Insulating

Level Three

Module 19309
Blueprints and Specifications

EXAMINATION PACKET

This packet contains the reproducible Module Examination, Answer Key, and Performance Profile Sheet(s).

STORE IN A SECURE AREA!

NATIONAL CENTER FOR CONSTRUCTION EDUCATION AND RESEARCH

Pearson Education, Inc.

Upper Saddle River, New Jersey Columbus, Ohio

Copyright © 1997 by the National Center for Construction Education and Research.
All Rights Reserved.

Module Examination **TASK MODULE 19309** **Blueprints and Specifications**

Name: _____ **Date:** _____

Social Security Number: _____

_____ 1. Drawings that show topographic details such as contour lines and trees are _____.

a. site plans
b. architectural plans
c. elevation views
d. foundation plans

_____ 2. Drawings that show the locations and schedules for windows and doors in a building are _____.

a. site plans
b. floor plans
c. mechanical plans
d. plumbing plans

_____ 3. Arrows shown on a roof plan usually indicate _____.

a. north
b. roof drains
c. direction of roof slope
d. None of the above.

_____ 4. Drawings that show the exterior style of a building are _____.

a. site plans
b. floor plans
c. elevation drawings
d. None of the above.

_____ 5. Schedules are usually shown on _____.

a. floor plans
b. mechanical plans
c. plumbing plans
d. All of the above.

_____ 6. Schedules for mechanical equipment _____.

a. show the sequence in which the items of equipment will be installed
b. list the estimated cost of each item of mechanical equipment
c. specify the types and sizes of the various mechanical equipment used in the construction
d. None of the above.

_____ 7. Enlarged views that show special features of a building such as windows or doors are _____.

a. detail drawings or views
b. sectional drawings or views
c. elevation drawings or views
d. None of the above.

Copyright © 1997 National Center for Construction Education and Research and National Insulation Association. Permission is granted to reproduce this page provided that copies are for local use only and that each copy contains this notice.

_____ 8. Cutaway drawings that show the inside of an object or building are _____.

a. detail drawings or views
b. sectional drawings or views
c. elevation drawings or views
d. None of the above.

_____ 9. The plan drawing(s) that show the layout of water supply and sewage disposal systems and fixtures are known as the _____.

a. HVAC plan
b. plumbing plan
c. mechanical plan
d. electrical plan

_____ 10. On which of the following would you *not* be likely to find insulation requirements?

a. Piping plan
b. Mechanical plan
c. Site plan
d. Specification

Note: For questions 11 through 15, refer to the drawing set supplied with the Trainee Module.

_____ 11. What insulation is required for the chilled water piping in the HVAC system?

a. 1/2" flexible unicellular
b. No insulation is required
c. 1" fiberglass
d. 1 1/2" ductwrap

_____ 12. What insulation is required for the domestic plumbing system?

a. 1/2" flexible unicellular on potable water lines
b. 1/2" flexible unicellular on potable water lines and sanitary sewer lines
c. No insulation is required
d. 1" fiberglass

_____ 13. In what part of the building are 2" sound batts required?

a. All exterior walls
b. Interior classroom walls (floor plan)
c. Bathrooms
d. Ceilings

_____ 14. What size chilled water return piping should be connected to Air Handling Unit No. 4?

a. 1 1/4 inch
b. 1 1/2 inch
c. 2 inch
d. 2 1/2 inch

____ 15. The length of flexible duct connected to the diffusers/fire dampers used in the East Hall (location 125) is not to exceed _____ feet.

a. 8
b. 10
c. 4
d. 5

Copyright © 1997 National Center for Construction Education and Research and National Insulation Association. Permission is granted to reproduce this page provided that copies are for local use only and that each copy contains this notice.

NOTE ON PERFORMANCE PROFILE TESTING

Performance Profiles are included in this Instructor's Guide in a format that can be easily photocopied for each trainee. The Profiles measure trainee competency in the tasks taught in this module.

Please note the number of tasks to be tested while teaching this module. Each trainee should be tested on the tasks listed in the Performance Profile. Before the performance testing, the instructor should brief the trainees on:

- test objectives and criteria,
- safety precautions, and
- procedures for each task to be tested.

The instructor administering the performance testing should also do the following:

- ensure that all of the needed equipment is available and operating properly;
- set up the testing stations;
- organize and administer the test in a way that allows for optimal performance;
- complete the Performance Profile Sheet for each trainee by assigning a score for each listed task;
- monitor adherence to all safety regulations and precautions;
- provide adequate supervision to prevent injuries; and
- take immediate and effective action to remedy any emergency.

ACCREDITATION TESTING

If this Performance Profile Testing is done in the National Center for Construction Education and Research Standardized Craft Training Program, the following conditions must be met:

1. The Craft Instructor must hold valid NCCER instructor certification.
2. The training must be delivered through a Training Program Sponsor recognized by the NCCER.
3. For every module, the specific performance testing must be completed to the satisfaction of the instructor.
4. The results of the testing must be recorded on the Craft Training Report Form. This form must be provided to the local Training Program Sponsor to be forwarded to the NCCER National Craft Training Registry.

Craft: Insulating

Task Module Number: 19309

Task Module Title: Blueprints and Specifications

TRAINEE NAME: _____

TRAINEE SOCIAL SECURITY NUMBER: _____

CLASS: _____

TRAINING PROGRAM SPONSOR: _____

_____

INSTRUCTOR: _____

Rating Levels: 1. Passed: performed task.
2. Failed: did not perform task.

Recognition: When testing for the NCCER Standardized Craft Training Program, be sure to record Performance Profile testing results on Craft Training Report Form 200 and submit the results to the Training Program Sponsor.

TASK	RATING
1. Using a sample set of drawings, identify:	
• Plan view	
• Elevation view	
• Isometric	
• Flow diagram	

continued

Copyright © 1997 National Center for Construction Education and Research and National Insulation Association. Permission is granted to reproduce this page provided that copies are for local use only and that each copy contains this notice.

Craft: Insulating

Task Module Number: 19309

Task Module Title: Blueprints and Specifications

TASK	RATING
2. Using a sample specification, identify:	
• The type of base, securement, and finish materials required for the job.	
• The method of application for these materials.	
• The use of any approved alternate procedures or materials.	

Copyright © 1997 National Center for Construction Education and Research and National Insulation Association. Permission is granted to reproduce this page provided that copies are for local use only and that each copy contains this notice.

Answer Key to Module Examination

	Answer	Section
1	a	2.1.0
2.	b	2.2.0
3.	c	2.2.0
4.	c	2.3.0
5.	d	2.4.0
6.	c	2.4.0
7.	a	2.5.0
8.	b	2.6.0
9.	b	2.7.0
10.	c	2.1.0
11.	c	Drawing M7
12.	a	Drawing P1
13.	b	Drawing A1
14.	b	Drawings M1 and M6
15.	d	Drawing M4