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GENERAL NOTES

- ALL EQUIPMENT AND DESIGNS SHALL COMPLY WITH, BUT NOT BE LIMITED TO, THE REQUIREMENTS OF THE US COAST GUARD, AMERICAN BUREAU OF SHIPPING (ABS), SOLAS, AND RECOMMENDATIONS OF THE INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE) STANDARD 45. SYSTEMS AND EQUIPMENT SHALL ALSO COMPLY WITH THE REQUIREMENTS OF REGIONAL CLASS RESEARCH VESSEL DESIGN TECHNICAL SPECIFICATIONS, CURRENT REVISION. USCG AND SOLAS REGULATIONS FOR STRUCTURAL FIRE PROTECTION SHALL BE FOLLOWED.
- 1JV TELEPHONES MOUNTED IN PILOT HOUSE WINGS ARE SETUP AS SINGLE STATION NUMBER
- DIAL TELEPHONE SYSTEM SEVEN-BUTTON IP SPEAKERPHONES SHALL PROVIDE PREPROGRAMED ACCESS TO THE FOLLOWING CHANNELS: LANDLINE1, LANDLINE 2, SHIP'S CELL, SATELLITE 1, SATELLITE 2, AND OTHERS AS APPROVED BY THE OWNER'S REPRESENTATIVE.
- SCIENCE OPERATIONS INTERCOM SYSTEM:
 - THE INTERCOM SYSTEM CONSIST OF A LOOP OF 12 CONNECTED STATIONS.
 - EACH STATION ON THE LOOP SHALL RECEIVE ALL COMMUNICATIONS FROM ANY STATION, AND ANY STATION SHALL BE CAPABLE OF INITIATING COMMUNICATIONS ON THE LOOP.
 - ALL TRAFFIC ON THE LOOP CAN BE HEARD BY ALL STATIONS.
 - INTERCOM SYSTEM CENTRAL CONTROL UNIT IS LOCATED INSIDE THE TELEPHONE SYSTEM MAIN RACK LOCATED IN ELECTRONICS CLOSET.
- THE CONSTRUCTION OF CABLE SHALL BE IN ACCORDANCE WITH 'MIL-DTL-24643', CABLES, ELECTRIC, LOW SMOKE HALOGEN-FREE, FOR SHIPBOARD USE, IEEE45, RECOMMENDED PRACTICE OF ELECTRIC INSTALLATIONS ON SHIPBOARD; OR IEC 60092, ELECTRICAL INSTALLATION IN SHIPS FOR MARINE, LOW-SMOKE, HALOGEN-FREE, PVC-FREE, FLAME-RETARDANT CABLE, AS ALLOWED BY THE REGULATIONS. CABLES SHALL BE NEXANS MPRX CABLE IN THE SIZES INDICATED IN THE BODY OF THE DRAWING.
- BCC CCTV TOUCH SCREEN WILL BE INSTALLED WITH ALPHAVIEW CLIENT SOFTWARE THAT WILL ALLOW OPERATOR TO ENABLE GA ALARMS AND PRE RECORDED MESSAGES VIA TELEPHONE AND ANNOUNCING SYSTEMS.
- FOLLOWING TELEPHONE STATIONS WILL HAVE ABILITY TO MAKE PUBLIC ANNOUNCEMENT THROUGH PA SYSTEM
 - SIX OUTDOOR TFIE-1 STATIONS (ITEM#59). ALSO SHOWN IN ANNOUNCING SYSTEM,
 - PILOTHOUSE IPCRM IP FLUSH MASTER STATIONS
 - ECR IP FLUSH MASTER STATION
- HEADSETS IN SAME SPACE WILL BE STOWED TOGETHER IN ONE BOX

REVISIONS						
REV	SH	ZONE	ITEM	DESCRIPTION	DATE	APPL SIG & ORG
P1	ALL	ALL	-	PRELIMINARY ISSUE	04/08/18	DV
P2	ALL	ALL	-	COMBINED BOM TO SHEET 1 & 2	06/20/18	TV
	ALL	ALL	-	CHANGED COMPARTMENT NUMBERS TO REFLECT CR-12 VESSEL EXTENSION	06/29/18	DV
	6	ALL	-	CHANGED INTERCOM PHONE TYPES TO SINGLE PUSHBUTTON TYPE UNITS PER REQUEST	06/29/18	DV
	5	D3	1	REMOVED DAK-48 PANEL FROM PILOTHOUSE CONSOLE PHONES	06/29/18	DV
		D5	2	ADDED ADDITIONAL ACM PHONE TO PILOTHOUSE AFT BULKHEAD WITH DAK-48 PANEL PER REQUEST	06/29/18	DV
-	ALL	ALL	-	ADDRESSED OSU COMMENTS	05/12/19	DV
	5	D2	1	ADDED CELLULAR ANTENNA	05/12/19	DV
A	ALL	ALL	1	UPDATED PER GENERAL COMMENTS	07/09/19	BPS
	5,6	ALL	2	ADDED PA CALL STATIONS REFERENCE	04/11/20	DV
	5	B1	3	ADDED EXTERNAL COMMUNICATION SYSTEM CABLES	04/11/20	DV
	5,6	ALL	4	CHANGED DIAL TELEPHONE LIGHT MODELS	04/23/20	DV
	5	B1	5	ADDED CONNECTION TO CCTV	04/24/20	DV
	5	C1	6	ADDED CONNECTION TO IMACS ALARM COLUMN	04/24/20	DV
B	ALL	ALL	1	UPDATED PER OSU COMMENTS	05/28/20	DV
	8-12	ALL	2	ADDED EQUIPMENT DISPOSITION DRAWING SHEETS 8-12	05/28/20	DV
	ALL	ALL	3	CONSOLIDATED STOWAGE BOXES FOR THE HEADSETS	06/11/20	DV
	7	C4	4	ADDED INTERCOM STATION TO MOORING EQUIPMENT ROOM	06/11/20	DV
VAR	VAR	VAR	5	CHANGED ELECTRICAL ROOM PHONE TO CORDLESS SIP PHONE	06/17/20	DV
VAR	VAR	VAR	6	CHANGED TRANSCEIVER ROOM & SHIP STORE ROOM PHONE TO TFIE-1 MODEL	06/17/20	DV
VAR	VAR	VAR	7	ADDED PHONE TO ATMOSPHERIC EQUIPMENT ROOM	06/17/20	DV
VAR	VAR	VAR	8	CHANGED DECK OP STATION PHONE TYPE	06/17/20	DV
VAR	VAR	VAR	9	REMOVED PHONE BOOTHS	06/17/20	DV
	7	5D	10	ADDED ACTIVATION BUTTON AND SPEAKER FOR Sc Op INTERCOM BCC STATION	08/31/20	DV

