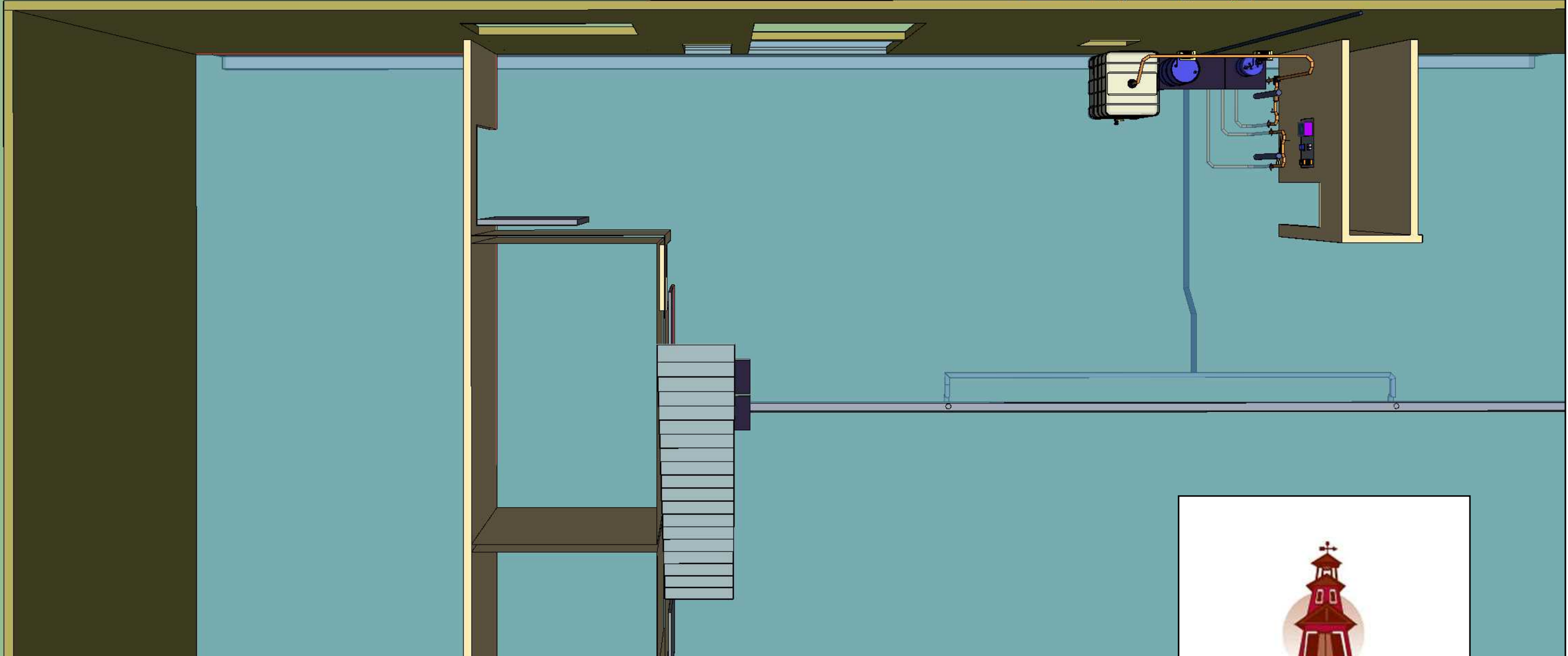
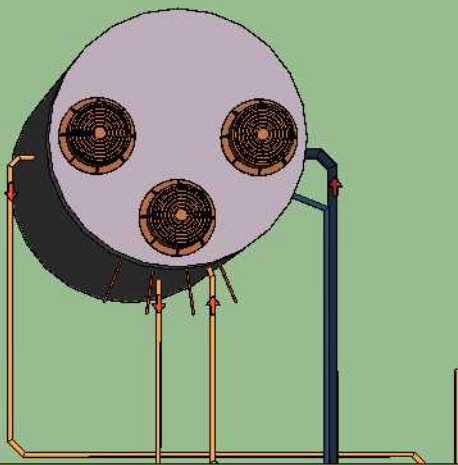


