

Appendix A

BRICKLAYER

O*NET-SOC CODE: 47-2021.00

RAPIDS CODE: 0052

BRICKLAYER (HYBRID APPROACH)

O*NET-SOC CODE: 47-2021.00

RAPIDS CODE: 0052HY

MARBLE SETTER

O*NET-SOC CODE: 47-2044.00

RAPIDS CODE: 0313

MARBLE SETTER (HYBRID APPROACH)

O*NET-SOC CODE: 47-2044.00

RAPIDS CODE: 0313HY

STONEMASON

O*NET-SOC CODE: 47-2022.00

RAPIDS CODE: 0540

STONEMASON (HYBRID APPROACH)

O*NET-SOC CODE: 47-2022.00

RAPIDS CODE: 0540HY

TERRAZZO WORKER

O*NET-SOC CODE: 47-2053.00

RAPIDS CODE: 0568

TERRAZZO WORKER (HYBRID APPROACH)

O*NET-SOC CODE: 47-2053.00

RAPIDS CODE: 0568HY

TILE SETTER

O*NET-SOC CODE: 47-2044.00

RAPIDS CODE: 0573

CEMENT MASON

O*NET-SOC CODE: 47-2051.00

RAPIDS CODE: 0075

CEMENT MASON (HYBRID APPROACH)
O*NET-SOC CODE: 47-2051.00
RAPIDS CODE: 0075HY

PLASTERER
O*NET-SOC CODE: 47-2161.00
RAPIDS CODE: 0423

PLASTERER (HYBRID APPROACH)
O*NET-SOC CODE: 47-2161.00
RAPIDS CODE: 0423HY

TILE FINISHER
O*NET-SOC CODE: 47-3011.00
RAPIDS CODE: 0971

TILE FINISHER (HYBRID APPROACH)
O*NET-SOC CODE: 47-3011.00
RAPIDS CODE: 0971HY

TERRAZZO FINISHER (HYBRID APPROACH)
O*NET-SOC CODE: 47-2053.00
RAPIDS CODE: 0972HY

MARBLE FINISHER (HYBRID APPROACH)
O*NET-SOC CODE: 47-3011.00
RAPIDS CODE: 0973HY

MOSAIC WORKER (HYBRID APPROACH)
O*NET-SOC CODE: 47-2044.00
RAPIDS CODE: 0353HY

POINTER, CLEANER, CAULKER
O*NET-SOC CODE: 47-2061.00
RAPIDS CODE: 0680

POINTER, CLEANER, CAULKER (HYBRID APPROACH)
O*NET-SOC CODE: 47-2061.00
RAPIDS CODE: 0680HY

**WORK PROCESS SCHEDULE
BRICKLAYER (TIME-BASED APPROACH)
O*NET-SOC CODE: 47-2021.00 RAPIDS CODE: 0052**

1. TERM OF APPRENTICESHIP

The term of this occupation shall be either an on-the-job learning (OJL) attainment of 3 years, 4500 hours; 3 years, 6000 hours; 4 years, 6000 hours; or 4 years, 8000 hours supplemented by the required hours of related technical instruction.

2. TIME-BASED APPROACH

The JATC will identify to the Registration Agency whether it is registering a 3 or 4 year term depending on the applicable Collective Bargaining Agreement. The JATC will also identify the required OJL attainment for the term in the following work process schedule (3 years, 4500 hours; 3 years, 6000 hours; 4 years, 6000 hours; or 4 years, 8000 hours).

3. RATIO OF APPRENTICES TO JOURNEYWORKERS

The ratio of apprentices to journeyworkers is established in the applicable Collective Bargaining Agreement, or as agreed to by the JATC.

This ratio will be defined as no more than one (1) apprentice for each journeyworker on the jobsite, and no less than one (1) apprentice for every five (5) journeyworkers provided that there is a supply of work predictably available to keep such a number of apprentices effectively employed.

4. APPRENTICE WAGE SCHEDULE

Apprentices shall be paid a progressively increasing schedule of wages based on a percentage of the current journeyworker wage rate in the JATC's jurisdiction, as follows, plus applicable fringe benefits, or as indicated in the Collective Bargaining Agreement.

3 Year – 4500 hour Term Example:

1 st 6 months + 750 hours – 50%	4 th 6 months + 750 hours – 80%
2 nd 6 months + 750 hours – 60%	5 th 6 months + 750 hours – 90%
3 rd 6 months + 750 hours – 70%	6 th 6 months + 750 hours – 95%

4 Year – 6000 hour Term Example:

1 st 6 months + 750 hours – 50%	5 th 6 months + 750 hours – 70%
2 nd 6 months + 750 hours – 55%	6 th 6 months + 750 hours – 75%
3 rd 6 months + 750 hours – 60%	7 th 6 months + 750 hours – 80%
4 th 6 months + 750 hours – 65%	8 th 6 months + 750 hours – 90%

3 Year – 6000 hour Term Example:

1 st 6 months + 1000 hours – 50%	4 th 6 months + 1000 hours – 80%
2 nd 6 months + 1000 hours – 60%	5 th 6 months + 1000 hours – 90%
3 rd 6 months + 1000 hours – 70%	6 th 6 months + 1000 hours – 95%

4 Year – 8000 hour Term Example:

1 st 6 months + 1000 hours – 50%	5 th 6 months + 1000 hours – 70%
2 nd 6 months + 1000 hours – 55%	6 th 6 months + 1000 hours – 75%
3 rd 6 months + 1000 hours – 60%	7 th 6 months + 1000 hours – 80%
4 th 6 months + 1000 hours – 65%	8 th 6 months + 1000 hours – 90%

Current Journeyworker Wage Rate \$ _____ per hour.

5. SCHEDULE OF WORK EXPERIENCE

(See attached Work Process Schedule)

The JATC must enter the appropriate number of hours in the work process schedule under either the 3 or 4 year columns, whichever is applicable. Samples of both are provided. JATCs may add to the work processes prior to submitting these Standards to the appropriate Registration Agency for approval.

6. SCHEDULE OF RELATED INSTRUCTION

(See attached Related Instruction Outline)

*The International Masonry Institute and the International Union of Bricklayers and Allied Craftworkers designed the National Guidelines for Apprenticeship Standards (“Guidelines”) in cooperation with the Department of Labor to be a model on which local program sponsors would base their apprenticeship programs. Although most of the provisions are anticipated to be, and are, consistent across local programs, others are designed to be flexible to fit the market conditions in the program sponsors’ locations.

For instance, the duration and hours provisions in Appendix A of the Guidelines provide four options for length of the apprenticeship term and hours required for completion – 3 years, 4500 hours; 3 years, 6000 hours; 4 years, 6000 hours; and 4 years, 8000 hours. The precise term is set forth in the collective bargaining agreements in the respective area, and reflects market conditions including weather (which particularly impacts trades in which much work is performed outdoors), volume of work, and complexity of work. While in many areas, 2000 hours per year is not attainable because of market conditions, in other areas it is and local programs may choose to shorten programs so that apprentices graduate and become a journeyworker Craftworkers faster. In those areas where the market cannot bear 2000 hours per year, the Guidelines set forth programs that would call for 1500 hours per year. We believe that flexible Guidelines are essential so that local program sponsors are not bound by conditions that are not reflective of their contracts or their markets.

**WORK PROCESS SCHEDULE
BRICKLAYER (TIME-BASED APPROACH)
O*NET-SOC CODE: 47-2021.00 RAPIDS CODE: 0052**

Sponsor must select one (1) of the following:

<u>WORK PROCESSES</u>	<u>3 YR/4500</u>	<u>3 YR/6000</u>	<u>4 YR/6000</u>	<u>4 YR/8000</u>
OSHA Safety Practices	75	100	100	200
Care and Use of Tools, and Equipment	112.5	150	150	200
Laying Masonry Units	2,066.25	2,755	2,755	3,440
Laying Specialty Units(Glass Block, etc.)	150	200	200	350
Autoclaved Aerated Concrete	7.5	10	10	10
Refractory	150	200	200	400
Terra Cotta	150	200	200	200
Cutting Masonry Units	337.5	450	450	550
Mixing Mortar, Grout, and Patent Mortars	82.5	110	110	200
Installing Grout and Insulating Materials	75	100	100	100
Building Footings and Foundations	168.75	225	225	250
Building Arches, Columns, Piers, and Corners	337.5	450	450	650
Building Fireplaces and Chimneys	93.75	125	125	250
Installing Anchoring Devices, Relieving Angles, and Lintels	93.75	125	125	125
Installing Masonry Panels	18.75	25	25	25
Laying Brick Pavers	56.25	75	75	75
Reinforced Masonry/ Steel	300	400	400	600

Reinforcement and Rods Flashing, Counter-Flashing, Waterproofing Materials and Caulking	37.5	50	50	50
Cleaning, Washdown and/or Rubbing Down of Masonry Surfaces	18.75	25	25	25
Welding, Certified as Required	168.75	225	225	300
TOTAL HOURS	4500	6000	6000	8000

**RELATED INSTRUCTION OUTLINE
BRICKLAYER (TIME-BASED APPROACH)
O*NET-SOC CODE: 47-2021.00 RAPIDS CODE: 0052**

	1st	2nd	3rd	4th
Orientation	12			
OSHA Construction Safety 1926 30 hour	30			
CPR / First Aid		16		
Scaffold Safety Qualification	06			
Drugs and Alcohol	04			
Diversity in the Work Place	02			
Materials Safety Data Sheet	01			
Trade and Labor History	24			
Use of Tools and Equipment	04			
Mortars, Types and Applications	06			
Material Handling and Storage	03			
Line Attachment and Setting Trigs	01			
Masonry Bonds	39			
Trade Mathematics		48	28	28
Brick Paving Techniques	12			
Transits, Water Levels, Lasers		08		
Fireplaces			44	
Code Requirements		08		
Lintels, Sills and Arches		16		
Glass Block		04		
Job Layout			16	
Blueprint Reading		24	32	84
Job Supervision			08	
Cooperative Working Skills		04		
Introduction to Restoration and Retrofitting			08	24
Advanced Topics/ New Technologies		08	08	08
Advanced Grouted Reinforced Masonry		08		
Total Hours Per Year	144	144	144	144

WORK PROCESS SCHEDULE
BRICKLAYER (HYBRID APPROACH)
O*NET-SOC CODE: 47-2021.00 RAPIDS CODE: 0052HY

1. TERM OF APPRENTICESHIP

The JATC will identify to the Registration Agency whether it will be registering a 3 or 4 year term depending on the CBA. The JATC will also identify whether it will be registering a Timed-based or Hybrid approach.

2. HYBRID APPROACH

The minimum requirements for this hybrid approach shall be either three (3) years, with an on-the-job learning (OJL) attainment of 4500-6000 hours supplemented by the required hours of related technical instruction, or four (4) years with an OJL attainment of 6000-8000 hours supplemented by the required hours of related instruction.

Upon completion of each of the segments of related instruction, the apprentice consults with the Training Coordinator and receives the corresponding OJL Competencies form for that component. These OJL forms shall be submitted to be completed entirely and validated by the signature of the on-site supervisor, after verifying with the Journeyworkers who have been instructing and observing the apprentices progress on the job sites, that each of the elements segments have been mastered by the apprentice. The On-Site-Supervisor and the Training Coordinator must attest on the form that each component has been mastered by the apprentice to the level of a typical Journeyworker in that occupation.

Upon successfully completing all the competencies in that skill grouping the apprentice shall have the clearly completed and signed forms submitted and recorded into the program's Training Management System by the programs Training Coordinator or the person authorized by the sponsor to permanently record such data.

3. RATIO OF APPRENTICES TO JOURNEYWORKERS

The ratio of apprentices to journeyworkers shall be established in the applicable CBA, or as agreed to by the JATC.

This ratio will be defined as no more than one (1) apprentice for each journeyworker on the job site, and no less than one (1) apprentice for each five (5) journeyworkers in the JATC's workforce provided that there is a supply of work predictability available to keep such a number of apprentices effectively employed.

4. APPRENTICE WAGE SCHEDULE

Apprentices shall be paid a progressively increasing schedule of wages based on a percentage of the current journeyworker wage rate in the JATC's jurisdiction as follows plus applicable fringe benefits, or as indicated in the CBA.

6 Semester/Level Hybrid:

1st RI level + OJL competencies - ____%

2nd RI level + OJL competencies - ____%

3rd RI level + OJL competencies - ____%

4th RI level + OJL competencies - __%

5th RI level + OJL competencies - __%

6th RI level + OJL competencies - __%

8 Semester/Level Hybrid:

1st RI level + OJL competencies - ____%

2nd RI level + OJL competencies - ____%

3rd RI level + OJL competencies - ____%

4th RI level + OJL competencies - ____%

5th RI level + OJL competencies - __%

6th RI level + OJL competencies - __%

7th RI level + OJL competencies - __%

8th RI level = OJL competencies - __%

5. SCHEDULE OF WORK EXPERIENCE

(See attached Work Process Schedule)

6. SCHEDULE OF RELATED INSTRUCTION

(See attached Related Instruction Outline)

*The International Masonry Institute and the International Union of Bricklayers and Allied Craftworkers designed these Standards in cooperation with the U.S. Department of Labor to be a model on which local program sponsors would base their apprenticeship programs. Although most of the provisions are anticipated to be, and are, consistent across local programs, others are designed to be flexible to fit the market conditions in the program sponsors' locations.