EMERGENCY TELEPHONE SYSTEM (EQUIPMENT LIST)					
#	PART NUMBER	DESCRIPTION	QTY	MANUFACTURER	REMARK
1	3006102010	BLUE BEACON BEX-24B 24V DC BLUE ATEX IP67	2	ZENITEL	
2	1020159000	PLUGBOX WATERTIGHT - IP-66 CD-4	4	ZENITEL	
3	3006102038	BLUE ROTARY LIGHT 24V DC - IP-54 EHS-24B	4	ZENITEL	
4	3006090478	METAL BOX WALL MOUNTED MBOOKS	5	ZENITEL	
5	3006202013	PLM-54M ENCLOSURE IP66 PRE-MOUNTED W/EQUIPMENT	2	ZENITEL	
6	3005000029	TELEPHONE BOOTH MODEL-A	0	ZENITEL	REMOVED
7	1020600931	VSP-211-L MAIN STATION, PANEL MOUNTED	2	ZENITEL	PRIMARY UNIT
8	1020600935	VSP-213-L MAIN STATION, PANEL MOUNTED, INDOOR UNIT	7	ZENITEL	
9	1020600943	VSP-223-L MAIN STATION, PANEL MOUNTED W/BUILT-IN RELAY CIRCUIT - 24VDC	5	ZENITEL	
10	1020600756	VSP-36-PELP-Y HEADSET W/BOOM MIC. WITH 10 METER CABLE & PLUG	4	ZENITEL	
11	3006200037	VSP-5004 EX BUFFER UNIT IN SAFE AREA, SELECTIVE CALLING TO 4 STATIONS.	1	ZENITEL	
12	3006200044	VSP-512 INTRINSICALLY SAFE MAIN STATION W. 12 POS. SELECTOR SWITCH	2	ZENITEL	
13	2330040025	VSP-512-AKHS-10 HEADSET WITH HEADBAND ATEX CERTIFIED	3	ZENITEL	
14	3006200049	WOODEN CABINET WALL MOUNTED VSPK	3	ZENITEL	
15	1008140225	TA-22B 10M CABLE & PLUG BOX W/PTT	2	ZENITEL	
16	3006202012	PLM-43M ENCLOSURE	6	ZENITEL	
17	JB_432-#JV-L#	JUNCTION BOX (USED FOR CONNECTING LIGHT)	4	TBD	NOT BEIER SUPPLY
18	JB_432-#JV-#	JUNCTION BOX (USED FOR CONNECTING PHONES)	4	TBD	NOT BEIER SUPPLY
DIAL TELEPHONE SYSTEM (EQUIPMENT LIST)					
19	28100100115	CAB42FD-V2 PRE-ASSEMBLED CABINET FLOOR 19" 42 HU 600X800X2150 MM	1	ZENITEL	
20	2220012068	CISCO CATALYST C2960+24PC-L ETHERNET SWITCH	3	ZENITEL	MOUNTED IN RACK (#19)
21	1009647908	VINGTOR BILLING - 8 EXTERNAL TRUNKS / 400 USERS	1	ZENITEL	MOUNTED IN RACK (#19)
22	2200003000	GSM MEDIA GATEWAY - QUAD BAND (800/900/1800/1900)	1	ZENITEL	MOUNTED IN RACK (#19)
23	1009648500	AUTO ATTENDANT, RECALL FUNCTION, 4 MIN OF PRERECORDED MESSAGES	1	ZENITEL	MOUNTED IN RACK (#19)
24	2810011003	19" CABLE MANAGER 1U W/ BRUSHES	3	ZENITEL	MOUNTED IN RACK (#19)
25	1159607200	ACM-XE7 MODULE	1	ZENITEL	MOUNTED IN RACK (#19)
26	1191101010	ALPHAVIEW CLIENT, ENHANCED LICENSE	1	ZENITEL	MOUNTED IN RACK (#19)
27	1009641006	IP STATION LICENS FOR 6 STATIONS - SUPPORTS 6 INTERCOM STATIONS	12	ZENITEL	MOUNTED IN RACK (#19)
28	1009649902	STENTOFON API LICENSE SUPPORTING 80 STATIONS	1	ZENITEL	MOUNTED IN RACK (#19)
29	3006204099	MP-118 ANALOGUE MEDIA GATEWAY - FXO 8-PORT - 100-240VAC	1	ZENITEL	MOUNTED IN RACK (#19)
30	1150102103	MP-11X GATEWAY MOUNTING KIT FOR ACM-ADV INCL ASSEMBLY	1	ZENITEL	MOUNTED IN RACK (#19)
31	1008131020	TKIS-2 VOIP INTERCOM MODULE/ I-O KIT FOR INTERFACE TO PA / ETC.	1	ZENITEL	MOUNTED IN RACK (#19)
32	1151004050	MRBD MULTI RELAY BOARD WITH 6 RELAY DRIVERS FOR ACM STANDARD	1	ZENITEL	MOUNTED IN RACK (#19)
33	3006204031	PATCH CABLE UTP TYPE D 0,5M	60	ZENITEL	MOUNTED IN RACK (#19)
34	2220018015	PATCH CABLE UTP CAT.6 0,5M GREY	4	ZENITEL	MOUNTED IN RACK (#19)
35	9011810012	POWER MODULE 208 VAC MAIN + 208 VAC EMG TYPE C	1	ZENITEL	MOUNTED IN RACK (#19)
36	2990000041	PROMAX-120-24 POWER SUPPLY 100-240VAC/24VDC 5A DNV-GL	1	ZENITEL	MOUNTED IN RACK (#19)
37A	1009648001	CRM V DAK48 LICENSE	2	ZENITEL	INSTALLED IN SERVER (#19)
37B	1009643001	SIP STATION LICENSE	1	ZENITEL	INSTALLED IN SERVER (#19)

RESERVATIONS		
NO.	TITLE	DRAWING NUMBER
11	CLOSE CIRCUIT TELEVISION SYSTEM	6096-439-001
10	IMACS I/O LIST	6096-436-007
9	EXTERNAL COMMUNICATION SYSTEMS	6096-440-001
8	ANTENNA ARRANGEMENT DRAWING	6096-441-002
7	IMACS CABLE BLOCK DIAGRAM	6096-436-001
6	RADIO SYSTEMS	6096-441-001
5	ANNOUNCING SYSTEMS	6096-433-001
4	ELECTRICAL ONE LINE DIAGRAM	6096-300-001
3	DC SYSTEMS ONE LINE DIAGRAM	6096-313-002
2	GENERAL ARRANGEMENT	6096-070-001
1	TECHNICAL SPECIFICATION (GLOSTEN)	12100

REFERENCE PLANS

DRAWING CONFIDENTIALITY STATEMENT

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301 GULF ISLAND ROAD
HOUMA, LA 70363
PHONE: (985) 872-2305
CONTRACT/PO NO.
184162

OREGON STATE UNIVERSITY
CORVALLIS, OR 97331

199'-6" REGIONAL CLASS RESEARCH VESSEL

TELEPHONE SYSTEMS
CABLING DIAGRAM
TITLE SHEET

DRAWN: ZT	04/24/20	SIZE	FSCM CAGE NO.	DRAWING NO.	REV
CHECKED: JJ	04/24/20	D	7UTH5	6096-432-001	B
APPROVED: DV	04/24/20	SCALE:	NONE	HULL# 6096/6097/6098	SHEET 1 OF 12



