



**GENERAL NOTES:**

1. FOR SYMBOLS, TYPICALS, REFER TO LEGEND P&ID.  
UBO-UBPG-PRO-LGN-WPT-0000-00002-01 TO UBO-UBPG-PRO-LGN-WPT-0000-00002-20

- NOTES:**
- THE QUANTITY OF SPRINKLER NOZZLES SHOWN ARE REPRESENTATIVE ONLY.
  - SPRINKLER HEAD (NO BULB) FOR FLOW TEST.
  - SPRINKLER RING MAIN PRESSURE LOW LOW WILL OPEN DELUGE VALVE DV-5865 AND START THE MAIN FIRE WATER PUMP.
  - PRESSURE VESSEL PRESSURISED BY UTILITY AIR VESSEL IS DESIGNED IS PER NEPA 13.
  - FRESH WATER VESSEL TO BE LOCATED AT CELLAR DECK LEVEL UTILITY AREA.
  - THIS REMOVAL SPOOL WILL BE HOOKED-UP DURING FILLING OF POTABLE WATER IN THE WET SYSTEM REMOVABLE SPOOL TO BE REMOVED BEFORE PRESSURIZING THE VESSEL UTILITY AIR.
  - BLIND FLANGES TO BE INSTALLED WHEN REMOVABLE SPOOL IS NOT IN USE.
  - ALL DELUGE VALVE ACCESSORIES SHALL BE PANEL MOUNTED ATTACHED TO DELUGE VALVE BODY.
  - LAL-5870 FOR ALARM INITIATION AND LALL-5870 IS TO INITIATE CLOSURE OF SDV-5870.
  - DISSIMILAR TYPE CHECK VALVES.
  - PROVIDE 13 mm WEEP HOLE AT LOW POINT.
  - FLUSHING CONNECTION WITH QUICK COUPLING.
  - MAXIMUM WATER FILL LEVEL SHALL BE INDICATED ON THE VESSEL TO AVOID OVER FILLING DURING MANUAL OPERATION.
  - VANE TYPE FLOW SWITCH.
  - SOLENOID VALVE IS ENERGISED TO OPEN.

- HOLDS:**
- RO BORE SIZE PENDING VENDOR DATA.
  - DELETED.
  - PSV SIZING & SET POINT.

REFERENCE DRAWING:				Chevron CHEVRON THAILAND EXPLORATION AND PRODUCTION				WorleyParsons resources & energy				PROJECT: UBON PROJECT		PLATFORM: UBCPP	
F02 05/02/18 ISSUED POST-HAZOP				WCT	GJ	NTS	THS	TITLE: PIPING AND INSTRUMENTATION DIAGRAM SPRINKLER DISTRIBUTION BUILDINGS DV-5865				SCALE: NTS		DRAWING No: UBO-UBPG-PRO-PID-WPT-0000-00510-01	
F01 29/11/17 ISSUED FOR HAZOP				WCT	GJ	NTS	THS	REVISION:				H01			
E01 11/10/17 ISSUED FOR COMPANY REVIEW				WCT	GJ	NTS	THS								
D01 02/10/17 ISSUED FOR IDC				WCT	GJ	NTS	THS								
NO DATE REVISION				DRAWN	CHKD	ENG	APPD	THE ORIGINAL AND ALL COPIES OF THIS DRAWING, INCLUDING ALL INFORMATION ON THIS DRAWING, ARE SOLE PROPERTY OF CHEVRON THAILAND							