For instance, the duration and hours provisions in Appendix A of the Guidelines provide four options for length of the apprenticeship term and hours required for completion – 3 years, 4500 hours; 3 years, 6000 hours; 4 years, 6000 hours; and 4 years, 8000 hours. The precise term is set forth in the collective bargaining agreements in the respective area, and reflects market conditions including weather (which particularly impacts trades in which much work is performed outdoors), volume of work, and complexity of work. While in many areas, 2000 hours per year is not attainable because of market conditions, in other areas it is and local programs may choose to shorten programs so that apprentices graduate and become a journeyworker Craftworkers faster. In those areas where the market cannot bear 2000 hours per year, the Guidelines set forth programs that would call for 1500 hours per year. We believe that flexible Guidelines are essential so that local program sponsors are not bound by conditions that are not reflective of their contracts or their markets.

**WORK PROCESS SCHEDULE
BRICKLAYER (HYBRID APPROACH)**

O*NET-SOC CODE: 47-2021.00

RAPIDS CODE: 0052HY

<u>WORK PROCESSES</u>	<u>3 YRMin</u>	<u>3 YRMax</u>	<u>4 YR/Min</u>	<u>4 YR/Max</u>
OSHA Safety Practices	75	100	100	200
Care and Use of Tools, and Equipment	112.5	150	150	200
Laying Masonry Units	2,066.25	2,755	2,755	3,440
Laying Specialty Units(Glass Block, etc.)	150	200	200	350
Autoclaved Aerated Concrete	7.5	10	10	10
Refractory	150	200	200	400
Terra Cotta	150	200	200	200
Cutting Masonry Units	337.5	450	450	550
Mixing Mortar, Grout, and Patent Mortars	82.5	110	110	200
Installing Grout and Insulating Materials	75	100	100	100
Building Footings and Foundations	168.75	225	225	250
Building Arches, Columns, Piers, and Corners	337.5	450	450	650
Building Fireplaces and Chimneys	93.75	125	125	250
Installing Anchoring Devices, Relieving Angles, and Lintels	93.75	125	125	125
Installing Masonry Panels	18.75	25	25	25
Laying Brick Pavers	56.25	75	75	75
Reinforced Masonry/ Steel Reinforcement and Rods	300	400	400	600

Flashing, Counter-Flashing, Waterproofing Materials and Caulking	37.5	50	50	50
Cleaning, Washdown and/or Rubbing Down of Masonry Surfaces	18.75	25	25	25
Welding, Certified as Required	168.75	225	225	300
TOTAL HOURS	4500	6000	6000	8000

**RELATED INSTRUCTION OUTLINE
BRICKLAYER (HYBRID APPROACH)**

O*NET-SOC CODE: 47-2021.00

RAPIDS CODE: 0052HY

	1st	2nd	3rd	4th
Orientation	12			
OSHA Construction Safety 1926 30 hour	30			
CPR/First Aid		16		
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Mortars, Types and Applications	06			
Material Handling and Storage	03			
Line Attachment and Setting Trigs	01			
Masonry Bonds	39			
Trade Mathematics		48	28	28
Brick Paving Techniques	12			
Transits, Water Levels, Lasers		08		
Fireplaces			44	
Code Requirements		08		
Lintels, Sills and Arches		16		
Glass Block		04		
Job Layout			16	
Blueprint Reading		24	32	84
Job Supervision			08	
Cooperative Working Skills		04		
Introduction to Restoration and Retrofitting			08	24
Advanced Topics/New Technologies		08	08	08
Advanced Grouted Reinforced Masonry		08		
Total Hours Per Term	144	144	144	144



International Masonry Institute OJL Evaluation for Bricklayers

OSHA Safety Practices

Requirement One – PPE Personal Protective Equipment

Provided the necessary and required personal protective equipment (PPE), the worker must be able to demonstrate without error the proper use of each specific item of personal protective equipment including, but not limited to:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Hard Hat
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Safety Glasses
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Work Boots
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Ear protection
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gloves
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Dress code required for worksite and task
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Respirators (if required)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Other site or task specific PPE(s)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

OSHA Safety Practices

Requirement Two – Fall Protection Equipment

Provided the necessary and required fall protection equipment the worker must be able to demonstrate without error the proper use of each specific item of fall protection equipment including, but not limited to:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Scaffolding and work platforms
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Ladders and other egress points
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Body Harness and safety nets
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Other site or task specific fall protection equipment
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

OSHA Safety Practices

Requirement Three – Employer’s Safety Program

The worker must be able to demonstrate without error participation in the following employer’s site safety program specifics including, but not limited to:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Attending and participating in weekly meetings on the safety program
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Providing required safety certification/documentation, i.e. OSHA 10 or 30 hour
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Other site or task specific safety program requirements
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Maintenance of Tools and Equipment

Requirement One – General Maintenance of Tools and Equipment

Provided the necessary and required tools and associated maintenance of equipment, the worker must be able to demonstrate without error the proper maintenance of each tool or piece of equipment including, but not limited to:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checking electrical cords and equipment before use
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Keeping hand tools in good repair
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Demonstrating proper maintenance of powder actuated equipment
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Keeping power tools clean and in good order
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checking for required guards and other safety features on power equipment
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Reporting faulty equipment to a competent person
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Storing tools properly
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Other tool and equipment maintenance as required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Laying Masonry Units

Requirement One – Tools and Equipment

Provided the necessary and required tools and equipment, the worker must be able to demonstrate without error the proper use of each specific tool and piece of equipment including, but not limited to:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Trowel
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Level (mason's)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Hammer
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Brick set
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Jointers
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Chisel
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Ruler: spacing rule, modular rule and tapes
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Line, line blocks, line pins and Triggs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Bolt cutters
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Margin trowels
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pointing tools
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Floats and brushes
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Transits and laser levels
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Jack lines
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Story pole
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Speed leads
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Wrenches
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Squares
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Other tools and equipment as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Laying Masonry Units

Requirement Two – Processes and Procedures to Lay to the Line

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to lay to the line meeting the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Raises the line appropriately
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Avoids interference with the line
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies full and solid cross joints
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Lays brick to proper alignment: to height, in plane, on bond
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Shows a clean and neat appearance to the work being performed
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pace is consistent with experience level within the crew
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Demonstrates the ability to work effectively with the crew
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Laying Masonry Units

Requirement Three – Processes and Procedures to Lay Masonry Units Using a Masonry Level

Provided the necessary and required masonry level and other materials, tools and equipment, the worker must be able to demonstrate without error the ability to lay to the line using a masonry level within the following criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies proper location of wall per the plans and specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Performs dry layout of bond
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Lays first course in mortar within allowable tolerances by eye before using the level
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Following sequences levels, plumbs and straight edges (square and range diagonally)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Repeat for subsequent courses, keeping to the required height
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Tooling and finishing of joints
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans wall removing tags scrapes and excess mortar
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Laying Specialty Units

Requirement One – Glass Block

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to lay glass block, meeting the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows proper layout according to plans and specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses appropriate anchors, ties and wall wire
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses spacers as needed
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses proper mortar and adhesives
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Demonstrates proper handling of materials
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Tools and finishes correctly
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows accepted cleaning procedures
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Properly protects finished work
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: ____-____-____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Laying Specialty Units

Requirement Two – Autoclaved Aerated Concrete (AAC)

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to lay AAC meeting the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows proper layout according to plans and specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses appropriate anchors and ties
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses proper mortar and adhesives
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Demonstrates proper handling of materials
			Demonstrates proper use of tools including:
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Notched trowels
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Rasp
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Router
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Hand saw
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Table or band saw
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Hawk
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Plastering trowel
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Electric drills and paddles for mixing
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Rasps and finishes as required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses plastering and coatings correctly
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows proper cleaning procedures
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Properly protects finished work
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Laying Specialty Units

Requirement Three – Terra Cotta

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to lay terra cotta meeting the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows proper layout according to plans and specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Structural clay tile
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Architectural tile
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses appropriate anchors, ties and wall wire
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses proper mortar and adhesives
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Demonstrates proper handling of materials
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Tools and finishes
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows proper cleaning procedures
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Properly protects finished work
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Laying Specialty Units

Requirement Four – Masonry Rain Screen Walls

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to lay masonry rain screen walls meeting the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows proper layout according to plans and specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses appropriate anchors and ties
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses spacers as needed
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Demonstrates proper handling of materials
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Finishes and cleans as required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Properly protects finished work
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Laying Specialty Units

Requirement Five – CMU Specialty Units: Split face, Ground faced, Scored, etc.

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to lay CMU specialty units meeting the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows proper layout according to plans and specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses appropriate anchors, ties and wall wire and reinforcement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses proper mortar type and color
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Demonstrates proper handling of materials
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cuts material according to proper procedures
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Tools and finishes as needed
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows proper cleaning procedures
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Properly protects finished work
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____-_____-_____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Laying Specialty Units

Requirement Six – Cultured Stone and Adhered Veneer

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to lay cultured stone and adhered veneer meeting the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows proper layout according to plans and specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses appropriate anchors, ties and wall wire
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Demonstrates proper handling of materials
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses proper mortar and adhesives
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs parge base coat as required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Demonstrates back butter units per manufacturer's recommendations
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Demonstrates use of grout bag to fill the joints
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Tools and finishes as needed
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows proper cleaning procedures
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Properly protects finished work
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____-_____-_____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Laying Specialty Units

Requirement Seven – Spectra Glazed

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to lay spectra glazed meeting the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows proper layout according to plans and specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Maintains proper elevation
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses appropriate anchors, ties and wall wire
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses proper mortar type and color
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Demonstrates proper handling of materials
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cuts material according to proper procedures
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Tools and finishes as needed
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows manufacturer’s recommended cleaning procedures
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Properly protects finished work
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Laying Specialty Units

Requirement Eight - Glazed Brick

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to lay glazed brick meeting the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows proper layout according to plans and specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Maintains proper elevation
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses appropriate anchors, ties and wall wire
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses proper mortar type and color
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Demonstrates proper handling of materials
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cuts material according to proper procedures
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Tools and finishes as needed
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows manufacturer's recommended cleaning procedures
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Properly protects finished work
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's direction
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Laying Specialty Units

Requirement Nine – Specialty Shapes

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to lay specialty shapes meeting the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows proper layout according to plans and specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies and locates specialty shapes as required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses appropriate anchors, ties and wall wire
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses proper mortar type and color
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Demonstrates proper handling of materials
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cuts material according to proper procedures
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Tools and finishes as needed
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows manufacturer's recommended cleaning procedures
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Properly protects finished work
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements associated with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Refractory

Requirement One – Laying Refractory Materials - A

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to lay refractory materials meeting the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows proper layout according to plans and specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies and locates specialty shapes as required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses appropriate anchors and ties
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies and uses prescribed mortars for the application
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses proper buttering techniques
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Calculates amount and type of units that are needed
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs insulation properly
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses proper tools and equipment
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Proper use of chain hoist and chains for lifting
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Proper use of rigging equipment
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Constructs arch templates as required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs and uses temporary supports
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses appropriate bonding pattern for thickness of the walls
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Measures and marks cuts including multi angle cuts
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If certified follows proper welding procedures

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Requirement One – Laying Refractory Materials - B

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to lay refractory materials meeting the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs gunite per the job site specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cuts and rams plastic materials
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Forms and pours castable materials
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses proper PPE for the project
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Demonstrates proper heat exposure processes and procedures
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Performs demolition tasks as needed
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inspects scaffold and work platforms
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Cutting Masonry Units

Requirement One – Hand

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to cut masonry units by hand meeting the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Measures and marks materials accurately
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Selects appropriate tool(s) for application
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Makes cuts accurately
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Trims material as needed
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses proper PPE on the project
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements associated with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Cutting Masonry Units

Requirement Two – Power Equipment

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to cut masonry units utilizing power equipment meeting the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Measures and marks materials accurately
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Selects appropriate equipment for application
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Makes cuts accurately
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses proper PPE for the project
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements associated with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____-_____-_____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Mixing Mortar, Grout and Patent Mortars

Requirement One – Hand

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to mix mortar, grout and patent mortars by hand meeting the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Selects proper tools as required for the job
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Selects proper mortar types to be mixed as specified
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Maintains proper consistency as required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Re-tempers as permitted
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans equipment
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follow safety rules and requirements associated with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Mixing Mortar, Grout and Patent Mortars

Requirement Two – Power Equipment

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to mix mortar, grout and patent mortars with power equipment meeting the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies equipment to be used
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Performs necessary maintenance
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Selects proper mortar types to be mixed as specified
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Maintains proper consistency as required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Re-tempers as permitted
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans equipment
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements associated with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____-_____-_____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Installing Grout and Insulating Materials and Air Barriers

Requirement One – Hand

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to install insulating materials by hand meeting the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Selects proper tools required for the job
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inspects reinforcement for proper installation, corrects as necessary
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies the location to be grouted
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies correct consistency of grout
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fills cavity to prescribed height
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Keeps work area cleaned
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements associated with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: ____ - ____ - ____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Installing Grout and Insulating Materials and Air Barriers

