



STATE OF NEW YORK  
DEPARTMENT OF LABOR

APPENDIX A

POINTER, CAULKER & CLEANER  
D.O.T. CODE 869.664-014

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.	<u>Ladders, Scaffolding and Platforms</u>	400
1.	Safe layout of sidewalk detours	
2.	Safe use of ladders	
3.	Selecting and using ropes, cables and knots	
4.	Assembling, rigging and working on scaffolds and platforms (including sectional steel scaffold and “swing” or suspended scaffold)	
5.	Hoisting materials and equipment.	
B.	<u>Cleaning Masonry</u>	1,200
1.	Safe use, care and maintenance of tools and equipment.	
2.	Cleaning with water.	
3.	Sandblasting.	
4.	Grinding.	
5.	Chemical washing, protection of adjacent building fabric-use of “acid stop” liquid masking.	
6.	Etching.	
7.	Pressure cleaning.	
8.	Mixing and applying poultices and hydrosilica.	
C.	<u>Pointing Masonry</u>	1,200
1.	Safe use, care and maintenance of tools.	
2.	Removing deteriorated mortar as needed: hand methods, power tool methods.	

- C. Pointing Masonry – continued
3. Mixing mortar; matching composition and color of existing mortars.
  4. Tuckpointing and striking joints.
  5. Dry packing.
- D. Caulking and Grouting Masonry 1,200
1. Safe use, care and maintenance of tools and equipment.
  2. Removing old caulking.
  3. Mixing and applying solvents and primers.
  4. Mixing and applying sealants (oil base, butyls, neoprenes, acrylics, polysulfides, urethanes, and silicones).
  5. Using backer rods.
  6. Masking.
  7. Mixing and applying grouts: mask grouting, tape grouting.
  8. Bagging.
  9. Waterproofing; dampproofing; colorless water repellents.
- E. Concrete Repair 200
1. Removal and preparation.
  2. Cleaning rebar; using primers for concrete and steel.
  3. Dry packing; preparing and applying epoxy and other non-sag patches.
  4. Forming and pouring.
  5. Shotcrete and gunite techniques (optional).
- F. Masonry Repair 1,200
1. Cutting and removing decayed or damaged masonry elements.
  2. Cutting, matching and patching all masonry materials (tile, stone, marble, stucco, etc.)
  3. Reinforcing stone with dowels; epoxy injection techniques.
  4. Brick and lintel replacement.
  5. Stone repair and use of “Dutchman”.
  6. Terra cotta repair.
- G. Welding and Cutting 150

H.	<u>Miscellaneous</u>	450
1.	Casting and molding.	
2.	Applying exterior insulation.	
3.	Repairing, sealing, replacing terra cotta and stone roofing materials.	
4.	Installing, repairing, replacing flashing.	
5.	Coating decks, including application of elastomeric coatings.	

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Total Hours 6,000

*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 <http://www.labor.state.ny.us/workerprotection/publicwork/PDFs/Article8FAOS.pdf>.*

APPENDIX B

POINTER, CAULKER & CLEANER

RELATED INSTRUCTION

Safety, including the following topics:

Ladder Safety

Scaffold Rigging Safety (electric and rope)

Pipe Scaffold Safety

Fall Protection

Handling, Storage and Disposal of Chemicals

All Applicable OSHA and EPA Regulations, Standards and Rules

OSHA 10-Hour Construction Course – if required for Public Work

Asbestos Safety:

If apprentice will do any handling of asbestos:

Successfully complete a course approved by the New York State Department of Health for “Asbestos Handler” and obtain, and keep current, an “Asbestos Handler (Worker)” certificate from the New York State Department of Labor

If apprentice will do no handling of asbestos:

Asbestos Awareness – minimum 4 hours (see attachment)

Alcohol and Drug Awareness

First Aid (6.5 hours every 3 years)

Blueprints and Sketching

Blueprint Reading

Trade Drawing

Mathematics

Masonry Math

Estimating Materials and Costs

Rigging and Material Handling

Ropes, Knots and Splices

Pipe Scaffold Set-up

Swing Scaffolds and Basic Rigging

Rigging and Using the Boatswain Chair

Using Hand Signals

Hoisting Techniques

Trade Theory and Science

Masonry Building Units

Identifying Kinds of Brick and Stone

Masonry Construction: Bonds, Joints and Mortars

Pointer, Caulker & Cleaner Related Instruction – continued

Details of Construction  
Trade Theory and Science – continued  
Preserving Buildings  
Introduction to Tools and Equipment  
Basic Brickwork  
Advanced Brickwork  
Concrete Block Masonry  
Building Cleaning with Chemicals  
Pressure Cleaning  
Sandblasting  
Etching  
Grinding  
Using Poultices and Hydrosilica  
Diagnosing Masonry Problems  
Finding and Treating Moisture Problems  
Repairing Deteriorated Surfaces and Building Parts  
Mortar Mixing (Types and Color)  
Joint Preparations  
Pointing  
Caulking  
Masking and Grouting  
Waterproofing  
Concrete Restoration  
Restoration and Repair of Brick  
Lintel Removal and Replacement  
Terra Cotta Removal, Repair, Replacement  
Repairing Stone and Terra Cotta with Epoxy  
Limestone Repair  
Resetting Coping Stones and/or Tiles  
Using Pre-Mixed Patch Compounds  
Replacing Pre-Cast Stone  
Cutting Steel with Gas Torches  
Mold Making and Casting  
Copper Soldering of Flashing  
Repairing Quarry Tile Decks  
Finishing Pre-Cast Units

Industrial and Labor Relations (20 hours)  
History and Background (6 hours, 1<sup>st</sup> year)  
Current Laws and Practices (14 hours, 2<sup>nd</sup> year)

Sexual Harassment Prevention Training (3 hours minimum)

144 Hours of Related Instruction are Required for Each Apprentice for Each Year.

## 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:
  - Asbestos-related diseases
  - Risks to families
  - Cigarette smoking
  - 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.**