

To set a clock forward from 3.11.

Breakwater of New Concept

- Stand up in the flooded water by buoyancy and prevent major of following tsunami from invading the land.
- Corresponding reasonable breakwater performance.
- High cost-benefit performance compared with concrete one
- Optimum for Level-2 tsunami

WCDRR
Official Logo

Automatic operation

- Contained in the ground, quay, etc.
(No major appearance)
- Easily noticing of tsunami invasion by its standing up
- Almost no site intervention and no limitation of citizen life near the facilities

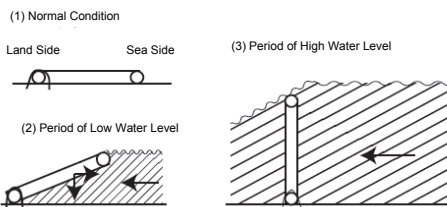
Unit structure

- Easy manufacturing in shop and minor foundation
- Wooden made structure
- So economic and environmental friendly
- Possible Multi-folding/multi-layer arrangement
- Applicable to high tsunami area
- Optimum against Level-2 tsunami

AUTOMATIC ANTI-TSUNAMI SYSTEMS OF ATSR

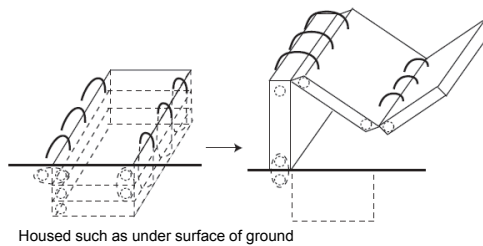
1. Anti-Tsunami Door

Figure 3 : Action of Anti-Tsunami Door

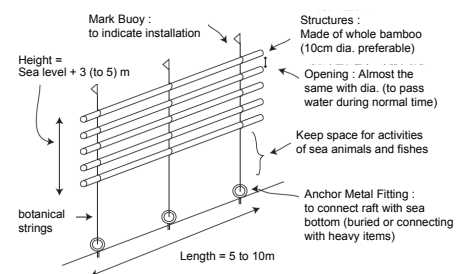


2. Multiple-fold Anti-Tsunami Door

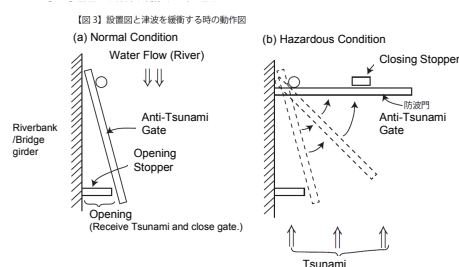
Action of MATD



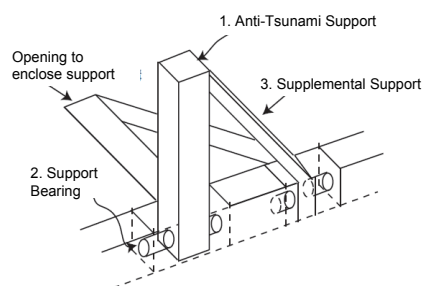
3. Anti-Tsunami Raft



4. Anti-Tsunami Gate



5. Anti-Tsunami Support



6. Automatic Tsunami Alarm System