Requirement Two – Machine

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to install insulating materials using machinery meeting the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Selects proper tools required for the job
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Properly uses grouting equipment
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Performs necessary maintenance of the equipment
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inspects reinforcement for proper installation, corrects as necessary
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies the location to be grouted
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies correct consistency of grout
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fills cavity to prescribed height
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Consolidates grout according to the specifications
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Keeps work area cleaned
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Keeps equipment clean and in operating condition
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements associated with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Building Footings and Foundations

Requirement One – Installing Building Footings and Foundations

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to install building footings and foundations meeting the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows proper layout according to plans and specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Demonstrates accepted installation techniques
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses appropriate anchors, ties, wall wire and reinforcement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses proper mortar type and color
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Demonstrates proper handling of materials
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs joist pockets and opening as required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs grout as required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Finishes wall openings and penetrations as required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs water proofing as required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cuts material according to proper procedures
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Tools and finishes as needed
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows proper cleaning procedures
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Properly protects finished work
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs temporary bracing as prescribed
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements associated with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Building Arches, Columns, Piers and Corners

Requirement One – Building Arches

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to build arches meeting the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows proper layout according to plans and specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Builds and installs templates according to specifications required for the opening
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs temporary bracing as prescribed
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Demonstrates accepted installation techniques
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses appropriate anchors, ties, wall wire and reinforcement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses proper mortar type and color
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Demonstrates proper handling of materials
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses proper flashing and moisture control techniques as required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Measures and marks materials within tolerance
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cuts material according to proper procedures
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Tools and finishes as needed
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Removes arch template and supports and finishes as required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows proper cleaning procedures
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Properly protects finished work
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements associated with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____ Date: ____-____-____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Requirement Two – Building Columns and Piers

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to build building columns and piers meeting the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows proper layout according to plans and specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Demonstrates accepted installation techniques including
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Maintains plumb and alignment within allowable tolerances
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Demonstrates proper use of jack line
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses appropriate anchors, ties, wall wire and reinforcement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses proper mortar type and color
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Demonstrates proper handling of materials
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses proper flashing and moisture control techniques as required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Measures and marks materials within tolerance
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cuts material according to proper procedures
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Tools and finishes
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows proper cleaning procedures
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Properly protects finished work
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements associated with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Requirement Three – Building Corners and Leads

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to build corners and leads meeting the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows proper layout according to plans and specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Demonstrates accepted installation techniques:
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sequence: level, plumb, straight edge and within allowable tolerances
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies proper location of wall
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Performs dry layout of bond
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Lays first course in mortar
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Levels, plumbs and straight edges (square and range diagonally)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Repeats for subsequent courses keeping to the required height
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Tool and finishes of joints
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans wall
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Maintains plumb and alignment within allowable tolerances
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Demonstrates proper use of jack line
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses appropriate anchors, ties, wall wire and reinforcement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Demonstrates proper handling of materials
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses proper flashing and moisture control techniques as required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Properly protects finished work
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements associated with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____ Date: _____
 Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Building Fireplaces and Chimneys

Requirement One – Building Fireplaces and Chimneys - A

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to build fireplaces and chimneys meeting the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows proper layout according to plans, specs and code requirements
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Demonstrates accepted installation techniques
			Properly installs accessories
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Clean out
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Thimble as required for furnace flue
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Ash dump
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Air intake
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Damper
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Chimney cap
			Constructs components for an effective fireplace function
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Firebox
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Smoke chamber
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Chimney/Flue

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Requirement One – Building Fireplaces and Chimneys - B

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to build fireplaces and chimneys meeting the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Maintains plumb and alignment within allowable tolerances
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses appropriate anchors, ties, wall wire and reinforcement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses proper mortar type and color
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Demonstrates proper handling of materials
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Measures and marks materials within tolerance
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cuts material according to proper procedures
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Tools and finishes
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows proper cleaning procedures
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Properly protects finished work
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements associated with his section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Installing Anchoring Devices, Relieving Angles and Lintels

Requirement One – Anchoring Devices

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to install the following anchoring devices:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inbed plates and bolts
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Screwed on anchors
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Hook and eye wire
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Wall ties and wire mesh
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Strap anchors and anchors straps
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Dove tail anchors
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Column anchors
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Door buck anchors
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Other anchoring devices as required
			Meeting the following specific criteria:
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies proper location according to specs and plans
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies appropriate anchoring device
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs according to manufacturer's recommendations
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements associated with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Installing Anchoring Devices, Relieving Angles and Lintels

Requirement Two – Relieving Angles

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to install relieving angles meeting the following criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies proper location according to specs and plans
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies appropriate relieving angles
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs according to plans and specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs appropriate flashing materials
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements associated with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Installing Anchoring Devices, Relieving Angles and Lintels

Requirement Three – Lintels

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to install steel and masonry lintels meeting the following criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies proper location and size according to specs and plans
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies appropriate configuration
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs according to plans and specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs appropriate flashing materials
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Finishes according to job site requirements
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements associated with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: ____ - ____ - ____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Installing Masonry Panels and Deck Planking

Requirement One – Tilt – Up Panels

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to install tile-up panels meeting the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies proper location according to specs and plans
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows proper installation techniques including the rigging of panels and planking
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Works within allowable tolerances
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses appropriate anchoring method
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Finishes panel according to project requirements
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements associated with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Installing Masonry Panels and Deck Planking

Requirement Two – Pre-Fabricated Assemblies

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to install pre-fabricated assemblies meeting the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies proper location according to specs and plans
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows proper installation techniques including the rigging of panels and planking
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Works within allowable tolerances
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses appropriate anchoring method
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Finishes panel according to project requirements
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements associated with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Installing Masonry Panels and Deck Planking

Requirement Three – Assembling Panels

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to assemble panels meeting the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies proper location according to specs and plans
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows proper installation techniques including the rigging of panels and planking
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Works within allowable tolerances
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses appropriate anchoring method
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Finishes panel according to project requirements
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements associated with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: ____ - ____ - ____

Supervisor Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Installing Masonry Panel and Deck Planking

Requirement Four – Fiberglass Reinforced Concrete Panels

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to install fiberglass reinforced concrete panels meeting the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies proper location according to specs and plans
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows proper installation techniques including the rigging of panels and planking
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Works within allowable tolerances
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses appropriate anchoring method
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Finishes panel according to project requirements
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements associated with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: ____ - ____ - ____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Laying Masonry Pavers

Requirement One – Mortar Application

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to lay masonry pavers using mortar application meeting the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Demonstrates proper layout according to plans and specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses proper materials handling techniques
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies full and solid cross joints
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Lays brick to proper alignment: to height, in plane, on bond
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Maintains a clean and neat appearance
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Accurately measures, marks and cuts material within allowable tolerances
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Properly installs units, including cuts and pieces as required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Tools and finishes as needed
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows proper cleaning procedures
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Protects finished work
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements associated with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Laying Masonry Pavers

Requirement Two – Dry Stack

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to lay masonry pavers using dry stack application processes meeting the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Proper layout according to plans and specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses proper materials handling techniques
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs base and substrate according to plans and specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Lays brick to proper alignment: to height, in plane, on bond
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Clean neat appearance of paving assembly
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Accurately measures, marks and cuts material within allowable tolerances
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installation of units, including cuts and pieces as required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Finishing as required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans assemblies in appropriate manner
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Protects finished work
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements associated with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Reinforced Masonry; Steel Reinforcement, Rods and Grouting

Requirement One – Reinforced Masonry; Steel Reinforcement and Rods

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to reinforced masonry, steel reinforcement and rods meeting the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies location of reinforcement per site requirements
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies appropriate size and type
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs reinforcement in proper location using spacers
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Keeps required rod lap length per the building code requirements
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs grout as required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements associated with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Reinforced Masonry; Steel Reinforcement, Rods and Grouting

Requirement Two – Installing Grout by Hand

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to install grout by hand meeting the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Selects proper tools required for the job
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inspects reinforcement for proper installation, corrects as necessary
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies the location to be grouted
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies correct consistency of grout
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fills cavity to prescribed height
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Keeps work area cleaned
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements associated with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Reinforced Masonry; Steel Reinforcement, Rods and Grouting

Requirement Three – Installing Grout by Machine

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to install grout using machinery meeting the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Selects proper tools required for the job
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Properly uses grouting equipment
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Performs necessary maintenance of the equipment
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inspects reinforcement for proper installation, corrects as necessary
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies the location to be grouted
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies correct consistency of grout
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fills cavity to prescribed height
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Consolidates grout according to the specifications
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Keeps work area cleaned
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Keeps equipment clean and in operating condition
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements associated with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Flashing, Moisture Control and Waterproofing Materials

Requirement One – Flashing

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to install flashing meeting the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies appropriate size and type
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies location of flashing per plans and specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs flashing in proper location using proper techniques
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements associated with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Flashing, Moisture Control and Waterproofing Materials

Requirement Two – Moisture Control

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to install moisture control meeting the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies appropriate system per the plans and specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies correct location
			Installs according to manufacturer's recommendations
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Spray applied
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Trowel applied
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Glued on
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Stapled
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Peel and stick
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Roll on
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs weep holes and vents as required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs mortar net systems
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Disposes waste material in the required manner
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements associated with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Flashing, Moisture Control and Waterproofing Materials

Requirement Three – Waterproofing Materials

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to install waterproofing materials meeting the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies appropriate system per the plans and specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies correct location
			Installs according to manufacturer's recommendations
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Spray applied
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Trowel applied
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Glued on
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Stapled
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Peel and stick
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Roll on
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs protection as required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Disposes waste material in the required manner
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements associated with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Flashing, Moisture Control and Waterproofing Materials

Requirement Four – Caulking

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to install caulking meeting the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies appropriate system per the plans and specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies correct location
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies and uses appropriate tools for the application
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs according to manufacturer's recommendations
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Prepares location prior to caulking
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Selects and uses appropriate materials
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Finishes joints according to job site requirements
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Maintains a clean and appearance of the work
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans and maintains tools and equipment
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Disposes waste material in the required manner
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements associated with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Cleaning and Wash Down of Masonry Surfaces

Requirement One – Cleaning and Wash down of Masonry Surfaces

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to clean and wash down masonry surfaces meeting the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies appropriate cleaning method per the plans and specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies and uses appropriate tools for the application
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Selects proper PPE
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Demonstrates appropriate method for cleaning new or existing masonry
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows proper sequence <ol style="list-style-type: none"> 1. Protects adjacent areas 2. Mixes cleaning agents proportionally according to manufacturer's recommendations 3. Wets wall surface and surrounding area 4. Applies solution to wall surface 5. Rubs or scrapes excess mortar, dirt or grout from wall 6. Rinses 7. Re-applies cleaning solution and scrape as necessary 8. Does a final rinse of entire area 9. Shows care and proper handling and disposal of cleaning solution 10. Cleans all tools and equipment
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements associated with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Rubbing Down of Masonry Surfaces

Requirement One – Rubbing Down of Masonry Surfaces

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to rub down masonry surfaces meeting the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Selects proper PPE
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses appropriate tools and equipment
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Patches and repairs areas as indicated
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Rubs entire wall area to remove excess mortar
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans and puts away all tools and equipment
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements associated with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures required

Apprentice Name: _____

Date: ____ - ____ - ____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Welding Certification

Requirement One – Welding Certification

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Worker must be able to present a valid welding certificate
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements associated with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Erecting and Dismantling Scaffolding and Working Platforms

Requirement One – Erecting and Dismantling

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate the ability to:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Safely build, maintain and dismantle scaffolding and working platforms
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements associated with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Bricklayers

Sills, Headers and Coping Stone

Requirement One – Sills, Headers and Coping Stones

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to install sills, headers and coping stones meeting the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows proper layout according to plans and specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses appropriate anchors, ties and wall wire and reinforcement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs proper flashing and moisture control system
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses proper mortar type and color
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Proper handling of materials
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses proper rigging techniques
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses appropriate equipment for the size and weight of material
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cut material according to proper procedures
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Tools, finishes and caulks as specified
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleaning procedures
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Properly protects finished work
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements associated with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____

WORK PROCESS SCHEDULE
MARBLE SETTER (TIME-BASED APPROACH)
O*NET-SOC CODE: 47-2044.00 RAPIDS CODE: 0313

1. TERM OF APPRENTICESHIP

The term of this occupation shall be either an on-the-job learning (OJL) attainment of 3 years, 4500 hours; 3 years, 6000 hours; 4 years, 6000 hours; or 4 years, 8000 hours supplemented by the required hours of related technical instruction.

2. TIME-BASED APPROACH

The JATC will identify to the Registration Agency whether it is registering a 3 or 4 year term depending on the applicable Collective Bargaining Agreement. The JATC will also identify the required OJL attainment for the term in the following work process schedule (3 years, 4500 hours; 3 years, 6000 hours; 4 years, 6000 hours; or 4 years, 8000 hours).