Overview of
project area



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WASTEWATER DESIGN

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Old Schoolhouse
Brewery

PROJECT
Wastewater
pretreatment

FILE NAME
OSB WW Layout

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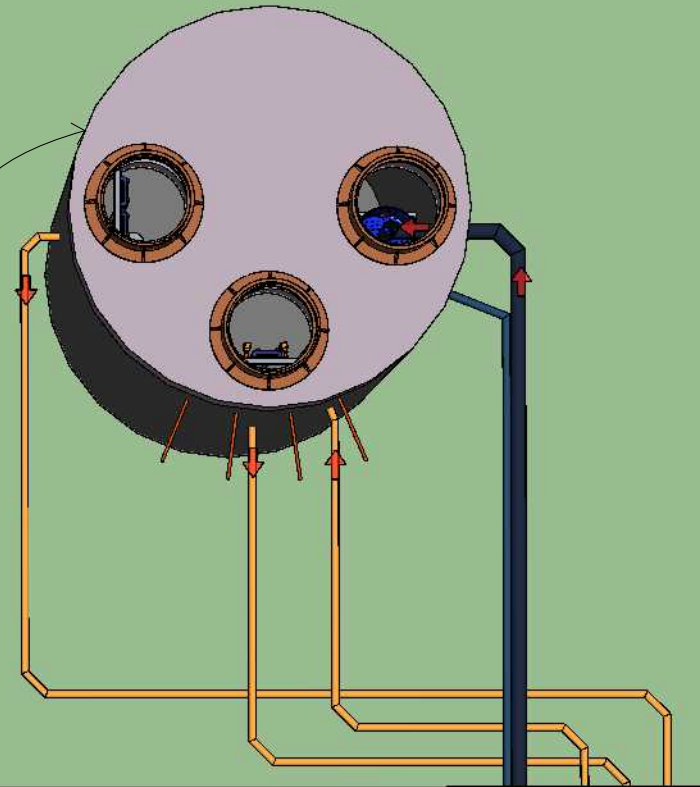
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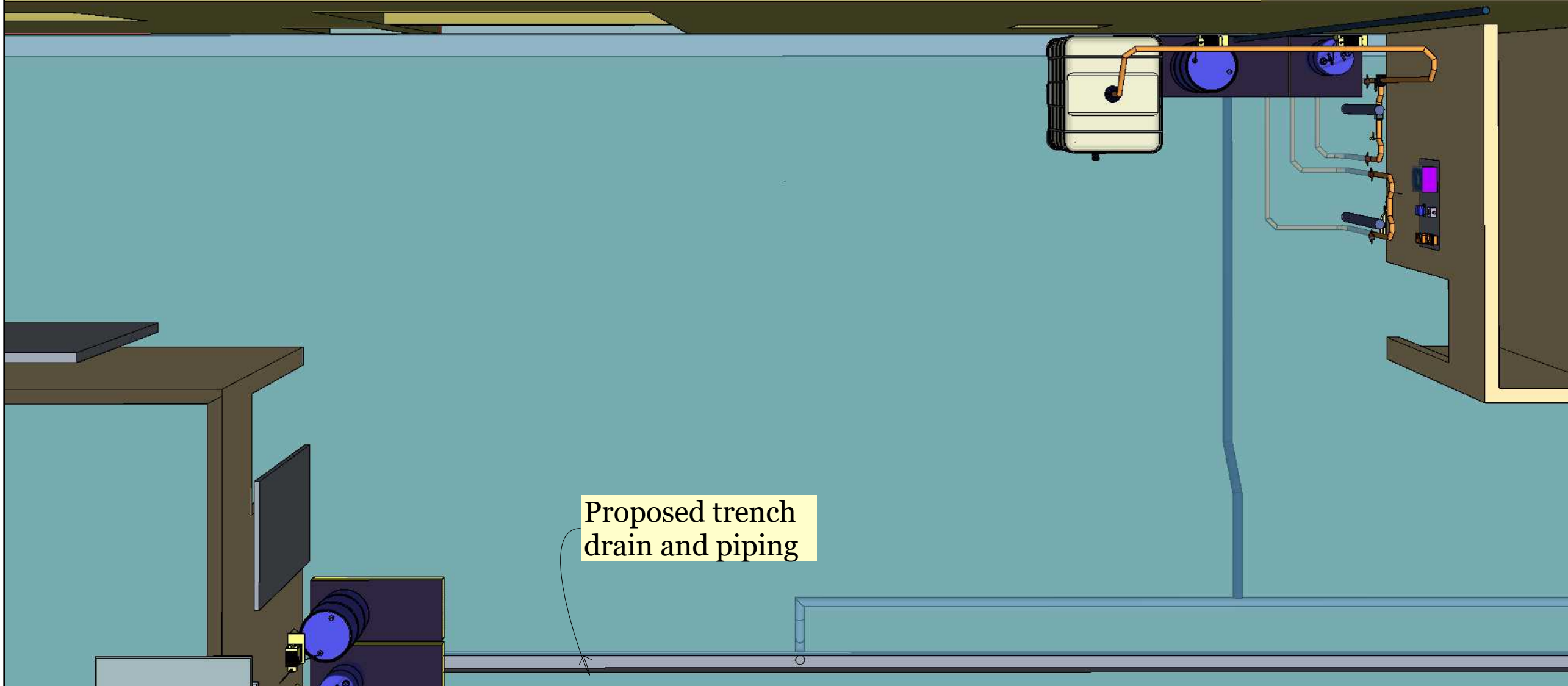
OLD SCHOOLHOUSE
B R E W E R Y

