



Post Fukushima Safety Assessment and upgradation of RML hot cell facility.

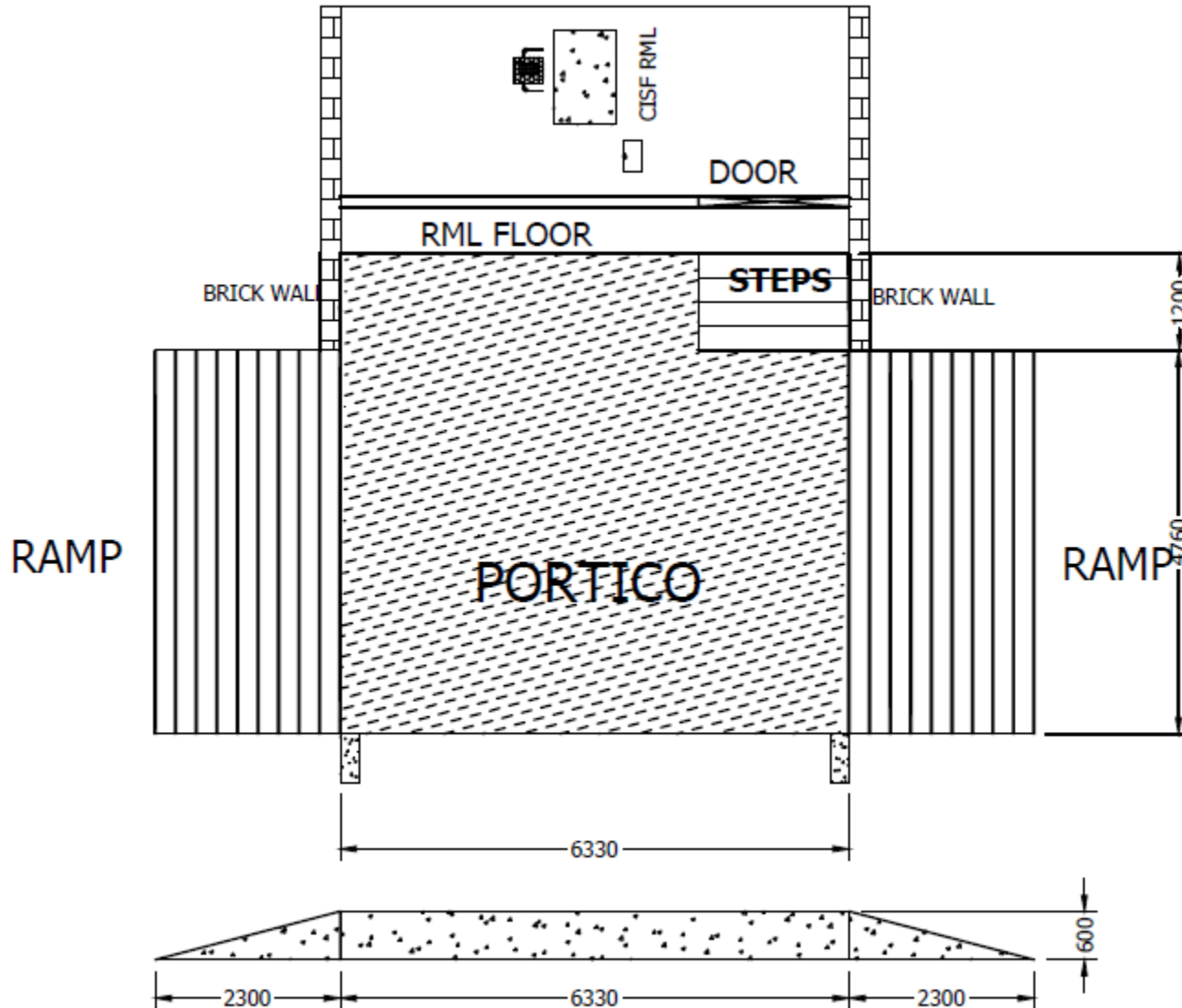


- Flooding due to Tsunami -13 m (RL), cyclonic – 12.01m(RL)
- FFL of RML is 11.5m (RL), presently 0.51m below the revised flood level & 1.5m below the tsunami level.
- Proposed construction of a seismically qualified flood proof wall around FBTR-RML complex – height-13m(RL)
- Flood Barrier : Openings like rolling shutters, door openings, openings at transformers, pipe trenches and openings are to be attended by case specific measures to prevent water entry.
- Station Blackout : blowers of hot cell exhaust system, ventilation blower connected to Class III power supply.
- During grid failure, to maintain negative pressure in hot cells, 2 DG sets are available .

