

Standards Institute (ANSI) hand signals.

MODULE G: BASIC COMMUNICATION SKILLS
(SDE Requirement)

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1. Explain techniques for communicating effectively with coworkers and supervisors.
2. Demonstrate verbal and written communication skills necessary in the workplace.
3. Demonstrate telephone and e-communication skills necessary in the workplace.

MODULE H: BASIC EMPLOYABILITY SKILLS
(SDE Requirement)

3 2 1 N

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1. Identify the roles of individuals and companies in the construction industry.
2. Explain the importance critical thinking and problem solving skills in the workplace.
3. Describe computer systems and their industry applications.
4. Explain interpersonal relationship skills, self-presentation, and key workplace issues such as sexual harassment, stress, and substance abuse.

CARPENTRY STANDARDS 1, 2, 3, AND 4

UNIT A: DEMONSTRATING BASIC BUILDING SITE PREPARATION SKILLS

3 2 1 N

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1. Describe the major responsibilities of the contractor/carpenter relative to site layout.
2. Use and properly maintain tools and equipment associated with taping.
3. Use taping and/or chaining equipment and procedures to make distance measurements and perform site layout tasks.
4. Recognize, use, and properly care for tools and equipment associated with differential leveling.
5. Use a builder's level or laser level or

transit and differential leveling procedures to determine site and building elevations.

6. Check and/or establish 90-degree angles using the 3/4/5 rule.

UNIT B: DEMONSTRATING SKILLS NECESSARY TO CONSTRUCT AND SET CONCRETE FORMS

3 2 1 N

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1. Install anchor bolts/foundation ties.

UNIT C: DEMONSTRATING FLOOR FRAMING SKILLS WITH METAL OR WOOD

3 2 1 N

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1. Understand current terms associated with floor framing.
2. Select and use metal framing connectors.
3. Lay out a floor frame.
4. Cut and install sill plates.
5. Install posts and columns.
6. Frame and install a built-up girder/beam.
7. Cut and install floor joists and bridging.
8. Frame floor openings.
9. Install a subfloor.

UNIT D: DEMONSTRATING WALL FRAMING SKILLS WITH METAL OR WOOD

3 2 1 N

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1. Understand current terms associated with wall framing.
2. Select and use metal framing connectors.
3. Lay out a wall frame.
4. Construct corner posts and T-posts.
5. Frame and align an exterior wall.
6. Frame and align a partition wall.
7. Install backing for fixtures or cabinets.
8. Build a box beam.
9. Install structural sheathing.
10. Anchor a partition.
11. Frame wall openings.

UNIT E: INTERPRETING AND DEMONSTRATING USE OF ARCHITECTURAL BLUEPRINTS

3 2 1 N

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1. Read and interpret blueprints and specifications.

UNIT F: DEMONSTRATING ROOF AND CEILING FRAMING SKILLS WITH METAL OR WOOD

3 2 1 N

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1. Understand current terms associated with roof and ceiling framing.
2. Select and use metal framing connectors.
3. Lay out a ceiling frame.
4. Cut and install ceiling joists.
5. Cut and install ceiling joist strongbacks.
6. Frame ceiling openings.
7. Lay out roof openings.
8. Cut and install rafters.
9. Cut and install a ridgeboard.
10. Frame roof openings.
11. Frame gable ends.
12. Cut and install collar ties.
13. Install roof trusses.
14. Install roof sheathing.
15. Lay out common rafters.

UNIT G: DEMONSTRATING SKILLS REQUIRED TO INSTALL ROOFING MATERIALS

3 2 1 N

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1. Apply roof felt paper.
2. Install asphalt composition shingles.
3. Install flashing.
4. Install ridge vent.

UNIT H: DEMONSTRATING EXTERIOR FINISHING SKILLS

3 2 1 N

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1. Install exterior sheathing.
2. Install exterior finish materials.
3. Frame a boxed cornice.
4. Install a window unit.
5. Install exterior doors and lock sets.
6. Install exterior trim.
7. Install door and window flashing.

UNIT I: DEMONSTRATING INTERIOR FINISHING SKILLS

3 2 1 N

- — — — 1. Install paneling products.
- — — — 2. Cut and install furring.
- — — — 3. Install drywall board.
- — — — 4. Install interior doors.
- — — — 5. Cut and install finish flooring.
- — — — 6. Cut and install interior trim.

UNIT J: DEMONSTRATING SKILLS REQUIRED TO CONSTRUCT STEPS

3 2 1 N

- — — — 1. Lay out and cut straight-run stringers.
- — — — 2. Cut and install risers and treads.