Overview of project area

Proposed lift station and pretreatment tank



Proposed trench drain and piping



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1875 Locust Rd.
Montrose, CO 81401
www.brewerywastewater.com
john@brewerywastewater.com
541-350-4261



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Twisp, WA 98556

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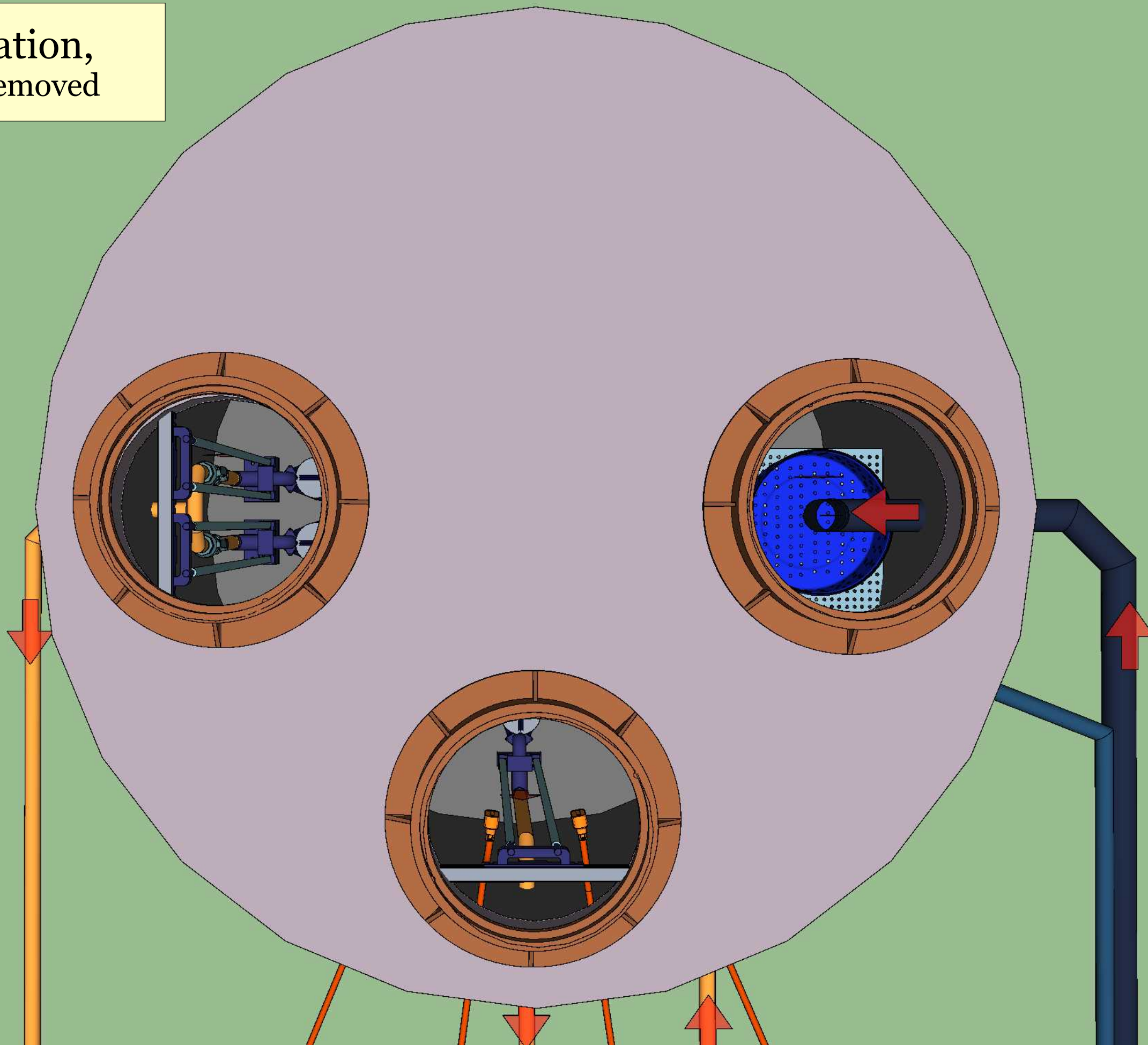
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DESCRIPTION
Sheet Description

