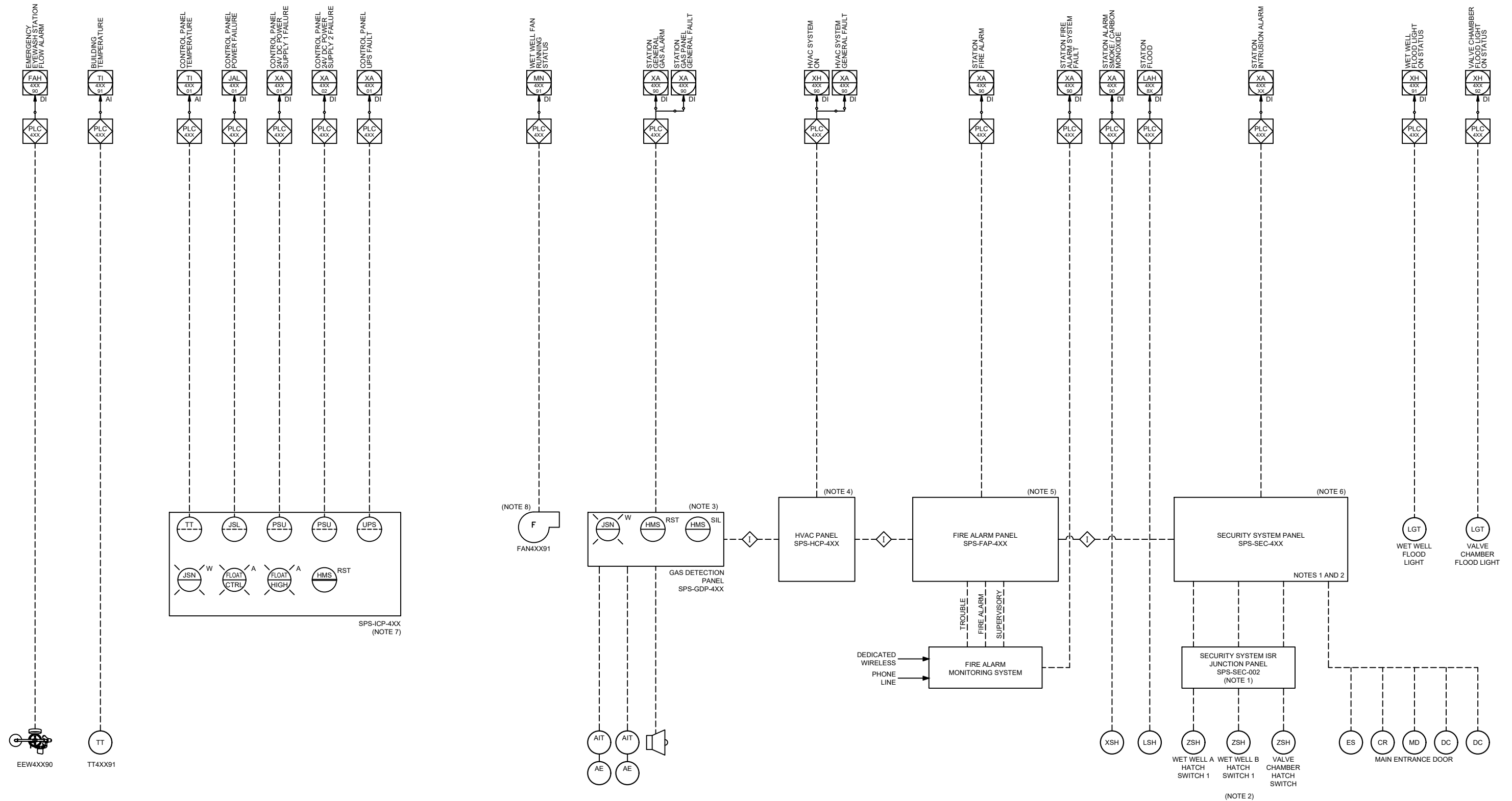


PLC/SCADA

FIELD



NOTES:

1. WIRING FROM HATCH SWITCHES, DOOR CONTACTS AND OTHER SECURITY SYSTEM COMPONENTS INSTALLED IN HAZARDOUS AREAS SHALL PASS THROUGH INTRINSICALLY SAFE RELAY (ISR), PANEL/JUNCTION BOX DEDICATED TO SECURITY SYSTEM. ALL ISRs MUST BE POWERED FROM UPS LOCATED IN THE PLC PANEL.
2. QUANTITY OF SECURITY SYSTEM COMPONENTS TO BE UPDATED TO SUIT THE LAYOUT AND REQUIREMENTS OF THE SITE.
3. GAS DETECTION SYSTEM IS NOT REQUIRED FOR ALL SEWAGE PUMPING STATIONS; REFER TO DETAILS; WHEN REQUIRED, DESIGNER IS RESPONSIBLE TO DESIGN GAS SENSORS BASED ON SPECIFIC SITE REQUIREMENT AND LAYOUT; IF SAMPLING LINES/PUMPS ARE USED, FAILURE OF SAMPLING PUMP MUST BE MONITORED BY GAS DETECTION PANEL.
4. HVAC SYSTEM IS NOT REQUIRED FOR ALL STATION TYPES; ADJUST BASED ON SITE REQUIREMENT. THE PANEL MUST BE LABELED AS BAS WHEN A BUILDING AUTOMATION SYSTEM IS USED.
5. FIRE ALARM SYSTEM IS TO BE INCLUDED IF REQUIRED BY BUILDING CODE; WHEN FIRE ALARM IS INSTALLED INTERLOCKS BETWEEN HVAC CONTROL AND SECURITY SYSTEM WILL BE REQUIRED TO STOP AIR FLOW IN THE BUILDING AND UNLOCK SECURITY SYSTEM FOR FIREFIGHTERS ACCESS TO THE BUILDING.
6. DESIGN OF SECURITY SYSTEM IS TO COMPLY WITH REGION'S SECURITY SYSTEMS STANDARDS.
7. REFER TO PAIDS FOR PLC PANEL DESIGN REQUIREMENTS; UPS IN PLC PANEL IS TO FEED ALL INSTRUMENTS, FLOAT CONTROL PANEL, ISR PANELS AND SECURITY SYSTEM.
8. WET WELL FAN MONITORING IS REQUIRED FOR TYPE II AND IV STATIONS; WET WELL SWITCH SHALL ALSO ACTIVATE THE WET WELL FAN.

<p>Region of Peel working with you</p>	<p>PUBLIC WORKS STANDARD DRAWING</p>		<p>REV. DATE: JULY 2021</p>	
	<p>BUILDING SERVICES P&ID</p>		<p>APPROVED BY MM</p>	<p>DRAWN BY ERAMOSA</p>
			<p>STD. DWG. NUMBER SPS-308</p>	<p>SCALE Not to Scale</p>