

# LATHER (WOOD, WIRE AND METAL)

## APPENDIX A

O\*NET CODE 47-2031.01

This training outline is a minimum standard for Work Processes and Related Instruction. Changes in technology and regulations may result in the need for additional on-the-job or classroom training.

### WORK PROCESSES

#### Approximate Hours

#### **A. Installing Metal Lath and Accessories** **1600**

1. Setting up pipe scaffolding, as needed.
2. Safety training for working on scaffolding.
3. Erecting metal framework to receive lath, as required, using fasteners and hand/power tools.
4. Applying metal lath on ceilings, pilasters, columns, and partitions.
5. Applying all metal lathing accessories, including:
  - a. metal corner beads & guards and expansion beads
  - b. casing beads and plaster stops
  - c. picture mold
  - d. base screed
  - e. metal base
  - f. ceiling tracks
  - g. access doors
  - h. other similar accessories attached before plastering
  - i. insulation.
6. Leveling lath and accessories, using laser or water level.

#### **B. Installing Pre-Plastering Materials** **1240**

1. Installing gypsum lath and exterior lathing material, using fasteners and hand/power tools.
2. Installing metal lath or any material used as a base for plaster acoustical material.
3. Installing cornerites, beads, stops, all other accessories.
4. Applying insulation.

5. Installing veneer board on all ceilings and all necessary accessories.

**C. Installing Ceiling Suspension Systems** **1000**

1. Installing plaster ceiling systems in their entirety (exclusive of actual plastering).
2. Installing concealed systems requiring carrying channels.
3. Applying exposed grid systems; fire-rated exposed grid systems, and fire-rated semi-exposed grid systems.
4. Applying insulation.

**D. Bending and Fabricating All Reinforcing Steel Used in Concrete** **2900**

1. Reading blueprints/sketches to determine what materials are needed.
2. Unloading, handling, storing materials.
3. Cutting rebar or wire mesh using saw, shears, bar cutters, cutting torch.
4. Tag writing.
5. Bending materials, using hand tools or machine.
6. Welding rebar members together.
7. Installing post-tension systems.

**E. Blueprint Reading and Layout for Reinforcing Work** **500**

1. Reading blueprints/sketches to determine positions of reinforcing members.
2. Placing rebar in concrete forms, tying together securely at specified intervals, using wire and pliers or nippers.
3. Placing blocks under rebar to keep it at required height as concrete is poured.
4. Placing wire mesh in proper and secure position as concrete is poured.
5. Servicing the concrete pour to ensure rebar is secured in proper position.

**F. Rigging and Signaling** **760**

Erecting or lifting with all types cranes:

1. Determining swing radius and capacity
2. Erecting, disassembling, inspecting cranes
3. Using proper hand signals.

**Approximate Total Hours            8000**

*Apprenticeship work processes are applicable only to training curricula for apprentices in approved programs. Apprenticeship work processes have no impact on classification determinations under Article 8 or 9 of the Labor Law. For guidance regarding classification for purposes of Article 8 or 9 of the Labor Law, please refer to <https://dol.ny.gov/public-work-and-prevailing-wage>*

## **LATHER (WOOD, WIRE AND METAL)**

### **APPENDIX B**

#### **RELATED INSTRUCTION**

##### **Safety**

1. General construction site safety
2. OSHA 10- and 30-Hour Construction Course
3. Hand signals for construction sites
4. Proper lifting techniques
5. Fall protection (ladder and personnel lift safety)
6. Scaffold safety
7. Proper use of personal protective equipment, including respirator
8. Safely working with machines
9. Safe use, storage, disposal of trade chemicals (including familiarization with Safety Data Sheets (SDS))
10. Protection from sun's rays
11. Avoiding repetitive motion injuries
12. Asbestos awareness – minimum 4 hours (see attachment)
13. First aid/CPR – minimum 6.5 hours every year

##### **Blueprints**

1. Fundamentals of blueprint reading and sketching
2. Blueprint reading for the building trades
3. Building codes, specifications, templates

##### **Mathematics**

1. Fundamentals
2. Trade math

##### **Trade Theory and Science**

1. Proper use, care, and maintenance of tools, machines, equipment
2. Materials of the trade
3. Terminology
4. Lathing methods and techniques

5. Reinforcing work
6. Post-tension principles and applications
7. Voided slabs
8. Cutting and burning
9. Welding
10. Rigging and signaling

### **Workforce Skills**

1. Industrial and Labor Relations (20 hours)
  - a. History and background (6 hours, first year)
  - b. Current laws and practices (14 hours, second year)
2. Teamwork skills
3. Sexual Harassment Prevention Training – must comply with section 201-g of the Labor Law

### **Other Related Courses as Necessary**

A total of 726 hours of Related Instruction is required for each apprentice during the course of the apprenticeship.

Appendix B topics are approved by New York State Education Department.

## ATTACHMENT TO APPENDIX B

### Asbestos Awareness

This course must be delivered by one of the following:

1. A provider currently approved by the New York State Department of Health to deliver asbestos safety training.
2. A person holding a current Asbestos Handler certificate from the New York State Department of Labor in the title of: Inspector, Supervisor, Project Monitor, Management Planner, or Project Designer.
3. Anyone otherwise approved by the New York State Education Department.

Minimum course contents must include the following:

1. Definition of asbestos
2. Types and physical characteristics
3. Uses and applications
4. Health effects:
  - a. Asbestos-related diseases
  - b. Risks to families
  - c. Cigarette smoking
  - d. Lack of safe exposure level
5. Employer-specific procedures to follow in case of potential exposure, including making a supervisor or building owner immediately aware of any suspected incidental asbestos disturbance so that proper containment and abatement procedures can be initiated promptly.

**Notwithstanding the above course requirement, employers are advised that they must also be in compliance with New York State Department of Labor Industrial Code Rule 56 at all times.**

**Employers are further advised, and must advise all apprentices, that completion of the above course requirement does not authorize any person to remove, encapsulate, enclose, repair, disturb, or abate in any manner, any friable or non-friable asbestos, asbestos containing material, presumed asbestos containing material, or suspect miscellaneous asbestos containing material.**