WW₁

Lift station,
covers removed



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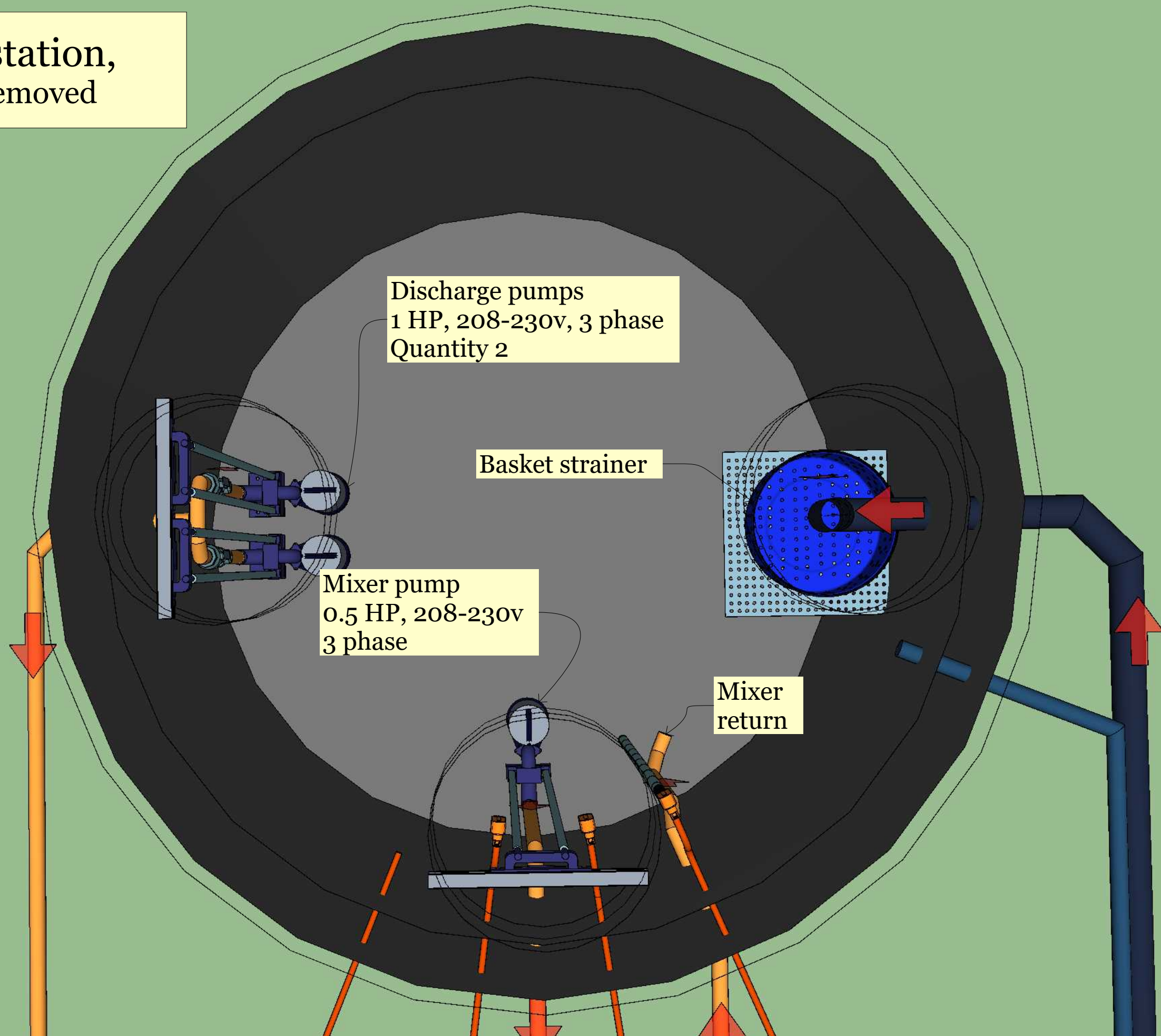
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DESCRIPTION
Sheet Description

