

DESALTING WATER  
PUMPS  
0-P13A AND 110-P13B  
(FOR AUXILIARY PUMP SEE  
PAGE 16-2131-24)

1600mm O.D. x 4000mm  
DESALTING WATER  
SURE DRUM  
110-V4

DELASTED REDUCED  
CRUDE/HVGO  
EXCHANGER  
INSULATED  
110-E2 (6 SHELLS,  
(TUBE SIDE FLOWING  
MUST BE SYMMETRICAL),

DESALTED REDUCED  
CRUDE/ VACUUM BOTTOM  
EXCHANGER  
INSULATED  
110-E3 (8 SHELLS)  
(SHELL SIDE PIPING  
MUST BE SYMMETRICAL)

STACK  
110-CA-5

INDUCED DRA  
FAN  
110-C-51

COMBUSTION &  
PREHEAT SYST  
110-BC51

FORCED DRAFT FAN  
110-C52A/B


COMBUSTION AIR  
INTAKE

NOTES :

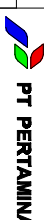
1. FOR SYNOLOGY AND ABBREVIATIONS REFER TO SPEC. HS-1001-1
2. FOR INSTRUMENT LOOP CONFIGURATION REFER TO LOOP DIAGRAMS No. 2191-470
3. THIS UNIT AND ALL STREAMS LEAVING CAN CONTAIN HYDROGEN SULFIDE. CARE MUST BE PREHEATED WHEN OPENING LINES AND EQUIPMENT
4. BLANK-OFF WHEN PREHEATER IS IN USE, DO NOT WASH WHILE OPERATING

[illegible]

110-B051	COMBUSTION AIR PREHEAT SYSTEM
110-C51	INDUCED DRAFT FAN
110-C451	STACK
110-C52A/B	FORCED DRAFT FAN
110-E2	DISALTED REDUCED CRUDE/HWGO EXCHANGERS (6 SHELLS)
110-E3	DISALTED REDUCED CRUDE/VACUUM BOTTOMS EXCHANGERS (8 SHELLS)
110-P13A/B	DESALTING WATER PUMPS
110-Y4	DESALTING WATER SUCTION DRAIN

DIREKSI OMBUD TANGKAL	DIREKSI OMBUD : DIKAM : 31-03-2011	DIREKTUR : PROJECT ENGINEERING SECTION HEAD SERIE PATILIA RUDHENS	
--------------------------	--	---	---

**PIPING AND INSTRUMENT DIAGRAM  
VACUUM DISTILLATION UNIT  
VACUUM HEATER SECTION (SHEET 3)**




**Ganeshatama Consulting**

**DWG No.:**

**A00-2191-5C**

[illegible]

NTS	A.0	2411	6
SKALA	UKURAN	GBR NO	REVISI
DWG No : <b>A0-2191-5C</b>			
 <b>Gareshatama Consulting</b>			