

TIAC's 57th Annual Conference Montreal, QC

Introducing

NIA's Thermal Insulation Inspector Certification™





Thermal Insulation Inspection Certification™



A course designed to teach individuals to inspect mechanical insulation systems against the project specification, contract document, or controlling document according to the **NIA Insulation Inspection Standard™**

This is not a consultation that passes judgment on the quality of the installation or whether the inspector subjectively feels that a different insulation should have been used on the project.

The inspector will compare the specification or the controlling document to determine if the insulation installation matches these guidelines.



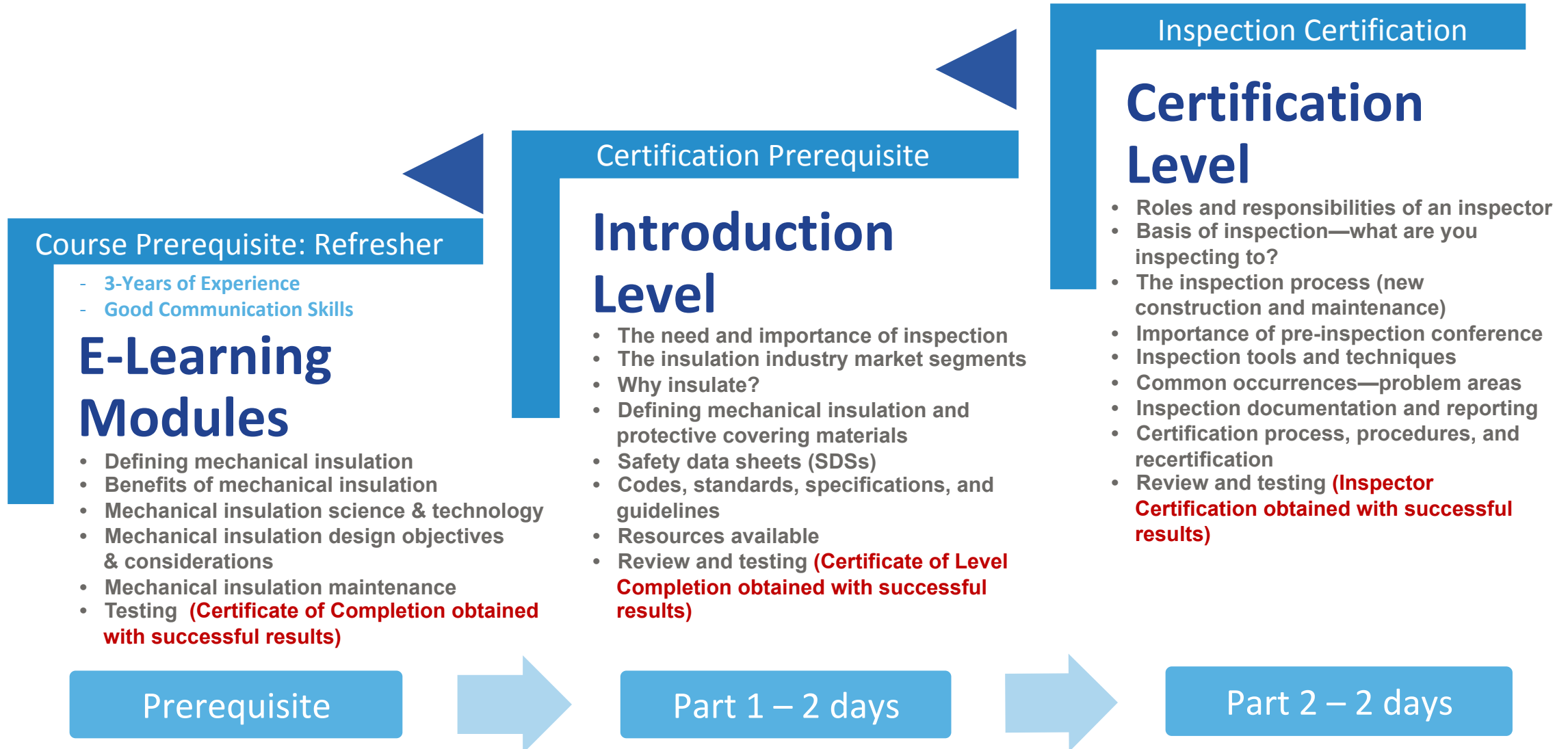
Why is this Program Needed



- Eliminate the Continued Use of Outdated and Poor Specifications
- Conflicting Documents—Unclear Directions
- Enhance QA/QC Programs
- Provide Insulation Inspectors that Are Highly Trained
- Improve Profitability
- Liability Support
- Cost Control/Budgeting