A New Role Company

9
B

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B

PROFESSIONAL ENGINEER STAMP

EQUIPMENT LIST (CONTINUED)					
#	PART NUMBER	DESCRIPTION	QTY	MANUFACTURER	REMARK
38A	9PX3000GLRT	ONLINE UPS 3000VA 208VAC, 2U	1	EATON	MOUNTED IN RACK (#19)
38B	9PXEEM72RT	EXTENDED BATTERY MODULE	2	EATON	MOUNTED IN RACK (#19)
38C	INDRELAY-MS	RELAY OUTPUT CARD FOR UPS	1	EATON	MOUNTED IN RACK (#19)
39	2810050023	BC-13-203 MARITIME LAN PATCH PANEL 24P BLACK - EMPTY V2	3	ZENITEL	MOUNTED IN RACK (#19)
40	2810050024	BC-11-004-24 CONNECTOR RJ45 CAT6A STP V2 24 PCS	3	ZENITEL	MOUNTED IN RACK (#19)
41A	1009642008	SIP TRUNKING LICENSE, 8 LINES	1	ZENITEL	MOUNTED IN RACK (#19)
41B	1009642002	SIP TRUNKING LICENSE, 2 LINES	1	ZENITEL	MOUNTED IN RACK (#19)
42	2220040031	BC-12-021 INDUSTRIAL IP 67 1XRJ45 STP CAT.6A WALL OUTLET	3	ZENITEL	
43	2220040032	BC-12-024 INDUSTRIAL IP 67 2XRJ45 STP CAT.6A WALL OUTLET	1	ZENITEL	(RESERVED PENDING DESIGN COMPLETION)
44	2810050027	BC-12-253 WALLBOX 1XRJ45 STP V2 CAT6A 84X84	33	ZENITEL	
45	9110100004	BC-17-015 INDUSTRIAL PATCH CORD IP 67 - IP 67 50M	2	ZENITEL	
46	2220040034	BC-17-005 INDUSTRIAL PATCH CORD IP 67 - IP 20 5M	3	ZENITEL	
47	2810050009	BC-12-212 RJ45 CAT6A DIN OUTLET COMPLETE	5	ZENITEL	
48	2200004302	OMNI291-GSM MULTIBAND ANTENNA + 20M CABLE & BRACKET	1	ZENITEL	
49	AK5850HS	A-KABEL TWIN-COM HEADBAND HEADSET ATEX	7	ZENITEL	
50	1008010100	CRM-V DAK KEY EXPANSION MODULE FOR CRM-V, 48 KEYS	1	ZENITEL	
51	1008097100	CRM-V FLUSH HANDSET	6	ZENITEL	
52	1008031000	CRM-V IP FLUSH MASTER	6	ZENITEL	
53	2340220005	L-101-24B XENON STROBE, 20-28VDC, IP66 BLUE	7	ZENITEL	
54	2220040030	INSTALLATION KIT FOR IP SPEAKERS/TCIS/TFIE/EAPII, CAT6A	22	ZENITEL	USED FOR INSTALLING ITEMS #58,59
55	1008001000	IP DESK MASTERSTATION W/DISPLAY & HANDSET	33	ZENITEL	
56	1008140010	TA-1 TURBINE COMPACT ON WALL BOX	5	ZENITEL	
57	1008140225	TA-22B 10M CABLE AND PLUGBOX W/PTT FOR INDUSTRIAL HEADSET	7	ZENITEL	
58	1008111060	TCIS-6 TURBINE COMPACT IP STANDARD-6 - IP66	5	ZENITEL	
59	1008122010	TFIE-1 TURBINE FULL-SIZE INDUSTRIAL IP EXTENDED-1	17	ZENITEL	
60	1008091100	WALL BRACKET FOR IP DESKTOP	33	ZENITEL	USED FOR OPTIONAL WALL MOUNTING OF ITEM #55
61A	1008098700	FLUSH MOUNT BACK BOX FOR IP FLUSH MASTER	2	ZENITEL	USED FOR WALL MOUNTING OF ITEM#61B IN HEAD
61B	1008015000	IP QR MASTER DISPLAY UNIT IP65	2	ZENITEL	MOUNTED WITH 61A
61D	2211000660	DP750 GRANDSTREAM DECT VOIP BASE STATION	1	ZENITEL	
61E	221100155	DP720 DECT CORDLESS HANDSET	1	ZENITEL	
61F	1008140100	TA-10 CONNECTION MODULE W/ RELAY FOR TFIEX STATION	7	ZENITEL	MOUNTED INSIDE ITEM#59 USED W/ STROBES
SCIENCE OPERATIONS INTERCOM SYSTEM (EQUIPMENT LIST)					
62	1009601003	ALPHACOM XE1-V.11 W/LICENSE FOR 3 STATIONS	1	ZENITEL	MOUNTED IN MAIN TELEPHONE SYSTEM RACK (#19)
63	9011810012	POWER MODULE 208 VAC MAIN + 208 VAC EMG TYPE C	1	ZENITEL	MOUNTED IN MAIN TELEPHONE SYSTEM RACK (#19)
64	1009641006	IP STATION LICENSE FOR 6 STATIONS - SUPPORTS 6 INTERCOM STATIONS	3	ZENITEL	STATION LICENSE
65	2220012068	CISCO CATALYST C2960+24PC-L ETHERNET SWITCH	1	ZENITEL	MOUNTED IN MAIN TELEPHONE SYSTEM RACK (#19)
66	2810050023	BC-13-203 MARITIME LAN PATCH PANEL 24P BLACK - EMPTY V2	1	ZENITEL	MOUNTED IN MAIN TELEPHONE SYSTEM RACK (#19)
67	2810050024	BC-11-004-24 CONNECTOR RJ45 CAT6A STP V2 24 PCS	1	ZENITEL	MOUNTED IN MAIN TELEPHONE SYSTEM RACK (#19)
68	2810011003	19" CABLE MANAGER 1U W/ BRUSHES	1	ZENITEL	MOUNTED IN MAIN TELEPHONE SYSTEM RACK (#19)
69	2220018019	PATCH CABLE UTP CAT.6 1M	1	ZENITEL	MOUNTED IN MAIN TELEPHONE SYSTEM RACK (#19)
70	2220018015	PATCH CABLE UTP CAT.6 0.5	13	ZENITEL	MOUNTED IN MAIN TELEPHONE SYSTEM RACK (#19)
71	3006202012	PLM-43M ENCLOSURE IP66 PRE-MOUNTED W/EQUIPMENT	1	ZENITEL	
72	1008111050	TCIS-5 2-BUTTON IP INTERCOM STATION	3	ZENITEL	
73A	1008097500	CRM-V GOOSENECK MICROPHONE	1	ZENITEL	
73B	3005020028	ETC-1CH CHASSIS CONTACT 5PIN DIN FOR MIC W/1M CABLE	1	ZENITEL	
74	1008111040	TCIS-4 1-BUTTON IP INTERCOM STATION	6	ZENITEL	
75	-	-	-	-	-
76	1008122020	TFIE-2 TURBINE FULL-SIZE INDUSTRIAL IP EXTENDED 6 BUTTON	4	ZENITEL	
77	2220040031	BC-12-021 INDUSTRIAL IP 67 1XRJ45 STP CAT.6A WALL OUTLET	1	ZENITEL	
78	1008140225	TA-22B 10M CABLE AND PLUGBOX W/PTT FOR INDUSTRIAL HEADSET	1	ZENITEL	
79	3006102038	EHS-24B ROTARY LIGHT 24V DC - IP-54 BLUE	1	ZENITEL	
80	AK5850HS	A-KABEL TWIN-COM HEADBAND HEADSET ATEX	1	ZENITEL	
81	1008132020	TURBINE EXTENDED IP KIT TKIE-2	1	ZENITEL	
82	9110100004	BC-17-015 INDUSTRIAL PATCH CORD IP 67 - IP 67 10M	1	ZENITEL	
83	1008140010	TA-1 TURBINE COMPACT ON WALL BACK BOX	6	ZENITEL	
84	2220040030	INSTALLATION KIT FOR IP SPEAKERS/TCIS/TFIE/EAPII, CAT6A	13	ZENITEL	USED FOR INSTALLING ITEMS #72,74,76
85	1008140100	TA-10 RELAY CONNECTION MODULE	1	ZENITEL	MOUNTED INSIDE ITEM#76
86	JB_432-IC-L#	JUNCTION BOX (USED FOR CONNECTING LIGHT)	1	TBD	NOT BEIER SUPPLY
87	SCT1615	LIGHTED (BLUE) PUSHBUTTON PANEL	1	BEIER	
88	FRS10WP	8Ω WATERPROOF SPEAKER	1	VISATON	
INSTALLATION CABLES (ALL CABLES ARE TO LSZH)					
C1	TBD	2 CONDUCTOR 14AWG LSZH DC POWER CABLE	-	TBD	NOTED AS C1
C2	TBD	3 CONDUCTOR 14AWG LSZH AC POWER CABLE	-	TBD	NOTED AS C2
C3	TBD	INDIVIDUALLY SCREENED TWISTED TWO PAIR 18AWG LSZH CONTROL CABLE	-	TBD	NOTED AS C3
C4	TBD	ARMORED INDIVIDUALLY SCREENED TWISTED TEN PAIR 18AWG LSZH TRUNK CABLE	-	TBD	NOTED AS C4
C5	TBD	ARMORED INDIVIDUALLY SCREENED TWISTED FIVE PAIR 18AWG LSZH TRUNK CABLE	-	TBD	NOTED AS C5
C6	TBD	CATEGORY 7 800 S/FTP LSZH ETHERNET CABLE	-	TBD	NOTED AS C6
C7	TBD	2 CONDUCTOR 12AWG LSZH DC POWER CABLE	-	TBD	NOTED AS C7

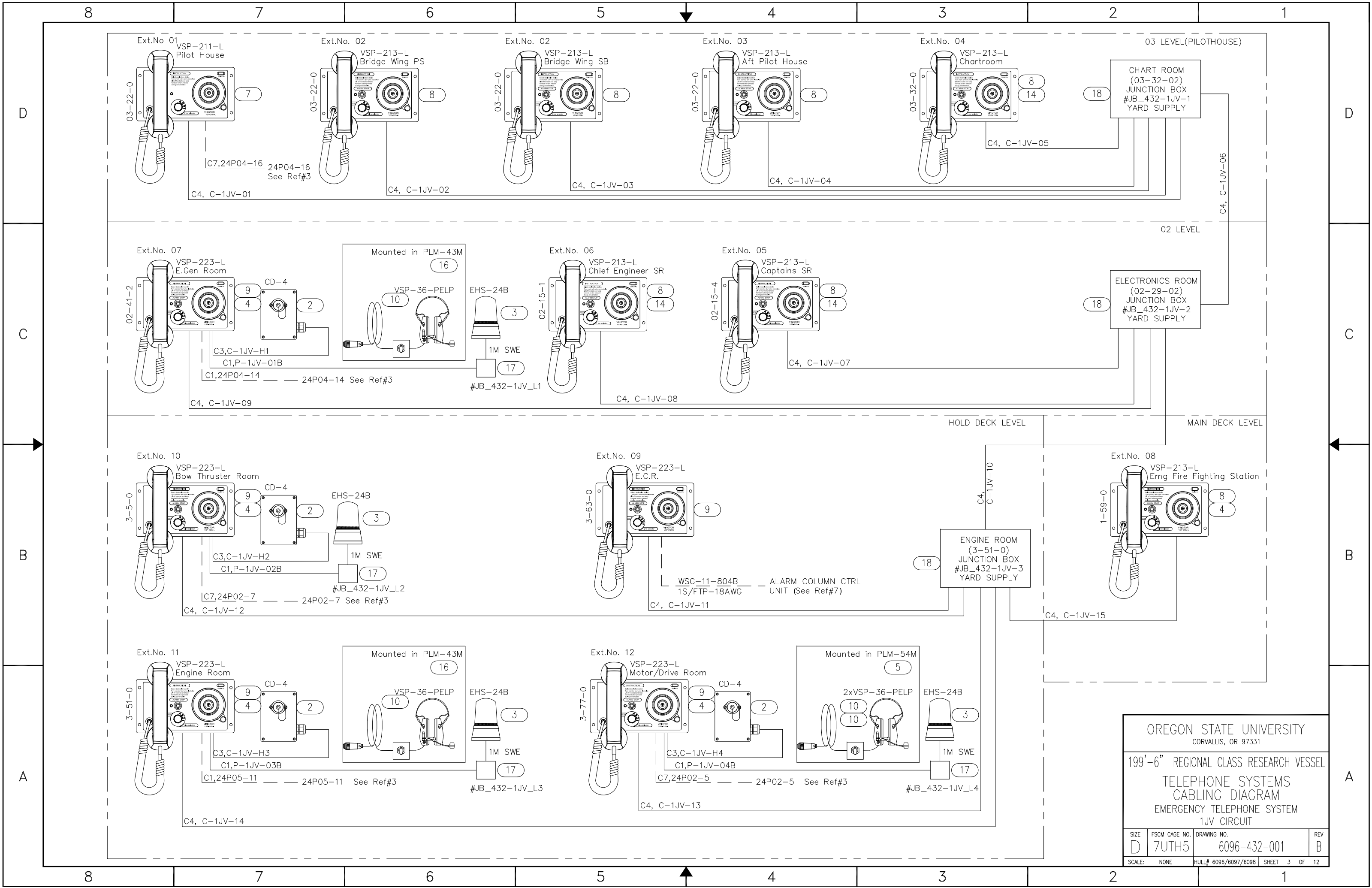
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199'-6" REGIONAL CLASS RESEARCH VESSEL
TELEPHONE SYSTEMS
CABLING DIAGRAM
EQUIPMENT LIST

