

Craft: Construction Technology
Module Number: 68101-09
Module Title: Site Layout One: Distance Measurement and Leveling



Contren® Learning Series

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	1. Interpret a construction site/plot drawing and relate the man-made and topographic features and other project information to the layout and topography of the actual site.	
2	2. Convert measurements given in feet and inches to equivalent decimal measurements stated in feet, tenths, and hundredths, and vice versa.	

continued

Craft: Construction Technology
Module Number: 68101-09
Module Title: Site Layout One: Distance Measurement and Leveling



Contren® Learning Series

Objective	TASK	RATING
3, 4	3. Properly use taping equipment and procedures to make distance and site layout measurements.	
5	4. Determine approximate distances by pacing.	
6	5. Set up, adjust, and field test a leveling instrument.	
7	6. Use a builder’s level, leveling rods, and differential leveling procedures to determine site and building elevations.	
8	7. Record differential leveling data in field notes in accordance with accepted practices.	
7	8. Use differential leveling and distance measurement procedures to transfer elevations up a structure.	
9	9. Check and/or establish 90-degree angles using the 3-4-5 rule.	

Craft: Construction Technology

Module Number: 68102-09

**Module Title: Introduction to Concrete,
Reinforcing Materials, and Forms**



Contren® Learning Series

TRAINEE NAME: _____

TRAINEE SOCIAL SECURITY NUMBER: _____

CLASS: _____

TRAINING PROGRAM SPONSOR: _____

INSTRUCTOR: _____

Rating Levels: (1) Passed: performed task (2) Failed: did not perform task
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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 volume estimates for concrete quantity requirements.	
8	2. Construct a simple concrete form with reinforcement.	

Craft: Construction Technology

Module Number: 68103-09

Module Title: Handling and Placing Concrete



Contren® Learning Series

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. Properly handle, place, and consolidate concrete in selected concrete forms.	
4	2. Use a screed to strike off and level a concrete surface.	
5	3. Use a bullfloat and/or darby to level and smooth a concrete surface.	

continued

Craft: Construction Technology

Module Number: 68103-09

Module Title: Handling and Placing Concrete



Contren® Learning Series

Objective	TASK	RATING
5	4. Use an edger to form a radius at the edges of a concrete pad, slab, etc.	
5	5. Use a jointer to make control joints in a concrete surface.	
5	6. Use a hand float and finishing trowel to level high spots, remove imperfections, and smooth a concrete surface.	

Craft: Construction Technology

Module Number: 68104-09

Module Title: Introducton to Masonry



Contren® Learning Series

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 Accredited Training Sponsor.

Objective	TASK	RATING
7	1. Put on eye protection, respiratory protection, and a safety harness.	
6	2. Demonstrate the ability to properly use a trowel to spread and furrow bed joints and butter head joints.	

Craft: Construction Technology

Module Number: 68105-09

Module Title: Masonry Units and Installation Techniques



Contren® Learning Series

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. Lay a dry bond.	
6	2. Accurately cut masonry units with a brick set and masonry hammer, a block set and mash, and a masonry hammer, power saw, and splitter.	
4	3. Spread, edge, and furrow bed joints.	
4	4. Butter bricks and blocks and place them on a bed joint.	

continued

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Craft: Construction Technology

Module Number: 68105-09

Module Title: Masonry Units and Installation Techniques



Contren® Learning Series

Objective	TASK	RATING
7	5. Lay masonry units in courses that are true for height, level, plumb, and straightness.	
7	6. Build a rackback corner lead.	
7	7. Lay masonry units to the line.	

Craft: Construction Technology

Task Module Number: 68106-09

Task Module Title: Floor Systems



Contren® Learning Series

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.

Objective	TASK	RATING
1	1. Identify the different types of framing systems.	
2	2. Read and understand drawings and specifications to determine floor system requirements.	
3	3. Identify floor and sill framing and support members.	

continued

Craft: Construction Technology

Task Module Number: 68106-09

Task Module Title: Floor Systems



Contren® Learning Series

Objective	TASK	RATING
4, 6, 11, 13	4. Lay out and construct a floor assembly.	
8, 13	5. Install bridging.	
6, 11, 13	6. Install joists for a cantilever floor.	
9, 11, 13	7. Install or describe how to install a subfloor using butt-joint plywood/OSB panels.	
9, 11, 13	8. Install a single floor system using tongue-and-groove plywood/OSB panels.	
12	9. Estimate the amount of materials needed to frame a floor assembly.	
5	10. Given specific floor load and span data, select the proper girder/beam size from a list of available girders/beams.	
7	11. Given specific floor load and span data, select the proper joist size from a list of available joists.	

Craft: Construction Technology

Task Module Number: 68107-09

Task Module Title: Wall and Ceiling Framing



Contren® Learning Series

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.