NIA's Thermal Insulation Inspector Certification™ Program

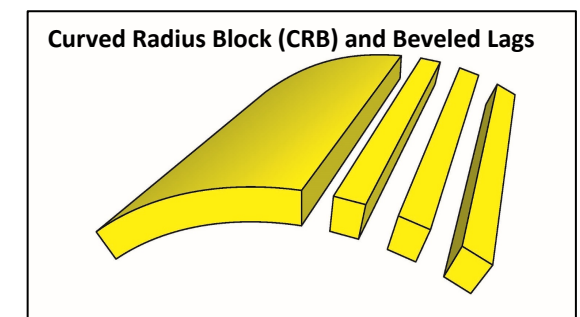
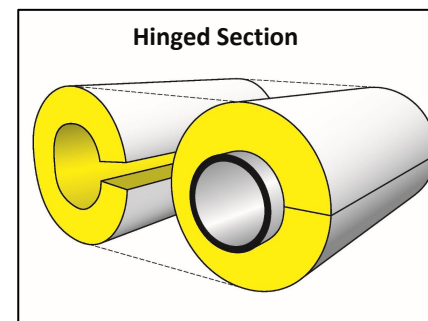
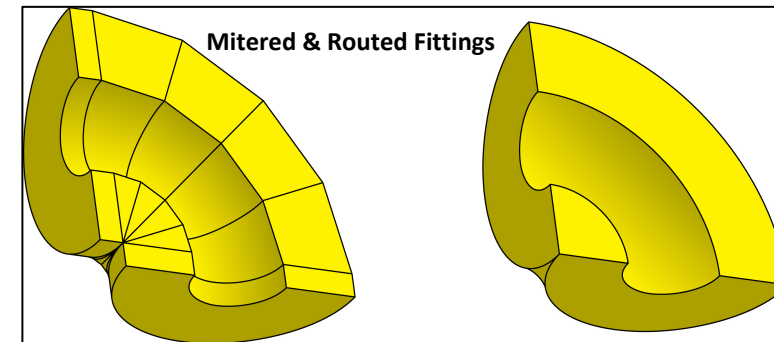
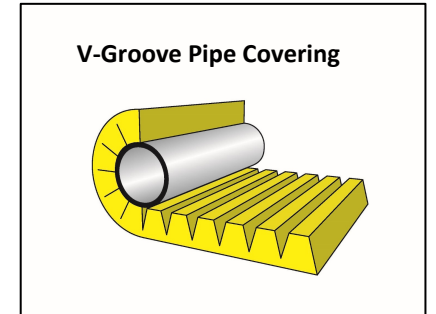
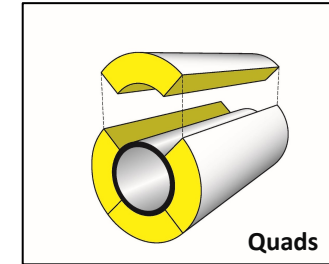
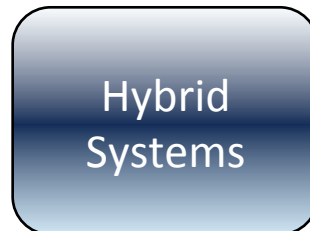
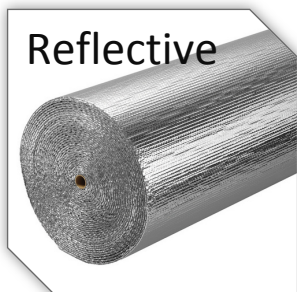