SIZE D	FSCM CAGE NO. 7UTH5	DRAWING NO. 6096-432-001	REV B
SCALE: NONE		HULL# 6096/6097/6098	SHEET 2 OF 12

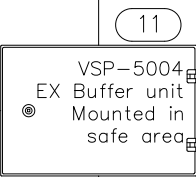
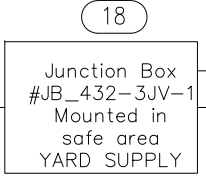
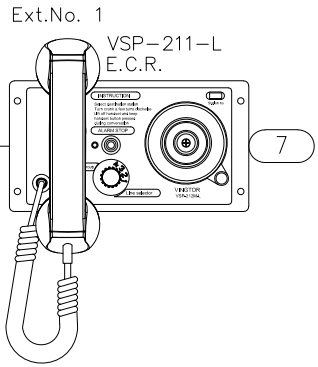
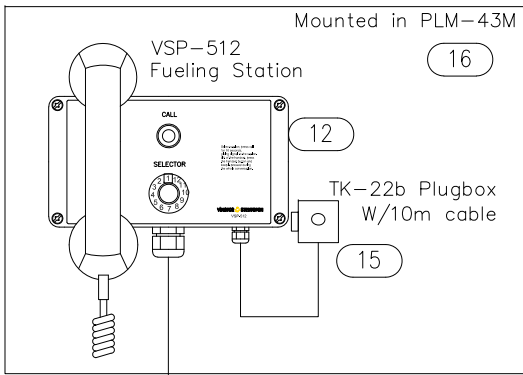
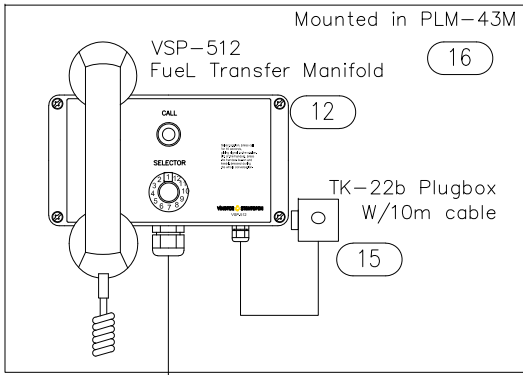
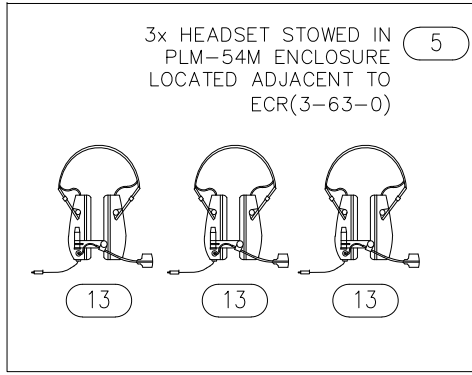
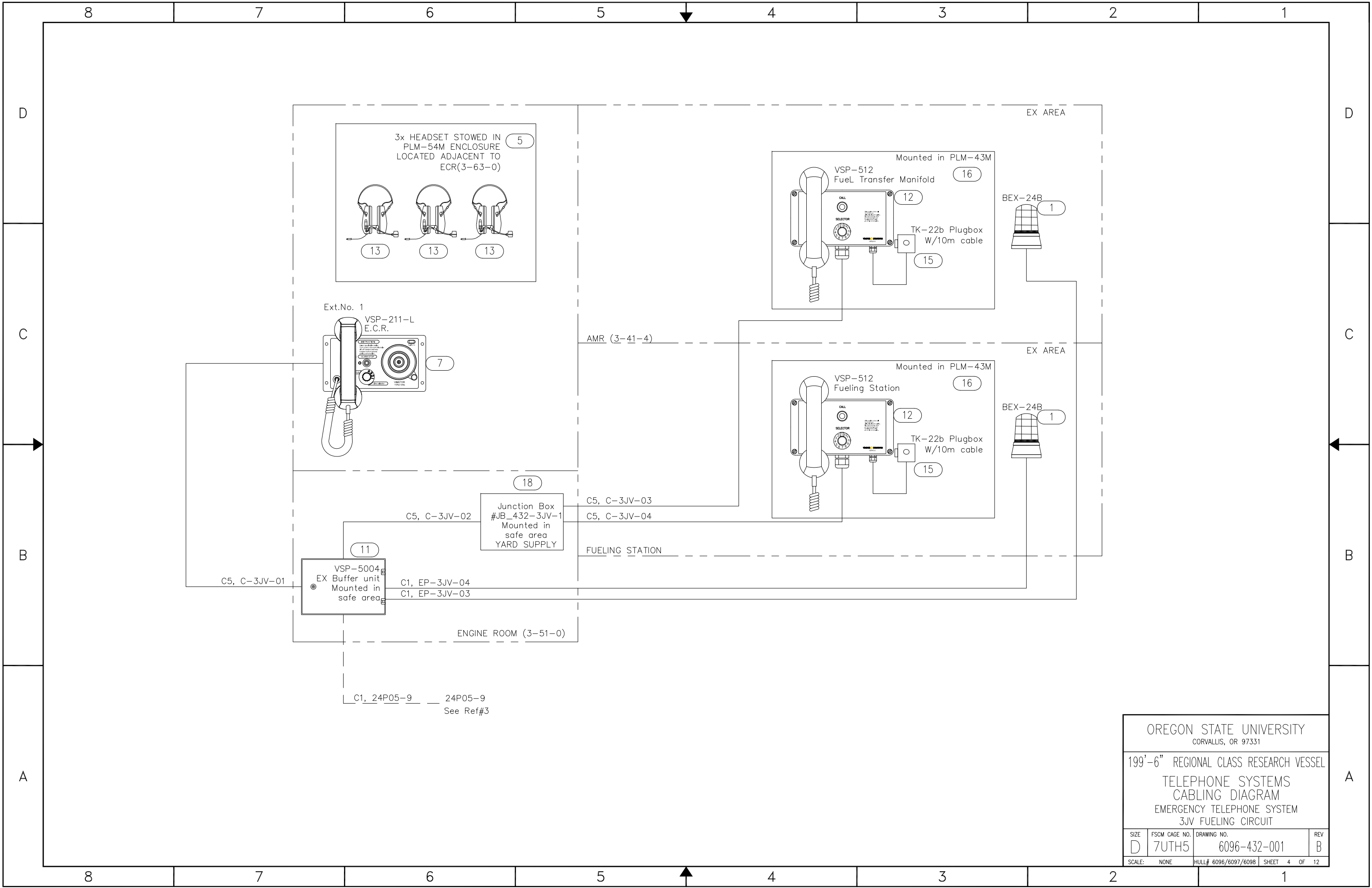


