EM	MACHINE TYPE (NOTE 14, 33)	DESCRIPTION	TAG	LOCATION	NOTES	SYMBOLOGY	I-MD-3010.2Q-5520-800-P4X-001 - AUTOMATION A I-DE-3010.2Q-5517-768-PPT-007 - DATA NETWOR I-ET-3010.00-5520-861-P4X-001 - CONTROL AND I-ET-3010.00-5520-861-P4X-003 - VIRTUALIZATIO I-DE-3010.00-5140-797-P4X-001 - ELECTRICAL SY
1	PHYSICAL & VIRTUAL	TOPSIDES MAIN HMI	PN-5523003	HULL - CCR-OA			DIAGRAM
2	PHYSICAL & VIRTUAL	HULL MAIN HMI	PN-5523503	HULL - CCR-OA		1 GIGABIT ETHERNET (IEEE 802.3ab)	ABBREVIATIONS, ACRON AEPR - AUTOMATION AND ELECTRICAL MR PANELS ROOM NA
3	PHYSICAL & VIRTUAL	FIRE AND GAS HMI	PN-5523004	HULL - CCR-OA	3, 6	MRP/REP OVER 10GBASE ETHERNET (OPTICAL)	CCR-ATR - CENTRAL CONTROL ROOM - PI AUTOMATION TURBOMACHINERY PO ROOM CCR-EA - CENTRAL CONTROL ROOM - REI EQUIPMENT AMBIANCE SO
4	PHYSICAL & VIRTUAL	TOPSIDES SOS HMI	PN-5523002A/E	HULL - CCR-OA	3, 6	MRP/REP OVER 10GBASE ETHERNET (ELECTRICA 1 GIGABIT ETHERNET (OPTICAL)	CSS - CONTROL & SAFETY SYSTEM DMZ - DEMILITARIZED ZONE HMI - HUMAN-MACHINE INTERFACE
5	PHYSICAL & VIRTUAL	HULL SOS HMI	PN-5523502A/E	HULL - CCR-OA	3, 6	A SEE SEE TOIGNOIT ETTILINET (OF HOME)	HMI - HUMAN-MACHINE INTERFACE (IP - INTERNET PROTOCOL (LAN - LOCAL AREA NETWORK (MMS - MACHINERY MONITORING SYSTEM MODA - MODA RISER MONITORING SYSTEM
6	PHYSICAL & VIRTUAL	OPERATORS ROOM SOS HMI	PN-5523007A/B	LABORATORY OPERATOR'S ROOM	3, 26		GENERAL
7A	PHYSICAL & VIRTUAL	AUTOMATION ENGINEERING WORKSTATION	PN-5500001A	HULL - CCR-ATR	3, 6, 30		1 - IN SHEET 2, DUE TO LACK OF SPACE, S OTHER EQUIPMENT SHOWN IN TABLE 1 ROOM/PANEL WHERE THEY ARE ACTU. SHEET 1 FOR WORKSTATION / AUXILIA
7B	PHYSICAL	AUTOMATION ENGINEERING WORKSTATION	PN-5500001B	HULL - CCR-ATR	3, 6, 30	LAYER 2 SWITCH	SHEET 1 FOR WORKSTATION / AUXILIA PLACEMENT. 2 - THIRD PARTY SERVERS SHALL OBTAIN VIA THE CORPORATE FIREWALLS FW-5 THIRD PARTY SERVERS MAY POSSESS
8A	PHYSICAL & VIRTUAL	AUTOMATION MAINTENANCE WORKSTATION	PN-5500005A	HULL - CCR-ATR	3, 6, 30		THIRD PARTY SERVERS MAY POSSESS EQUIPMENT THAT THEY CONTROL. 3 - CONNECTIONS REPRESENTED IN THE WORKSTATIONS SHALL BE CONNECTE
8B	PHYSICAL	AUTOMATION MAINTENANCE WORKSTATION	PN-5500005B	HULL - CCR-ATR	3, 6, 30	LAYER 3 SWITCH	ORDER TO BE REDUNDANTLY CONNECT 4 - TOTAL QUANTITY WILL DEPEND ON TH PACKAGES. FOR FORESEEN TOPSIDES
9	PHYSICAL & VIRTUAL	ASSET MANAGEMENT SYSTEM (AMS) WORKSTATION	PN-5500011	HULL - CCR-ATR	6		I-ET-3010.2Q-1200-800-P4X-014 - AUTON UNITS. 5 - REPRESENTATION OF A TYPICAL CONN NETWORK SWITCH TO THE PACKAGE U
10	PHYSICAL & VIRTUAL	ASSET MANAGEMENT SYSTEM (AMS) WORKSTATION	PN-5500013	HULL INSTRUMENTATION WORKSHOP	6		DEPEND ON THE QUANTITY OF PACKAGE HULL PACKAGES CONSULT I-ET-3010.20 INTERFACE OF PACKAGED UNITS.