Program Scope



Defining Insulation Categories and Forms:



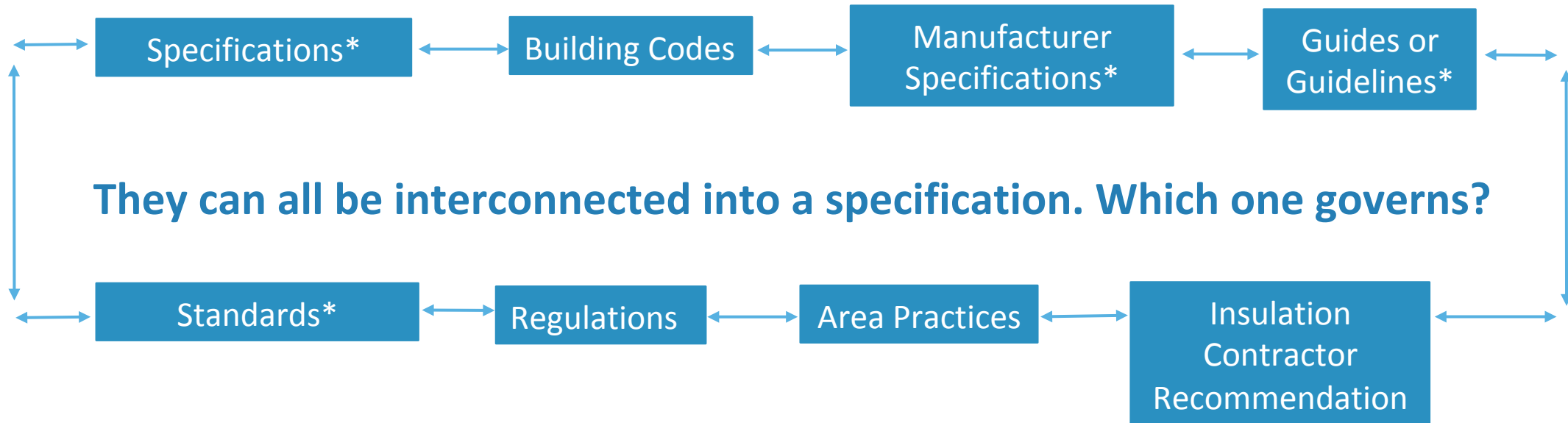


Program Scope



Standards, Codes, Regulations, Guidelines, and Specifications:

How to Read and Interpret a Specification



(*) Denotes representative—actual documents are reviewed and discussed in class.



Program Scope



The Inspector's Role and Responsibility

Inspect, Verify, Document, and Report

Regardless of who you work for, or who the client may be, you are not a design engineer, consultant, facility owner, or mechanical or insulation contractor.

Looking at mechanical insulation from a specification compliance or assessment, the inspection perspective provides a different view from other levels of the decision ladder.



Program Scope



Corrosion under Insulation (CUI):

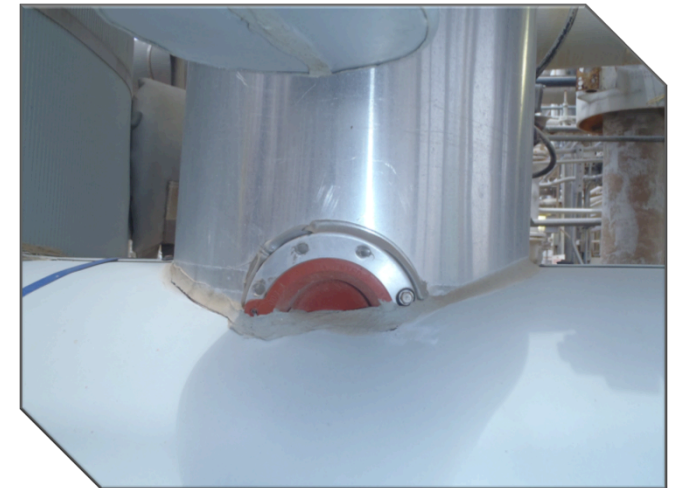
- **New Construction Applications:** Inspections can help with prevention efforts
- **Maintenance on Previous Installations:** Inspections or assessments can support identification of high-risk areas and a call for action



The course will review the elements required for corrosion to occur and debunk the myth that insulation causes it.