Objective	TASK	RATING
1, 2, 5	1. Lay out wall and partition locations on a floor using a blueprint as a guide.	
2, 5	2. Cut studs, trimmers, cripples, and headers to dimension.	
2, 5	3. Assemble corners, partition T's, and headers.	
5	4. Construct and erect wall sections, including sheathing.	
8, 9	5. Lay out and install ceiling joists.	

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Craft: Construction Technology

Task Module Number: 68108-09

Task Module Title: Roof Framing



Contren® Learning Series

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.

Objective	TASK	RATING
5, 7	1. Lay out rafter locations on a top plate.	
2, 5, 7	2. Lay out, cut, and erect rafters for a gable roof.	
2, 5, 7	3. Frame a gable end with vent openings.	
5, 8	4. Frame an opening in a roof.	
11	5. Apply roof sheathing.	
4, 7	6. Erect trusses for a gable roof.	

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Craft: Construction Technology

Module Number: 68109-09

Module Title: Roofing Applications



Contren® Learning Series

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. Install fiberglass shingles on gable and hip roofs.	
4	2. Close up a valley using fiberglass shingles.	
6	3. Complete the proper cuts and install the main and hip ridge caps using fiberglass shingles.	
7	4. Lay out, cut, and install a cricket or saddle.	

continued

Craft: Construction Technology

Module Number: 68109-09

Module Title: Roofing Applications



Contren® Learning Series

Objective	TASK	RATING
8	5. Install wood shingles and shakes on roofs.	
11	6. Complete the cuts and install the main and hip ridge caps using wood shakes/shingles.	
12	7. Demonstrate the techniques for installing other selected types of roofing materials.	

Craft: Construction Technology

Module Number: 68110-09

Module Title: Exterior Finishing



Contren® Learning Series

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. Install a selected cornice or box cornice using the proper safety precautions.	
3	2. Estimate the amount of lap or panel siding required for a structure.	
9	3. Install three of the most common siding types in your area.	

Craft: Construction Technology

Task Module Number: 68111-09

Task Module Title: Basic Stair Layout



Contren® Learning Series

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.

Objective	TASK	RATING
5	1. For a stairway of given dimensions, determine the total rise, the number and size of the risers, and the number and size of the treads.	
4	2. Interpret construction drawings of stairs.	
6	3. Lay out and cut stringers, risers, and treads.	
7	4. Construct a staircase according to a specific plan.	
7	5. Install a temporary handrail in accordance with code at the proper height.	

Craft: Construction Technology

Module Number: 68112-09

Module Title: Electrical Safety



Contren® Learning Series

TRAINEE NAME: _____

TRAINEE SOCIAL SECURITY NUMBER: _____

CLASS: _____

TRAINING PROGRAM SPONSOR: _____

INSTRUCTOR: _____

Rating Levels: (1) Passed: performed task (2) Failed: did not perform task
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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	1. Perform a visual inspection on various types of ladders.	
1	2. Set up a ladder properly to perform a task.	
1	3. Properly don a harness.	

continued

Craft: Construction Technology

Module Number: 68112-09

Module Title: Electrical Safety



Contren® Learning Series

Objective	TASK	RATING
3, 4, 5	4. Perform a hazard assessment of a job such as replacing the lights in your classroom.	
	<ul style="list-style-type: none"> • Discuss the work to be performed and the hazards involved. 	
	<ul style="list-style-type: none"> • Locate the closest phone to the work site and ensure that the local emergency telephone numbers are either posted at the phone or known by you and your partner(s). 	
	<ul style="list-style-type: none"> • Plan an escape route from the location in the event of an accident. 	

Craft: Construction Technology

Module Number: 68113-09

Module Title: Residential Electrical Services



Contren® Learning Series

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, 4, 6, 7, 8	1. For a residential dwelling of a given size, and equipped with a given list of major appliances, demonstrate or explain how to:	
	• Compute the lighting, small appliance, and laundry loads.	
	• Compute the loads for large appliances.	
	• Determine the number of branch circuits required.	
	• Size and select the service-entrance equipment (conductors, panelboard, and protective devices).	

continued

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Craft: Construction Technology

Module Number: 68113-09

Module Title: Residential Electrical Services



Contren® Learning Series

Objective	TASK	RATING
1, 2	2. Using an unlabeled diagram of a panelboard (Performance Profile Sheet 3), label the lettered components.	
8	3. Select the proper type and size outlet box needed for a given set of wiring conditions.	

