

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 23201 has no Performance Profile Sheet;
no performance testing is required for this module.**

Craft: Concrete Finishing

WHEELS

Task Module Number: 23202

OF

Task Module Title: Estimating Concrete Quantities

LEARNING

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, 3	1. Calculate the volume of a concrete test cylinder mold in cubic feet and cubic meters.	
3	2. Calculate the volume and weight of concrete required to fill the mold.	
2, 3	3. Estimate the quantity of concrete required for the slab under the floor of the house in the drawings in Appendix B.	

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Craft: Concrete Finishing	WHEELS OF LEARNING
Task Module Number: 23203	
Task Module Title: Forming	

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	1. Set batter boards at a given location on building corners.	
2	2. Set building layout from plans using string lines and stakes. Tie onto batter boards.	
1, 2	3. Build a 2 × 2-foot footer form on grade with overlapping corners.	

continued

Craft: Concrete Finishing	WHEELS OF LEARNING
Task Module Number: 23203	
Task Module Title: Forming	

Objective	TASK	RATING
1, 3	4. Construct wood job-built formwork for a wall 4 feet high, 1 foot thick, and 8 feet long. Use through-wall ties and bracing.	
1	5. Set, level, and brace a premanufactured column form.	

Craft: Concrete Finishing	WHEELS OF LEARNING
Task Module Number: 23204	
Task Module Title: Site Concrete	

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 Training Program Sponsor.

Objective	TASK	RATING
1	1. Lay out prefabricated forms for a section of barrier curb and gutter. Align forms and set to grade.	
1	2. Estimate the amount of concrete needed to fill the formwork. Place and finish the concrete.	
1, 3	3. Lay out a 4-foot radius outside curve. Set construction stakes for formwork.	

continued

Craft: Concrete Finishing	WHEELS OF LEARNING
Task Module Number: 23204	
Task Module Title: Site Concrete	

Objective	TASK	RATING
2	4. Given the total rise and run of a set of stairs, calculate the tread and riser dimensions.	
2	5. Build wood formwork for a 3-step set of stairs on grade with a top landing.	
2	6. Place and finish concrete for a 3-step set of stairs with a top landing.	

Craft: Concrete Finishing	WHEELS OF LEARNING
Task Module Number: 23205	
Task Module Title: Architectural Finishes	

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.

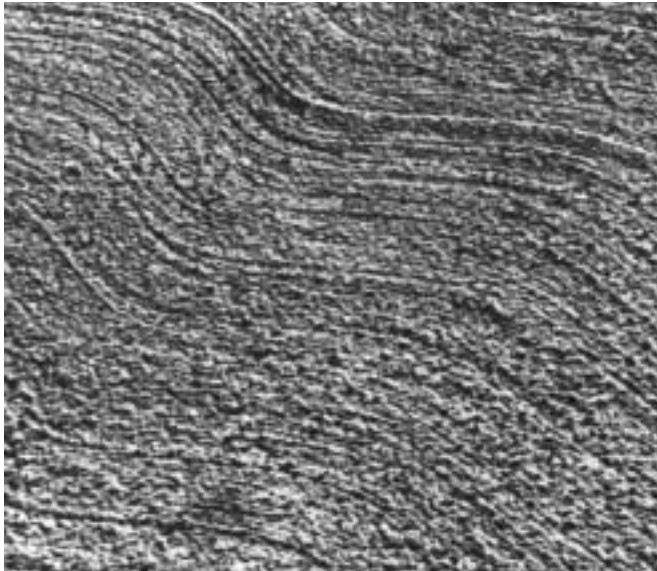
Recognition: When testing for the NCCER Standardized Craft Training Program, be sure to record Performance testing results on Craft Training Report Form 200, and submit the results to the Training Program Sponsor.

Objective	TASK	RATING
1, 2	1. Identify a minimum of four architectural finishes by looking at a set of photographs of concrete surfaces.	
3	2. Apply two separate color shakes to adjacent surfaces without mixing the colors.	

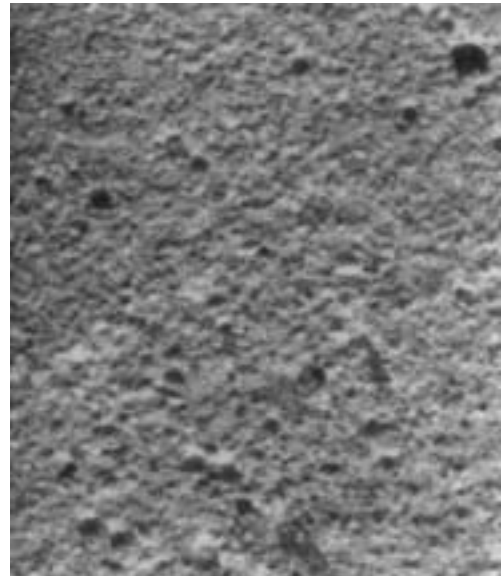
continued

Craft: Concrete Finishing	WHEELS OF LEARNING
Task Module Number: 23205	
Task Module Title: Architectural Finishes	

Objective	TASK	RATING
3	3. Use the seeding method to place exposed aggregate.	
3	4. Use the water washing technique to remove surface paste and expose aggregate..	