WW₂

Lift station,
lid removed



Discharge pumps
1 HP, 208-230v, 3 phase
Quantity 2

Basket strainer

Mixer pump
0.5 HP, 208-230v
3 phase

Mixer
return



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DESCRIPTION
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Lift station, section

Conduits

- Mixer pump power
- Discharge pump power
- Level detection
- Spare

Vent

FogRod
level
sensor

Slide rail system
Quantity 3

Discharge pumps
1 HP, 208-230v, 3 phase
Quantity 2

Basket
strainer

Mixer
return

Mixer pump
0.5 HP, 208-230v
3 phase



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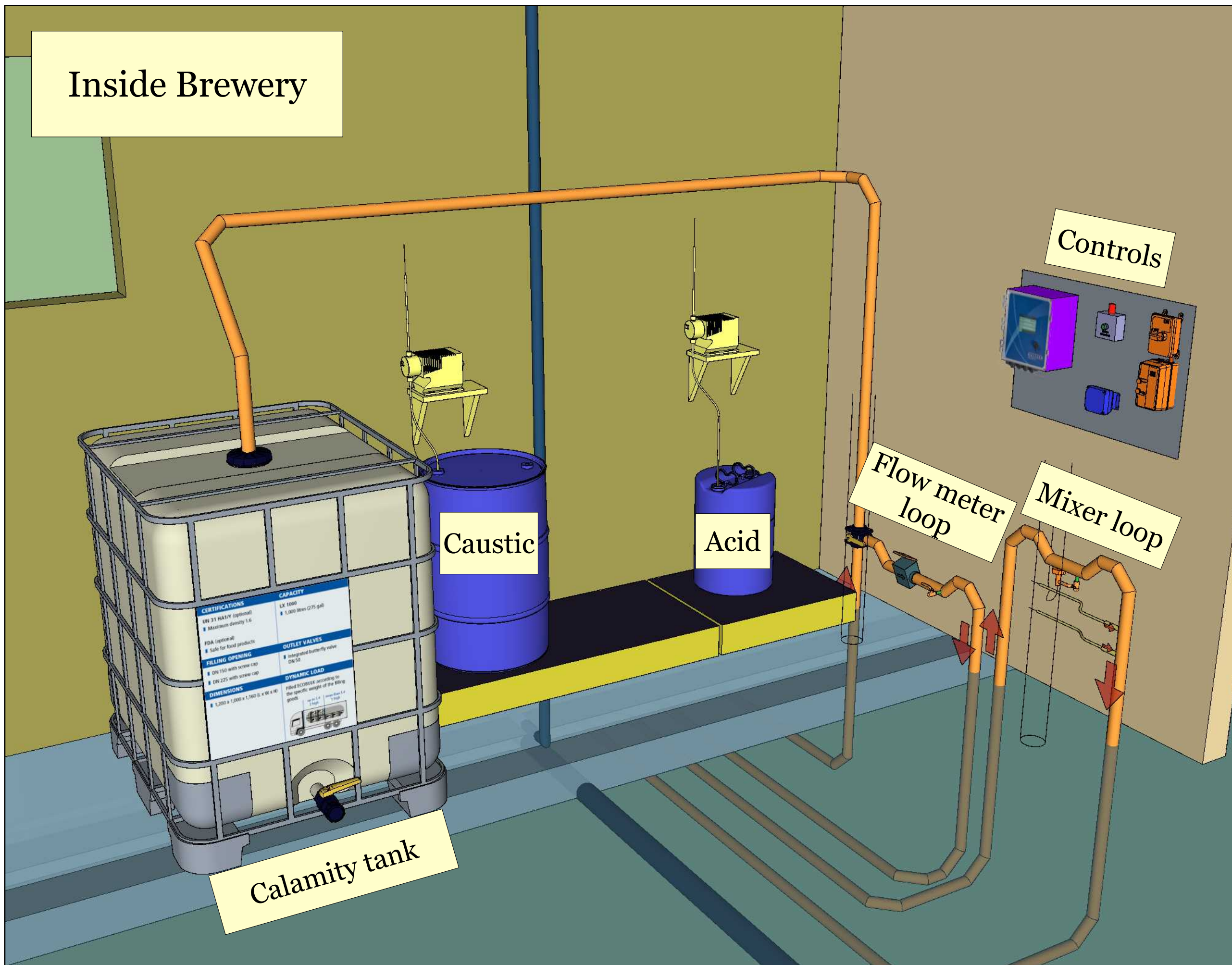
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Inside Brewery



