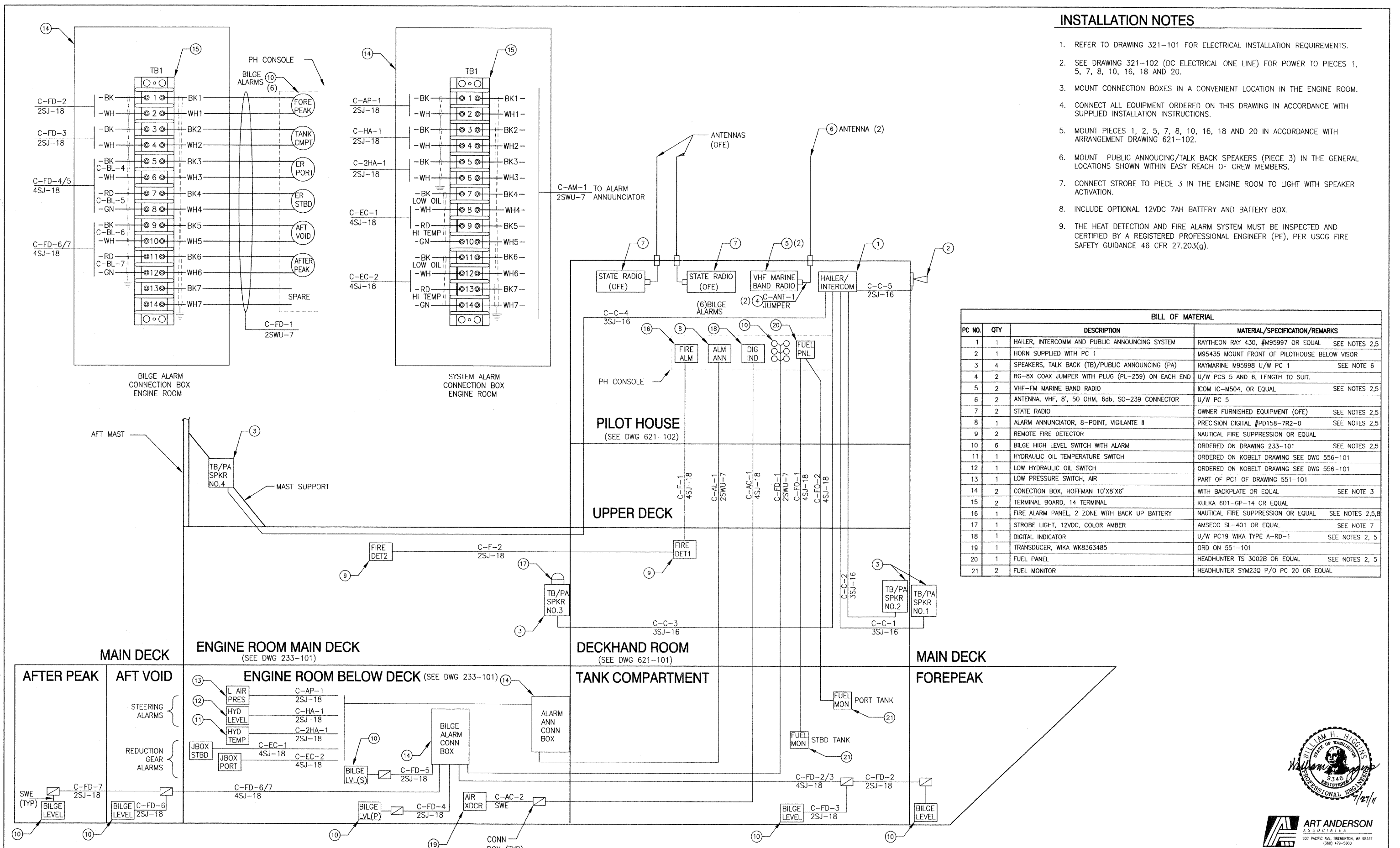


INSTALLATION NOTES

1. REFER TO DRAWING 321-101 FOR ELECTRICAL INSTALLATION REQUIREMENTS.
2. SEE DRAWING 321-102 (DC ELECTRICAL ONE LINE) FOR POWER TO PIECES 1, 5, 7, 8, 10, 16, 18 AND 20.
3. MOUNT CONNECTION BOXES IN A CONVENIENT LOCATION IN THE ENGINE ROOM.
4. CONNECT ALL EQUIPMENT ORDERED ON THIS DRAWING IN ACCORDANCE WITH SUPPLIED INSTALLATION INSTRUCTIONS.
5. MOUNT PIECES 1, 2, 5, 7, 8, 10, 16, 18 AND 20 IN ACCORDANCE WITH ARRANGEMENT DRAWING 621-102.
6. MOUNT PUBLIC ANNOUNCING/TALK BACK SPEAKERS (PIECE 3) IN THE GENERAL LOCATIONS SHOWN WITHIN EASY REACH OF CREW MEMBERS.
7. CONNECT STROBE TO PIECE 3 IN THE ENGINE ROOM TO LIGHT WITH SPEAKER ACTIVATION.
8. INCLUDE OPTIONAL 12VDC 7AH BATTERY AND BATTERY BOX.
9. THE HEAT DETECTION AND FIRE ALARM SYSTEM MUST BE INSPECTED AND CERTIFIED BY A REGISTERED PROFESSIONAL ENGINEER (PE), PER USCG FIRE SAFETY GUIDANCE 46 CFR 27.203(g).

BILL OF MATERIAL			
PC NO.	QTY	DESCRIPTION	MATERIAL/SPECIFICATION/REMARKS
1	1	HAILER, INTERCOMM AND PUBLIC ANNOUNCING SYSTEM	RAYTHEON RAY 430, #M95997 OR EQUAL SEE NOTES 2,5
2	1	HORN SUPPLIED WITH PC 1	M95435 MOUNT FRONT OF PILOTHOUSE BELOW VISOR
3	4	SPEAKERS, TALK BACK (TB)/PUBLIC ANNOUNCING (PA)	RAYMARINE M95998 U/W PC 1 SEE NOTE 6
4	2	RG-BX COAX JUMPER WITH PLUG (PL-259) ON EACH END	U/W PCS 5 AND 6, LENGTH TO SUIT.
5	2	VHF-FM MARINE BAND RADIO	ICOM IC-M504, OR EQUAL SEE NOTES 2,5
6	2	ANTENNA, VHF, 8', 50 OHM, 6db, SO-239 CONNECTOR	U/W PC 5