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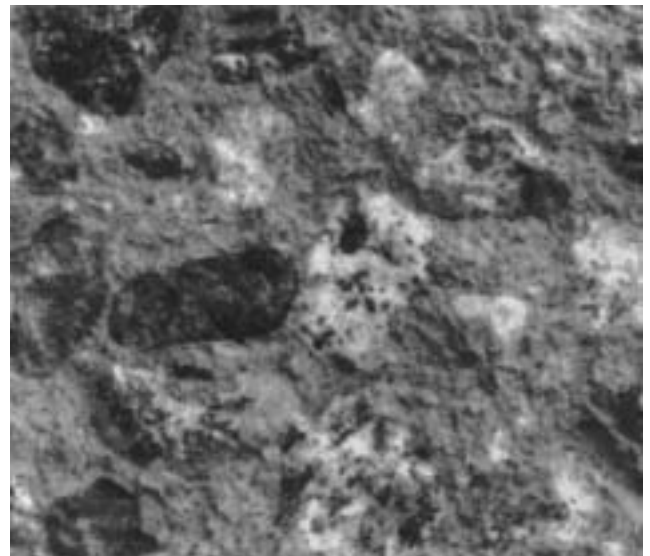
205IG02.TIF

Example 1. _____

Example 2. _____



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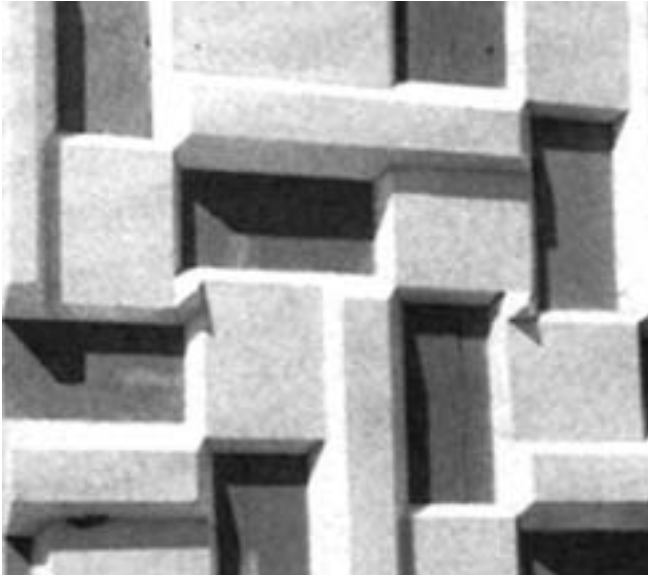


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Example 3. _____

Example 4. _____

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Example 5. _____

Example 6. _____



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Example 7. _____

Example 8. _____

Craft: Concrete Finishing	WHEELS OF LEARNING
Task Module Number: 23206	
Task Module Title: Industrial Floors	

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 Training Program Sponsor.

Objective	TASK	RATING
1	1. Using dimensional lumber, lay out, install, and set an 8-inch deep concrete form to grade and elevation with the use of an optical level and level rod.	
1	2. Use drawings to locate the correct place for dowel assemblies in concrete slab.	
1	3. Drill two holes and insert two dowels.	

continued

Craft: Concrete Finishing	WHEELS OF LEARNING
Task Module Number: 23206	
Task Module Title: Industrial Floors	

Objective	TASK	RATING
1	4. Apply release agent to dowels.	
1	5. Place a wet screed to grade using an optical level and level rod.	
1	6. Place a wet screed to grade using a laser level and level rod.	
2	7. Place, consolidate, and screed a concrete slab to a given elevation.	
2	8. Use a highway straightedge to remove high areas and fill low areas of a slab.	

Craft: Concrete Finishing	WHEELS OF LEARNING
Task Module Number: 23207	
Task Module Title: Superflat Floors	

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 and 2	1. Set a 20-foot wooden edge form on grade to a specified elevation and check the top of the form for flatness with a highway straightedge. Mark areas that are not true.	
1 and 2	2. Using a floor plan and rack layout, prepare a placing sequence for a defined-traffic floor.	

continued

Craft: Concrete Finishing	WHEELS OF LEARNING
Task Module Number: 23207	
Task Module Title: Superflat Floors	

Objective	TASK	RATING
	3. Mark grid lines on a floor slab for measuring guides.	
2 and 3	4. Use a dipstick to take measurements for flatness and levelness.	
3	5. Identify areas in the floor section that are out of tolerance and mark the areas for grinding.	

Craft: Concrete Finishing	WHEELS OF LEARNING
Task Module Number: 23208	
Task Module Title: Surface Treatments	

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	1. Apply an even-colored finish to a wet surface.	
2	2. Uniformly broadcast and work with a mineral hardener.	
2	3. Uniformly broadcast and work with a metallic hardener.	

continued

Craft: Concrete Finishing	WHEELS OF LEARNING
Task Module Number: 23208	
Task Module Title: Surface Treatments	

Objective	TASK	RATING
3	3. Properly use shotblasting or equivalent equipment to prepare a surface to a specified concrete surface profile.	
3	4. Properly clean a surface after using shotblasting or equivalent equipment.	

Craft: Concrete Finishing	WHEELS OF LEARNING
Task Module Number: 23209	
Task Module Title: Quality Control	

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, 2	1. Sample concrete according to ASTM standard 172. Prepare a test cylinder according to ASTM standard C31.	
1, 2	2. Perform a slump test according to ASTM standard C143.	

continued

Craft: Concrete Finishing	WHEELS OF LEARNING
Task Module Number: 23209	
Task Module Title: Quality Control	

Objective	TASK	RATING
1, 2	3. Perform a yield test and calculate yield, unit weight, and air content according to ASTM standard C138.	
3	4. Correctly identify at least four of six sizes of rebar according to bar markings.	

Craft: Concrete Finishing	WHEELS OF LEARNING
Task Module Number: 23210	
Task Module Title: Making Repairs	

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 Training Program Sponsor.

Objective	TASK	RATING
1, 2	1. Patch a crack and cure it.	
4	2. Sack rub a discolored patch and cure it.	
2	3. Cut and fill a joint and cure it.	