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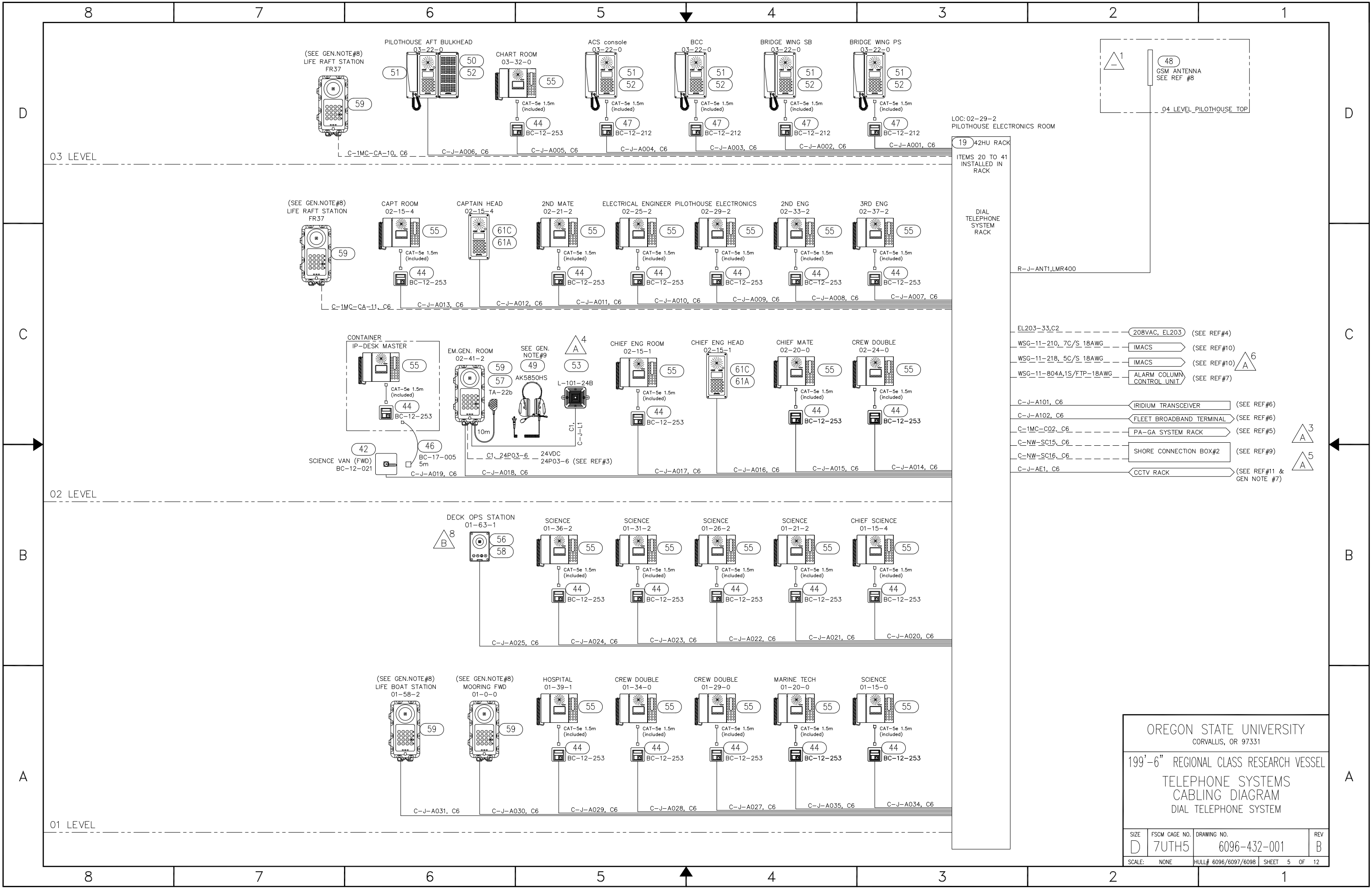
199'-6" REGIONAL CLASS RESEARCH VESSEL

TELEPHONE SYSTEMS
CABLING DIAGRAM
EMERGENCY TELEPHONE SYSTEM
1JV CIRCUIT

SIZE D	FSCM CAGE NO. 7UTH5	DRAWING NO. 6096-432-001	REV B
SCALE: NONE		HULL# 6096/6097/6098	SHEET 3 OF 12



OREGON STATE UNIVERSITY CORVALLIS, OR 97331			
199'-6" REGIONAL CLASS RESEARCH VESSEL			
TELEPHONE SYSTEMS CABLING DIAGRAM			
EMERGENCY TELEPHONE SYSTEM 3JV FUELING CIRCUIT			
SIZE D	FSCM CAGE NO. 7UTH5	DRAWING NO. 6096-432-001	REV B
SCALE: NONE		HULL# 6096/6097/6098	SHEET 4 OF 12

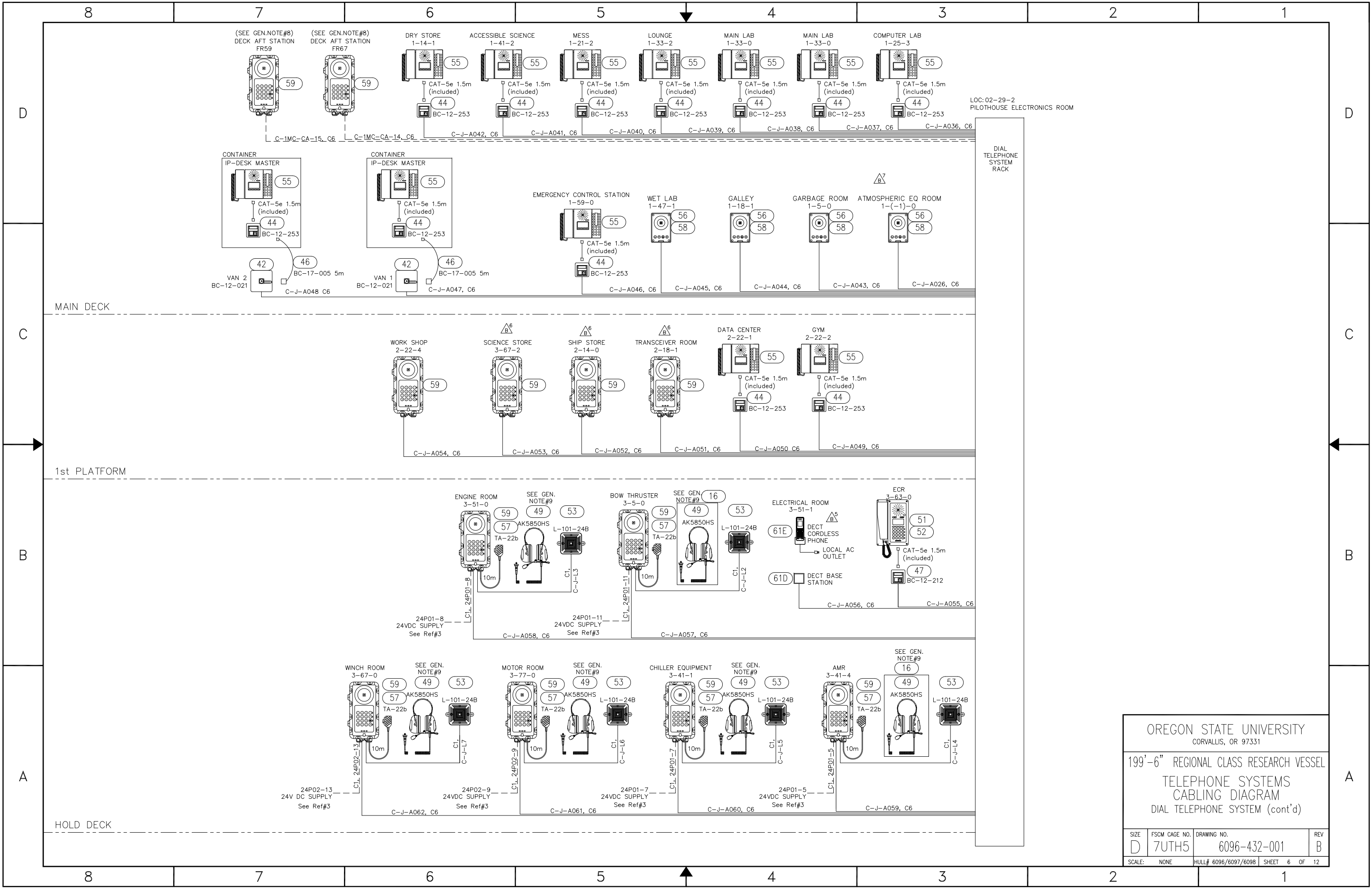


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199'-6" REGIONAL CLASS RESEARCH VESSEL