How Much of This Is Out There?

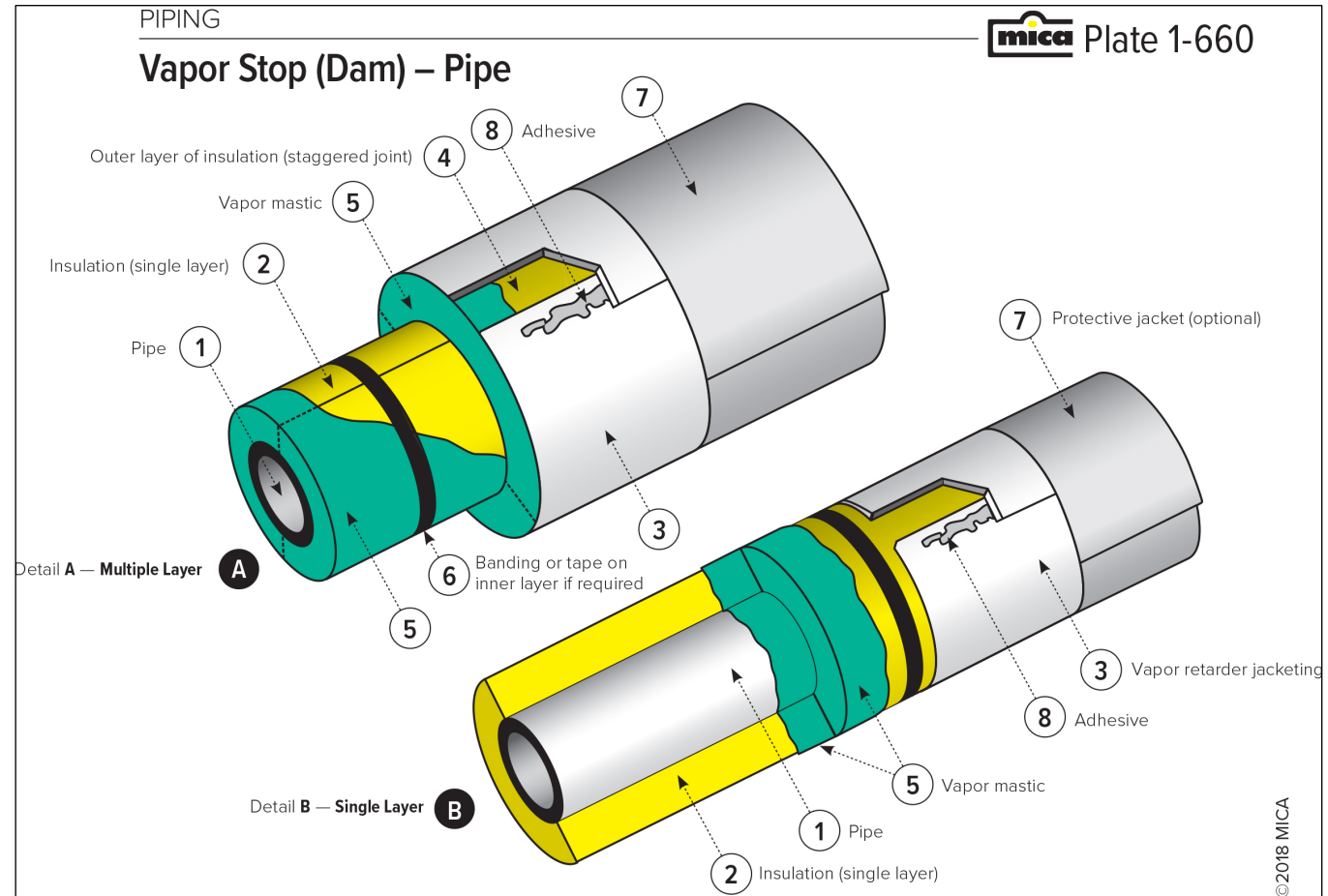




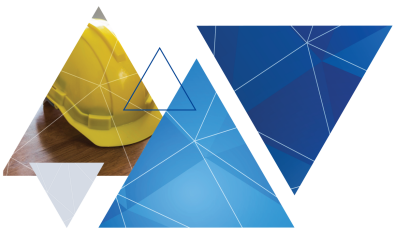
Program Scope