3. RATIO OF APPRENTICES TO JOURNEYWORKERS

The ratio of apprentices to journeyworkers is established in the applicable Collective Bargaining Agreement, or as agreed to by the JATC.

This ratio will be defined as no more than one (1) apprentice for each journeyworker on the jobsite, and no less than one (1) apprentice for every five (5) journeyworkers provided that there is a supply of work predictably available to keep such a number of apprentices effectively employed.

4. APPRENTICE WAGE SCHEDULE

Apprentices shall be paid a progressively increasing schedule of wages based on a percentage of the current journeyworker wage rate in the JATC's jurisdiction, as follows, plus applicable fringe benefits, or as indicated in the Collective Bargaining Agreement.

3 Year – 4500 hour Term Example:

1 st 6 months + 750 hours – 50%	4 th 6 months + 750 hours – 80%
2 nd 6 months + 750 hours – 60%	5 th 6 months + 750 hours – 90%
3 rd 6 months + 750 hours – 70%	6 th 6 months + 750 hours – 95%

4 Year – 6000 hour Term Example:

1 st 6 months + 750 hours – 50%	5 th 6 months + 750 hours – 70%
2 nd 6 months + 750 hours – 55%	6 th 6 months + 750 hours – 75%
3 rd 6 months + 750 hours – 60%	7 th 6 months + 750 hours – 80%
4 th 6 months + 750 hours – 65%	8 th 6 months + 750 hours – 90%

3 Year – 6000 hour Term Example:

1 st 6 months + 1000 hours – 50%	4 th 6 months + 1000 hours – 80%
2 nd 6 months + 1000 hours – 60%	5 th 6 months + 1000 hours – 90%
3 rd 6 months + 1000 hours – 70%	6 th 6 months + 1000 hours – 95%

4 Year – 8000 hour Term Example:

1 st 6 months + 1000 hours – 50%	5 th 6 months + 1000 hours – 70%
2 nd 6 months + 1000 hours – 55%	6 th 6 months + 1000 hours – 75%
3 rd 6 months + 1000 hours – 60%	7 th 6 months + 1000 hours – 80%
4 th 6 months + 1000 hours – 65%	8 th 6 months + 1000 hours – 90%

Current Journeyworker Wage Rate \$ _____ per hour.

5. SCHEDULE OF WORK EXPERIENCE

(See attached Work Process Schedule)

The JATC must enter the appropriate number of hours in the work process schedule under either the 3 or 4 year columns, whichever is applicable. Samples of both are provided. JATCs may add to the work processes prior to submitting these Standards to the appropriate Registration Agency for approval.

6. SCHEDULE OF RELATED INSTRUCTION

(See attached Related Instruction Outline)

*The International Masonry Institute (IMI) and the International Union of Bricklayers and Allied Craftworkers (BAC) designed the National Guidelines for Apprenticeship Standards (“Guidelines”) in cooperation with the Department of Labor to be a model on which local program sponsors would base their apprenticeship programs. Although most of the provisions are anticipated to be, and are, consistent across local programs, others are designed to be flexible to fit the market conditions in the program sponsors’ locations.

For instance, the duration and hours provisions in Appendix A of the Guidelines provide four options for length of the apprenticeship term and hours required for completion – 3 years, 4500 hours; 3 years, 6000 hours; 4 years, 6000 hours; and 4 years, 8000 hours. The precise term is set forth in the collective bargaining agreements in the respective area, and reflects market conditions including weather (which particularly impacts trades in which much work is performed outdoors), volume of work, and complexity of work. While in many areas, 2000 hours per year is not attainable because of market conditions, in other areas it is and local programs may choose to shorten programs so that apprentices graduate and become a journeyworker Craftworkers faster. In those areas where the market cannot bear 2000 hours per year, the Guidelines set forth programs that would call for 1500 hours per year. We believe that flexible Guidelines are essential so that local program sponsors are not bound by conditions that are not reflective of their contracts or their markets.

WORK PROCESS SCHEDULE

MARBLE SETTER (TIME-BASED APPROACH)
O*NET-SOC CODE: 47-2044.00 RAPIDS: 0313

<u>WORK PROCESSES</u>	3 YR/4500	3 YR/6000	4 YR/6000	4 YR/8000
Safe Use and Maintenance of Related Trade Tools and Equipment	262.5	350	350	450
Stone Fabrication and Repair	600	800	800	900
Job Layout (Vertical and Horizontal work)	187.5	250	250	350
Prepare Sub-Surfaces for Stone Installation (Vertical and Horizontal work)	300	400	400	600
Prepare Stone for Installation, to include Traditional & Modern Systems (Vertical and Horizontal Applications)	300	400	400	600
Installation of all Anchoring Devices	120	160	160	200
Material Handling and Rigging	150	200	200	300
Setting Dimensional Stone, Natural, Cast and Cultured (Vertical and Horizontal Methods)	2,160	2,880	2,880	3,840
Cleaning, Caulking and Grouting Stone	225	300	300	400
Welding, Certified as Required	195	260	260	360
TOTAL HOURS	4500	6000	6000	8000

**RELATED INSTRUCTION OUTLINE
 MARBLE SETTER (TIME-BASED APPROACH)
 O*NET-SOC CODE: 47-2044.00 RAPIDS CODE: 0313**

	1st	2nd	3rd	4th
Orientation	12			
OSHA Construction Safety 1926 30 hour	30			
CPR/First Aid		16		
Scaffold Safety Qualification	06			
Drugs and Alcohol	04			
Diversity in the Work Place	02			
Materials Safety Data Sheet	01			
Trade and Labor History	24			
Use of Tools and Equipment	04			
Mortars and Plaster	29			
Materials and Characteristics	20			
Handling Heavy Materials	12			
Trade Mathematics		48	28	28
Layout (from Drawings)		08		
Materials Estimating		10	20	
Cleaning, Sealing and Finishing		14	24	
Sketching		08		
Blueprint Reading		32	32	84
Anchoring Systems		08	08	
Restoration			24	24
Advanced Topics/New Technologies			08	08
Total Hours Per Year	144	144	144	144

WORK PROCESS SCHEDULE
MARBLE SETTER (HYBRID APPROACH)
O*NET-SOC CODE: 47-2044.00 RAPIDS CODE: 0313HY

1. TERM OF APPRENTICESHIP

The minimum term of this occupation shall be either three (3) years with an OJL attainment of 4500-6000 hours supplemented by the required hours of related instruction, or four (4) years with an OJL attainment of 6000-8000 hours supplemented by the required hours of related instruction. JATCs will identify whether using a 3 or 4-year term depending on the CBA.

2. HYBRID APPROACH

The minimum requirements for this hybrid approach shall be either three (3) years, with an on-the-job learning (OJL) attainment of 4500-6000 hours supplemented by the required hours of related technical instruction, or four (4) years with an OJL attainment of 6000-8000 hours supplemented by the required hours of related instruction.

Upon completion of each of the segments of related instruction, the apprentice consults with the Training Coordinator and receives the corresponding OJL Competencies form for that component. These OJL forms shall be submitted to be completed entirely and validated by the signature of the on-site supervisor, after verifying with the Journeyworkers who have been instructing and observing the apprentices progress on the job sites, that each of the elements segments have been mastered by the apprentice. The On-Site-Supervisor and the Training Coordinator must attest on the form that each component has been mastered by the apprentice to the level of a typical Journeyworker in that occupation.

Upon successfully completing all the competencies in that skill grouping the apprentice shall have the clearly completed and signed forms submitted and recorded into the program's Training Management System by the programs Training Coordinator or the person authorized by the sponsor to permanently record such data.

3. RATIO OF APPRENTICES TO JOURNEYWORKERS

The ratio of apprentices to journeyworkers is established in the applicable Collective Bargaining Agreement, or as agreed to by the JATC.

This ratio will be defined as no more than one (1) apprentice for each journeyworker on the jobsite, and no less than one (1) apprentice for every five (5) journeyworkers provided that there is a supply of work predictably available to keep such a number of apprentices effectively employed.

4. APPRENTICE WAGE SCHEDULE

Apprentices shall be paid a progressively increasing schedule of wages based on a percentage of the current journeyworker wage rate in the JATC’s jurisdiction as follows plus applicable fringe benefits, or as indicated in the CBA.

3 Year Term Example:

1 st 6 months + hours - ___%	4 th 6 months + hours - ___%
2 nd 6 months + hours - ___%	5 th 6 months + hours - ___%
3 rd 6 months + hours - ___%	6 th 6 months + hours - ___%

4 Year Term Example:

1 st 6 months + hours - ___%	5 th 6 months + hours - ___%
2 nd 6 months + hours - ___%	6 th 6 months + hours - ___%
3 rd 6 months + hours - ___%	7 th 6 months + hours - ___%
4 th 6 months + hours - ___%	8 th 6 months + hours - ___%

5. SCHEDULE OF WORK EXPERIENCE

(See attached Work Process Schedule)

6. SCHEDULE OF RELATED INSTRUCTION

(See attached Related Instruction Outline)

*The International Masonry Institute (IMI) and the International Union of Bricklayers and Allied Craftworkers (BAC) designed the National Guidelines for Apprenticeship Standards (“Guidelines”) in cooperation with the Department of Labor to be a model on which local program sponsors would base their apprenticeship programs. Although most of the provisions are anticipated to be, and are, consistent across local programs, others are designed to be flexible to fit the market conditions in the program sponsors’ locations.

For instance, the duration and hours provisions in Appendix A of the Guidelines provide four options for length of the apprenticeship term and hours required for completion – 3 years, 4500 hours; 3 years, 6000 hours; 4 years, 6000 hours; and 4 years, 8000 hours. The precise term is set forth in the collective bargaining agreements in the respective area, and reflects market conditions including weather (which particularly impacts trades in which much work is performed outdoors), volume of work, and complexity of work. While in many areas, 2000 hours per year is not attainable because of market conditions, in other areas it is and local programs may choose to shorten programs so that apprentices graduate and become a journeyworker Craftworkers faster. In those areas where the market cannot bear 2000 hours per year, the Guidelines set forth programs that would call for 1500 hours per year. We believe that flexible Guidelines are essential so that local program sponsors are not bound by conditions that are not reflective of their contracts or their markets.

**WORK PROCESS SCHEDULE
MARBLE SETTER (HYBRID APPROACH)
O*NET-SOC CODE: 47-2044.00 RAPIDS: 0313HY**

<u>WORK PROCESSES</u>	<u>3 YR Min</u>	<u>3 YR Max</u>	<u>4 YR Min</u>	<u>4 YR Max</u>
Safe Use and Maintenance of Related Trade Tools and Equipment	262.5	350	350	450
Stone Fabrication and Repair	600	800	800	900
Job Layout (Vertical and Horizontal work)	187.5	250	250	350
Prepare Sub-Surfaces for Stone Installation (Vertical and Horizontal work)	300	400	400	600
Prepare Stone for Installation, to include Traditional & Modern Systems (Vertical and Horizontal Applications)	300	400	400	600
Installation of all Anchoring Devices	120	160	160	200
Material Handling and Rigging	150	200	200	300
Setting Dimensional Stone, Natural, Cast and Cultured (Vertical and Horizontal Methods)	2,160	2,880	2,880	3,840
Cleaning, Caulking and Grouting Stone	225	300	300	400
Welding, Certified as Required	195	260	260	360
TOTAL HOURS	4500	6000	6000	8000

**RELATED INSTRUCTION OUTLINE
MARBLE SETTER (HYBRID APPROACH)
O*NET-SOC CODE: 47-2044.00 RAPIDS CODE: 0313HY**

	1st	2nd	3rd	4th
Orientation	12			
OSHA Construction Safety 1926 30 hour	30			
CPR / First Aid		16		
Scaffold Safety Qualification	06			
Drugs and Alcohol	04			
Diversity in the Work Place	02			
Materials Safety Data Sheet	01			
Trade and Labor History	24			
Use of Tools and Equipment	04			
Mortars and Plaster	29			
Materials and Characteristics	20			
Handling Heavy Materials	12			
Trade Mathematics		48	28	28
Layout (from Drawings)		08		
Materials Estimating		10	20	
Cleaning, Sealing and Finishing		14	24	
Sketching		08		
Blueprint Reading		32	32	84
Anchoring Systems		08	08	
Restoration			24	24
Advanced Topics/New Technologies			08	08
Total Hours Per Year	144	144	144	144

**WORK PROCESS SCHEDULE
STONEMASON (TIME-BASED APPROACH)
O*NET- SOC CODE: 47-2022.00 RAPIDS CODE: 0540**

1. TERM OF APPRENTICESHIP

The minimum term of this occupation shall be either three (3) years with an OJL attainment of 4500-6000 hours supplemented by the required hours of related instruction, or four (4) years with an OJL attainment of 6000-8000 hours supplemented by the required hours of related instruction. JATCs will identify whether using a 3 or 4-year term depending on the CBA.

2. TIME-BASED APPROACH

The JATC will identify to the Registration Agency whether it is registering a 3 or 4 year term depending on the applicable Collective Bargaining Agreement. The JATC will also identify the required OJL attainment for the term in the following work process schedule (3 years, 4500 hours; 3 years, 6000 hours; 4 years, 6000 hours; or 4 years, 8000 hours).

