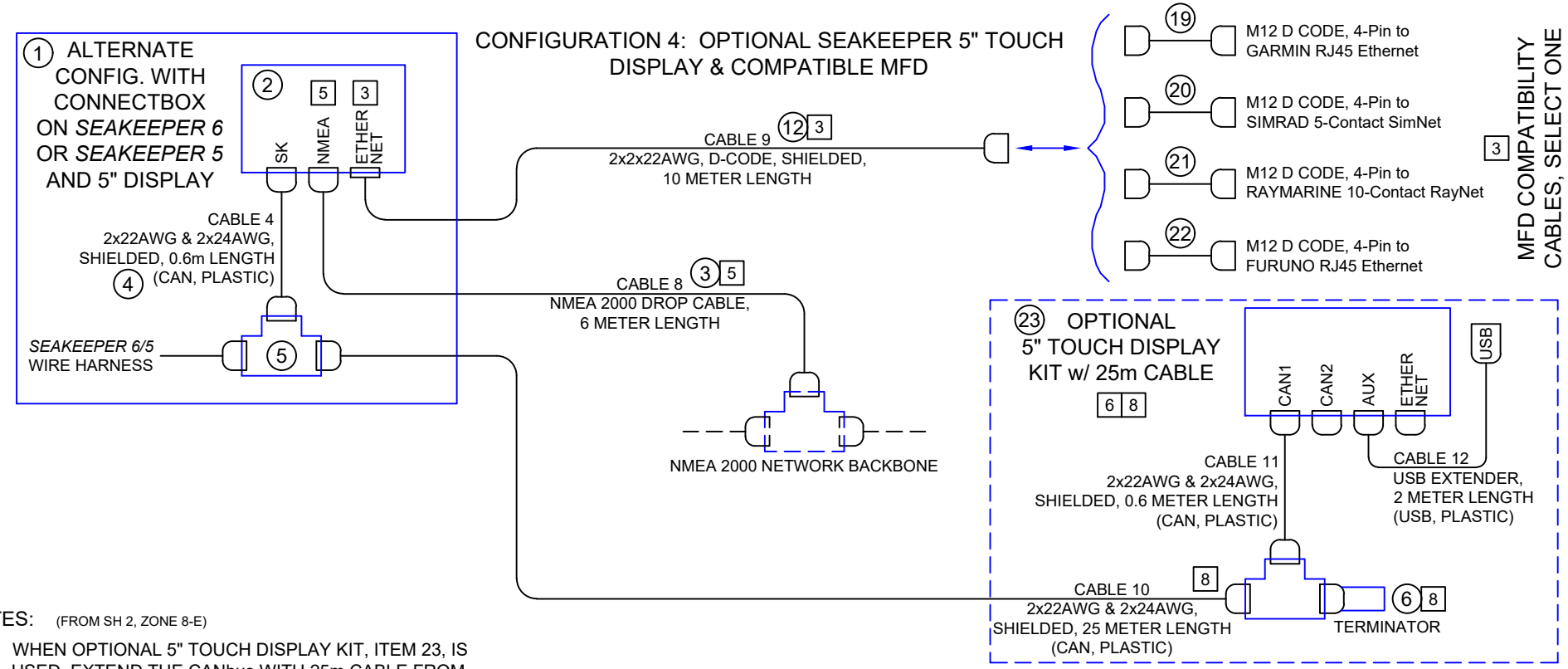
SEAKEEPER
45310 ABELL HOUSE LANE, SUITE 350, CALIFORNIA, MD 20619

WEIGHT-LBS: N/A		TITLE	SEAKEEPER 6 / 5 CABLE BLOCK DIAGRAM
MATERIAL:			
DRAWN: S. GOSS	DATE: 20 OCT 2016		
ENG APPR: R. LAWRIE	DATE: 20 OCT 2016	DWG NUMBER 90396	REV 8
PROD APPR: R. KEOWN	DATE: 20 OCT 2016		SHEET NO. 2 OF 4

CONFIGURATION 3: OPTIONAL SEAKEEPER 5" TOUCH DISPLAY



CONFIGURATION 4: OPTIONAL SEAKEEPER 5" TOUCH DISPLAY & COMPATIBLE MFD



NOTES: (FROM SH 2, ZONE 8-E)

8 WHEN OPTIONAL 5" TOUCH DISPLAY KIT, ITEM 23, IS USED, EXTEND THE CANbus WITH 25m CABLE FROM KIT, AND MOVE TERMINATOR, ITEM 6, TO END OF CANbus.

NOTES CONT'D ON SH 4, ZONE 8-F.

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SEAKEEPER, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SEAKEEPER, INC. IS PROHIBITED.

