

PRESSURE SYSTEM PROJECT COVER SHEET						FORM PS-1	
GENERAL							
Pressure System Number: PS-PHY-17-006							
Pressure System Name: Hall D DIRC Optical Box Water System							
P&ID Number: D000000108-5000							
Overall Installation/Assembly Drawing Number: D00000-01-08-1050							
Design Authority: Tim Whitlatch							
System Owner: Tim Whitlatch							
APPLICABLE CODES (Add Code Edition to all that apply)							
ASME BPVC VIII Div1	ASME BPVC VIII Div2	ASME B31.1	ASME B31.3	ASME B31.5	ASME B31.9	ASME B31.12	Other (Specify)
							N/A
<p>Are there pressure components with no directly applicable Codes? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>(If YES then these components require a Peer Review) Briefly describe and list ASME Code and Edition most applicable: Generally, ASME B31.3 will be used as consideration for the design. No peer review is required due to the low stored energy.</p>							
SYSTEM PARAMETERS							
Fluid: Deionized Water		Fluid Service: D		Design Temperature: 70°F		Design Pressure: 50 psi	
Pressure Vessel Numbers (ASME and Excluded): Bldg # - PS#- Seq#				Stored Energy: 46 ft-lbs			
N/A							
<p>The system will normally operate under 15psi. Maximum dead head pressure of the pump is less than 40 psi. The water storage tank and optical boxes are relieved at 1psi. All components will be rated for 50psi minimum except for the optical box and storage tank. All components are required to be Deionized water compatible. Due to the low stored energy, full documentation of the system components and analysis is not required.</p>							