3. RATIO OF APPRENTICES TO JOURNEYWORKERS

The ratio of apprentices to journeyworkers is established in the applicable Collective Bargaining Agreement, or as agreed to by the JATC.

This ratio will be defined as no more than one (1) apprentice for each journeyworker on the jobsite, and no less than one (1) apprentice for every five (5) journeyworkers provided that there is a supply of work predictably available to keep such a number of apprentices effectively employed.

4. APPRENTICE WAGE SCHEDULE

Apprentices shall be paid a progressively increasing schedule of wages based on a percentage of the current journeyworker wage rate in the JATC's jurisdiction as follows plus applicable fringe benefits, or as indicated in the CBA.

3 Year Term Example:

1 st 6 months + hours - ___%	4 th 6 months + hours - ___%
2 nd 6 months + hours - ___%	5 th 6 months + hours - ___%
3 rd 6 months + hours - ___%	6 th 6 months + hours - ___%

4 Year Term Example:

1 st 6 months + hours - ___%	5 th 6 months + hours - ___%
2 nd 6 months + hours - ___%	6 th 6 months + hours - ___%
3 rd 6 months + hours - ___%	7 th 6 months + hours - ___%
4 th 6 months + hours - ___%	8 th 6 months + hours - ___%

5. SCHEDULE OF WORK EXPERIENCE

(See attached Work Process Schedule)

The JATC must enter the appropriate number of hours in the work process schedule under either the 3 or 4 year columns, whichever is applicable. Samples of both are provided. JATCs may add to the work processes prior to submitting these Standards to the appropriate Registration Agency for approval.

6. SCHEDULE OF RELATED INSTRUCTION

(See attached Related Instruction Outline)

*The International Masonry Institute (IMI) and the International Union of Bricklayers and Allied Craftworkers (BAC) designed the National Guidelines for Apprenticeship Standards (“Guidelines”) in cooperation with the Department of Labor to be a model on which local program sponsors would base their apprenticeship programs. Although most of the provisions are anticipated to be, and are, consistent across local programs, others are designed to be flexible to fit the market conditions in the program sponsors’ locations.

For instance, the duration and hours provisions in Appendix A of the Guidelines provide four options for length of the apprenticeship term and hours required for completion – 3 years, 4500 hours; 3 years, 6000 hours; 4 years, 6000 hours; and 4 years, 8000 hours. The precise term is set forth in the collective bargaining agreements in the respective area, and reflects market conditions including weather (which particularly impacts trades in which much work is performed outdoors), volume of work, and complexity of work. While in many areas, 2000 hours per year is not attainable because of market conditions, in other areas it is and local programs may choose to shorten programs so that apprentices graduate and become a journeyworker Craftworkers faster. In those areas where the market cannot bear 2000 hours per year, the Guidelines set forth programs that would call for 1500 hours per year. We believe that flexible Guidelines are essential so that local program sponsors are not bound by conditions that are not reflective of their contracts or their markets.

**WORK PROCESS SCHEDULE
 STONEMASON (TIME-BASED APPROACH)
 O*NET-SOC CODE: 47-2022.00 RAPIDS CODE: 0540**

<u>WORK PROCESSES</u>	<u>3 YR</u>	<u>4 YR</u>
Safe Use and Maintenance, of all Related Trade Tools and Equipment	350	450
Preparing Sub-Straits for Stone Installation(all Vertical and Horizontal Applications)	300	400
Installing Anchoring Systems	150	250
Setting Stone, Natural, Cast, and Pre-Cast concrete, using Traditional and Modern Anchoring Methods (Vertical Applications)	1,500	2,125
Setting Stone, Natural and Cast. Using all Traditional and Modern Methods (Horizontal Applications)	1,500	2,125
Mixing Mortars	80	180
Stone Maintenance and Restoration	200	300
Pointing, Caulking, and Cleaning and Grouting	125	150
Stone Fabrication	225	250
Cutting and Carving Stone	1,200	1,400
Welding, Certified as Required	360	360
Installation of AAC Panels and Blocks	10	10
TOTAL HOURS	6000	8000

**RELATED INSTRUCTION OUTLINE
 STONEMASON (TIME-BASED APPROACH)
 O*NET-SOC CODE: 47-2022.00 RAPIDS CODE: 0540**

	1st	2nd	3rd	4th
Orientation	12			
OSHA Construction Safety 1926 30 hour	30			
CPR / First Aid		16		
Scaffold Safety Qualification	06			
Drugs and Alcohol	04			
Diversity in the Work Place	02			
Materials Safety Data Sheet	01			
Trade and Labor History	24			
Use of Tools and Equipment	04			
Introduction to Stone (Geology, quarrying)	37			
Cleaning, Sealing and Finishing		14		
Bonds and Patterns	24			
Trade Mathematics		44	28	28
Masonry Restoration			68	24
Layout from Drawings		08		
Materials Estimating		10		
Sketching		08		
Blueprint Reading		32	32	76
Expansion Joints		04		
Building Code Specifications		08		
Advanced Topics/New Technologies			16	16
Total Hours Per Year	144	144	144	144

**WORK PROCESS SCHEDULE
STONEMASON (HYBRID APPROACH)
O*NET- SOC CODE: 47-2022.00 RAPIDS CODE: 0540HY**

1. TERM OF APPRENTICESHIP:

The minimum term of this occupation shall be either three (3) years with an on-the-job learning (OJL) attainment of 4500-6000 hours supplemented by the required hours of related instruction, or four (4) years with an OJL attainment of 6000-8000 hours supplemented by the required hours of related instruction. JATCs will identify whether using a 3 or 4 year term depending on the CBA.

2. HYBRID APPROACH:

The minimum requirements for this hybrid approach shall be for an apprentice to complete each segment of related instruction per the Schedule of Related Instruction in its proper sequence.

Upon completion of each of the segments of related instruction, the apprentice consults with the Training Coordinator and receives the corresponding OJL Competencies form for that component. These OJL forms shall be submitted to be completed entirely and validated by the signature of the on-site supervisor, after verifying with the journeyworker who has been instructing and observing the apprentice's progress on the job sites, that each of the element segments has been mastered by the apprentice. The On-Site-Supervisor and the Training Coordinator must attest on the form that each component has been mastered by the apprentice to the level of a typical journeyworker in that occupation.

Upon successfully completing all the competencies in the skill grouping, the apprentice shall have the clearly completed and signed forms submitted and recorded into the program's Training Management System (TMS) by the program's Training Coordinator or the person authorized by the sponsor to permanently record such data.

3. RATIO OF APPRENTICES TO JOURNEYWORKERS:

The ratio of apprentices to journeyworkers shall be established in the applicable CBA, or as agreed to by the JATC.

This ratio will be defined as no more than one (1) apprentice for each journeyworker on the job site, and no less than one (1) apprentice for each five (5) journeyworkers in the JATC workforce provided that there is a supply of work predictably available to keep such a number of apprentices effectively employed.

4. APPRENTICE WAGE SCHEDULE:

Apprentices shall be paid a progressively increasing schedule of wages based on a percentage of the current journeyworker wage rate in the JATC's jurisdiction as follows plus applicable fringe benefits, or as indicated in the Collective Bargaining Agreement.

6 Semester/Level Hybrid Approach:

1st RI level + OJL competencies - ____%
2nd RI level + OJL competencies - ____%
3rd RI level + OJL competencies - ____%

4th RI level + OJL competencies - __%
5th RI level + OJL competencies - __%
6th RI level + OJL competencies - __%

8 Semester/Level Hybrid Approach:

1st RI level + OJL competencies - ____%
2nd RI level + OJL competencies - ____%
3rd RI level + OJL competencies - ____%
4th RI level + OJL competencies - ____%

5th RI level + OJL competencies - __%
6th RI level + OJL competencies - __%
7th RI level + OJL competencies - __%
8th RI level = OJL competencies - __%

5. SCHEDULE OF WORK EXPERIENCE

(See attached Work Process Schedule)

6. SCHEDULE OF RELATED INSTRUCTION

(See attached Related Instruction Outline)

*The International Masonry Institute (IMI) and the International Union of Bricklayers and Allied Craftworkers (BAC) designed the National Guidelines for Apprenticeship Standards (“Guidelines”) in cooperation with the Department of Labor to be a model on which local program sponsors would base their apprenticeship programs. Although most of the provisions are anticipated to be, and are, consistent across local programs, others are designed to be flexible to fit the market conditions in the program sponsors’ locations.

For instance, the duration and hours provisions in Appendix A of the Guidelines provide four options for length of the apprenticeship term and hours required for completion – 3 years, 4500 hours; 3 years, 6000 hours; 4 years, 6000 hours; and 4 years, 8000 hours. The precise term is set forth in the collective bargaining agreements in the respective area, and reflects market conditions including weather (which particularly impacts trades in which much work is performed outdoors), volume of work, and complexity of work. While in many areas, 2000 hours per year is not attainable because of market conditions, in other areas it is and local programs may choose to shorten programs so that apprentices graduate and become a journeyworker Craftworkers faster. In those areas where the market cannot bear 2000 hours per year, the Guidelines set forth programs that would call for 1500 hours per year. We believe that flexible Guidelines are essential so that local program sponsors are not bound by conditions that are not reflective of their contracts or their markets.

**WORK PROCESS SCHEDULE
 STONEMASON (HYBRID APPROACH)
 O*NET SOC-CODE: 47-2022.00 RAPIDS CODE: 0540HY**

<u>WORK PROCESSES</u>	<u>3 YR Min</u>	<u>3 YR Max</u>	<u>4 YR Min</u>	<u>4 YR Max</u>
Safe Use and Maintenance, of all Related Trade Tools and Equipment	262.5	350	350	450
Preparing Sub-Straits for Stone Installation(all Vertical and Horizontal Applications)	225	300	300	400
Installing Anchoring Systems	112.5	150	150	250
Setting Stone, Natural, Cast, and Pre-Cast concrete, using Traditional and Modern Anchoring Methods (Vertical Applications)	1,125	1,500	1,500	2,125
Setting Stone, Natural and Cast. Using all Traditional and Modern Methods (Horizontal Applications)	1,125	1,500	1,500	2,125
Mixing Mortars	60	80	80	180
Stone Maintenance and Restoration	150	200	200	300
Pointing, Caulking, and Cleaning and Grouting	93.75	125	125	150
Stone Fabrication	168.75	225	225	250
Cutting and Carving Stone	900	1,200	1,200	1,400
Welding, Certified as Required	270	360	360	360
Installation of AAC Panels and Blocks	7.5	10	10	10
TOTAL HOURS	4500	6000	6000	8000

**RELATED INSTRUCTION OUTLINE
 STONEMASON (HYBRID APPROACH)
 O*NET-SOC CODE: 47-2022.00 RAPIDS CODE: 0540HY**

	1st	2nd	3rd	4th
Orientation	12			
OSHA Construction Safety 1926 30 hour	30			
CPR / First Aid		16		
Scaffold Safety Qualification	06			
Drugs and Alcohol	04			
Diversity in the Work Place	02			
Materials Safety Data Sheet	01			
Trade and Labor History	24			
Use of Tools and Equipment	04			
Introduction to Stone (Geology, quarrying)	37			
Cleaning, Sealing and Finishing		14		
Bonds and Patterns	24			
Trade Mathematics		44	28	28
Masonry Restoration			68	24
Layout from Drawings		08		
Materials Estimating		10		
Sketching		08		
Blueprint Reading		32	32	76
Expansion Joints		04		
Building Code Specifications		08		
Advanced Topics/New Technologies			16	16
Total Hours Per Year	144	144	144	144



International Masonry Institute OJL Evaluation for Stone Masons

Safe Use and Maintenance of all Related Trade Hand Tools and Equipment

Requirement One – Stone Hand Tools - Hammers

Provided with the listed hand tool required for demolition, the worker must be able to demonstrate without error the proper use of each specific hammer including, but not limited to:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Claw hammer
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Axe hammer
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Stone/spalling hammer
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Bush/mash/drilling hammer
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Drilling hammer
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Combination hammer
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Brick hammer
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pick hammer
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Prospecting hammer
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Bolster/patent hammer
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mallets – rubber, wood or rawhide
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Carving hammers, square and round heads
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Stone Masons

Safe Use and Maintenance of all Related Trade Hand Tools and Equipment

Requirement Two – Stone Hand Tools - Chisels and Cutting Tools

Provided with the listed hand tool required, the worker must be able to demonstrate without error the proper use of each specific steel and/or carbide tipped chisel and cutting tool including, but not limited to:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Flat chisel
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Point chisel
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Star chisel
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Tracing chisel
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Hand set/pitching tool
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Toothed chisel
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Plugging/raglan chisel
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Combination rasp/file
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____-_____-_____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Stone Masons

Safe Use and Maintenance of all Related Trade Hand Tools and Equipment

Requirement Three – Stone Hand Tools - Lifting devices

Provided with the listed hand tool, the worker must be able to demonstrate without error the proper use of each specific tool including, but not limited to:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Lewis pins
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Box lewis
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Granite clamp
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Nylon straps
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pressure clamp
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Suction cups
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Chain fall
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Come-along
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____-_____-_____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Stone Masons