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Flow meter loop

Manual 3-way valve, divert to calamity tank on demand.

2" Magnetic flow meter

Sample port



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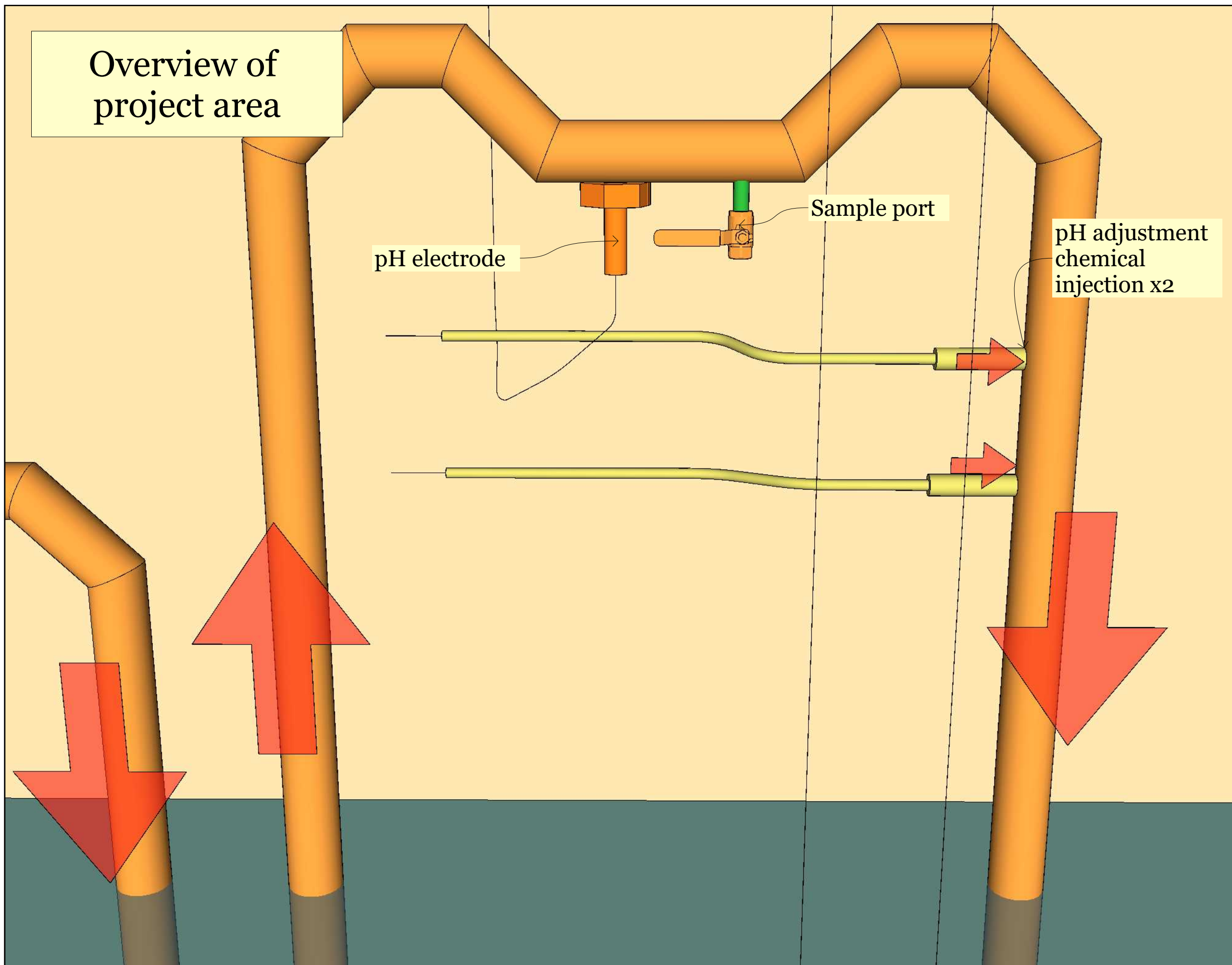
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Overview of project area