TELEPHONE SYSTEMS
CABLING DIAGRAM
DIAL TELEPHONE SYSTEM

SIZE D	FSCM CAGE NO. 7UTH5	DRAWING NO. 6096-432-001	REV B
SCALE: NONE	HULL# 6096/6097/6098	SHEET 5 OF 12	



OREGON STATE UNIVERSITY
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 199'-6" REGIONAL CLASS RESEARCH VESSEL
 TELEPHONE SYSTEMS
 CABLING DIAGRAM
 DIAL TELEPHONE SYSTEM (cont'd)

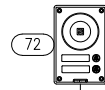
SIZE D	FSCM CAGE NO. 7UTH5	DRAWING NO. 6096-432-001	REV B
SCALE: NONE	HULL# 6096/6097/6098	SHEET 6	OF 12

LOC: 02-29-2
PILOTHOUSE ELECTRONICS ROOM

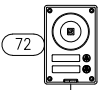
(62) - (70)

DIAL
TELEPHONE
SYSTEM
RACK

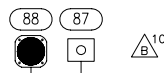
BRIDGE WING SB
03-22-0



BCC CONSOLE
03-22-0



(AT BCC CONSOLE)

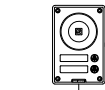


(AT BCC overhead)
CRM-V

73A

73B

ACS CONSOLE
03-22-0



C-J-B001,C6
C-J-B002,C6
C-J-B003,C6
C-J-B004,C6

C-J-B001-2,C3
C-J-B002-3,C3

81
TKIE-2

03 LEVEL

DECK OPERATIONS STATION

01-63-1



MOORING_EQUIPMENT
01-0-0

76



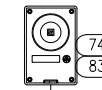
C-J-B005,C6
C-J-B006,C6

01 LEVEL

COMPUTER LAB
1-25-3



MAIN LAB
1-33-0



WET LAB
1-47-1



STAGING_AREA_SB
TFIE-2



A-FRAME_CONTROL
TFIE-2



C-J-B007,C6
C-J-B008,C6
C-J-B009,C6
C-J-B010,C6
C-J-B011,C6
C-J-B012,C6

PORTABLE W/ BOX
TCIS-4

CRANE_BASE
BC12-021



77

BC-17-015
10m

82

MAIN DECK

DATA CENTER
2-22-1



C-J-B013,C6

1st PLATFORM

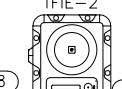
EHS-24B



PLM54



WINCH_ROOM
3-67-0



C-J-B014,C6

86

#JB_432-IC_L1

78

10m

76

85

C1. 24P05-4

