

REVISIONS					
REV	ECN NO.	ZONE	DESCRIPTION	DATE	APPROVED
1	N/A		1. INITIAL RELEASE.	12OCT16	REL
12	1228	E2, D2 E2, E3 NOTES	1. ADDED SEAWATER BALL VALVE 2. ADDED SEAWATER PUMP Y BRANCH 3. REVISED NOTE 3 4. SEAKEEPER 5 REMOVED	18NOV25	DMF
13	1228	SH1 E2 SH2 B2 NOTES	1. ADDED Y-BRANCH AND INLINE FUSE FOR ALL APPLICATIONS 2. UPDATED NOTES 3 AND 11	18DEC25	DMF

25	20794	1 AMP INLINE FUSE, DTM CONNECTOR	3	1	SEAKEEPER
24	20742	Y-BRANCH CABLE FOR SEAWATER PUMP AND VALVE	3	1	SEAKEEPER
23	20762	ELECTRIC BALL VALVE, 1" NPT, PVC	3	1	SEAKEEPER
22	90558	CONNECTBOX REMOTE MOUNT KIT	9	1	OPTIONAL
21	20506	ETHERNET ADAPTER CABLE, FURUNO	10	1	OPTIONAL
20	20380	ETHERNET ADAPTER CABLE, RAYMARINE	10	1	OPTIONAL
19	20346	ETHERNET ADAPTER CABLE, SIMRAD	10	1	OPTIONAL
18	20373	ETHERNET ADAPTER CABLE, GARMIN	10	1	OPTIONAL
17	30331	SEAWATER PUMP ASSY, 12 VDC AT 15 AMPS MAX. OR 24 VDC AT 10 AMPS MAX.	3	1	OPTIONAL
16	---	SEAWATER PUMP ASSY, 12 VDC AT 15 AMPS MAX. OR 24 VDC AT 10 AMPS MAX.	3	12	SHIPYARD
15	30267	CONTACT, SIZE 16, SOLID, GOLD-PLATED MALE (DEUTSCH 0460-202-1631)	12	2	SHIPYARD
14	30115	WEDGELOCK, 2 PIN (DEUTSCH W2P)	12	1	SHIPYARD
13	30113	CONNECTOR, 2 PIN (DEUTSCH DT04-2P)	12	1	SHIPYARD
12	---	WIRE, MARINE, 10 AWG (6 mm <sup>2</sup> ), GREEN		A/R	SHIPYARD
11	20334	CABLE ASSY, DC PUMP PWR OUT, 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	20542	CABLE ASSY, MARINE, 3 x 10AWG, FLAT, 3m		1	SEAKEEPER
7	30249	TERMINATOR, CAN, 120 OHM, FEMALE		1	SEAKEEPER
6	30244	TEE ADAPTER, CAN, 3-WAY, F-M-F		1	SEAKEEPER
5	30355	CABLE, M12 D-CODE, FEMALE-MALE, 25m	9	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	90389	SEAKEEPER 6 ASSEMBLY		1	SEAKEEPER
ITEM	SEAKEEPER PART NO.	DESCRIPTION	QTY	SUPPLY	

**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 DC POWERED SEAWATER PUMP MUST BE PURCHASED FROM SEAKEEPER (ITEM 17) OR CUSTOMER SUPPLIED (ITEM 16, SEE SHEET 3, ZONE 2-C). THE SEAKEEPER 24V DC SEAWATER PUMP, ITEM 17, IS INTENDED FOR 12V OR 24V OPERATION. ELECTRIC BALL VALVE, ITEM 23 IS REQUIRED FOR ALL APPLICATIONS. THE Y-BRANCH CABLE, ITEM 24 IS REQUIRED TO POWER THE PUMP AND BALL VALVE SIMULTANEOUSLY. 1 AMP INLINE FUSE, ITEM 25 IS REQUIRED BEFORE THE BALL VALVE FOR CIRCUIT PROTECTION.
- 4 CONNECT 10 AWG (6mm<sup>2</sup>) PE CONDUCTOR, ITEM 12, 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 2021 CLAUSES 11.5.2 & 11.17.
- 5 CABLES (ITEMS 9 & 10) MAY BE FABRICATED BY THE INSTALLER USING SPECIFIED PARTS OR EQUIVALENT.  
 CABLE (ITEM 9) CTRLR 24VDC IN  
 CABLE, MARINE, UL 1426, 2x12AWG, DC, RED & BLACK CONDUCTORS (LENGTH AS REQ'D.)  
 DEUTSCH DTP06-2S, PLUG, DTP SERIES, PLASTIC, 2 WAY, SOCKETS, GRAY (1 REQ'D.)  
 DEUTSCH 0462-210-1231, CONTACT, FEMALE, GOLD PLATED, SIZE 12 (2 REQ'D.)  
 DEUTSCH WP-2S, WEDGELOCK FOR DTP SERIES, 2-WAY, SOCKETS (1 REQ'D.)  
 DEUTSCH DTP2S-BT, BOOT FOR DTP SERIES, 2-WAY, GRAY (1 REQ'D.)  
 CABLE (ITEM 10) SW PUMP 24VDC IN  
 CABLE, MARINE, UL 1426, 2x16AWG, DC, RED & BLACK CONDUCTORS (LENGTH AS REQ'D.)  
 DEUTSCH DT06-2S, CONNECTOR, PLUG, DT SERIES, 2 WAY (1 REQ'D.)  
 DEUTSCH 0462-201-16141, CONTACT, FEMALE, NICKEL, SIZE 16 (2 REQ'D.)  
 DEUTSCH W2S, WEDGELOCK, FOR DT06-2S (1 REQ'D.)