Safe Use and Maintenance of all Related Trade Hand Tools and Equipment

Requirement Four – Stone Hand Tools -Setting

Provided with the listed hand tool, the worker must be able to demonstrate without error the proper use of each specific tool including, but not limited to:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pinch/pry/crookie/setting bar
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Rollers
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Wooden wedges
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Monument cart/dollies
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Setting pins
			Clamps:
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	C-clamp
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Bar clamp
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with his section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Stone Masons

Safe Use and Maintenance of all Related Trade Hand Tools and Equipment

Requirement Five – Stone Hand Tools - Trowels

Provided with the listed hand tool, the worker must be able to demonstrate without error the proper use of each specific trowel including, but not limited to:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Margin trowels
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pointing trowels
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mason trowels
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Flat trowel and hawk
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Stone Masons

Safe Use and Maintenance of all Related Trade Hand Tools and Equipment

Requirement Six – Stone Hand Tools - Jointers

Provided with the listed hand tool, the worker must be able to demonstrate without error the proper use of each specific tool including, but not limited to:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Flat
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concave Jointer
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Convex Jointer
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V Jointer
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Box Jointer
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Ribbon Jointer
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Stone Masons

Safe Use and Maintenance of all Related Trade Hand Tools and Equipment

Requirement Seven – Stone Hand Tools - Measuring Tools

Provided with the listed hand tool, the worker must be able to demonstrate without error the proper use of each specific tool including but not limited to:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Folding rule
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Metal tape: standard, metric and engineer
			Squares
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Bevel
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	T-square
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Combination
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Framing
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Chalklines
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Plumb bobs and range lines
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Compass/trammel point
			Levels
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Laser
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mason's
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Transits
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Water levels
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Stone Masons

Safe Use and Maintenance of all Related Trade Hand Tools and Equipment

Requirement Eight – Stone Hand Tools – Miscellaneous

Provided with the listed hand tool, the worker must be able to demonstrate without error the proper use of each specific tool including, but not limited to:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Plug/Feather or Wedges/Shims
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Socket sets
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Wrenches
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Torque wrench
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pliers/side cutters
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Utility knife
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pencils and markers
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements and appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Stone Masons

Use and Maintenance of Hand Tools

Requirement Nine – Miscellaneous – Power

Provided with the listed miscellaneous power tool, the worker must be able to demonstrate without error the proper use of each specific tool including, but not limited to:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Caulking cutters
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Electrical/extension cords
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Ground Faults (GFIs)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Generators
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Stone Masons

Safe Use and Maintenance of all Related Trade Power Tools and Equipment

Requirement One – Stone Power Tools

Provided with the listed power tool, the worker must be able to demonstrate without error the proper use of each specific tool including, but not limited to:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Power drills:
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Hammer drill
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Variable speed drill
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cord less drill
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pneumatic drill
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Angle grinders/polisher
			Saws
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Worm drive or equivalent
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Chop saw
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Bridge saw
			Chipping gun
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pneumatic
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Electric
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Stone Masons

Safe Use and Maintenance of all Related Trade Power Tools and Equipment

Requirement Two – Stone Equipment and Material Handling

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to operate and handle stone equipment and materials adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Powered industrial lift trucks
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Aerial lifts
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Guillotines
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pulleys and hoists
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Monorail system
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Stone Masons
Preparing Sub-Straits for Stone Installations (Vertical and Horizontal)

Requirement One – Horizontal Preparation for Applications – Paving

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to prepare horizontal applications for paving adhering to the following specific criteria

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans and preps surface
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Repairs any damage to the surface
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies waterproof coatings as required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies slurry or bond coat
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies setting bed/dry pack
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Screeds to proper elevation
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Dusts screeding with pure cement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sprinkles setting bed with water
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Chooses stones for proper color match/blending
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans the back of the stone
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies slurry coat to the back of the stone
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sets the stone to proper elevation
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans any excess cement from stone face
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Stone Masons

Preparing Sub-Straits for Stone Installations (Vertical and Horizontal)

Requirement Two – Vertical Preparation for Applications

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to prepare vertical applications adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Repairs sub-straits necessary
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs flashing, waterproofing or drainage mat
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs air barrier as required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs insulation as required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Secures anchors and ties as required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Stone Masons

Preparing Sub-Straits for Stone Installations (Vertical and Horizontal)

Requirement Three – Installing Anchoring Systems

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to install anchoring systems adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies anchoring system per specs Cane rod system
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verifies proper location of eye rod
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs rod as wall is built
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Ensures that rod is completely surrounded by mortar in the collar joint
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Track-system
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Lays out grid system
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verifies plumb, level and in line with wall layout
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Attaches track system to back up wall
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Stainless steel strapanchors
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Demonstrates proper installation as stone wall is built -
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Copper/stainless/brass wires
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Demonstrates proper installation as stone wall is built
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Welded attachment system
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Performs welds as prescribed on welding diagram
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inspects andre-seals waterproofing as necessary
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Stone Masons

Setting Stone – Vertical Applications

Requirement One – Dimension Stone-A

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to install dimension stone in vertical applications adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies area where work is to be performed
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks for safety equipment
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies appropriate tools and equipment for the job assigned
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Establishes a safety zone
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies and demonstrates use of appropriate PPE
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Locates stone according to project drawings
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks sub-strait and prepares as necessary
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks for appropriate flashing and waterproofing systems per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Chooses appropriate lifting device
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Attaches stone to lifting device
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies waterproofing to back of stone if required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Assures that stone is moved so that it's not damaged
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verifies location and accuracy of preexisting anchors/kerfs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Prepares setting bed with mortar or shims as required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Moves stone into place
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks stone for level, plumb and wall line
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Anchors stone with appropriate anchoring system per specs

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Stone Masons

Setting Stone – Vertical Applications

Requirement One – Dimension Stone - B

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to install dimension stone in vertical applications adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If welding, appropriate welding certification required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Protects surrounding area
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Demonstrates proper welding technique for the application
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs anchors as required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Finish joints according to specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans stone face of excess mortar and dirt
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies water resistant application per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Stone Masons

Setting Stone – Vertical Applications

Requirement Two – Ashlar and Rubble Stone – A

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to install ashlar and rubble stone in vertical applications adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies area where work is to be performed
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks walking and wheeling surfaces
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks for safety equipment
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies appropriate tools and equipment for the job assigned
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Establishes a safety zone
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies and demonstrates use of appropriate PPE
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Check sub strait and repair as necessary
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Check for appropriate flashing, drainage and moisture control system per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Demonstrates ability to establish wall line per project drawings and specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Establishes control joints as required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Prepares appropriate mortar for the application per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Demonstrates ability to dress the stone to match wall pattern

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Stone Masons

Setting Stone – Vertical Applications

Requirement Two – Ashlar and Rubble Stone – B

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to install ashlar and rubble stone in vertical applications adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies mortar to establish full compacted bed and head joints
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs stone and orients to wall line
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs wall tie or anchoring system per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Finishes joints according to specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans wall of excess mortar as required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Protects finished work according to weather conditions per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies water resistant application per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Stone Masons

Material Handling

Requirement One – Material Storage and Staging

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to stage and store material adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Locates area where material is to be stored
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Prepares storage/staging area to receive stone
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inventories and inspects materials deliveries
			Demonstrates proper material handling techniques
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Rigging
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Lifting
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Stacking
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Stages material appropriate to work flow
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Positions crates or pallets for safe access to materials
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Protects material from weather, staining and damage
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Stone Masons

Mixing Stone Mortars

Requirement One – Hand Mixing

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to hand mix stone mortars adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies type of mortar per the specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses the proper PPE
			Demonstrates ability to gather proper materials for the mix
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sand, fine or coarse aggregate
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Portland Cement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Hydrated lime
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Additives as required per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potable water
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gathers proper tools and equipment
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Adds sand to mixing box
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Adds lime and cement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cuts dry mix with a hoe until ingredients are thoroughly blended
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gradually add water and mix thoroughly to desired consistency
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Allows adequate time for mortar to hydrate and re-temper to desired consistency per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans tools and equipment after each use
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Stone Masons

Mixing Stone Mortars

Requirement Two – Machine Mixing

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to hand mix stone mortars adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies type of mortar per the specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses the proper PPE
			Demonstrates ability to gather proper materials for the mix
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sand, fine or coarse aggregate
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Portland Cement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Hydrated lime
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Additives as required per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potable water
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gathers proper tools and equipment
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks mixer for safe operation
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Adds half desired amount of water to the mixer
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Adds half desired amount of sand
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Adds half desired amounts of Portland Cement and lime
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gradually add remaining water, sand, Portland cement and lime
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Allows to mix for 10 minutes or according to spec
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Transports mortar to desired location
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans tools and equipment after each use
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Stone Masons

Mixing Stone Mortars

Requirement Three – Mixing Dry Pack

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to hand mix dry pack mortars adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
			Demonstrates ability to gather proper materials for the mix
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Coarse aggregate (sand)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Portland Cement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Additives as required per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potable Water
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gathers proper tools and equipment
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mixes ingredients according to standard procedures to desired consistency
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Transports dry pack to desired location
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans tools and equipment after each use
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required.

Apprentice Name: _____

Date: _____-_____-_____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Stone Masons

Stone Maintenance and Restoration

Requirement One – A

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to perform stone maintenance and restoration adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies area where work is to be performed
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks for safety equipment
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies appropriate tools and equipment for the job assigned
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Establishes a safety zone
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies and demonstrates use of appropriate PPE
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Visually inspects areas to be repaired/restored
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies method or technique to use
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies materials to be replaced
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Chooses compatible material for repair to match adjacent areas
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Prepares the area to be restored according to specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Properly removes damaged material
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Replaces wall tie system as needed
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs stone to match adjacent area

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Stone Masons

Stone Maintenance and Restoration

Requirement One – B

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to perform stone maintenance and restoration adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Repairs mortar joints to match adjacent area
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans any excess cement from stone face
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Protects finished work until cured
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies coating if required in specifications
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Stone Masons

Pointing, Caulking, Cleaning and Grouting

Requirement One – Pointing – A

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate the ability to point masonry units adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies area to be pointed
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks scaffold for safe erection
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Reviews and follows all MSDS directions for the materials to be used
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Establishes a safety zone underneath the work area
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies and demonstrates use of appropriate PPE
			Removes mortar per the techniques required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Hammer and chisel
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pneumatic tools
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Grinding/diamond blades or carborundum
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Chipping hammer
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Saw
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans joints and prepares the area for pointing
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pre-hydrates the area
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Allows water to be absorb

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Stone Masons

Pointing, Caulking, Cleaning and Grouting

Requirement One – Pointing – B

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate the ability to point masonry units adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies proper mixing ratio per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Thoroughly mix the materials dry
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pre-hydrates mortar mixture
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Adds remaining water to achieve desired consistency
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Begins to re-point the joints in lifts as required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Re-points an area and finishes the joints with proper profile
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	When mortar is thumb print hard, removes excess tags and brushes down
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Re-hydrates the was as necessary
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans the wall with mild solution if required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans adjacent area
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Disposes of material properly
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Stone Masons

Stone Fabrication

Requirement One

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to fabricating stone adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies area where work is to be performed
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks for safety equipment
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies appropriate tools and equipment for the job assigned
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Establishes a safety zone
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies and demonstrates use of appropriate PPE
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies method or technique to use
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies materials to be fabricated
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fabricates stone surfaces to desired dimensions and finish per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Stone Masons

Cultured Stone/Natural Stone/Adhered Veneer

Requirement One – Cultured Stone and Adhered Veneer

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error to lay cultured stone and adhered veneer meeting the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows proper layout according to plans and specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses appropriate anchor ties and wall wire
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Demonstrates proper handling of materials
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses proper mortar and adhesives
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs parge base coat as required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Demonstrates back butter units per manufacturer’s recommendations
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Demonstrates use of grout bag to fill the joints
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Tools and finishes per the required contour
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows proper cleaning procedures
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Properly protects finished work
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Stone Masons

Cutting and Carving Stone

Requirement One

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to cut and carve stone adhering to the following specific criteria:

Mastery	with Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies stone to be cut/carved
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks for safety equipment
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies and demonstrates use of appropriate PPE
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Chooses appropriate tools and equipment for the specific material
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Establishes a safety zone
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cuts/carves stone according to desired shape and or dimensions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____

**WORK PROCESS SCHEDULE
TERRAZZO WORKER (HYBRID APPROACH)
O*NET-SOC CODE: 47-2053.00 RAPIDS CODE: 0568HY**

1. TERM OF APPRENTICESHIP

The minimum term of this occupation shall be either three (3) years with an on-the-job learning (OJL) attainment of 4500-6000 hours supplemented by the required hours of related instruction, or four (4) years with an OJL attainment of 6000-8000 hours supplemented by the required hours of related instruction. JATCs will identify whether using a 3 or 4 year term depending on the CBA.

