LNG/C GOLAR MAZO

CARGO PIPING ARRANGEMENT

Drawing Designed by Javi Alvarez - 2030-2304

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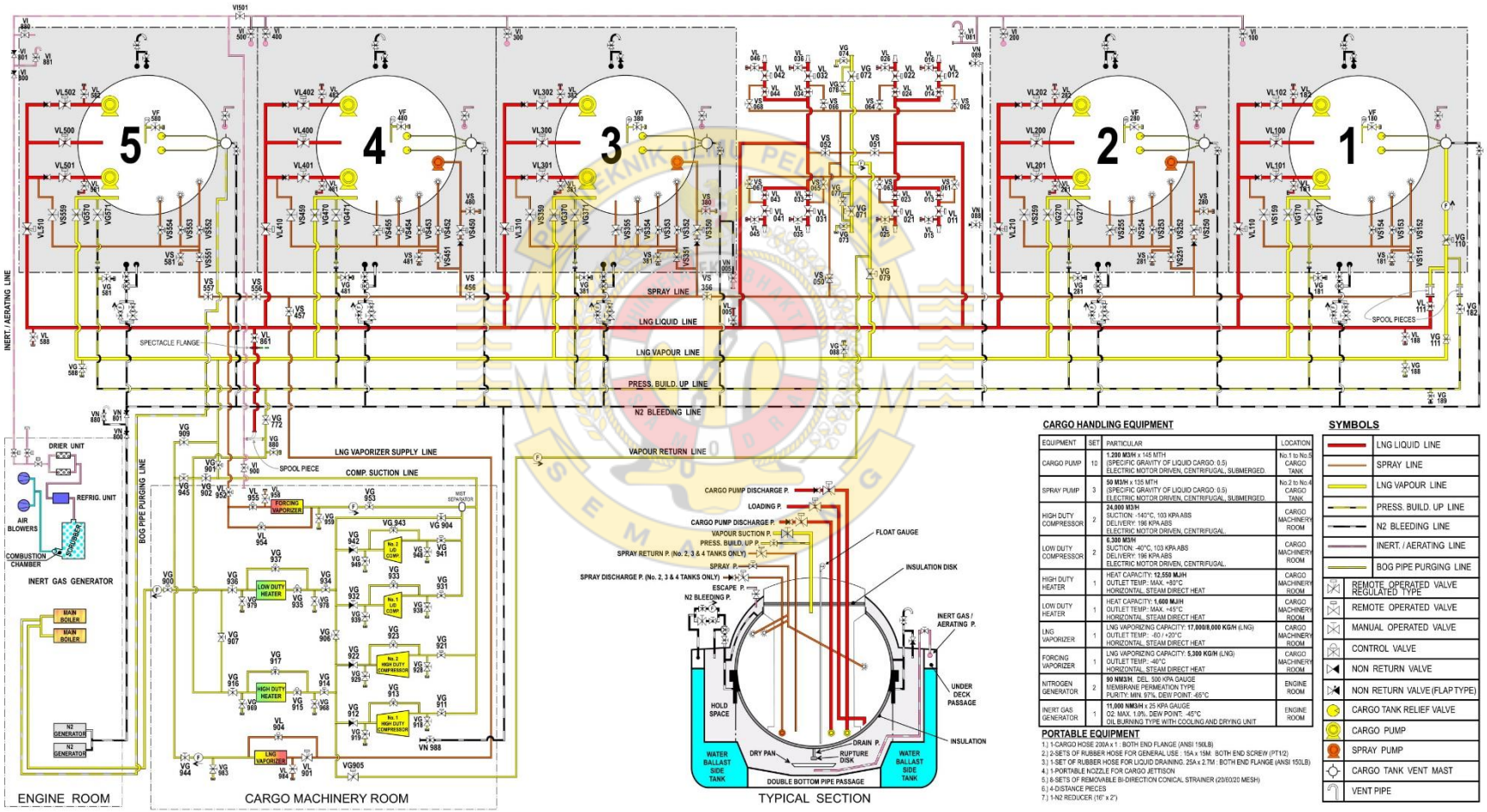