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

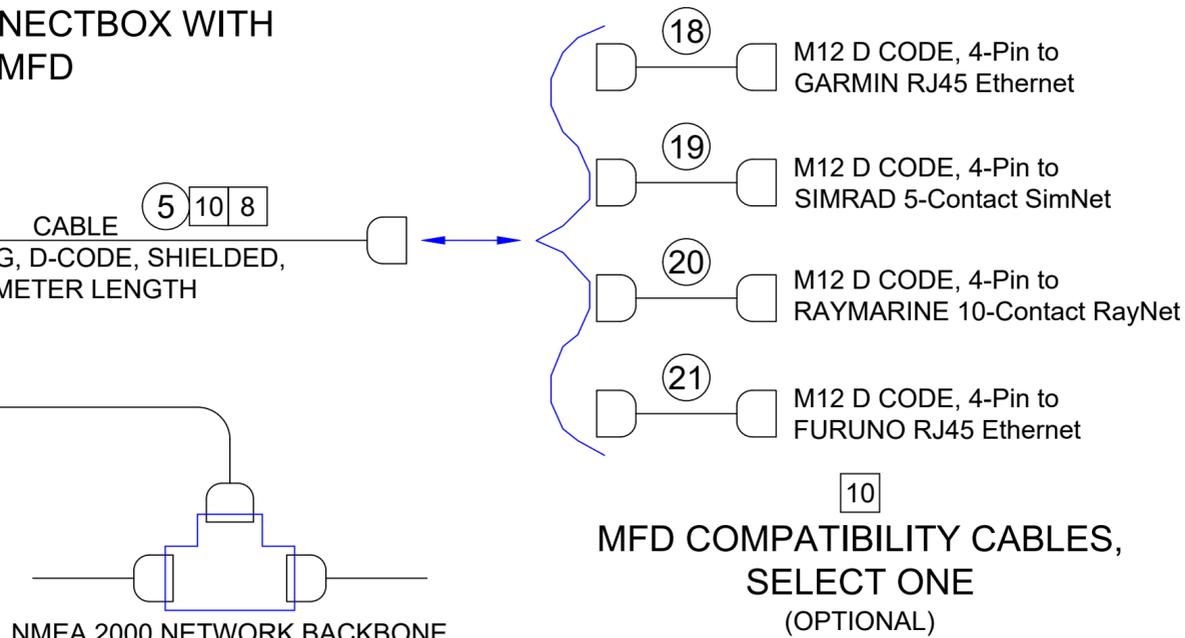
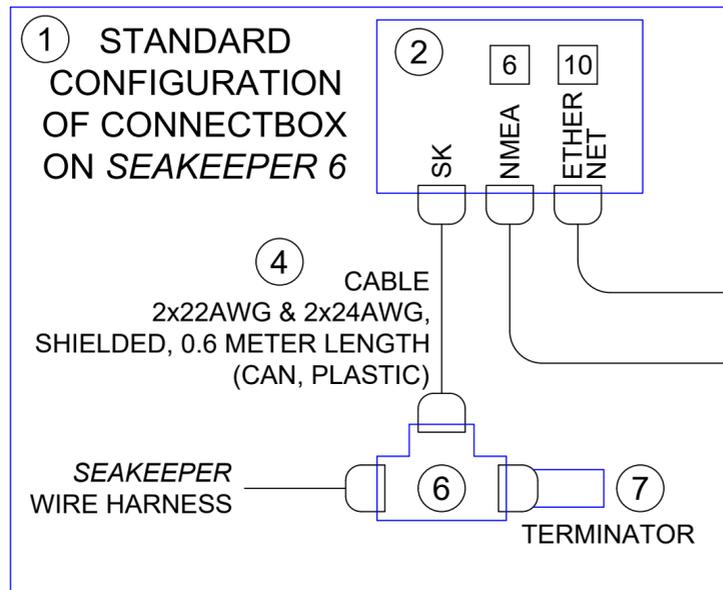
WEIGHT-LBS: N/A		MATERIAL:		PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SEAKEEPER, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SEAKEEPER, INC. IS PROHIBITED.		 45310 ABELL HOUSE LANE, SUITE 350, CALIFORNIA, MD 20619	
DRAWN: S. GOSS ENG APPR: R. LAWRIE PROB APPR: R. KEOWN	DATE: 20 OCT 2016 DATE: 20 OCT 2016 DATE: 20 OCT 2016	TITLE: SEAKEEPER 6 CABLE BLOCK DIAGRAM		DWG NUMBER: 90396		REV: 13	SHEET NO.: 1 OF 3

