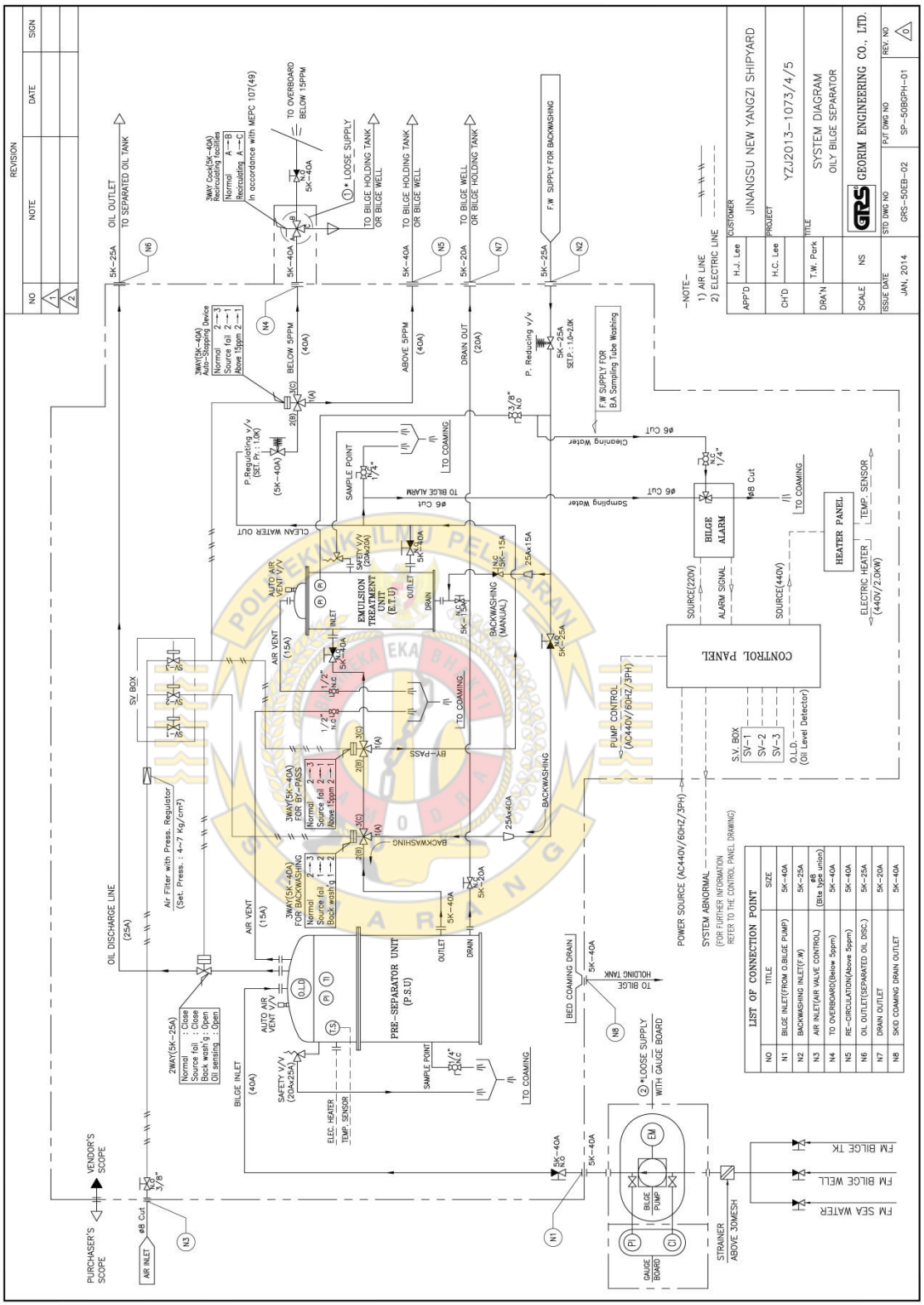
REVISION
NO
NOTE
DATE
SIGN
OIL OUTLET
TO SEPARATED OIL TANK
TO OVERBOARD
BELOW 15PPM
LOOSE SUPPLY
TO BILGE HOLDING TANK
OR BILGE WELL
F.W SUPPLY FOR BACKWASHING
-NOTE-
1) AIR LINE
2) ELECTRIC LINE
CUSTOMER
JINANGSU NEW YANGZI SHIPYARD
PROJECT
YZJ2013-1073/4/5
TITLE
SYSTEM DIAGRAM
OILY BILGE SEPARATOR
GEORIM ENGINEERING CO., LTD.