Example Inspection Exercises Probable Areas of Concern



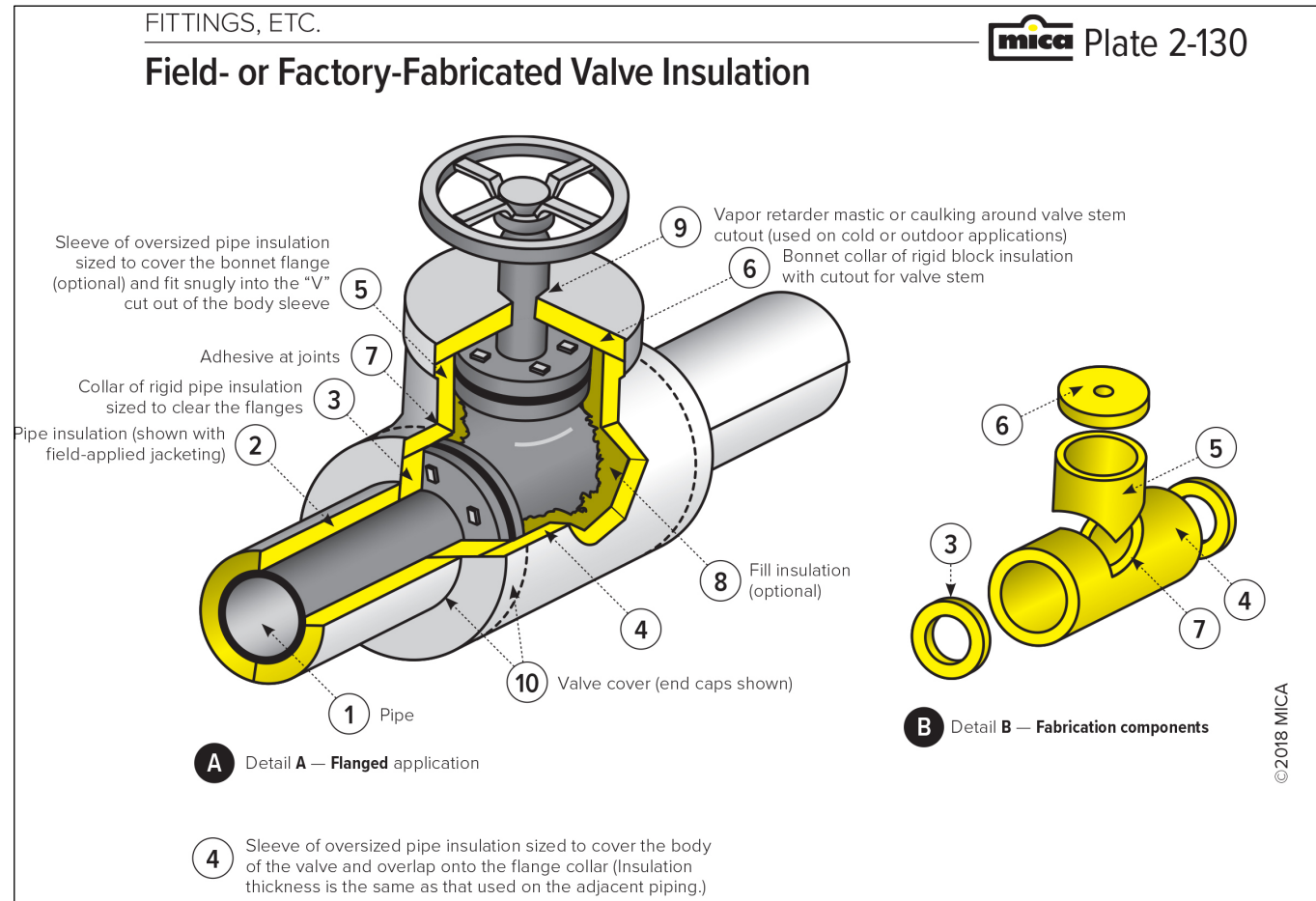
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Program Scope