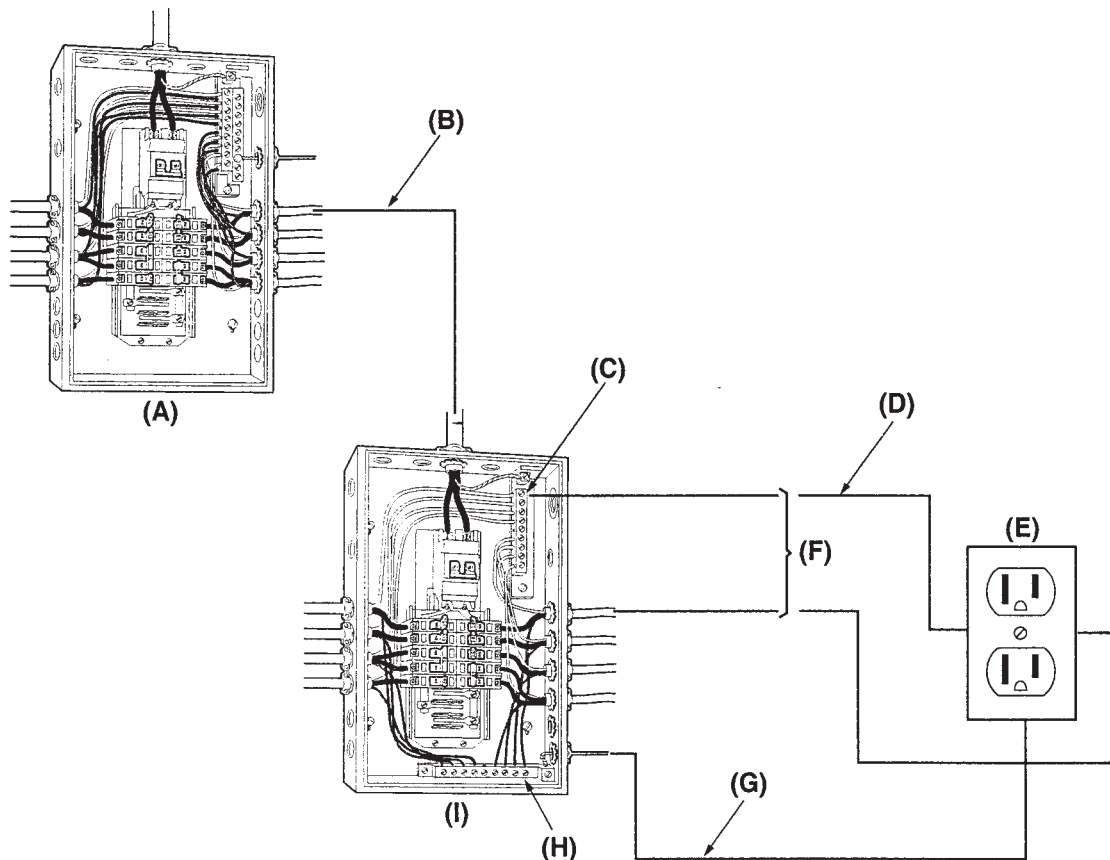
Craft: Construction Technology

Module Number: 68113-09

Module Title: Residential Electrical Services



Contren® Learning Series



Identify the Components:

- (A) _____
- (B) _____
- (C) _____
- (D) _____
- (E) _____
- (F) _____
- (G) _____
- (H) _____
- (I) _____

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Craft: Construction Technology

Module Number: 68114-09

Module Title: Introduction to HVAC



Contren® Learning Series

TRAINEE NAME: _____

TRAINEE SOCIAL SECURITY NUMBER: _____

CLASS: _____

TRAINING PROGRAM SPONSOR: _____

INSTRUCTOR: _____

Rating Levels: (1) Passed: performed task (2) Failed: did not perform task
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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
7	1. Identify the following within a HVAC drawing provided by the instructor:	
	• Piping	
	• Air-handling equipment	
	• AC System(s)	
	• HVAC component diagram	
	• Schematics	

Craft: Construction Technology

Module Number: 68115-09

**Module Title: Introduction to Drain, Waste,
and Vent (DWV) Systems**



Contren® Learning Series

TRAINEE NAME: _____

TRAINEE SOCIAL SECURITY NUMBER: _____

CLASS: _____

TRAINING PROGRAM SPONSOR: _____

INSTRUCTOR: _____

Rating Levels: (1) Passed: performed task (2) Failed: did not perform task
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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. Sketch a simple DWV system, label its components, and size the pipe.	

Craft: Construction Technology

Module Number: 68116-09

Module Title: Plastic Pipe and Fittings



Contren® Learning Series

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. Select correct types of materials for plastic piping systems.	
3	2. Identify types of fittings and valves and their uses.	
7	3. Select the appropriate personal protective equipment for working with plastic piping.	
6	4. Correctly measure, cut, and join plastic piping.	
4, 5	5. Select the correct hanger or support for the application.	

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Craft: Construction Technology

Module Number: 68117-09

Module Title: Copper Pipe and Fittings



Contren® Learning Series

TRAINEE NAME: _____

TRAINEE SOCIAL SECURITY NUMBER: _____

CLASS: _____

TRAINING PROGRAM SPONSOR: _____

INSTRUCTOR: _____

Rating Levels: (1) Passed: performed task (2) Failed: did not perform task
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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. Select correct types of materials for copper piping systems.	
3	2. Identify types of fittings and valves and their uses.	
6	3. Select the appropriate personal protective equipment for working with copper piping.	
5	4. Correctly measure, cut, ream, join, and groove copper piping.	
4	5. Select the correct hanger or support for the application.	

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