SEAKEEPER
45310 ABELL HOUSE LANE, SUITE 350, CALIFORNIA, MD 20619

WEIGHT-LBS: N/A		TITLE	SEAKEEPER 6 / 5 CABLE BLOCK DIAGRAM
MATERIAL:		DWG NUMBER	90396
DRAWN: S. GOSS	DATE: 20 OCT 2016	REV	8
ENG APPR: R. LAWRIE	DATE: 20 OCT 2016	SHEET NO.	3 OF 4
PROD APPR: R. KEOWN	DATE: 20 OCT 2016		

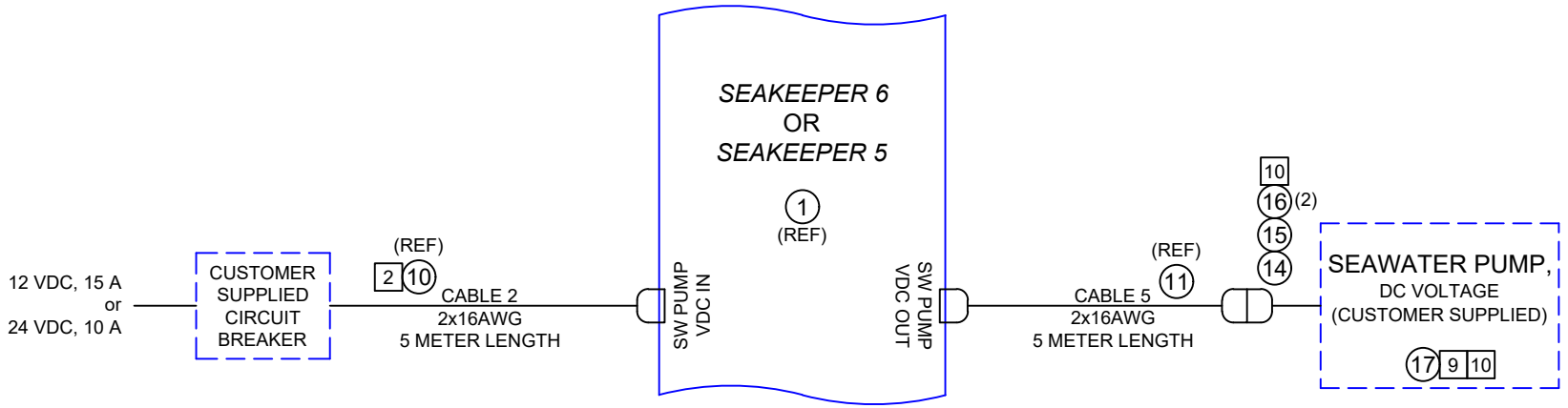
NOTES:

[9] DC POWERED SEAWATER PUMP MUST BE PURCHASED FROM SEAKEEPER (ITEM 18) OR CUSTOMER SUPPLIED (ITEM 17, SEE SHEET 2, ZONE 2-B). THE SEAKEEPER 24V DC SEAWATER PUMP, ITEM 12, IS INTENDED FOR 12V OR 24V OPERATION.

[10] ALTERNATE SEAWATER PUMP CONFIGURATION FOR CUSTOMER SUPPLIED DC POWERED SEAWATER PUMP (ITEM 17), 12V AT 15 AMPS MAXIMUM OR 24V AT 10 AMPS MAXIMUM. OVER-CURRENT PROTECTION ON CABLE 8 MUST BE SELECTED FOR PUMP RATING. INSTALL CONNECTOR PARTS, ITEMS 14-16, ON SEAWATER PUMP LEADS WITH CRIMP TOOL, DEUTSCH HDT-48-00 OR HDT-1561; PIN 1 TO +V AND PIN 2 TO -V.

REVISIONS

REV	ECN NO.	ZONE	DESCRIPTION	DATE	APPROVED
7	845	P/L	1. CHANGED ITEM 9 TO DC OUTPUT CABLE ASSY FOR SEAWATER PUMP, WAS 20395.	20 NOV 20	D. FRORIEP
		P/L	2. CHANGED ITEM 12 TO DC SEAWATER PUMP AS OPTIONAL SOURCE, ADDED PART NUMBER, AND ALLOWED 12V OR 24V OPERATION.		
		P/L	3. ADDED ITEM 13 DC INPUT CABLE ASSY FOR SEAWATER PUMP AND ADDED CUSTOMER SUPPLIED CIRCUIT BREAKER.		
		P/L	4. ADDED ITEM 14 ALTERNATE DC SEAWATER PUMP AND ASSOCIATED CONNECTOR PARTS, ITEMS 15-17, ON NEW SHEET 2.		
		P/L	5. ADDED ITEMS 18-21 AND ETHERNET CONNECTION DETAIL ON SHEET 2.		
8	908	P/L	1. ADDED CONNECTBOX, 6m CAN CABLE, & REMOTE MOUNT KIT AS ITEMS 2, 3, & 24.	03 SEP 21	D. FRORIEP
		P/L	2. CHANGED 5" DISPLAY TO OPTIONAL AS ITEM 23.		
		SH 2 & 3	3. EXPANDED CONNECTBOX, 5" DISPLAY, & ETHERNET CONNECTION DETAILS ON NEW SHEETS 2 & 3.		
		SH 2 & 3	4. ADDED ITEM 22 TO P/L AND ETHERNET CONNECTION DETAILS.		



PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SEAKEEPER, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SEAKEEPER, INC. IS PROHIBITED.

WEIGHT-LBS: N/A
MATERIAL:

DRAWN: S. GOSS	DATE: 20 OCT 2016	
ENG APPR: R. LAWRIE	DATE: 20 OCT 2016	
PROD APPR: R. KEOWN	DATE: 20 OCT 2016	

SEAKEEPER
45310 ABELL HOUSE LANE, SUITE 350, CALIFORNIA, MD 20619

TITLE: SEAKEEPER 6 / 5 CABLE BLOCK DIAGRAM

DWG NUMBER: 90396 | REV: 8 | SHEET NO.: 4 OF 4