R&R Scope: Surge Protection

1. **WET FLOODPROOFING**
   Allows floodwaters to pass through parts of a structure without endangering structural stability

2. **DRY FLOODPROOFING**
   Prevents floodwaters from entering a structure using impermeable materials and flood barriers

*Source: FEMA*
DRY FLOODPROOFING

- Backwater valves
- Manually or automatically deployed flood barriers
- Structural reinforcement
- Sump-pumps
WET FLOODPROOFING

Critical equipment is relocated above the flood level

Wet floodproof vents

Critical equipment below ground level
Pooling water

Hydrostatic Pressure

Hydrostatic Pressure