24P05-4 PANEL
See Ref#3

HOLD DECK

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CORVALLIS, OR 97331

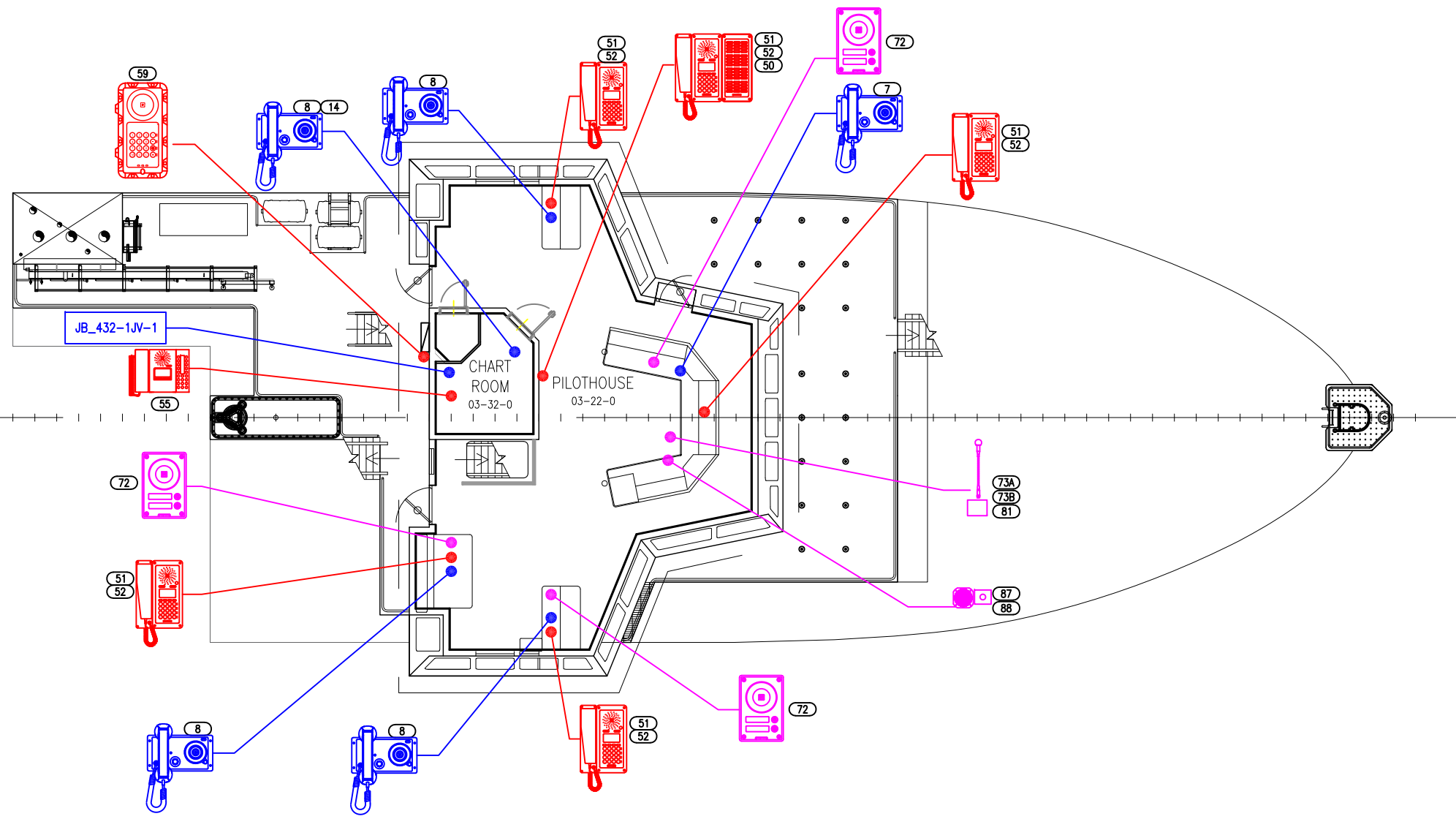
199'-6" REGIONAL CLASS RESEARCH VESSEL

TELEPHONE SYSTEMS
CABLING DIAGRAM
SCIENCE OPERATIONS INTERCOM SYSTEM

SIZE D	FSCM CAGE NO. 7UTH5	DRAWING NO. 6096-432-001	REV B
SCALE: NONE	HULL# 6096/6097/6098	SHEET 7 OF 12	

EQUIPMENT COLOR CODE

BLUE – 1JV EMERGENCY PHONE SYSTEM
 GREEN – 3JV EMERGENCY PHONE SYSTEM
 RED – DIAL TELEPHONE
 PURPLE – INTERCOM SYSTEM

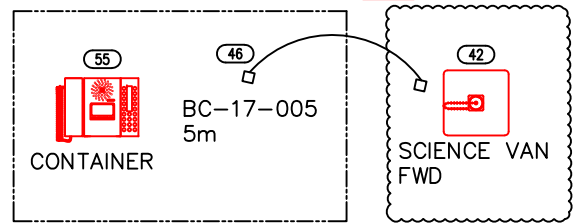
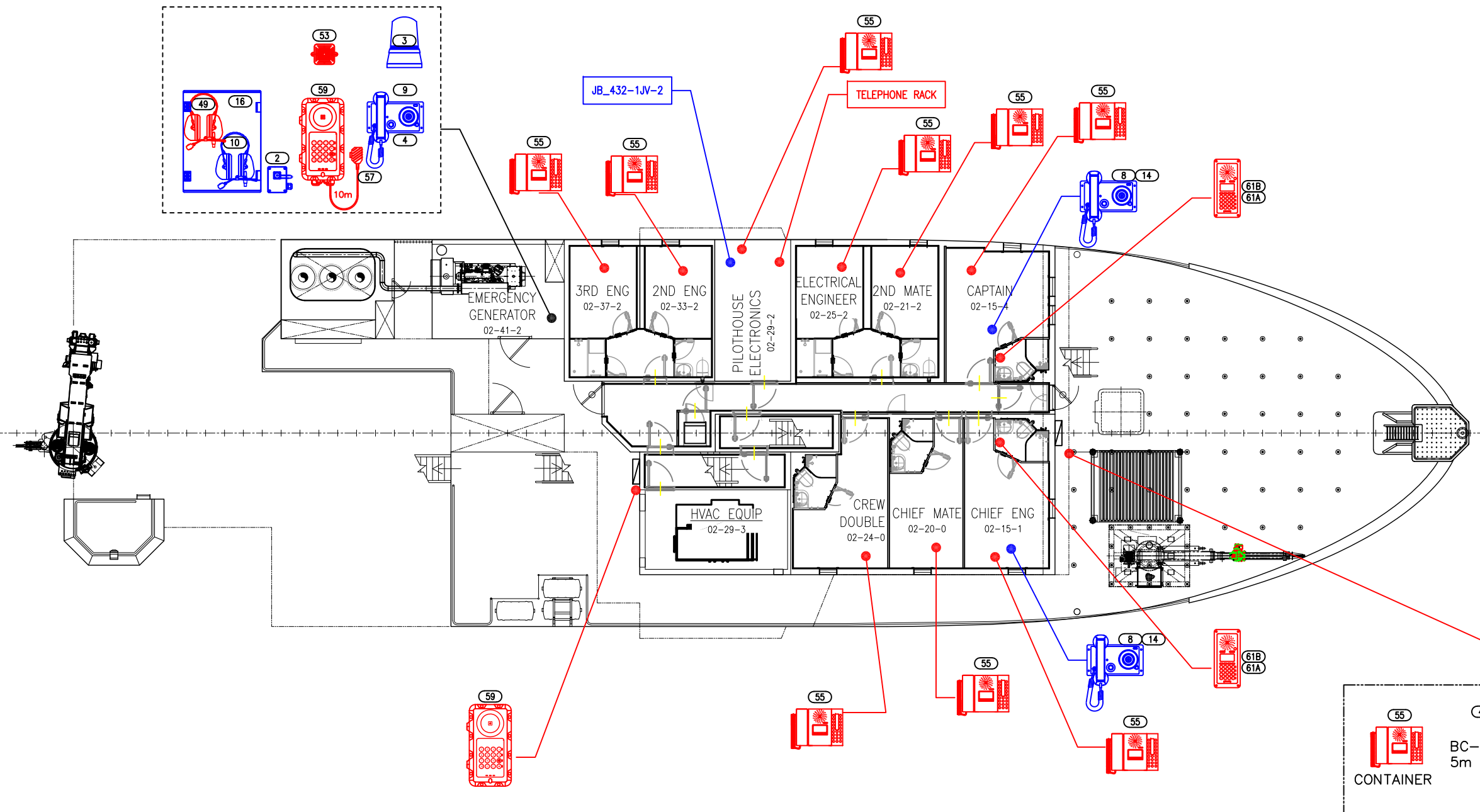


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199'-6" REGIONAL CLASS RESEARCH VESSEL
 TELEPHONE SYSTEMS
 CABLING DIAGRAM
 03 LEVEL ARRANGEMENT

SIZE	FSCM CAGE NO.	DRAWING NO.	REV
D	7UTH5	6096-432-001	B
SCALE:	NONE	HULL# 6096/6097/6098	SHEET 8 OF 12

EQUIPMENT COLOR CODE
 BLUE – 1JV EMERGENCY PHONE SYSTEM
 GREEN – 3JV EMERGENCY PHONE SYSTEM
 RED – DIAL TELEPHONE
 PURPLE – INTERCOM SYSTEM

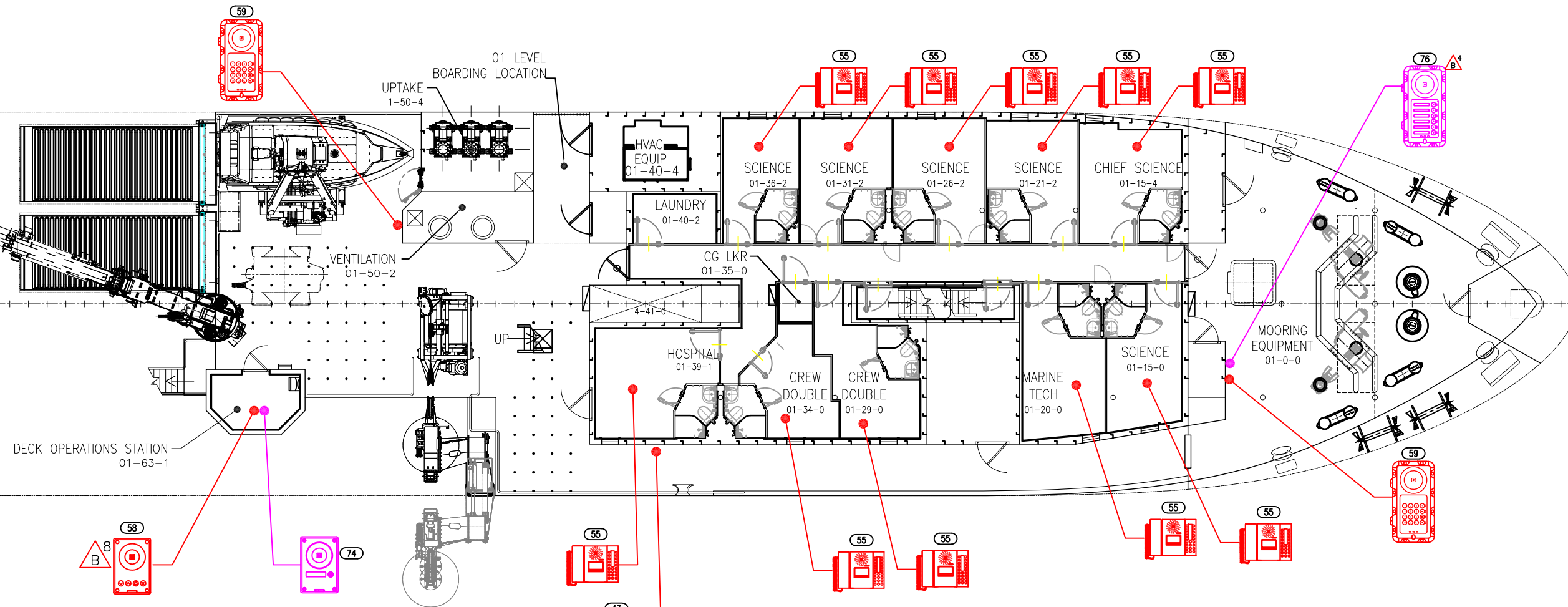


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 CORVALLIS, OR 97331
 199'-6" REGIONAL CLASS RESEARCH VESSEL
 TELEPHONE SYSTEMS
 CABLING DIAGRAM
 02 LEVEL ARRANGEMENT

SIZE	FSCM CAGE NO.	DRAWING NO.	REV
D	7UTH5	6096-432-001	B
SCALE:	NONE	HULL# 6096/6097/6098	SHEET 9 OF 12

EQUIPMENT COLOR CODE

BLUE – 1JV EMERGENCY PHONE SYSTEM
 GREEN – 3JV EMERGENCY PHONE SYSTEM
 RED – DIAL TELEPHONE
 PURPLE – INTERCOM SYSTEM



SHORE STATIONS
 LOC: consolidated with
 shore connection boxes
 (REF#9)

