



GENERAL NOTES:

NOTES:

- CUPRION SYSTEM FOR MARINE GROWTH PREVENTION ELECTRODE WILL BE INSTALLED AT PUMP SUTION.
- TOP OF LOOP TO BE MINIMUM 2 METER ABOVE CONTROL VALVE TO PREVENT CONTROL VALVE CAVITATION.
- ELECTRODE WILL BE SUPPLIED BY CUPRION SYSTEM VENDOR (SHIPPED LOOSEED).
- PROVISION FOR BIOCIDIE INJECTION.
- BOTTOM OF CAISSON TO BE PROVIDED WITH COARSE STRAINER TO PREVENT ENTRY OF LARGE OBJECTS.
- PURPOSE OF THIS PCV IS TO MAINTAIN PRESSURE IN THE FIREWATER RING MAIN TO ABOVE SET PRESSURE OF FIREWATER PUMP.
- SERVICE WATER STRAINER IS TO REMOVE COARSE SOLIDS PRIOR TO SENDING TO USERS.
- BIRD SCREEN SHALL BE INSTALLED. WEEP HOLE SHALL BE PROVIDED AT LOW POINT.
- FOR PRIMARY START-UP.
- DISSIMILAR TYPE.
- STANDBY SEAWATER LIFT PUMP SHALL AUTO-START ON DETECTION OF LOW PRESSURE IN THE FIRE WATER RING MAIN.

HOLDS:

- CAISSON SIZE TO BE CONFIRMED.
- OPTIONAL TO USE PRESSURE REGULATOR SHALL BE REVIEWED WITH NFPA REQUIREMENT.
- DELETED.
- CONTROL VALVE SIZE.
- DELETED.

VALVE NUMBER
USED ON
THIS DRAWING
35030-35054

REFERENCE DRAWING:

NO.	DATE	REVISION	DRAWN	CHKD	ENG	APPD
H01	14/03/18	ISSUED FOR DESIGN	PBU	NAK	WEK	THS
F02	02/02/18	ISSUED POST-HAZOP	PBU	NAK	WEK	THS
F01	17/11/17	ISSUED FOR HAZOP	PBU	NAK	WEK	THS
E01	09/10/17	ISSUED FOR COMPANY REVIEW	PBU	NAK	WEK	THS
D01	22/09/17	ISSUED FOR IDC	PBU	NAK	WEK	THS

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PROJECT:	UBON PROJECT	PLATFORM:	UBCPP
TITLE:	PIPING AND INSTRUMENTATION DIAGRAM SEAWATER LIFT PUMP (P-6135)	REVISION:	H01
SCALE:	NTS	DRAWING No:	UBO-UBPG-PRO-PID-WPT-0000-00350-02