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

- 6 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.
- 7 CONNECTION TO A SEAKEEPER COMPATIBLE MFD IS REQUIRED.

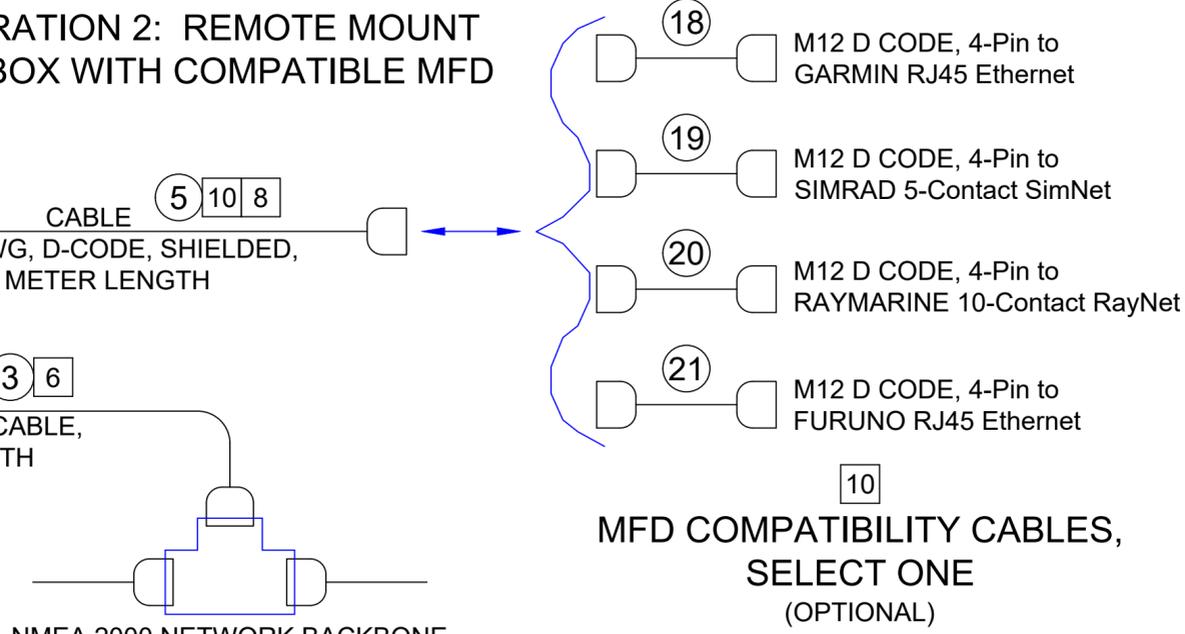
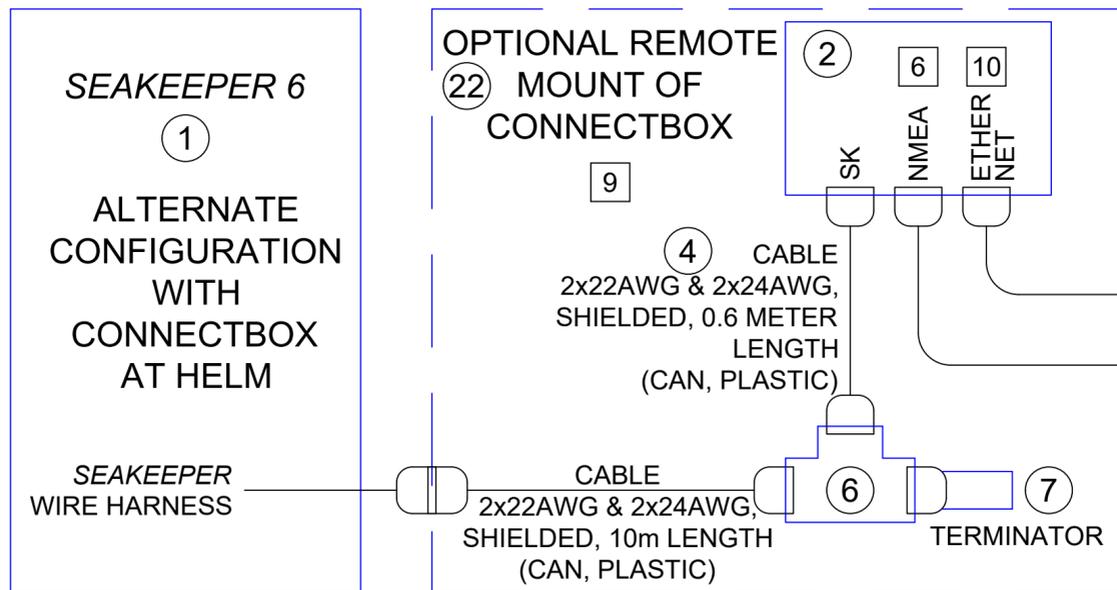
- 8 DAISY CHAINING ALLOWED FOR 4-PIN D-CODE ETHERNET CABLES UP TO A MAXIMUM LENGTH OF 100m.

