

NOTE ON PERFORMANCE TESTING

Performance Profile Sheet(s) are included in a format that can be easily photocopied for each trainee. This examination is designed to measure competency in the tasks taught in each module.

Please note the number of tasks to be tested while teaching each module. Each trainee should be tested on all the tasks listed on the Performance Profile Sheet(s). Before performance testing, the instructor should brief the trainees on:

- Test objectives and criteria
- Safety precautions
- 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(s) for each trainee by assigning a pass/fail score for each listed task. Also, include the testing date, and start and end times for each task in the rating boxes.
- Monitor adherence to all safety regulations and precautions.
- Provide adequate supervision to prevent injuries.
- Take immediate and effective action to remedy any emergency.

Performance Testing

If Performance Testing is done as part of NCCER's 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 an Accredited Training Sponsor recognized by NCCER.
3. The specific performance testing must be completed successfully.
4. The results of the testing must be recorded on Training Report Form 200. This form must be provided to the local Accredited Training Sponsor to be forwarded to NCCER's Registry Department.

PERFORMANCE PROFILE SHEET



Craft: Plumbing Level Two

Module One: 02201-13 (Page 1 of 2)

Module Title: Plumbing Math Two

NCCER TRAINING

TRAINEE NAME: _____

TRAINING PROGRAM SPONSOR: _____

INSTRUCTOR: _____

Rating Levels: (1) Passed: performed task (2) Failed: did not perform task
Be sure to list the date the testing for each task was completed.

Recognition: When testing for the NCCER Training Program, record performance testing results on Training Report Form 200, and submit the results to your Training Program Sponsor.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
1	1. Verify the squareness of a corner using the 3-4-5 ratio.				
1	2. Lay out square corners using the 3-4-5 ratio.				
2	3. Calculate $11\frac{1}{4}$ -, $22\frac{1}{2}$ -, 45-, 60-, and 72-degree offsets.				
2	4. Calculate travel in an offset using a framing square.				
2	5. Determine the true offset using a framing square.				
2	6. Calculate travel on a rolling offset.				
2	7. Calculate a 45- and 90-degree angle using a plumber's folding rule.				

continued

Copyright © 2013 NCCER. Permission is granted to reproduce this page provided that copies are for local use only and that each copy contains this notice.

PERFORMANCE PROFILE SHEET



Craft: Plumbing Level Two

Module One: 02201-13 (Page 2 of 2)

Module Title: Plumbing Math Two

NCCER TRAINING

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
2	8. Calculate 11¼-, 22½-, 45-, 60-, and 72-degree parallel offsets.				
2	9. Calculate rolling offsets using constants for the angled fittings.				
2	10. Calculate 45-degree offsets around obstructions.				

PERFORMANCE PROFILE SHEET



Craft: Plumbing Level Two

Module Two: 02202-13

Module Title: Reading Commercial Drawings

NCCER TRAINING

TRAINEE NAME: _____

TRAINING PROGRAM SPONSOR: _____

INSTRUCTOR: _____

Rating Levels: (1) Passed: performed task (2) Failed: did not perform task
Be sure to list the date the testing for each task was completed.

Recognition: When testing for the NCCER Training Program, record performance testing results on Training Report Form 200, and submit the results to your Training Program Sponsor.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
1	1. Interpret information on a site plan as required by the instructor.				
2	2. Locate plumbing entry points on the site plan provided.				
2	3. Write an RFI based on a scenario provided by your instructor.				
3	4. Lay out fixture rough-ins using approved submittals and floor plans.				
4	5. Prepare a material takeoff for DWV and water supply systems.				
4	6. Draw an isometric sketch.				

Copyright © 2013 NCCER. Permission is granted to reproduce this page provided that copies are for local use only and that each copy contains this notice.