Example Inspection Exercises Probable Areas of Concern



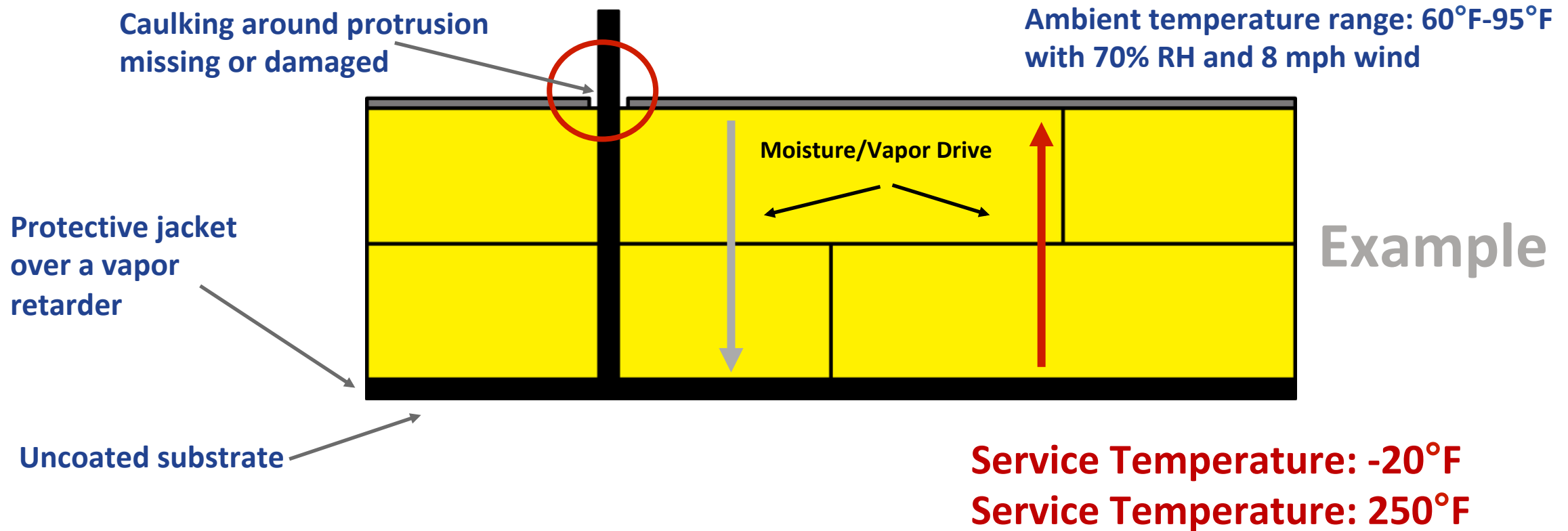
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Program Scope