**CONFIGURATION 1: CONNECTBOX WITH COMPATIBLE MFD**



- 9 CONNECTBOX MAY BE REMOTE MOUNTED WITH ANY DISPLAY CONFIGURATION USING REMOTE MOUNT KIT.

**CONFIGURATION 2: REMOTE MOUNT CONNECTBOX WITH COMPATIBLE MFD**



- 10 ETHERNET CONNECTOR ON CONNECTBOX IS FOR ETHERNET CONNECTION TO SEAKEEPER COMPATIBLE MULTI-FUNCTION DISPLAY (MFD) USING M12 D-CODE CABLE. ADAPTER CABLE MUST BE SELECTED FOR MFD BRAND.

NOTES CONT'D ON SH 3, ZONE 8-F

WEIGHT-LBS: N/A		MATERIAL:		<p><small>PROPRIETARY AND CONFIDENTIAL</small></p> <p>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.</p>		<p>45310 ABELL HOUSE LANE, SUITE 350, CALIFORNIA, MD 20619</p>	
DRAWN: S. GOSS		DATE: 20 OCT 2016		<p><b>SEAKEEPER 6 CABLE BLOCK DIAGRAM</b></p>		<p>TITLE</p>	
ENG APPR: R. LAWRIE		DATE: 20 OCT 2016		<p>AWG NUMBER</p> <p><b>90396</b></p>		<p>REV SHEET NO.</p> <p><b>13</b> 2 OF 3</p>	
PROJ APPR: R. KEOWN		DATE: 20 OCT 2016					