11	PHYSICAL & VIRTUAL	REMOTE ACCESS WORKSTATION	PN-5523006A/B	HULL - CCR-OA	3, 8	OR RING MANAGER	6 - THIS MACHINE/SYSTEM SHALL BE ACC INSTALLATIONS, BY COMMUNICATING THE PLACED IN PETROBRAS DMZ. 7 FOR DETAILS ON THE ELECTRICAL SYSTEM SHALL BE ACC
12	PHYSICAL	PACKAGE MAINTENANCE WORKSTATION	PN-5523008A/B	HULL - CCR-ATR	3, 31		7 - FOR DETAILS ON THE ELECTRICAL SYS I-DE-3010.00-5140-797-P4X-001 - ELECTR ARCHITECTURE DIAGRAM. 8 - THESE WORKSTATIONS ARE DEDICATE
13	PHYSICAL	FLOW METERING SYSTEM PANEL	PN-1223001	TOPSIDES - AEPR	6		SCREENS IN ORDER TO REMOTELY OP SUPERVISORY SYSTEM. 9 - A ROUTING REDUNDANCY PROTOCOL ROUTER REDUNDANCY PROTOCOL - O
14	PHYSICAL	MULTIPHASE FLOW METERING SYSTEM PANEL	PN-1223005	TOPSIDES - AEPR	6	SRV SERVER	IMPLEMENTED FOR THIS NETWORK, DU LAYER 3 SWITCHES. 10 - ELECTRICAL LAN SWITCHES, WORKS
15	PHYSICAL & VIRTUAL	FMS REMOTE HMI	PN-1223002	HULL - CCR-OA	6	SRV SERVER	ELECTRICAL SYSTEM ARE PART OF T DISCIPLINE'S SCOPE OF SUPPLY. ALL REPRESENTED IN THIS DRAWING SHA ACCESS (I.E., ACCESS FROM CORPOR HOSTS AT DMZ), WITHOUT FURTHER.
16	PHYSICAL	MMS SERVER PANEL	PN-5500007	TOPSIDES - AEPR	6		11 - CCTV IS TELECOM TECHNICAL DISCIP
17	PHYSICAL	MMS SERVER PANEL	PN-5500014	TOPSIDES - AEPR	6	CLUSTER CLUSTER	62439-2) OR REP. 13 - ALL NETWORKS REPRESENTED ON T CORPORATE LAN, DMZ LAN, AND THIF CONNECTED TO THE TIME SERVERS
18	PHYSICAL	MMS WORKSTATION	PN-5500008	HULL - CCR-ATR			PANEL. TIME SERVERS ALONG WITH AUTOMATION PANEL (PN-5140002) AN THE ELECTRICAL SYSTEM'S SCOPE CI-DE-3010.00-5140-797-P4X-001 - ELECTRICAL SYSTEM'S SCOPE CI-DE-3010.00-5140-797-P4X-001 - ELECTRICAL SYSTEM'S SCOPE CI-DE-3010.00-5140-797-P4X-001 - ELECTRICAL SYSTEM STANDARD S
19	PHYSICAL	MMS WORKSTATION	PN-5500015	HULL - CCR-ATR		REDUNDANT OPC DRI	VERS ARCHITECTURE DIAGRAM). 14 - COMPUTERS MARKED AS PHYSICAL A WITH THEIR OWN OPERATIONAL SYS' COMPUTERS MARKED AS PHYSICAL A
20	PHYSICAL	CORROSION MONITORING SYSTEM PANEL	PN-5500004	TOPSIDES - AEPR		(REDUNDANT OPC SE FOR PI COLLECTOR)	RVERS ACCESS A VIRTUAL IMAGE AT THE CL OTHERWISE ON THEIR NOTES). 15 - REDUNDANT SERVERS EXIST INSIDE