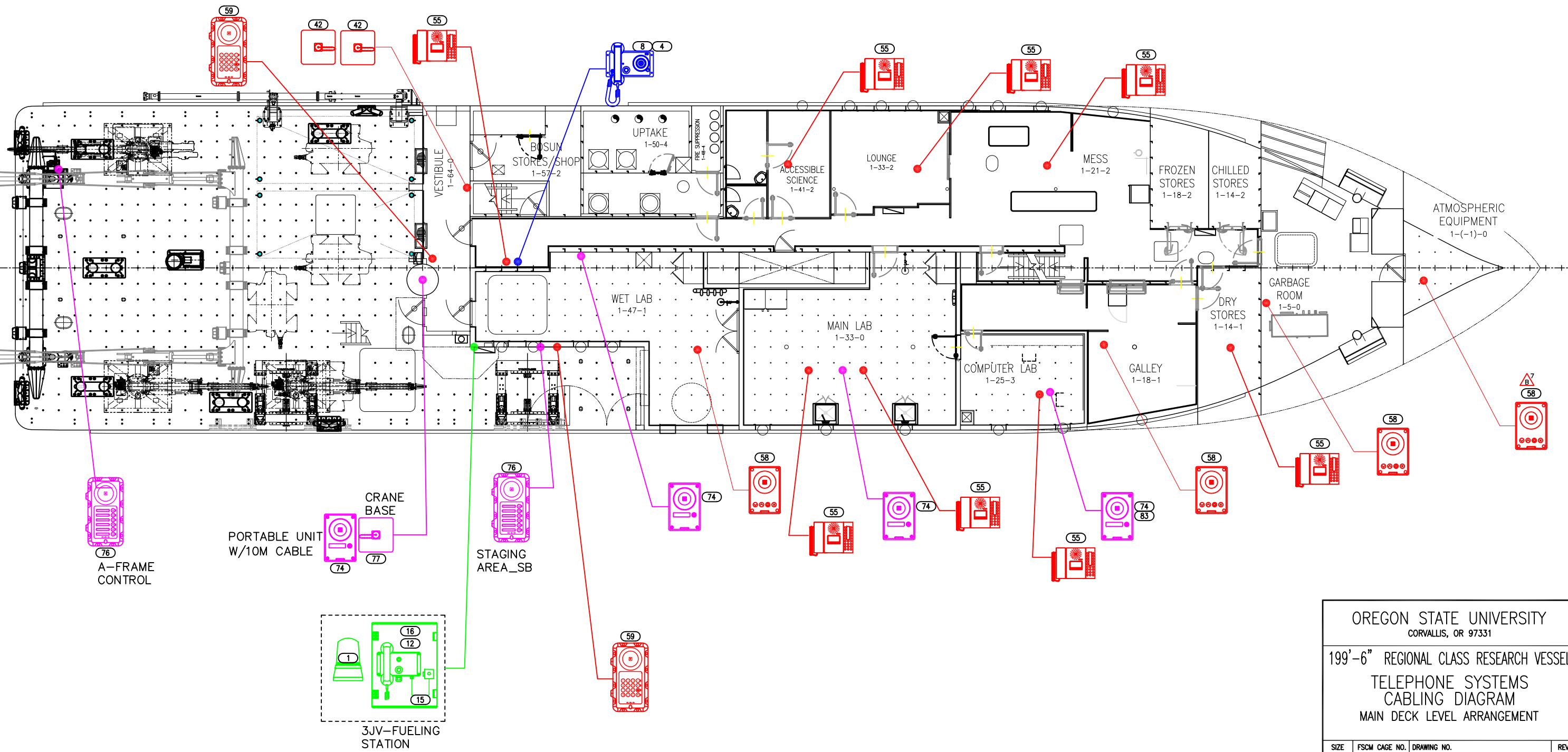
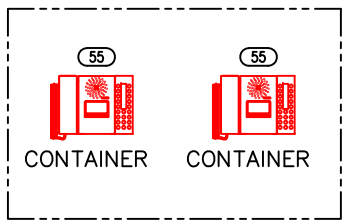
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199'-6" REGIONAL CLASS RESEARCH VESSEL
 TELEPHONE SYSTEMS
 CABLING DIAGRAM
 01 LEVEL ARRANGEMENT

SIZE	FSCM CAGE NO.	DRAWING NO.	REV
D	7UTH5	6096-432-001	B
SCALE:	NONE	HULL# 6096/6097/6098	SHEET 10 OF 12

EQUIPMENT COLOR CODE

BLUE – 1JV EMERGENCY PHONE SYSTEM
 GREEN – 3JV EMERGENCY PHONE SYSTEM
 RED – DIAL TELEPHONE
 PURPLE – INTERCOM SYSTEM

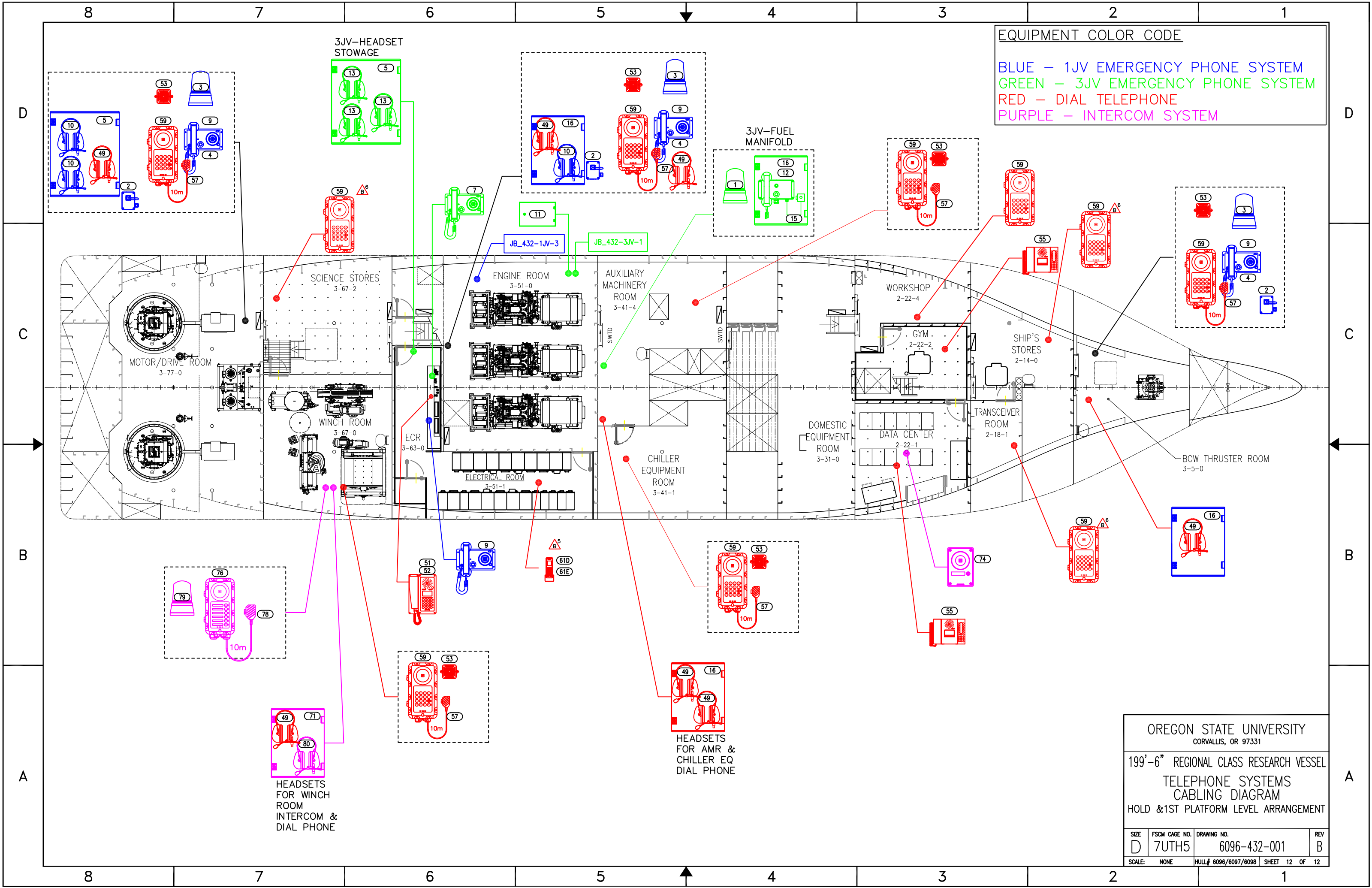


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199'-6" REGIONAL CLASS RESEARCH VESSEL

TELEPHONE SYSTEMS
 CABLING DIAGRAM
 MAIN DECK LEVEL ARRANGEMENT

SIZE D	FSCM CAGE NO. 7UTH5	DRAWING NO. 6096-432-001	REV B
SCALE: NONE	HULL# 6096/6097/6098	SHEET 11 OF 12	



EQUIPMENT COLOR CODE

BLUE – 1JV EMERGENCY PHONE SYSTEM
 GREEN – 3JV EMERGENCY PHONE SYSTEM
 RED – DIAL TELEPHONE
 PURPLE – INTERCOM SYSTEM

3JV-HEADSET STORAGE

3JV-FUEL MANIFOLD

SCIENCE STORES
3-67-2

ENGINE ROOM
3-51-0

AUXILIARY MACHINERY ROOM
3-41-4

WORKSHOP
2-22-4

SHIP'S STORES
2-14-0

BOW THRUSTER ROOM
3-5-0

MOTOR/DRIVE ROOM
3-77-0

WINCH ROOM
3-67-0

ELECTRICAL ROOM
3-51-1

CHILLER EQUIPMENT ROOM
3-41-1

DOMESTIC EQUIPMENT ROOM
3-31-0

DATA CENTER
2-22-1

TRANSCIVER ROOM
2-18-1

HEADSETS FOR WINCH ROOM INTERCOM & DIAL PHONE

HEADSETS FOR AMR & CHILLER EQ DIAL PHONE

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199'-6" REGIONAL CLASS RESEARCH VESSEL

TELEPHONE SYSTEMS CABLING DIAGRAM

HOLD & 1ST PLATFORM LEVEL ARRANGEMENT

SIZE D	FSCM CAGE NO. 7UTH5	DRAWING NO. 6096-432-001	REV B
SCALE: NONE	HULL# 6096/6097/6098	SHEET 12 OF 12	