PERFORMANCE PROFILE SHEET

Craft: Plumbing Level Two

Module Three: 02203-13

Module Title: Structural Penetrations, Insulation, and
Fire-Stopping



NCCER TRAINING

TRAINEE NAME: _____

TRAINING PROGRAM SPONSOR: _____

INSTRUCTOR: _____

Rating Levels: (1) Passed: performed task (2) Failed: did not perform task
Be sure to list the date the testing for each task was completed.

Recognition: When testing for the NCCER Training Program, record performance testing results on Training Report Form 200, and submit the results to your Training Program Sponsor.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
1	1. Identify proper locations for cutting, boring, and sleeving based on applicable codes.				
3	2. Install common types of fire-stopping materials in penetrations through walls, floors, and ceilings.				

Copyright © 2013 NCCER. Permission is granted to reproduce this page provided that copies are for local use only and that each copy contains this notice.

PERFORMANCE PROFILE SHEET



Craft: Plumbing Level Two

Module Four: 02204-13

Module Title: Installing and Testing DWV Piping

NCCER TRAINING

TRAINEE NAME: _____

TRAINING PROGRAM SPONSOR: _____

INSTRUCTOR: _____

Rating Levels: (1) Passed: performed task (2) Failed: did not perform task
Be sure to list the date the testing for each task was completed.

Recognition: When testing for the NCCER Training Program, record performance testing results on Training Report Form 200, and submit the results to your Training Program Sponsor.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
1	1. Develop a material takeoff from a given set of plans.				
3	2. Demonstrate the ability to correctly size and install a building sewer and a building drain, and final connection.				
4, 5	3. Use plans and fixture rough-in sheets or rough-in book to determine the location of fixtures and route of the aboveground and underground plumbing, as required by the instructor.				
3	4. Locate the stack within the structure.				
4	5. Demonstrate an ability to install a DWV system using appropriate hangers and correct grade.				
6	6. Test a DWV system according to code.				

Copyright © 2013 NCCER. Permission is granted to reproduce this page provided that copies are for local use only and that each copy contains this notice.

PERFORMANCE PROFILE SHEET



Craft: Plumbing Level Two

Module Five: 02205-13

Module Title: Installing Roof, Floor, and Area Drains

NCCER TRAINING

TRAINEE NAME: _____

TRAINING PROGRAM SPONSOR: _____

INSTRUCTOR: _____

Rating Levels: (1) Passed: performed task (2) Failed: did not perform task
Be sure to list the date the testing for each task was completed.

Recognition: When testing for the NCCER Training Program, record performance testing results on Training Report Form 200, and submit the results to your Training Program Sponsor.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
1	1. Set the elevation for a floor drain, area drain, and floor sink using a builder's or laser level.				
2, 3	2. Install roof drains, floor drains, area drains, and floor sinks.				
4	3. Install waterproof membranes and flashing for a shower pan.				
5	4. Install a trap primer.				

Copyright © 2013 NCCER. Permission is granted to reproduce this page provided that copies are for local use only and that each copy contains this notice.

PERFORMANCE PROFILE SHEET



Craft: Plumbing Level Two

Module Six: 02206-13

Module Title: Installing and Testing Water Supply Piping

NCCER TRAINING

TRAINEE NAME: _____

TRAINING PROGRAM SPONSOR: _____

INSTRUCTOR: _____

Rating Levels: (1) Passed: performed task (2) Failed: did not perform task
Be sure to list the date the testing for each task was completed.

Recognition: When testing for the NCCER Training Program, record performance testing results on Training Report Form 200, and submit the results to your Training Program Sponsor.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
2	1. Correctly size and install a water service line including backflow preventer.				
2	2. Locate a water meter.				
1	3. Develop a water supply piping material takeoff from a given set of plans.				
1	4. Using instructor-provided plans and fixture rough-in sheets, determine the location of fixtures and the route of the water supply piping.				
4	5. Test a water supply system.				

Copyright © 2013 NCCER. Permission is granted to reproduce this page provided that copies are for local use only and that each copy contains this notice.

