CHECKLIST FOR FIRE PROTECTION PLAN (WET RISER SYSTEM)

Project Title:	**Project No.**
	Date:

Standard Requirements	**Applicable**		**Not Applicable**
	Complied With	**Not Complied With/Waiver Sought**	
(1) The proposed wet riser system has been designed in accordance with the provisions of CP 29 : 1984.			
(2) Schematic diagram is included in the drawings and complete with:			
(a) Each storey level.			
(b) System zone height.			
(c) Relative location of water tanks, pumps and pipe network.			
(d) PUB incoming pipe immediately after the water meter to the water tank.			
(e) Breching inlets and their line connection to the wet riser system.			
(f) Sizes of pipe network.			
(g) Flow rate and pressure of each fire pump.			
(h) Effective capacity of each water tank.			
(3) Calculation for the following to be attached.			
(a) Pumped system hydraulic calculation			
(b) Water tank capacity			

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Name & Signature of Project Manager

CHECKLIST FOR FIRE PROTECTION PLAN (WET RISER SYSTEM) (CONT'D)

Project Title:	**Project No.**
	Date:

Standard Requirements	**Applicable**		**Not Applicable**
	Complied With	**Not Complied With/Waiver Sought**	
(4) Following endorsements are provided on the schematic diagram:			
(a) Each pump is indicated to be either electric or diesel driven.			
(b) Each electric pump is shown to be provided with emergency generator power supply.			
(5) Plans are complete with:			
(a) Pipe sizes.			
(b) Layout run of PUB incoming line from the water meter to the water tank. To be fire rated when running outside protected area.			
(c) Layout run of breeching inlet line to the system. To be fire rated when not running in protected area.			
(d) Location of pipe risers/downcomers of the pipe network.			
(e) Location of each water tank and pump.			
(f) Location of each landing valve.			
(g) Sufficient clearance from landing valve to shaft			

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Name & Signature of Project Manager

CHECKLIST FOR FIRE PROTECTION PLAN (WET RISER SYSTEM) (CONT'D)

Project Title:	**Project No.**
	Date:

Standard Requirements	**Applicable**		**Not Applicable**
	Complied With	**Not Complied With/Waiver Sought**	
(6) Each water tank is complete with:			
(a) 2 compartments			
(b) Refill inlets into 2 compartments			
(c) Water level indicator for each compartments			
(d) Ladder			
(e) Overflow and drainage facilities for discharge out of the tank room.			
(f) Maintenance access manhole for each compartment.			
(7) All fire pumps are accommodated in well ventilated pumps room.			
(8) All landing valves and wet riser pipes are confined within protected lobbies or protected corridors/shaft. Fire rated board cladding is not allowed.			
(9) Wet riser pipes are not traversing occupancy areas.			
(10) Wet riser pipes are not traversing high risk areas.			
(11) Landing valve with pressure reducing device shall be UL listed type.			
(12) NPSH calculation to be provided for pump under suction lift condition (in the case of underground storage tank).			

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Name & Signature of Project Manager