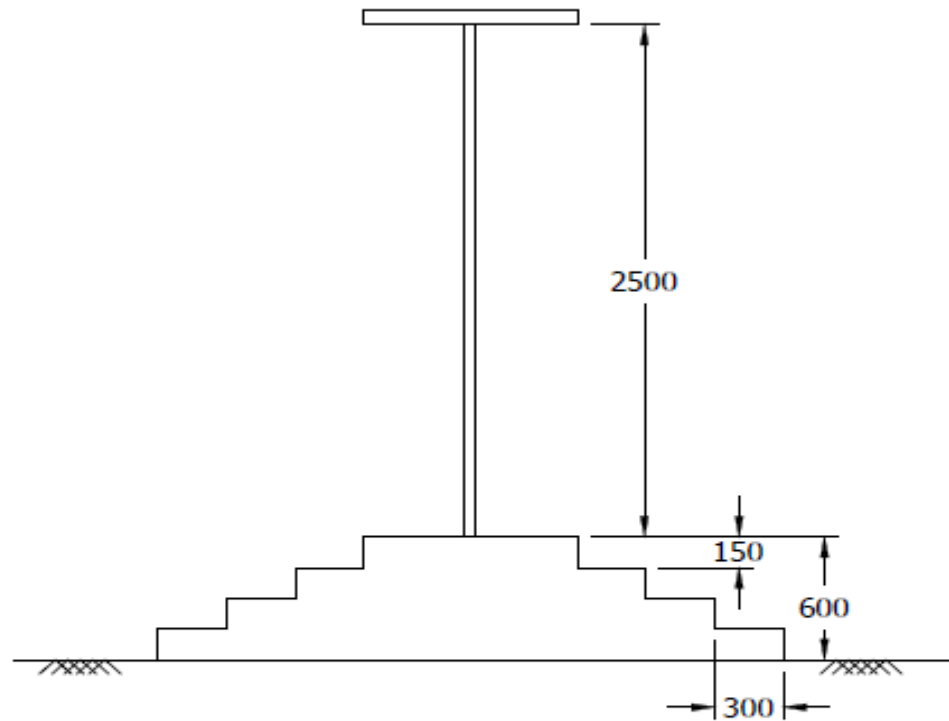
Water entry points to the RML building

- Main entrance (E1) on the south side.
- Truck entry the north western corner of the highbay area (E2).
- Rolling shutters at eastern of service building(Phase I) – 2Nos.
- Emergency exit on the eastern side (EE4).
- Emergency exit on the western side (EE5).
- Removable panels on the western side – 6Nos (E6 - E10, & E13).
- An Al panel door on the western side of the chilling plant building (E11).
- A door (no. G 18) near the transformer on the western side of RML (E12).
- A door eastern side of compressor room phase I.
- Exhaust system valve room near stack.
- Honeycomb wall at southern side delay tank phase I.
- Rolling shutter at new delay tank phase II.
- Chambers at out side the building.
- Trenches outside the building.