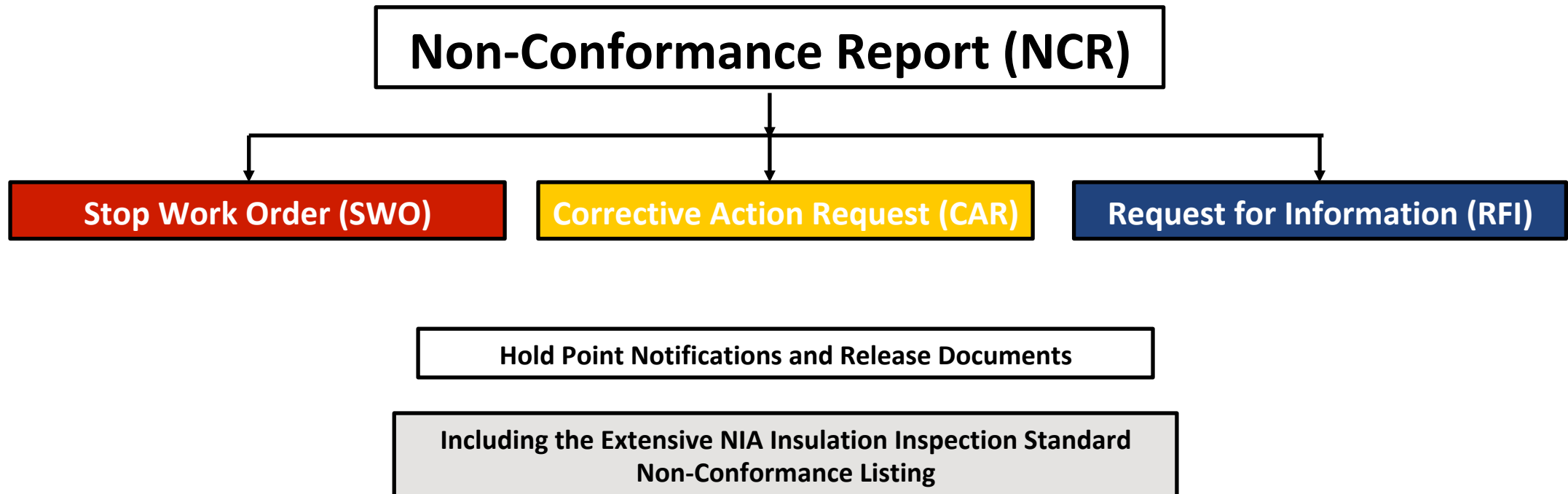
Inspection Exercises: Common Occurrences—Common Sense Approach





Program Scope

Inspection Process Documentation and Reporting





What Is The Value Of The Program To Your Company?

Course Audience

- Insulation contractors
- Code/regulatory officials
- CUI and educational extensions
- Engineering firms
- Facility owners
- Inspection—QA/QC firms
- Manufacturers
- Mechanical and other contractors
- Mechanical insulation distributors/fabricators

QA/QC Program

Risk Assessment

Knowledge

Liability Support

Maintenance Support

Employee Training

Cost Control/Budgeting

Conformance Monitoring

Marketing/Sales

Continuing Education

Craft Training

Profitability \$

Growth

Productivity

Commissioning

Service





NIA's Thermal Insulation Inspector Certification Program™



Summary of Course:

- Comprehensive—starts with the basics through the inspection process and reporting
- Applicable to the commercial and industrial mechanical insulation industry segments (all service temperature ranges)
- Course is product and labor generic in nature
- Contains multiple class participant exercises—participation and interaction are encouraged
- Review and discussion of actual documents
- Product samples from all basic groups are present during the course
- Allows time for networking with fellow participants
- Test measures students' comprehension of the material
- Take-aways are extensive
- Developed, reviewed, and taught by experienced industry professionals

Certified Insulation Inspectors have been requested by industry and are needed in the industry



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Marketing the Course:

- Certified Inspectors
- Manufacturers
- Engineers, Facility Owners, and Specifiers
- Allied NGOs
- Government Agencies
- State Codes
- State Licensing

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“Now we have the opportunity to filter out a lot of errors before they become an expense. In addition, this certification gives respect and a brand to the insulation industry. I think the program will spread quickly. Engineers and contractors in my company are already asking how they too can become certified. People recognize the value and it will continue to grow.”

-Simon Rix, QC Engineer, Chiyoda Corporation

Chiyoda handles about 40% of the global LNG market for engineering design and construction.



**Mr. Rix took the May 2019
Insulation Inspector Course.**





Sign up for the last 2019 class!

~~August 6-9, 2019, Houston, TX~~
SOLD OUT!

December 3-6, 2019, Houston, TX

Stay tuned for more class options in 2020.
In house/sponsored classes are also available.

training@insulation.org
www.insulation.org/inspector

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THE VOICE OF THE INSULATION INDUSTRY™

Questions?

Thank You!

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