PERFORMANCE PROFILE SHEET



Craft: Plumbing Level Two

Module Seven: 02207-13

Module Title: Types of Valves

NCCER TRAINING

TRAINEE NAME: _____

TRAINING PROGRAM SPONSOR: _____

INSTRUCTOR: _____

Rating Levels: (1) Passed: performed task (2) Failed: did not perform task
Be sure to list the date the testing for each task was completed.

Recognition: When testing for the NCCER Training Program, record performance testing results on Training Report Form 200, and submit the results to your Training Program Sponsor.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
1	1. Identify the basic types of valves and their parts.				
2	2. Identify the functions of valves and their applications.				
3	3. Service various valves.				

Copyright © 2013 NCCER. Permission is granted to reproduce this page provided that copies are for local use only and that each copy contains this notice.

PERFORMANCE PROFILE SHEET



Craft: Plumbing Level Two

Module Eight: 02208-13

Module Title: Installing Fixtures and Valves

NCCER TRAINING

TRAINEE NAME: _____

TRAINING PROGRAM SPONSOR: _____

INSTRUCTOR: _____

Rating Levels: (1) Passed: performed task (2) Failed: did not perform task
Be sure to list the date the testing for each task was completed.

Recognition: When testing for the NCCER Training Program, record performance testing results on Training Report Form 200, and submit the results to your Training Program Sponsor.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
3	1. Test and protect a bathtub, a lavatory, and a water closet.				
3	2. Trim-out a bathtub, a lavatory, and a water closet.				

Copyright © 2013 NCCER. Permission is granted to reproduce this page provided that copies are for local use only and that each copy contains this notice.

PERFORMANCE PROFILE SHEET



Craft: Plumbing Level Two

Module Nine: 02209-13

Module Title: Installing Water Heaters

NCCER TRAINING

TRAINEE NAME: _____

TRAINING PROGRAM SPONSOR: _____

INSTRUCTOR: _____

Rating Levels: (1) Passed: performed task (2) Failed: did not perform task
Be sure to list the date the testing for each task was completed.

Recognition: When testing for the NCCER Training Program, record performance testing results on Training Report Form 200, and submit the results to your Training Program Sponsor.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
1	1. Identify the basic functions and components of water heaters.				
3	2. Install a water heater.				

Copyright © 2013 NCCER. Permission is granted to reproduce this page provided that copies are for local use only and that each copy contains this notice.

PERFORMANCE PROFILE SHEET



Craft: Plumbing Level Two

Module Ten: 02210-13

Module Title: Basic Electricity

NCCER TRAINING

TRAINEE NAME: _____

TRAINING PROGRAM SPONSOR: _____

INSTRUCTOR: _____

Rating Levels: (1) Passed: performed task (2) Failed: did not perform task
Be sure to list the date the testing for each task was completed.

Recognition: When testing for the NCCER Training Program, record performance testing results on Training Report Form 200, and submit the results to your Training Program Sponsor.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
1	1. Perform a continuity test on an electric water heater using an ohmmeter.				

Copyright © 2013 NCCER. Permission is granted to reproduce this page provided that copies are for local use only and that each copy contains this notice.

PERFORMANCE PROFILE SHEET



Craft: Plumbing Level Two

Module Eleven: 02211-13

Module Title: Fuel Gas and Fuel Oil Systems

NCCER TRAINING

TRAINEE NAME: _____

TRAINING PROGRAM SPONSOR: _____

INSTRUCTOR: _____

Rating Levels: (1) Passed: performed task (2) Failed: did not perform task
Be sure to list the date the testing for each task was completed.

Recognition: When testing for the NCCER Training Program, record performance testing results on Training Report Form 200, and submit the results to your Training Program Sponsor.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
3	1. Properly connect appliances to the fuel gas system.				
3	2. Perform an air test or visual inspection of a connected fuel gas system.				
3	3. Size and purge a fuel gas system.				
3	4. Verify pressure of a fuel gas system, using a manometer.				

Copyright © 2013 NCCER. Permission is granted to reproduce this page provided that copies are for local use only and that each copy contains this notice.