



GENERAL NOTES:

NOTES:

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

HOLDS:

1. CAISSON SIZE TO BE CONFIRMED.
2. OPTIONAL TO USE PRESSURE REGULATOR SHALL BE REVIEWED WITH NFPA REQUIREMENT.
3. DELETED
4. DELETED
5. DELETED

VALVE NUMBER
USED ON
THIS DRAWING
35001-35025

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-6130)	REVISION:	H01
SCALE:	NTS	DRAWING No:	UBO-UBPG-PRO-PID-WPT-0000-00350-01