CARGO HANDLING EQUIPMENT

EQUIPMENT	SET	PARTICULAR	LOCATION
CARGO PUMP	10	**1,200 M3/H** x 145 MTH (SPECIFIC GRAVITY OF LIQUID CARGO: 0.5) ELECTRIC MOTOR DRIVEN, CENTRIFUGAL, SUBMERGED.	No.1 to No.5 CARGO TANK
SPRAY PUMP	3	**50 M3/H** x 135 MTH (SPECIFIC GRAVITY OF LIQUID CARGO: 0.5) ELECTRIC MOTOR DRIVEN, CENTRIFUGAL, SUBMERGED.	No.2 to No.4 CARGO TANK
HIGH DUTY COMPRESSOR	2	**24,000 M3/H** SUCTION: -140°C, 103 KPA ABS DELIVERY: 196 KPA ABS ELECTRIC MOTOR DRIVEN, CENTRIFUGAL.	CARGO MACHINERY ROOM
LOW DUTY COMPRESSOR	2	**6,300 M3/H** SUCTION: -40°C, 103 KPA ABS DELIVERY: 196 KPA ABS ELECTRIC MOTOR DRIVEN, CENTRIFUGAL.	CARGO MACHINERY ROOM
HIGH DUTY HEATER	1	HEAT CAPACITY: **12,550 MJ/H** OUTLET TEMP.: MAX. +93°C HORIZONTAL, STEAM DIRECT HEAT	CARGO MACHINERY ROOM
LOW DUTY HEATER	1	HEAT CAPACITY: **1,600 MJ/H** OUTLET TEMP.: MAX. +45°C HORIZONTAL, STEAM DIRECT HEAT	CARGO MACHINERY ROOM
LNG VAPORIZER	1	LNG VAPORIZING CAPACITY: **17,000/8,000 KG/H** (LNG) OUTLET TEMP.: -60 / +20°C HORIZONTAL, STEAM DIRECT HEAT	CARGO MACHINERY ROOM
FORCING VAPORIZER	1	LNG VAPORIZING CAPACITY: **5,300 KG/H** (LNG) OUTLET TEMP.: -60°C HORIZONTAL, STEAM DIRECT HEAT	CARGO MACHINERY ROOM
NITROGEN GENERATOR	2	**90 NM3/H**, DEL. 500 KPA GAUGE MEMBRANE PERMEATION TYPE PURITY: MIN. 97%, DEW POINT: -65°C	ENGINE ROOM
INERT GAS GENERATOR	1	**11,000 NM3/H** x 25 KPA GAUGE O2: MAX. 1.0%, DEW POINT: -45°C OIL BURNING TYPE WITH COOLING AND DRYING UNIT	ENGINE ROOM

PORTABLE EQUIPMENT

1.) 1-CARGO HOSE 200A x 1 : BOTH END FLANGE (ANSI 150LB)
2.) 2-SETS OF RUBBER HOSE FOR GENERAL USE : 154 x 19M : BOTH END SCREW (PT1/2)
3.) 1-SET OF RUBBER HOSE FOR LIQUID DRAINING. 25A x 2.7M : BOTH END FLANGE (ANSI 150LB)
4.) 1-PORTABLE NOZZLE FOR CARGO JETTISON
5.) 8-SETS OF REMOVABLE BI-DIRECTION CONICAL STRAINER (20/60/20 MESH)
6.) 4-DISTANCE PIECES
7.) 1-N2 REDUCER (16" x 2")

SYMBOLS

	LNG LIQUID LINE
	SPRAY LINE
	LNG VAPOUR LINE
	PRESS. BUILD. UP LINE
	N2 BLEEDING LINE
	INERT. / AERATING LINE
	BOG PIPE PURGING LINE
	REMOTE OPERATED VALVE REGULATED TYPE
	REMOTE OPERATED VALVE
	MANUAL OPERATED VALVE
	CONTROL VALVE
	NON RETURN VALVE
	NON RETURN VALVE (FLAP TYPE)
	CARGO TANK RELIEF VALVE
	CARGO PUMP
	SPRAY PUMP
	CARGO TANK VENT MAST
	VENT PIPE