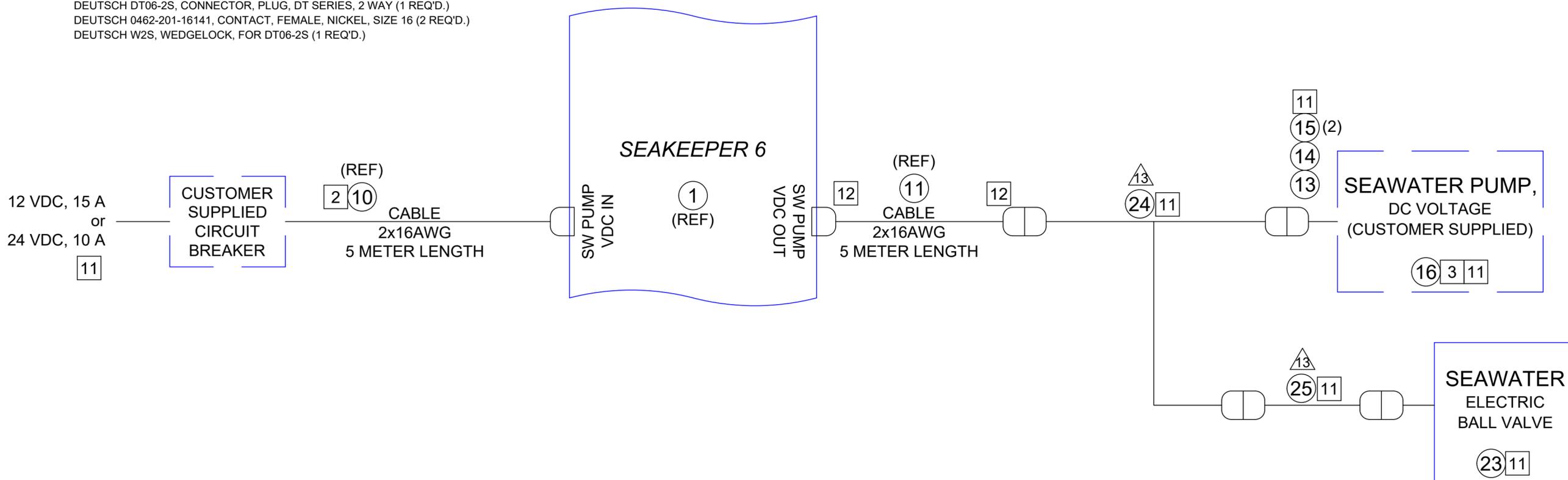
NOTES:

**11** ALTERNATE SEAWATER PUMP CONFIGURATION FOR CUSTOMER SUPPLIED DC POWERED SEAWATER PUMP (ITEM 16), 12V AT 15 AMPS MAXIMUM OR 24V AT 10 AMPS MAXIMUM. OVER-CURRENT PROTECTION ON ITEM 10 MUST BE SELECTED FOR PUMP RATING. INSTALL CONNECTOR PARTS, ITEMS 13-15, ON SEAWATER PUMP LEADS WITH CRIMP TOOL, DEUTSCH HDT-48-00 OR HDT-1561; PIN 1 TO +V AND PIN 2 TO -V. ELECTRIC BALL VALVE, ITEM 23, IS REQUIRED FOR ALL APPLICATIONS. THE Y-BRANCH CABLE, ITEM 24, IS REQUIRED TO POWER THE PUMP AND THE BALL VALVE SIMULTANEOUSLY. 1 AMP INLINE FUSE, ITEM 25 IS REQUIRED BEFORE THE BALL VALVE FOR CIRCUIT PROTECTION.

**12** CABLE (ITEM 11) MAY BE FABRICATED BY THE INSTALLER USING SPECIFIED PARTS OR EQUIVALENT.

CABLE (ITEM 11) CTRLR SW PUMP 24VDC OUT  
 CABLE, MARINE, UL 1426, 2x16AWG, DC, RED & BLACK CONDUCTORS (LENGTH AS REQ'D.)  
 DEUTSCH DT04-2P, CONNECTOR, RECEPTACLE, DT SERIES, 2 WAY (1 REQ'D.)  
 DEUTSCH 0460-202-16141, CONTACT, MALE, NICKEL, SIZE 16 (2 REQ'D.)  
 DEUTSCH W2P, WEDGELOCK, FOR DT04-2P (1 REQ'D.)  
 CABLE (ITEM 11) SW PUMP 24VDC IN  
 DEUTSCH DT06-2S, CONNECTOR, PLUG, DT SERIES, 2 WAY (1 REQ'D.)  
 DEUTSCH 0462-201-16141, CONTACT, FEMALE, NICKEL, SIZE 16 (2 REQ'D.)  
 DEUTSCH W2S, WEDGELOCK, FOR DT06-2S (1 REQ'D.)

**CONFIGURATION FOR CUSTOMER SUPPLIED DC SEAWATER PUMP**



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.		45310 ABELL HOUSE LANE, SUITE 350, CALIFORNIA, MD 20619	
WEIGHT-LBS: N/A MATERIAL:	DRAWN: S. GOSS ENG APPR: R. LAWRIE PROB APPR: R. KEOWN	DATE: 20 OCT 2016 DATE: 20 OCT 2016 DATE: 20 OCT 2016	TITLE: SEAKEEPER 6 CABLE BLOCK DIAGRAM DWG NUMBER: 90396 REV: 13 SHEET NO.: 3 OF 3