FLOOD BARRIER FOR MAIN GATE

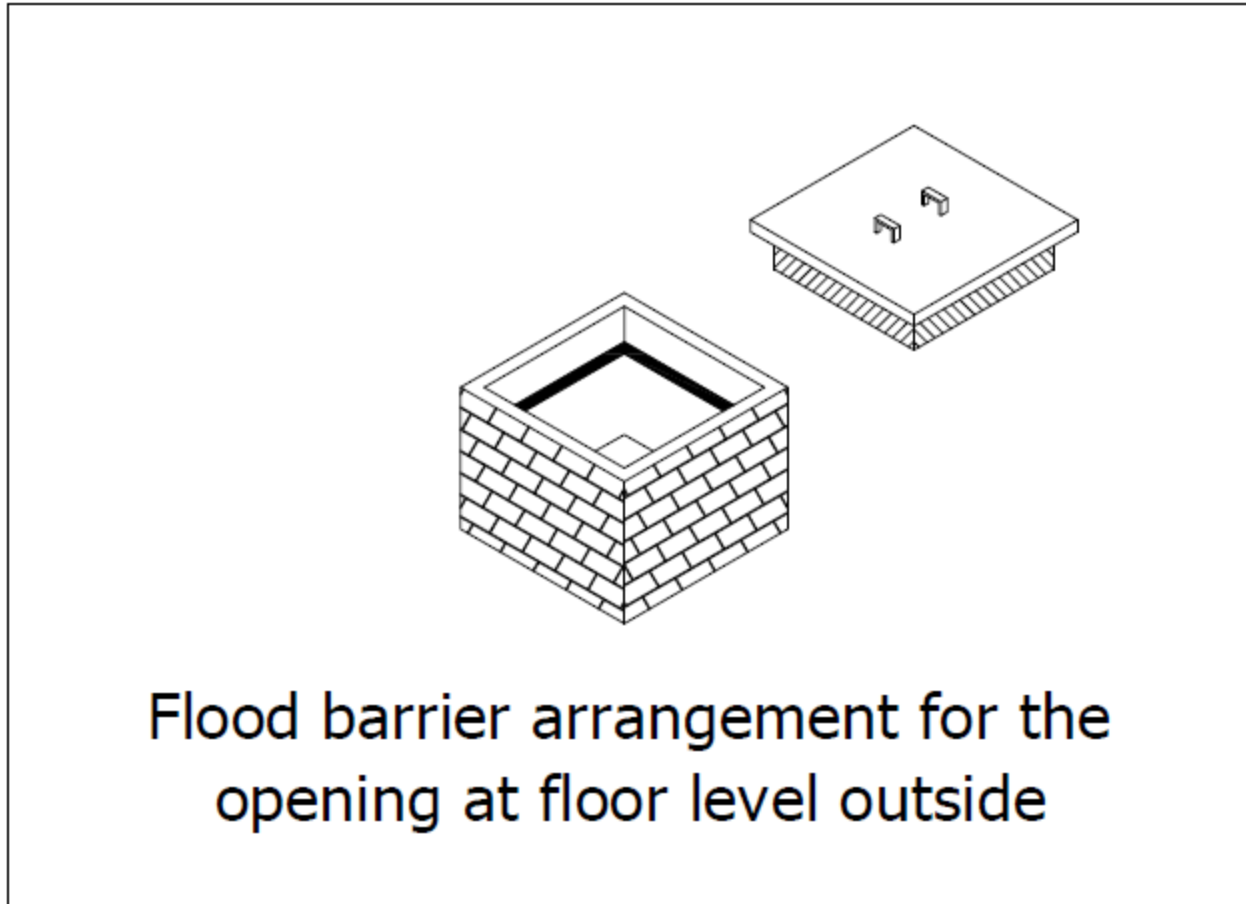


FLOOD BARRIER ARRANGMENT FOR DOOR AND OPENING

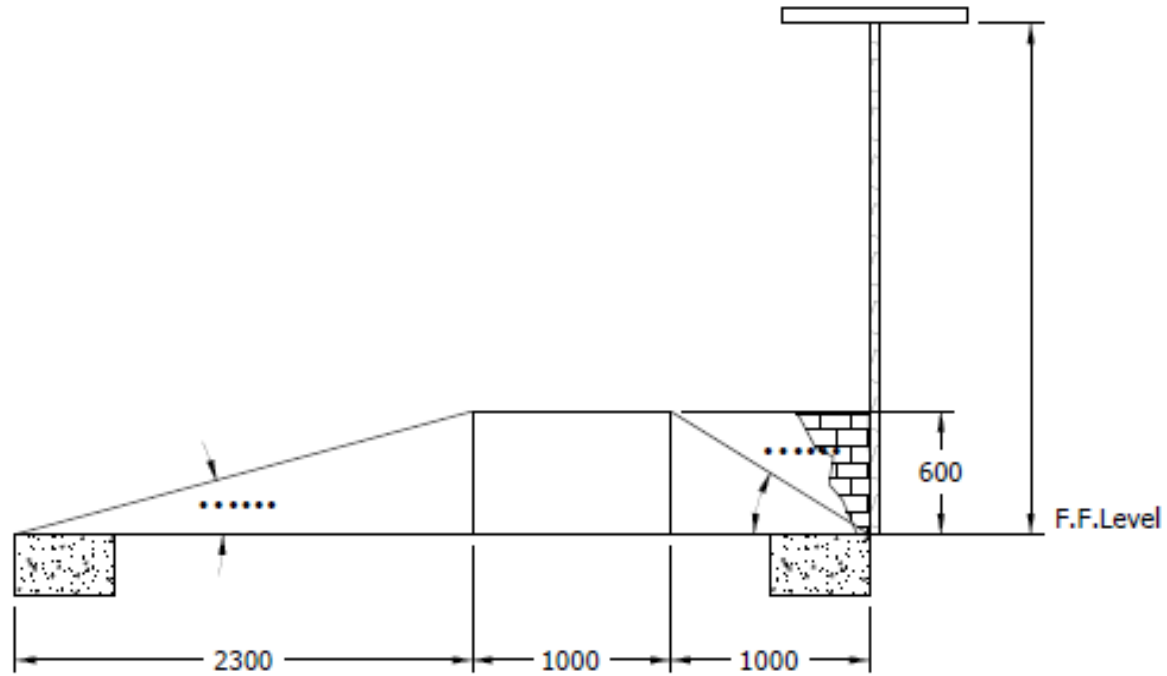


Barrier arrangement for doors
opening to outside

FLOOD BARRIER ARRANGEMENT FOR DOOR AND OPENING

