

NOTE ON PERFORMANCE TESTING

Performance Profile Sheet(s) are included in a format that can be easily photocopied for each trainee. Performance tests are 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 for each task in the rating box.
- 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 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 for the craft being tested.
2. The training must be delivered through a Accredited Training Sponsor recognized by 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 Training Report Form 200. This form must be provided to the local Accredited Training Sponsor to be forwarded to the NCCER National Registry.

**Module 15101-06 has no Performance Profile Sheet;
no performance testing is required for this module.**

Craft: Millwright

Module Number: 15102-06

Module Title: Millwright Hand Tools



TRAINEE NAME: _____

TRAINEE SOCIAL SECURITY NUMBER: _____

CLASS: _____

TRAINING PROGRAM SPONSOR: _____

INSTRUCTOR: _____

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

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

Objective	TASK	RATING
2, 3	1. Demonstrate the use and care of the following millwright hand tools:	
	<ul style="list-style-type: none"> • Strap wrenches/chain wrenches 	
	<ul style="list-style-type: none"> • Spanner wrenches 	

continued

Craft: Millwright

Module Number: 15102-06

Module Title: Millwright Hand Tools



Objective	TASK	RATING
	<ul style="list-style-type: none"> • Taper gauges 	
	<ul style="list-style-type: none"> • Pipe and tubing cutters 	
	<ul style="list-style-type: none"> • Honing stones 	
	<ul style="list-style-type: none"> • Putty knives/scrapers 	
	<ul style="list-style-type: none"> • Drift pins 	
	<ul style="list-style-type: none"> • Mallets 	
	<ul style="list-style-type: none"> • Diagonal cutters 	
	<ul style="list-style-type: none"> • Tin snips 	
	<ul style="list-style-type: none"> • Taps and dies 	
	<ul style="list-style-type: none"> • Thread gauges 	
	<ul style="list-style-type: none"> • Scribes 	
	<ul style="list-style-type: none"> • Tension meters 	
	<ul style="list-style-type: none"> • Sheave gauges 	
	<ul style="list-style-type: none"> • Cylinder hones 	
	<ul style="list-style-type: none"> • Gear pullers 	

continued

Craft: Millwright

Module Number: 15102-06

Module Title: Millwright Hand Tools



Objective	TASK	RATING
	<ul style="list-style-type: none"> • Packing pullers 	
	<ul style="list-style-type: none"> • Reamers 	
	<ul style="list-style-type: none"> • Inspection mirrors 	
	<ul style="list-style-type: none"> • Retaining ring pliers 	
	<ul style="list-style-type: none"> • Spiral screw extractors 	
	<ul style="list-style-type: none"> • Tap extractors 	
	<ul style="list-style-type: none"> • Feeler gauges 	
	<ul style="list-style-type: none"> • Sleever and alignment bars 	

Craft: Millwright

Module Number: 15103-06

Module Title: Fasteners and Anchors



TRAINEE NAME: _____

TRAINEE SOCIAL SECURITY NUMBER: _____

CLASS: _____

TRAINING PROGRAM SPONSOR: _____

INSTRUCTOR: _____

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

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

Objective	TASK	RATING
5	1. Install threaded fasteners.	
5	2. Install nonthreaded fasteners.	
5	3. Install fasteners in hardened concrete.	
5	4. Tighten bolts in sequence using proper torque values.	

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Craft: Millwright
Module Number: 15104-06
Module Title: Basic Layout



TRAINEE NAME: _____

TRAINEE SOCIAL SECURITY NUMBER: _____

CLASS: _____

TRAINING PROGRAM SPONSOR: _____

INSTRUCTOR: _____

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

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

Objective	TASK	RATING
2, 3	1. Lay out perpendicular lines from a reference line using:	
	<ul style="list-style-type: none"> • Arc method 	
	<ul style="list-style-type: none"> • 3-4-5 method 	

continued

Craft: Millwright

Module Number: 15104-06

Module Title: Basic Layout



Objective	TASK	RATING
4 – 9	2. Scribe the following:	
	<ul style="list-style-type: none"> • Straight lines 	
	<ul style="list-style-type: none"> • Perpendicular lines to a base line using a square 	
	<ul style="list-style-type: none"> • Perpendicular lines to an edge using a combination square 	
	<ul style="list-style-type: none"> • Angled lines using a combination square 	
	<ul style="list-style-type: none"> • Angled lines using a protractor 	
	<ul style="list-style-type: none"> • Circles using dividers 	
	<ul style="list-style-type: none"> • Perpendicular lines from base lines using dividers 	
	<ul style="list-style-type: none"> • Perpendicular lines from base lines using reference points 	
10	3. Bisect lines using dividers.	
11	4. Divide lines into equal parts.	
12	5. Divide circles into equal parts.	
13	6. Lay out equipment locations.	

Craft: Millwright

Module Number: 15105-06

Module Title: Gaskets and O-Rings



TRAINEE NAME: _____

TRAINEE SOCIAL SECURITY NUMBER: _____

CLASS: _____

TRAINING PROGRAM SPONSOR: _____

INSTRUCTOR: _____

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

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

Objective	TASK	RATING
3	1. Perform a quantity takeoff from a flange.	
3	2. Lay out the gasket on the gasket material.	
3	3. Cut the gasket inside and outside diameters.	

continued

Craft: Millwright

Module Number: 15105-06

Module Title: Gaskets and O-Rings



Objective	TASK	RATING
3	4. Cut the bolt holes.	
3	5. Install the gasket and flange bolts.	
3	6. Tighten the flange bolts.	

Craft: Millwright

Module Number: 15106-06

Module Title: Oxyfuel Cutting



TRAINEE NAME: _____

TRAINEE SOCIAL SECURITY NUMBER: _____

CLASS: _____

TRAINING PROGRAM SPONSOR: _____

INSTRUCTOR: _____

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

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

Objective	TASK	RATING
1-5	1. Set up, ignite, adjust, and shut down oxyfuel equipment.	
8	2. Use oxyfuel equipment to cut a shape from thick steel.	
8	3. Use oxyfuel equipment to perform washing.	
3	4. Perform a drop test.	

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