7	2	STATE RADIO	OWNER FURNISHED EQUIPMENT (OFE) SEE NOTES 2,5
8	1	ALARM ANNUNCIATOR, 8-POINT, VIGILANTE II	PRECISION DIGITAL #PD158-7R2-0 SEE NOTES 2,5
9	2	REMOTE FIRE DETECTOR	NAUTICAL FIRE SUPPRESSION OR EQUAL
10	6	BILGE HIGH LEVEL SWITCH WITH ALARM	ORDERED ON DRAWING 233-101 SEE NOTES 2,5
11	1	HYDRAULIC OIL TEMPERATURE SWITCH	ORDERED ON KOBELT DRAWING SEE DWG 556-101
12	1	LOW HYDRAULIC OIL SWITCH	ORDERED ON KOBELT DRAWING SEE DWG 556-101
13	1	LOW PRESSURE SWITCH, AIR	PART OF PC1 OF DRAWING 551-101
14	2	CONNECTION BOX, HOFFMAN 10'X8'X6'	WITH BACKPLATE OR EQUAL SEE NOTE 3
15	2	TERMINAL BOARD, 14 TERMINAL	KULKA 601-GP-14 OR EQUAL
16	1	FIRE ALARM PANEL, 2 ZONE WITH BACK UP BATTERY	NAUTICAL FIRE SUPPRESSION OR EQUAL SEE NOTES 2,5,8
17	1	STROBE LIGHT, 12VDC, COLOR AMBER	AMSECO SL-401 OR EQUAL SEE NOTE 7
18	1	DIGITAL INDICATOR	U/W PC19 WIKA TYPE A-RD-1 SEE NOTES 2, 5
19	1	TRANSDUCER, WIKA WK8363485	ORD ON 551-101
20	1	FUEL PANEL	HEADHUNTER TS 3002B OR EQUAL SEE NOTES 2, 5
21	2	FUEL MONITOR	HEADHUNTER SYM230 P/O PC 20 OR EQUAL



FILE NAME =	USER NAME =	DESIGNED -- M. TASSO	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IDOT BRUSSELS FERRY COMMUNICATION SYSTEMS AND ALARMS	F.A.P. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -- M. TASSO	REVISED --			304	21-3	JERSEY	47	30	
PLOT SCALE =		CHECKED -- V. PARKER	REVISED --			CONTRACT NO. 76D29					
PLOT DATE =		DATE -- 7/19/2011	REVISED --			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