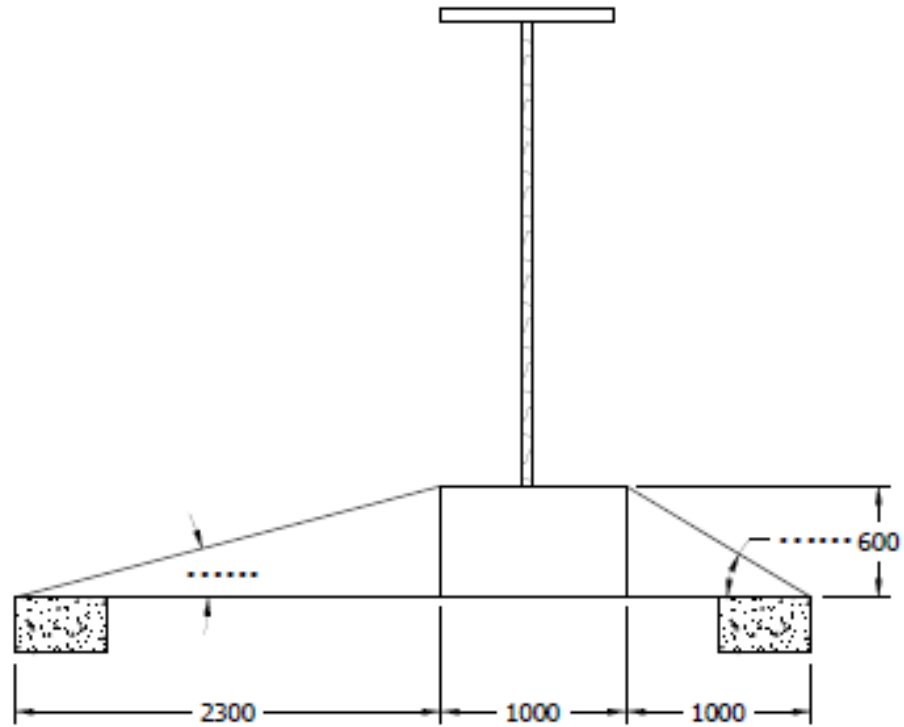


FLOOD BARRIER ARRANGMENT FOR ROLLING SHUTTER



Flood barrier arrangement for rolling shutter (type - I)

FLOOD BARRIER ARRANGMENT FOR ROLLING SHUTTER



Flood barrier arrangement for rolling shutter (type - II)