2. HYBRID APPROACH

The minimum requirements for this hybrid approach shall be either three (3) years, with an on-the-job learning (OJL) attainment of 4500-6000 hours supplemented by the required hours of related technical instruction, or four (4) years with an OJL attainment of 6000-8000 hours supplemented by the required hours of related instruction.

Upon completion of each of the segments of related instruction, the apprentice consults with the Training Coordinator and receives the corresponding OJL Competencies form for that component. These OJL forms shall be submitted to be completed entirely and validated by the signature of the on-site supervisor, after verifying with the Journeyworkers who have been instructing and observing the apprentices progress on the job sites, that each of the elements segments have been mastered by the apprentice. The On-Site-Supervisor and the Training Coordinator must attest on the form that each component has been mastered by the apprentice to the level of a typical Journeyworker in that occupation.

Upon successfully completing all the competencies in that skill grouping the apprentice shall have the clearly completed and signed forms submitted and recorded into the program's Training Management System by the programs Training Coordinator

3. RATIO OF APPRENTICES TO JOURNEYWORKERS

The ratio of apprentices to journeyworkers is established in the applicable CBA or as agreed to by the JATC.

This ratio will be defined as no more than one (1) apprentice for every one (1) journeyworker, and no less than one (1) apprentice for every five (5) journeyworkers provided that there is a supply of work predictably available to keep such a number of apprentices effectively employed.

4. APPRENTICE WAGE SCHEDULE

Apprentices shall be paid a progressively increasing schedule of wages based on a percentage of the current journeyworker wage rate in the JATC's jurisdiction as follows plus applicable fringe benefits, or as indicated in the CBA.

3 Year Term Example:

1 st 6 months + hours - ___%	4 th 6 months + hours - ___%
2 nd 6 months + hours - ___%	5 th 6 months + hours - ___%
3 rd 6 months + hours - ___%	6 th 6 months + hours - ___%

4 Year Term Example:

1 st 6 months + hours - ___%	5 th 6 months + hours - ___%
2 nd 6 months + hours - ___%	6 th 6 months + hours - ___%
3 rd 6 months + hours - ___%	7 th 6 months + hours - ___%
4 th 6 months + hours - ___%	8 th 6 months + hours - ___%

5. SCHEDULE OF WORK EXPERIENCE

(See attached Work Process Schedule)

6. SCHEDULE OF RELATED INSTRUCTION

(See attached Related Instruction Outline)

*The International Masonry Institute (IMI) and the International Union of Bricklayers and Allied Craftworkers (BAC) designed the National Guidelines for Apprenticeship Standards (“Guidelines”) in cooperation with the Department of Labor to be a model on which local program sponsors would base their apprenticeship programs. Although most of the provisions are anticipated to be, and are, consistent across local programs, others are designed to be flexible to fit the market conditions in the program sponsors’ locations.

For instance, the duration and hours provisions in Appendix A of the Guidelines provide four options for length of the apprenticeship term and hours required for completion – 3 years, 4500 hours; 3 years, 6000 hours; 4 years, 6000 hours; and 4 years, 8000 hours. The precise term is set forth in the collective bargaining agreements in the respective area, and reflects market conditions including weather (which particularly impacts trades in which much work is performed outdoors), volume of work, and complexity of work. While in many areas, 2000 hours per year is not attainable because of market conditions, in other areas it is and local programs may choose to shorten programs so that apprentices graduate and become a journeyworker Craftworkers faster. In those areas where the market cannot bear 2000 hours per year, the Guidelines set forth programs that would call for 1500 hours per year. We believe that flexible Guidelines are essential so that local program sponsors are not bound by conditions that are not reflective of their contracts or their markets.

**WORK PROCESS SCHEDULE
TERRAZZO WORKER (HYBRID APPROACH)
O*NET-SOC CODE: 47-2053.00 RAPIDS CODE: 0568HY**

<u>WORK PROCESSES</u>	<u>3 YR Min</u>	<u>3 YR Max</u>	<u>4 YR Min</u>	<u>4 YR Max</u>
Safe Use and Maintenance of Related Trade Tools and Equipment	262.5	350	350	450
Layout Terrazzo Work, using Necessary Tools and Techniques (Vertical and Horizontal Applications)	525	700	700	900
Preparation of Sub-Surfaces for Terrazzo Installations including Waterproofing (Vertical and Horizontal)	600	800	800	1,000
Install Divider Strips as Job specified (to include Cutting and/or Placing Control Joints)	393.75	525	525	925
Install Horizontal Terrazzo, Cementitious, and Alternate/Epoxy Resinous Systems (to include Standard, Venetian, Palladian and Seamless Applications)	637.5	850	850	1,200
Install Vertical Terrazzo, Cementitious and Alternate/Epoxy Resinous Systems	900	1,200	1,200	1,400
Install Terrazzo Stairs (Treads and Risers)	262.5	350	350	550
Cast and Install, Pre-Cast Terrazzo Elements	300	400	400	500
Patch and Repair Terrazzo	168.75	225	225	325
Machine Grind, Polish, Wash, Seal and Protect Terrazzo	450	600	600	750
TOTAL HOURS	4500	6000	6000	8000

**RELATED INSTRUCTION OUTLINE
TERRAZZO WORKER (HYBRID APPROACH)
O*NET-SOC CODE: 47-2053.00 RAPIDS CODE: 0568HY**

	1st	2nd	3rd	4th
Orientation	12			
OSHA Construction Safety 1926 30 hour	30			
CPR/First Aid		16		
Scaffold Safety Qualification	06			
Drugs and Alcohol	04			
Diversity in the Work Place	02			
Materials Safety Data Sheet	01			
Trade and Labor History	24			
Use of Tools and Equipment	04			
Mortar Mixing/Bonding materials	13			
Review Terrazzo Industry and Terrazzo Materials Handling	12			
Grouting/Caulking/Terrazzo Care	16			
Atypical Terrazzo	20			
Trade Mathematics		48	28	28
Pools		08	40	
Columns		08	36	
Layout Methodology		20		
Fountains		08		
Expansion Joints		04		
Blueprint Reading		32	32	96
Advanced Topics/New Technologies			08	20
Total Hours Per Year	144	144	144	144

**WORK PROCESS SCHEDULE
TERRAZZO WORKER (TIME-BASED APPROACH)
O*NET-SOC CODE: 47-2053.00 RAPIDS CODE: 0568**

1. TERM OF APPRENTICESHIP

The term of this occupation shall be either an on-the-job learning (OJL) attainment of 3 years, 4500 hours; 3 years, 6000 hours; 4 years, 6000 hours; or 4 years, 8000 hours supplemented by the required hours of related technical instruction.

2. TIME-BASED APPROACH

The JATC will identify to the Registration Agency whether it is registering a 3 or 4 year term depending on the applicable Collective Bargaining Agreement. The JATC will also identify the required OJL attainment for the term in the following work process schedule (3 years, 4500 hours; 3 years, 6000 hours; 4 years, 6000 hours; or 4 years, 8000 hours).

3. RATIO OF APPRENTICES TO JOURNEYWORKERS

The ratio of apprentices to journeyworkers is established in the applicable Collective Bargaining Agreement, or as agreed to by the JATC.

This ratio will be defined as no more than one (1) apprentice for each journeyworker on the jobsite, and no less than one (1) apprentice for every five (5) journeyworkers provided that there is a supply of work predictably available to keep such a number of apprentices effectively employed.

4. APPRENTICE WAGE SCHEDULE

Apprentices shall be paid a progressively increasing schedule of wages based on a percentage of the current journeyworker wage rate in the JATC's jurisdiction, as follows, plus applicable fringe benefits, or as indicated in the Collective Bargaining Agreement.

3 Year – 4500 hour Term Example:

1 st 6 months + 750 hours – 50%	4 th 6 months + 750 hours – 80%
2 nd 6 months + 750 hours – 60%	5 th 6 months + 750 hours – 90%
3 rd 6 months + 750 hours – 70%	6 th 6 months + 750 hours – 95%

4 Year – 6000 hour Term Example:

1 st 6 months + 750 hours – 50%	5 th 6 months + 750 hours – 70%
2 nd 6 months + 750 hours – 55%	6 th 6 months + 750 hours – 75%
3 rd 6 months + 750 hours – 60%	7 th 6 months + 750 hours – 80%
4 th 6 months + 750 hours – 65%	8 th 6 months + 750 hours – 90%

3 Year – 6000 hour Term Example:

1 st 6 months + 1000 hours – 50%	4 th 6 months + 1000 hours – 80%
2 nd 6 months + 1000 hours – 60%	5 th 6 months + 1000 hours – 90%
3 rd 6 months + 1000 hours – 70%	6 th 6 months + 1000 hours – 95%

4 Year – 8000 hour Term Example:

1 st 6 months + 1000 hours – 50%	5 th 6 months + 1000 hours – 70%
2 nd 6 months + 1000 hours – 55%	6 th 6 months + 1000 hours – 75%
3 rd 6 months + 1000 hours – 60%	7 th 6 months + 1000 hours – 80%
4 th 6 months + 1000 hours – 65%	8 th 6 months + 1000 hours – 90%

Current Journeyworker Wage Rate \$ _____ per hour.

5. SCHEDULE OF WORK EXPERIENCE

(See attached Work Process Schedule)

The JATC must enter the appropriate number of hours in the work process schedule under either the 3 or 4 year columns, whichever is applicable. Samples of both are provided. JATCs may add to the work processes prior to submitting these Standards to the appropriate Registration Agency for approval.

6. SCHEDULE OF RELATED INSTRUCTION

(See attached Related Instruction Outline)

*The International Masonry Institute (IMI) and the International Union of Bricklayers and Allied Craftworkers (BAC) designed the National Guidelines for Apprenticeship Standards (“Guidelines”) in cooperation with the Department of Labor to be a model on which local program sponsors would base their apprenticeship programs. Although most of the provisions are anticipated to be, and are, consistent across local programs, others are designed to be flexible to fit the market conditions in the program sponsors’ locations.

For instance, the duration and hours provisions in Appendix A of the Guidelines provide four options for length of the apprenticeship term and hours required for completion – 3 years, 4500 hours; 3 years, 6000 hours; 4 years, 6000 hours; and 4 years, 8000 hours. The precise term is set forth in the collective bargaining agreements in the respective area, and reflects market conditions including weather (which particularly impacts trades in which much work is performed outdoors), volume of work, and complexity of work. While in many areas, 2000 hours per year is not attainable because of market conditions, in other areas it is and local programs may choose to shorten programs so that apprentices graduate and become a journeyworker Craftworkers faster. In those areas where the market cannot bear 2000 hours per year, the Guidelines set forth programs that would call for 1500 hours per year. We believe that flexible Guidelines are essential so that local program sponsors are not bound by conditions that are not reflective of their contracts or their markets.

**WORK PROCESS SCHEDULE
TERRAZZO WORKER (TIME-BASED APPROACH)
O*NET-SOC CODE: 47-2053.00 RAPIDS CODE: 0568**

<u>WORK PROCESSES</u>	<u>3 YR/4500</u>	<u>3 YR/6000</u>	<u>4 YR/6000</u>	<u>4 YR/8000</u>
Safe Use and Maintenance of Related Trade Tools and Equipment	262.5	350	350	450
Layout Terrazzo Work, using Necessary Tools and Techniques (Vertical and Horizontal Applications)	525	700	700	900
Preparation of Sub-Surfaces for Terrazzo Installations including Waterproofing (Vertical and Horizontal)	600	800	800	1,000
Install Divider Strips as Job specified (to include Cutting and/or Placing Control Joints)	393.75	525	525	925
Install Horizontal Terrazzo, Cementitious, and Alternate/Epoxy Resinous Systems (to include Standard, Venetian, Palladian and Seamless Applications)	637.5	850	850	1,200
Install Vertical Terrazzo, Cementitious and Alternate/Epoxy Resinous Systems	900	1,200	1,200	1,400
Install Terrazzo Stairs (Treads and Risers)	262.5	350	350	550
Cast and Install, Pre-Cast Terrazzo Elements	300	400	400	500
Patch and Repair Terrazzo	168.75	225	225	325
Machine Grind, Polish, Wash, Seal and Protect Terrazzo	450	600	600	750
TOTAL HOURS	4500	6000	6000	8000

**RELATED INSTRUCTION OUTLINE
TERRAZZO WORKER (TIME-BASED APPROACH)
O*NET-SOC CODE: 47-2053.00 RAPIDS CODE: 0568**

	1st	2nd	3rd	4th
Orientation	12			
OSHA Construction Safety 1926 30 hour	30			
CPR/First Aid		16		
Scaffold Safety Qualification	06			
Drugs and Alcohol	04			
Diversity in the Work Place	02			
Materials Safety Data Sheet	01			
Trade and Labor History	24			
Use of Tools and Equipment	04			
Mortar Mixing/Bonding materials	13			
Review Terrazzo Industry and Terrazzo Materials Handling	12			
Grouting/Caulking/Terrazzo Care	16			
Atypical Terrazzo	20			
Trade Mathematics		48	28	28
Pools		08	40	
Columns		08	36	
Layout Methodology		20		
Fountains		08		
Expansion Joints		04		
Blueprint Reading		32	32	96
Advanced Topics/New Technologies			08	20
Total Hours Per Year	144	144	144	144

**WORK PROCESS SCHEDULE
TILE SETTER (TIME-BASED APPROACH)
O*NET-SOC CODE: 47-2044.00 RAPIDS CODE: 0573**

1. TERM OF APPRENTICESHIP

The JATC will identify to the Registration Agency whether it will be registering a three (3) or four (4)-year term depending on the CBA. The JATC will also identify whether it will be registering a Time-based approach or a Hybrid approach.

