



CROSS CONNECTION SURVEYS

Obscure Things To Look For

5 P'S-PROPER PLANNING PREVENTS
POOR PERFORMANCE

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- ▶ How many water service connections are there?
 - ▶ Make a site map and bring along!
- ▶ Who is the best on site contact that knows the building and water/plumbing systems?
- ▶ What is the primary use of the facility?

BEFORE YOU ARRIVE DO YOUR
HOMEWORK!

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- ▶ Advance notice of arrival
- ▶ Request any blueprints or piping layout drawings be available
- ▶ Is there an outside loop that connects multiple buildings or fire hydrant feeds?
 - ▶ Don't assume those two 6" RP's in parallel are the premise isolation in the mechanical room

FACILITIES MAINTENANCE PERSONNEL



- ▶ Have your own PPE, hard hat, hearing and eye protection, hi viz vest/jacket, appropriate foot ware
- ▶ Camera, laser pointer, note pad, flashlight

WHAT DO I BRING?

- ▶ Start at the meter and work your way in
- ▶ Ask questions-the plant operator or maintenance person should be able to answer them for you.
- ▶ Look around the outside of the facility-is there a water feature in the landscape? Natural or man made?

FOLLOW THE WATER

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- ▶ Fire Protection
- ▶ HVAC
- ▶ Domestic
- ▶ Lab

SOME COMMON COMMERCIAL WATER SYSTEMS

- ▶ Industrial systems or process water
 - ▶ Tank fill systems for testing equipment or experiments
 - ▶ RO/DI Water generators
- ▶ Specialty Equipment Cooling
 - ▶ Laser cooling
- ▶ Make up for non-potable uses
 - ▶ Lab water
 - ▶ Wash down systems
 - ▶ Water jet cutting

SOME UNCOMMON COMMERCIAL WATER SYSTEMS

- ▶ Don't become overwhelmed-take lots of pictures to refer to after you leave
- ▶ Take good notes, get contact info for the people at the facility
- ▶ Sketch things out like water headers or equipment connections