STD DWG NO
GRS-50EB-02
PJT DWG NO
SP-50BGPH-01
REV. NO
0
ISSUE DATE
JAN, 2014
SCALE
NS
APP'D
H.J. Lee
CH'D
H.C. Lee
DRA'N
T.W. Park
OIL DISCHARGE LINE
(25A)
Air Filter with Press. Regulator
(Set. Press. : 4~7 Kg/cm²)
2WAY(5K-25A)
Normal : Close
Source fail : Close
Bock wash'g : Open
Oil sensing : Open
BILGE INLET
(40A)
AIR VENT
(15A)
AUTO AIR VENT V/V
SAFETY V/V
(20Ax25A)
ELEC. HEATER
TEMP. SENSOR
PRE-SEPARATOR UNIT
(P.S.U)
OUTLET
DRAIN
SAMPLE POINT
TO COAMING
BED COAMING DRAIN
TO BILGE HOLDING TANK
LOOSE SUPPLY
WITH GAUGE BOARD
SV BOX
3WAY(5K-40A)
FOR BACKWASHING
3WAY(5K-40A)
FOR BY-PASS
BY-PASS
BACKWASHING
BACKWASHING (MANUAL)
EMULSION TREATMENT UNIT (E.T.U)
AUTO AIR VENT V/V
SAFETY V/V
(20Ax20A)
P.Regulating v/v
(SET. Pr. : 1.0K)
(5K-40A)
3WAY(5K-40A)
Automatic Sampling Device
Normal 2 — 3
Source fail 2 — 1
Above 15ppm 2 — 1
BELOW 5PPM
(40A)
ABOVE 5PPM
(40A)
DRAIN OUT
(20A)
P. Reducing v/v
5K-25A
SET P. : 10~20K
F.W SUPPLY FOR
B.A Sampling Tube Washing
Cleaning Water
Sampling Water
CLEAN WATER OUT
TO BILGE ALARM
BILGE ALARM
HEATER PANEL
TEMP. SENSOR
ELECTRIC HEATER
(440V/2.0KW)
CONTROL PANEL
SOURCE(220V)
ALARM SIGNAL
SOURCE(440V)
PUMP CONTROL
(AC440V/60HZ/3PH)
S.V. BOX
SV-1
SV-2
SV-3
O.L.D.
(Oil Level Detector)
POWER SOURCE (AC440V/60HZ/3PH)
SYSTEM ABNORMAL
(FOR FURTHER INFORMATION
REFER TO THE CONTROL PANEL DRAWING)
LIST OF CONNECTION POINT
NO
TITLE
SIZE
N1 BILGE INLET(FROM O.BILGE PUMP) 5K-40A
N2 BACKWASHING INLET(F.W) 5K-25A
N3 AIR INLET(AIR VALVE CONTROL) (Bite type union)
N4 TO OVERBOARD(Below 5ppm) 5K-40A
N5 RE-CIRCULATION(Above 5ppm) 5K-40A
N6 OIL OUTLET(SEPARATED OIL DISC.) 5K-25A
N7 DRAIN OUTLET 5K-20A
N8 SKID COAMING DRAIN OUTLET 5K-40A
VENDOR'S SCOPE
PURCHASER'S SCOPE
AIR INLET
ø8 Cut
3/8"
BILGE PUMP
GAUGE BOARD
STRAINER
ABOVE 30MESH
FM BILGE TK
FM BILGE WELL
FM SEA WATER