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john@brewerywastewater.com
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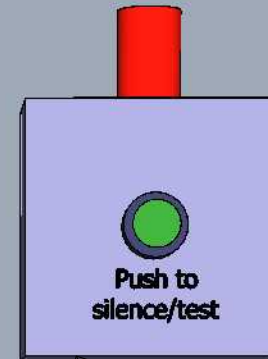
DESCRIPTION
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WW₇

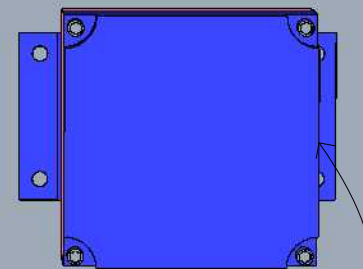
Control system



Walchem process controller

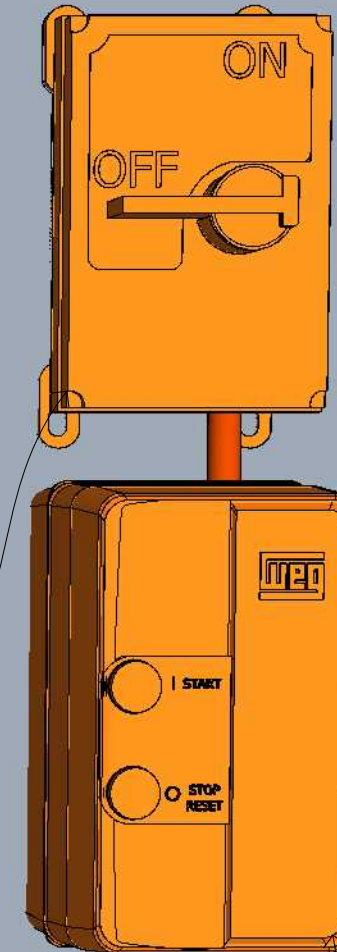


Alarm



Flow meter signal conditioner

Mixer pump disconnect



Mixer pump motor starter

Lift station pump controls and LOTO mixer pump disconnect will be located outdoors to maintain line of sight.



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DESCRIPTION
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Control system

Duplex alternating
pump controller

Mixer pump
disconnect,
Lock Out/Tag
Out compatible

Discharge pump
controller, Lock Out/
Tag Out compatible

Lift station pump controls and
final mixer pump disconnect
will be located outdoors to
maintain line of sight.



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Control system

Pump controls near tank to maintain line of sight electrical compliance.

Mixer pump disconnect

Discharge pump controller



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