KEEP CALM AND INSPECT ON

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CHILLER PLANT

COOLING TOWERS





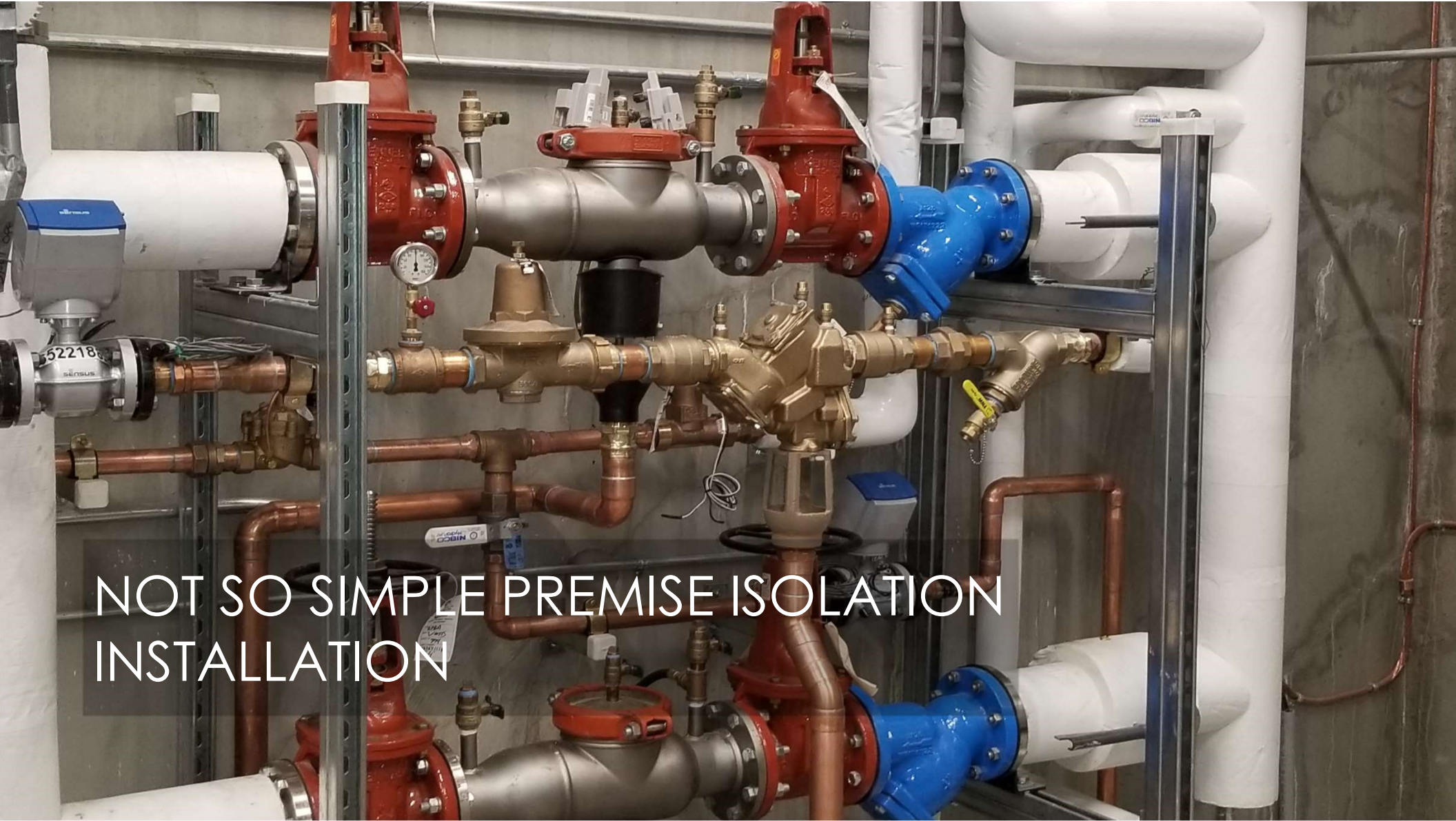
COOLING TOWERS



RECLAIMED WATER SYSTEMS



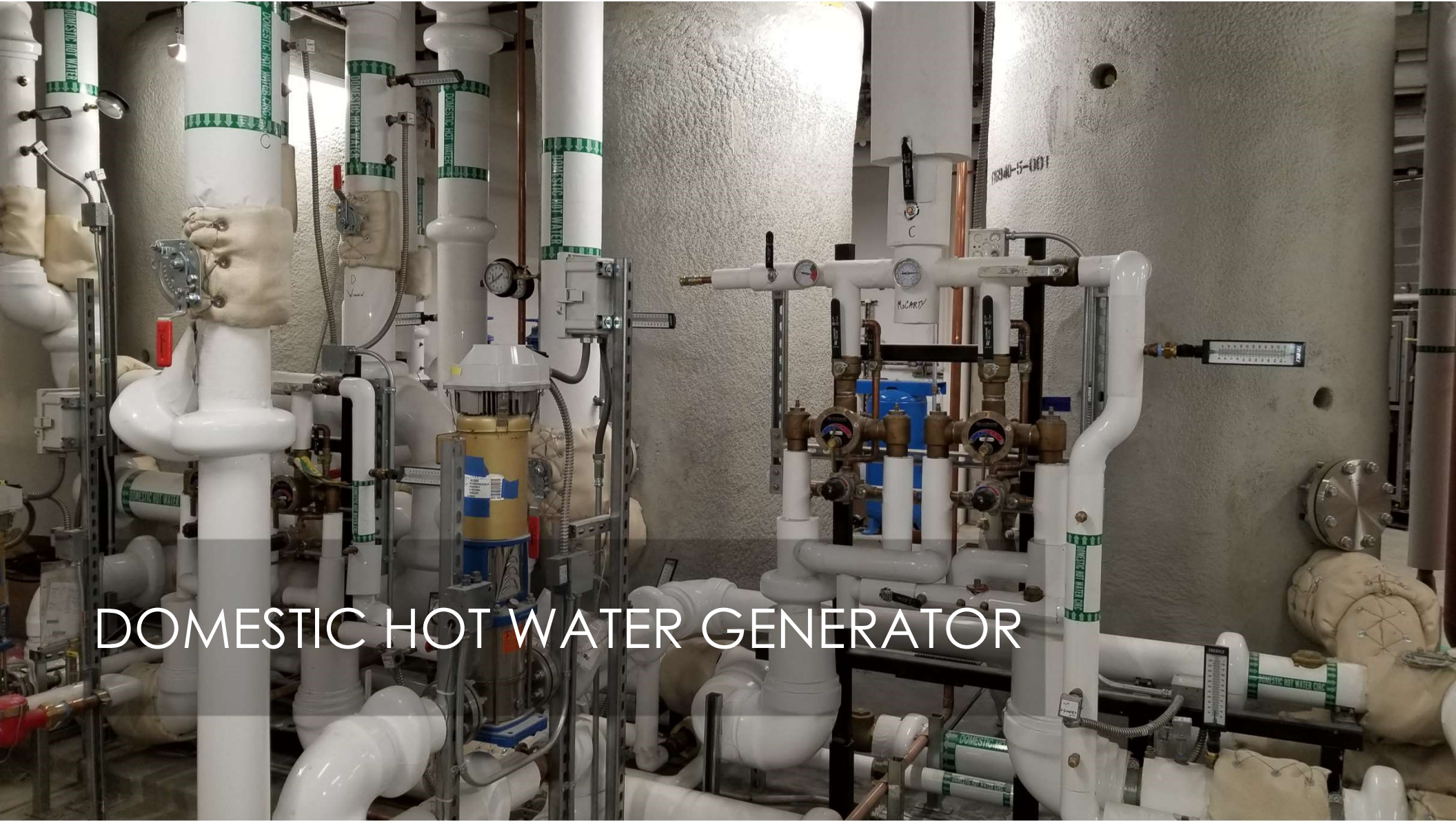
SIMPLE PREMISE ISOLATION
INSTALLATION



NOT SO SIMPLE PREMISE ISOLATION
INSTALLATION



RO/DI WATER PLANT



DOMESTIC HOT WATER GENERATOR



GREENHOUSE HEATING/COOLING

- ▶ Learn new water using systems
- ▶ Get to know your water customers and their processes
- ▶ Obtain a better understanding of your system and how it serves your customers

A LEARNING OPPORTUNITY

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YOUR EFFORTS HELP KEEP OUR
DRINKING WATER SAFE!



QUESTIONS?