21	PHYSICAL	REMOTE ULLAGE, PRESSURE AND TEMPERATURE MONITORING PANEL	PN-1358501	HULL - CCR-EA		(NOTE 20)	AUTOMATION PANELS. EACH OF THE AUTOMATION PACKAGE UNITS LAN TI 16 - EACH SERVER SHALL HAVE AT LEAST CARDS (NIC) FOR CONNECTING TO DI
22	PHYSICAL & VIRTUAL	STABILITY AND LOAD CALCULATION WORKSTATION	PN-1358503	HULL - CCR-OA	3, 6	REDUNDANT OPC DRI	DISCIPLINE DOCUMENTATION FOR DE
23	PHYSICAL	HULL STRUCTURE HEALTH MONITORING SYSTEM PANEL	PN-1358510	FWD PANELS ROOM		PI REDUNDANT OPC DRI (REDUNDANT OPC SE	NETWORK, SEE I-DE-3010.2Q-5520-800
24	PHYSICAL	SUBSEA INTERFACE PANEL	PN-5524001A/B	TOPSIDES - AEPR	3, 6	FOR PI COLLECTOR)	SWITCHES ON TWO DIFFERENT SWIT AVOIDED. THIS CAN BE DONE BY USIN THAT ALLOWS RSTP PACKETS IN THE USING ENTRY SWITCHES THAT ALLOWATIONAL AND
25	PHYSICAL	TOPSIDE ELECTRICAL SYSTEM AUTOMATION MAINTENANCE WORKSTATION	Z-5140002	TOPSIDES - AEPR	6, 7, 10	(NOTE 20)	PROTOCOL THAT AUTOMATICALLY DI TO CONNECT TO THE MAIN RING, AVO IS ALSO APPLICABLE, BUT NOT LIMITE THAT INTERCONNECT TO THE MAIN A SUBSEA LAN, AND ANY OTHER SYSTE
26	PHYSICAL	TOPSIDE ELECTRICAL SYSTEM AUTOMATION OPERATIONAL WORKSTATION	Z-5140001A/B	Z-5140001B - CCR-OA	6, 7, 10		CONNECTS TO THE MAIN RINGS IN AN METERING SYSTEM. 20 - REDUNDANT OPC DRIVERS (OPC SER
27	PHYSICAL	HULL ELECTRICAL SYSTEM OPERATIONAL WORKSTATION	Z-5140501	Z-5140001A - TOPSIDES - AEPR HULL - ELEC. WORKSHOP	7, 10	PI SERVER (NOTE 20)	TOPSIDES AND HULL SOS REAL TIME TOPSIDES PACKAGE, HCS, HSD, HFG: SPCS SERVERS; TOPSIDES ELECTRIC SERVERS (ELECTRICAL SYSTEM); PRI INFORMATION SENSORS SHALL HAVE
28	PHYSICAL	POWER MANAGEMENT SYSTEM (PMS)	PN-5140001	TOPSIDES - AEPR	7, 10	(INUTE 20)	PUBLISHING DATA TO PI. ADDITIONAL INTERFACES) SHALL BE INSTALLED IN THE DMZ. THESE OPC DRIVERS / PI C DISCRETE AND DIGITAL DATA POINTS (SOS, SUBSEA, ELECTRICAL SYSTEM,
29	PHYSICAL	ELECTRICAL SYSTEM AUTOMATION TIME SERVER A	Z-PN-5140002-03A	TOPSIDES - AEPR	13		FOR FURTHER DETAILS, CONSULT DO I-ET-3010.2Q-1200-850-P4X-001 - SPEC
30	PHYSICAL	ELECTRICAL SYSTEM AUTOMATION TIME SERVER B	Z-PN-5140002-03A	TOPSIDES - AEPR	13	FIREWALL	ELECTRICAL SYSTEM'S SCOPE OF SU POSESS SNTP PORTS BOTH FOR ELE AND FOR AUTOMATION APPLICATION DATA ACQUISITION LAN AND PACKAG TO SNTP PORTS.
