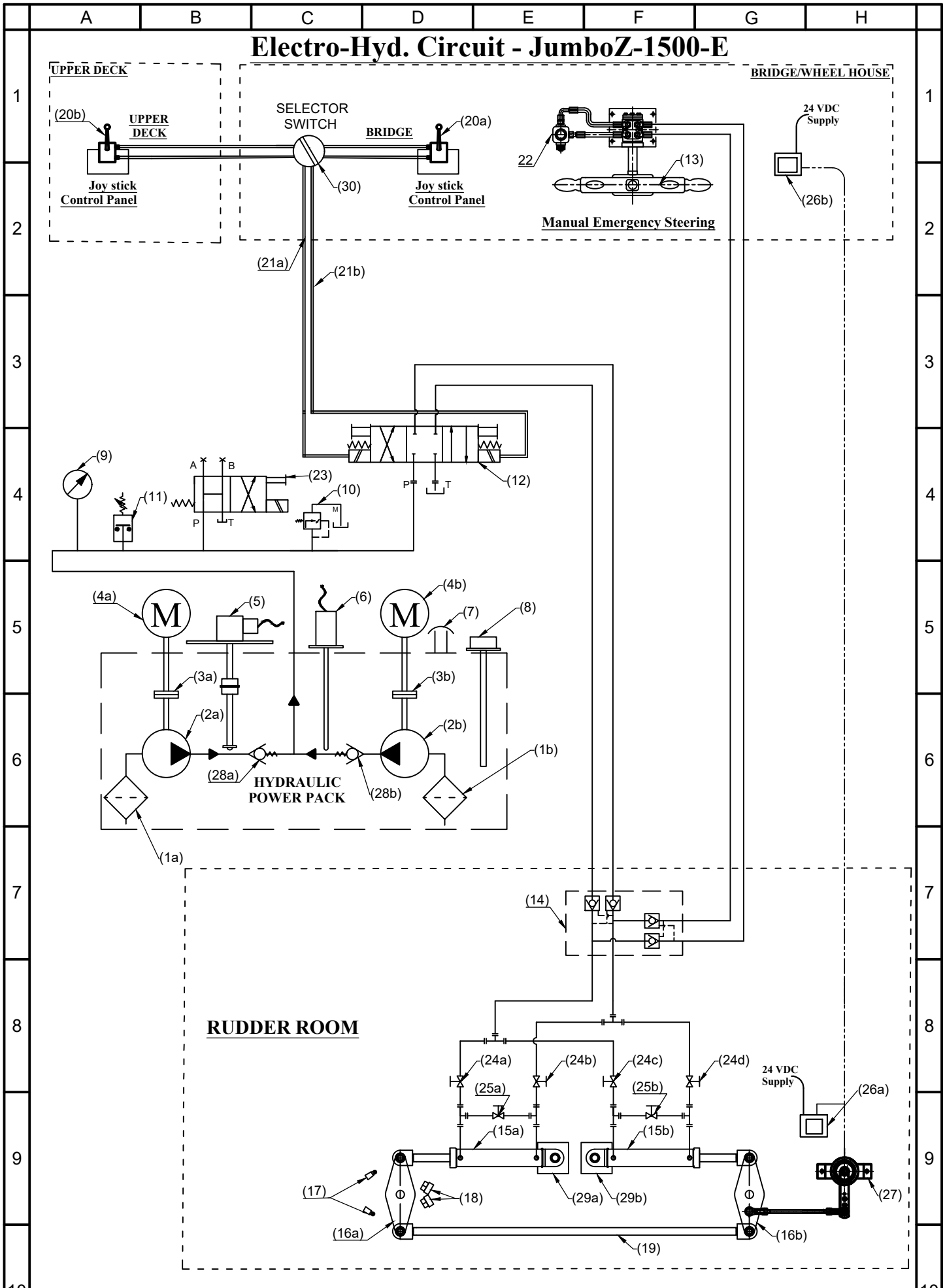



Electro-Hyd. Circuit - JumboZ-1500-E



	MAC ♦ N ♦ HOM SYSTEMS KOCHI - 20	DESIGNATION Electro-Hydro. Circuit JumboZ-1500E Joystick-Twin Motor	DRW. By SRH	DWG. No. MHS-1883 (Page 1 of 2)	DATE 18-03-2024		
A	B	C	D	E	F	G	H

ELECTRO-HYDRAULIC CIRCUIT SYSTEM PARAMETERS

1) Pump Capacity:

Discharge : 12 lpm
Max. Pressure : 200 kg/cm²

2) Hydraulic Cylinder

Operating Pressure : 70 kg/cm²
Relief Valve Set Pressure : 87.5 kg/cm²

3) Helm Steering Wheel

Diameter : 686 mm (27")

4) Hydraulic Cylinder

Model : JumboZ-1500
Stroke : 440 mm
Ram : 45 mm x 2

5) Hydraulic Hose:

Grade : R1
I.D : 1/2"

6) Electric Motor

5 HP, 50 Hz, 1440 rpm, 3Phase

7) Emergency Helm Pump

Discharge : 100 cc/rev

8) Seamless Steel Tube

Material : Carbon Steel,
Cold Drawn, Normalised
& Pickled Tube

Specification : EN 10305-4
Diameter : 16 mm
Thickness : 2 mm

SI No.	Description
1a,1b.	Suction Strainer
2a,2b.	Hydraulic Pump
3a,3b.	Flexible Coupling
4a,4b.	Electric Motor
5	Oil Level Sensor
6	Oil Temp. Sensor
7	Filler Breather
8	Dip Stick
9	Pressure Gauge
10	Pr.Relief Valve
11	Pre.Switch.Low Pre.Alam
12	Sol.Ope.Directiona Valve
13	Emergency Steering
14	Pilot Operated Double Check Valve
15a,15b	Hyd. Actuator - JumboZ 1500
16a,16b	Tiller Arm
17	Limit Switch
18	Mechanical Stopper (Yard Supply)
19	Connection Rod(Yard Supply)
20a,20b	Joystick Control Panel
21a,21b	Ele.Line to Sol.Ope.Valve
22	Reservoir
23	Unloading Valve
24a,24b	Isolation Valve
24c,24d	
25a,25b	By-Pass Valve
26a,26b	Rudder Angle Indicator
27	Rudder Angle Sensor
28a,28b	Non-Return Valve
29a,29b	Rear End Bracket
30	Selector Switch



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KOCHI - 20

DESIGNATION
Electro-Hydro. Circuit JumboZ-1500E
-Joystick-Twin Motor

DWG. No.
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