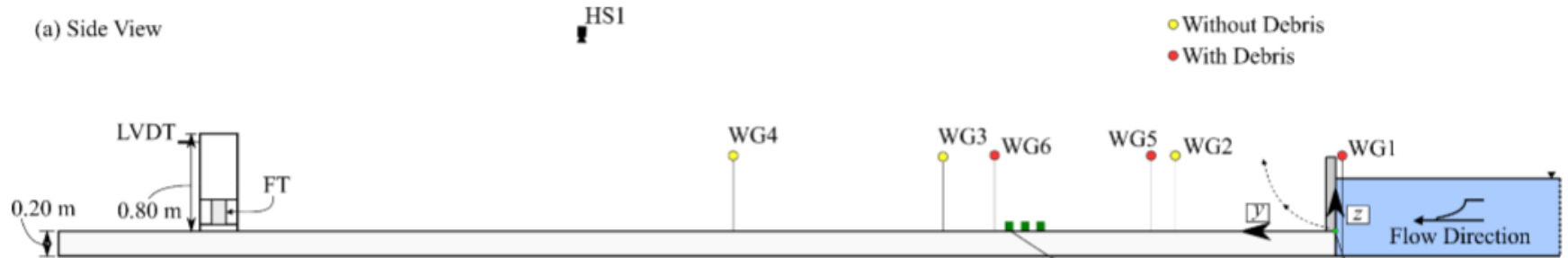
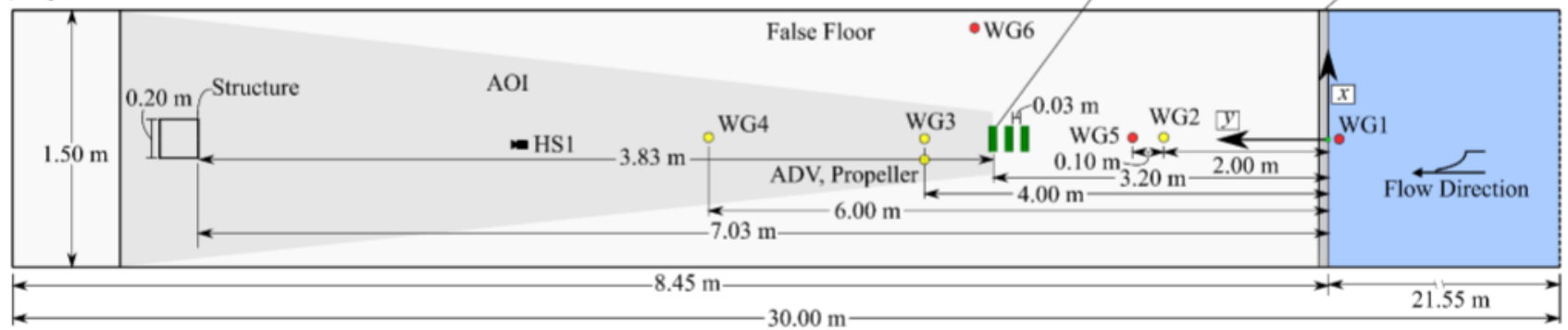


# Tsunami Hackathon - Debris

(a) Side View



(b) Top View



## Debris Properties

Dimensions -  $0.15 \text{ m} \times 0.06 \text{ m} \times 0.06 \text{ m}$

Density -  $529.6 \text{ kg/m}^3$

## Data Structure

|          |        |                  |        |  |
|----------|--------|------------------|--------|--|
| tempData | expXXX | numberOfDebris   | int    | Number of debris in the test   |
|          |        | impoundmentDepth | double | Impounded water depth used to generate wave  |
|          |        | deb              | matrix | Debris position (given as Time - Y position - X position)                          |
|          |        | WG               | matrix | Wave gauge time history (given as Time - WG1 - WG5 - WG6)                          |
|          | hydro  | WGX              | matrix | Average wave gauge time history (given as Time - Water Depth)                      |
|          |        | Propeller        | matrix | Average flow velocity time history from propeller (given as Time - Water Velocity) |
|          |        | ADV              | matrix | Average flow velocity time history from ADV (given as Time - Water Velocity)       |