31	PHYSICAL	TOPSIDE ELECTRICAL SYSTEM AUTOMATION REAL TIME DATA SERVER	Z-PN-5140002-03B	TOPSIDES - AEPR	7, 10, 15		22 - THE QUANTITIES OF ALL COMPONEN (INCLUDING BUT NOT LIMITED TO SEF CONNECTIONS, NETWORK DEVICES.
32	PHYSICAL	HULL ELECTRICAL SYSTEM AUTOMATION REAL TIME DATA SERVER	Z-PN-5140002-02A/B	HULL - EPR	7, 10, 15		AND SO ON) SHALL BE CONFIRMED D DESIGN. EVENTUAL CHANGES IN THE TOPOLOGY AND CONFIGURATION SH COSTS TO PETROBRAS.
33	PHYSICAL	HULL ELECTRICAL SYSTEM AUTOMATION MAINTENANCE WORKSTATION	Z-F14-3140301-02A/B	HULL - ELEC. WORKSHOP	7, 10, 13	EXTERNAL PHYSICAL	23 - THESE EQUIPMENT ARE AUTOMATION THEY SHALL BE INSTALLED INSIDE PE TELECOM SCOPE OF SUPPLY.
34A	PHYSICAL	TOPSIDE ELETRICAL SYSTEM AUTOMATION DMZ SERVERS	Z-PN-5140002-04A	TOPSIDES - AEPR	7, 10	STAND BY	24 - LAYER 3 SWITCHES IN THE SAME NET TOPOLOGY, IN ORDER TO EASE THEI
34B	PHYSICAL	TOPSIDE ELETRICAL SYSTEM AUTOMATION DMZ SERVERS	Z-PN-5140002-04A	TOPSIDES - AEPR	7, 10	STAND-BY	
35	CANCELED	CANCELED	CANCELED	CANCELED	}		
36	PHYSICAL	RACK FOR ENVIRONMENT MONITORING SYSTEM	PN-5521501	HULL - TELECOM PANELS ROOM			
36	PHYSICAL	POSITIONING SYSTEM FOR OFFSET DIAGRAM PANEL	PN-5521501 PN-5537502	HULL - TELECOM PANELS ROOM HULL - TELECOM PANELS ROOM			
38	CANCELED	CANCELED	CANCELED	CANCELED	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		
JU	UAINUELEU	CAINCELED	PN-5529001	OAINOELED			
39	PHYSICAL	MODA PANEL	PN-5529002 PN-5529003	TOPSIDES - AEPR	3, 6		
40	PHYSICAL	RACK FOR CCTV SYSTEM	CTV-5514501	HULL - TELECOM CCR	11		
41	PHYSICAL	CORPORATE FIREWALL	FW-5517501	TELECOM ROOM			
42	PHYSICAL	CORPORATE FIREWALL	FW-5517502	TELECOM ROOM			A REVISED WHERE INDICATED Ø ORIGINAL REV. DESCRIPTION
43	PHYSICAL	PETROBRAS DMZ SWITCH A	SW-5517504	TELECOM ROOM			ACCORDING TO DI-1PBR-00337, INFORMATION IN THIS DOCUM BEING PROHIBITED OUTSIDE OF THEIR PURPOSE. FORM OWNED TO PETROBRAS N-381 REV. M
14	PHYSICAL	PETROBRAS DMZ SWITCH B	SW-5517505	TELECOM ROOM			
A/B	PHYSICAL	NAV SENSOR	_	TOPSIDES - AEPR & CCR-EA			BR PETROBRAS
		BLE 1 - WORSTATIONS, PANELS, AND OTHER AU	JTOMATION AI			A	CLIENT: MARLIM LES
	1 / \L						BASIC DESIG AREA: MARLIM LES
							TITLE: NETWORK INTERCON



