Bertschi School: Water System Diagrams
Rain Water
Rain Water

Sequence

1. Rain falls onto roof
Rain Water

Sequence

1. Rain falls onto roof
2. Directed into gutters and interior floor runnel
Rain Water

Sequence

1. *Rain falls onto roof*
2. *Directed into gutters and interior floor runnel*
3. *Collected in potable water cistern*
Rain Water

Sequence

1. *Rain falls onto roof*
2. *Directed into gutters and interior floor runnel*
3. *Collected in potable water cistern*
4. *Cistern fills*
Rain Water

Sequence

1. Rain falls onto roof
2. Directed into gutters and interior floor runnel
3. Collected in potable water cistern
4. Cistern fills
Rain Water

Sequence

1. *Rain falls onto roof*
2. *Directed into gutters and interior floor runnel*
3. *Collected in potable water cistern*
4. *Cistern fills*
5. *Overflows into exterior runnel*
Rain Water

Sequence

1. Rain falls onto roof
2. Directed into gutters and interior floor runnel
3. Collected in potable water cistern
4. Cistern fills
5. Overflows into exterior runnel
6. Collected in non-potable water cistern
Rain Water

Sequence

1. Rain falls onto roof
2. Directed into gutters and interior floor runnel
3. Collected in potable water cistern
4. Cistern fills
5. Overflows into exterior runnel
6. Collected in non-potable water cistern
7. Cistern fills
**Rain Water**

**Sequence**

1. *Rain falls onto roof*
2. *Directed into gutters and interior floor runnel*
3. *Collected in potable water cistern*
4. *Cistern fills*
5. *Overflows into exterior runnel*
6. *Collected in non-potable water cistern*
7. *Cistern fills*
8. *Backflows and fills exterior runnel*
Rain Water

Sequence

1. Rain falls onto roof
2. Directed into gutters and interior floor runnel
3. Collected in potable water cistern
4. Cistern fills
5. Overflows into exterior runnel
6. Collected in non-potable water cistern
7. Cistern fills
8. Backflows and fills exterior runnel
9. Runnel overflows into rain garden
Greywater
Sequence

1. Sinks use water from potable cistern
Greywater

Sequence

1. *Sinks use water from potable cistern*
2. *Greywater drains from sinks to greywater tank*
Sequence

1. Sinks use water from potable cistern
2. Greywater drains from sinks to greywater tank
3. Greywater delivered to living wall by drip irrigation system
Greywater

Sequence

1. Sinks use water from potable cistern
2. Greywater drains from sinks to greywater tank
3. Greywater delivered to living wall by drip irrigation system
4. Greywater transpired by living wall plant material
Greywater

Sequence

1. Sinks use water from potable cistern
2. Greywater drains from sinks to greywater tank
3. Greywater delivered to living wall by drip irrigation system
4. Greywater transpired by living wall plant material
5. Remaining greywater recycled back through system