2. TIME-BASED APPROACH

The minimum term of this time approach shall be either three (3) years with the attainment of 6000 hours of OJL supplemented with the required hours of Related Instruction, or a four (4) year term with the attainment of 8000 hours of OJL supplemented with the required hours of Related Instruction.

3. RATIO OF APPRENTICES TO JOURNEYWORKERS

The ratio of Apprentices to Journeyworkers shall be established in the applicable CBA, or as agreed to by the JATC.

This ratio will be defined as no more than one (1) Apprentice for each Journeyworker on the job-site, and no less than one (1) Apprentice for each five (5) Journeyworkers in the JATC's workforce provided that there is a supply of work predictably available to keep such a number of apprentices effectively employed.

4. APPRENTICE WAGE SCHEDULE

Apprentices shall be paid a progressively increasing schedule of wages based on a percentage of the current journeyworker wage rate in the JATC's jurisdiction as follows plus applicable fringe benefits, or as indicated in the CBA.

3 Year Term Time Program:

1 st 6 months + OJL hours - _____%	4 th 6 months + OJL hours - _____%
2 nd 6 months + OJL hours - _____%	5 th 6 months + OJL hours - _____%
3 rd 6 months + OJL hours - _____%	6 th 6 months + OJL hours - _____%

4 Year Term Time Program:

1 st 6 months + OJL hours - _____%	5 th 6 months + OJL hours - _____%
2 nd 6 months + OJL hours - _____%	6 th 6 months + OJL hours - _____%
3 rd 6 months + OJL hours - _____%	7 th 6 months + OJL hours - _____%
4 th 6 months + OJL hours - _____%	8 th 6 months + OJL hours - _____%

5. SCHEDULE OF WORK EXPERIENCE

(See attached Work Process Schedule)

The JATC must enter the appropriate number of hours in the work process schedule under either the 3 or 4 year columns, whichever is applicable. Samples of both are

provided. JATCs may add to the work processes prior to submitting these Standards to the appropriate Registration Agency for approval.

6. SCHEDULE OF RELATED INSTRUCTION

(See attached Related Instruction Outline)

*The International Masonry Institute (IMI) and the International Union of Bricklayers and Allied Craftworkers (BAC) designed the National Guidelines for Apprenticeship Standards (“Guidelines”) in cooperation with the Department of Labor to be a model on which local program sponsors would base their apprenticeship programs. Although most of the provisions are anticipated to be, and are, consistent across local programs, others are designed to be flexible to fit the market conditions in the program sponsors’ locations.

For instance, the duration and hours provisions in Appendix A of the Guidelines provide four options for length of the apprenticeship term and hours required for completion – 3 years, 4500 hours; 3 years, 6000 hours; 4 years, 6000 hours; and 4 years, 8000 hours. The precise term is set forth in the collective bargaining agreements in the respective area, and reflects market conditions including weather (which particularly impacts trades in which much work is performed outdoors), volume of work, and complexity of work. While in many areas, 2000 hours per year is not attainable because of market conditions, in other areas it is and local programs may choose to shorten programs so that apprentices graduate and become a journeyworker Craftworkers faster. In those areas where the market cannot bear 2000 hours per year, the Guidelines set forth programs that would call for 1500 hours per year. We believe that flexible Guidelines are essential so that local program sponsors are not bound by conditions that are not reflective of their contracts or their markets.

**WORK PROCESS SCHEDULE
TILE SETTER (TIME-BASED APPROACH)
O*NET SOC CODE: 47-2044.00 RAPIDS CODE: 0573**

<u>WORK PROCESSES</u>	<u>3 YR</u>	<u>4 YR</u>
Repair and Patch Tile Work	300	400
Layout Work and Basics	160	260
Float, Screed, and Scratch Walls as Preparation (Vertical and Horizontal)	1,040	1,440
Install all other types of Substrates (i.e., Blue-Board, Dura-Rock and other Moisture Resistant Back-up Materials)	700	1000
Work Walls (Residential and Commercial)	1,165	1,400
Prepare and Install Showers and Jambs	635	835
Prepare and Install Countertops, Pullman, and Sinks	400	565
Prepare and Install Floors and Steps (All Types) including Precast	580	680
Work Quarry Tile of all Types in all Applications	390	490
Prepare and Install Ceilings	200	300
Prepare and Install Mantels and Hearths Prepare and Install Swimming Pools, Domes, Arches, and Columns	150	200
Clean, Treat, and Seal Surfaces including Waterproofing and Caulking (All Techniques)	180	280
Grouting (All Processes)	100	150
TOTAL HOURS	6000	8000

**RELATED INSTRUCTION OUTLINE
TILE SETTER (TIME-BASED APPROACH)
O*NET SOC CODE: 47-2044.00 RAPIDS CODE: 0573**

	1st	2nd	3rd	4th
Orientation	12			
OSHA Construction Safety 1926 30 hour	30			
CPR/First Aid		16		
Scaffold Safety Qualification	06			
Drugs and Alcohol	04			
Diversity in the Work Place	02			
Materials Safety Data Sheet	01			
Trade and Labor History	24			
Use of Equipment	04			
Mortars and Adhesives	32			
Use of Hand Tools	29			
Cleaning, Sealing and Finishing		24		
Trade Mathematics		48	38	
Blueprint Reading		32	32	104
Layout Methodology		24		
Materials Estimating			34	
Industrial and Labor Relations			24	24
Advanced Topics/New Technologies			16	16
Total Hours Per Year	144	144	144	144



International Masonry Institute OJL Evaluation for Tile Setters

WALLS – THIN SET

Requirement One – Inspection

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to inspect a wall adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Scrapes sweeps and cleans wall as required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks for sound substrate
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Properly fastened and sound framing conditions per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks for correct tolerance per specs:
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Straight
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Flat
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Plumb
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks for painters' overspray
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks that correct substrate material was used
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verifies finish heights
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verifies placement, size and shape of accessories and fixtures
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies any lighting related placement issues
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Documents and reports any discrepancies to supervisor
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Setters

WALLS – THIN SET

Requirement Two – Preparation

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to prepare a wall adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gathers necessary tools and materials
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies tolerances necessary for the material per the specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Corrects any defects in substrate
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verifies corrections by other trades
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: ____ - ____ - ____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Setters

WALLS - THIN SET

Requirement Three - Installation

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to install thin set adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows proper layout according to plans and specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Establishes plumb and level controls
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Spreads bonding material uniformly using correct trowel
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs tile
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Beats in tile and checks for coverage
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Adjust and aligns as necessary
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans work surface
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Setters

WALLS – THIN BED

Requirement One – Inspection

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to inspect a wall adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Scrapes, sweeps and cleans wall as required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks for sound substrate
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Properly fastened and sound framing conditions per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Properly bonded underlayment's
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If contaminants are present, address per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks for correct tolerance per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Straight
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Flat
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Plumb
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks for movement (expansion and control) joints
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If present, verifies location and treats per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Setters

WALLS – THIN BED

Requirement Two – Preparation

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to prepare a wall adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gathers necessary tools and materials
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies tolerances necessary for the material per the specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Corrects any defects in substrate
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verifies corrections by other trades
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Setters

WALLS - THIN BED

Requirement Three - Installation

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to install thin set adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows proper layout according to plans and specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Establishes plumb and level controls
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Spreads bonding material uniformly using correct trowel
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs tile
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Beats in tile and checks for coverage
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Adjusts and aligns as necessary
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans work surface
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: ____ - ____ - ____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Setters

FLOORS – MORTAR BED

Requirement One – Inspection

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to inspect a mortar bed adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Scrapes, sweeps and cleans work surface
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks for sound substrate
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Properly fastened and sound framing conditions per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Properly bonded underlayment's
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If contaminants are present, address per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks for within tolerance per specs and corrects as necessary
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Straight
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Flat
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Level
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks for movement (expansion and control) joints
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If present, verifies location and treats per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Setters

FLOORS –MORTAR BED

Requirement Two A – Preparation-Bonded

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to prepare a bonded mortar bed adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gathers necessary tools and materials
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies tolerances necessary for the material per the specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Corrects-any defects in substrate
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verifies corrections by other trades
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Dampens substrate
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies cementitious bond coat
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies dry pack mortar to wet bond coat
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Setters

FLOORS-MORTAR BED

Requirement Two B – Preparation-Unbonded

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to prepare an unbonded mortar bed adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gathers necessary tools and materials
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies tolerances necessary for the material per the specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Corrects any defects in substrate
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verifies corrections by other trades
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies appropriate cleavage membrane
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs wire reinforcing as required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies dry pack mortar per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Setters

FLOORS-MORTAR BED

Requirement Three – Installation

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to install a mortar bed adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows proper layout according to plans and specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Establishes control and layout lines
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Spreads bonding material uniformly using correct trowel
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs tile
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Beats in tile and check for coverage
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Adjusts and align as necessary
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans work surface
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____-_____-_____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Setters

FLOAT, SCREED and SCRATCH WALLS

Requirement One – Inspection

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to inspect a float, screed or scratch wall adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Scrapes, sweeps and cleans wall
			Checks for sound substrate
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Properly fastened and sound framing conditions per specs
			Checks for within tolerance per specs:
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Straight
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Flat
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Plumb
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks for painters' overspray and correct substrate material
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verifies finish heights
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verifies placement, size and shape of accessories and fixtures
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies any lighting related placement issues
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Documents and reports any discrepancies to supervisor
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Setters

FLOAT, SCREED and SCRATCH WALLS

Requirement Two A – Wood or Steel Framed Wall Preparation

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to prepare a wood or steel framed wall adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gathers necessary tools and materials
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies tolerances necessary for the material per the specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Corrects any defects in framing
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verifies corrections by other trades
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies vapor/moisture barrier
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies lath reinforcing
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies scratch coat per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies mortar bed (float coat) per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____-_____-_____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Setters

FLOAT, SCREED and SCRATCH WALLS

Requirement Two B - Solid Backing Wall Preparation

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to prepare a solid backing wall adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gather necessary tools and materials
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identify tolerances necessary for the material per the specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Correct any defects in framing
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verify corrections by other trades
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Apply vapor/moisture barrier if or as necessary
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Apply lath reinforcing if or as necessary
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Apply scratch/bond coat as necessary per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Apply mortar bed (float coat) per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Setters

FLOAT, SCREED and SCRATCH WALLS

Requirement Three – Installation

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to install a flat, screed or scratch wall adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows proper layout according to plans and specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Establishes control and layout lines
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Spreads bonding material uniformly using correct trowel
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs tile
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Beats in tile and check for coverage
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Adjusts and aligns as necessary
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans work surface
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follow supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____-_____-_____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Setters

PREPARE and INSTALL CEILINGS

Requirement One – Inspection

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to inspect a ceiling adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Scrapes cleans ceiling
			Checks for sound substrate
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Properly fastened and sound framing conditions per specs
			Checks for tolerance per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Straight
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Flat
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Level or pitched as necessary per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks for painters' overspray and that correct substrate material was used
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verifies finish height
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verifies placement, size and shape of accessories and fixtures
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies any lighting related placement issues
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Documents and reports any discrepancies to supervisor
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Setters

PREPARE and INSTALL CEILINGS

Requirement Two A – Wood or Steel Framed Ceiling Preparation

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to prepare a wood or steel framed ceiling adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gather necessary tools and materials
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identify tolerances necessary for the material per the specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Correct any defects in framing
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verify corrections by other trades
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Apply vapor/moisture barrier
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Apply lath reinforcing
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Apply scratch coat per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Apply mortar bed (float coat) per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Setters

PREPARE and INSTALL CEILINGS

Requirement Two B – Solid Backing Ceiling Preparation

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to prepare a solid backing ceiling adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gather necessary tools and materials
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identify tolerances necessary for the material per the specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Correct any defects in framing
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verify corrections by other trades
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Apply vapor/moisture barrier
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Apply lath reinforcing
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Apply scratch coat per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Apply mortar bed (float coat) per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Setters

PREPARE and INSTALL CEILINGS

Requirement Three – Installation

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to install a ceiling adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows proper layout according to plans and specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Establishes control and layout lines
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Spreads bonding material uniformly using correct trowel
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs tile
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Beats in tile and verifies that coverage and bond are acceptable for overhead installation
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Adjust and aligns as necessary
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans work surface
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Setters

PREPARE and INSTALL SHOWER WALLS and FLOORS

Requirement One – Inspection

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to inspect shower walls and floors adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Scrapes, sweeps and cleans area as required
			Checks for sound substrate
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Properly fastened and sound framing conditions per specs
			Checks for within tolerance per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Straight
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Flat
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Plumb and level
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks for painters' overspray and that correct substrate material was used
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verifies finish heights
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verifies placement, size and shape of accessories and fixtures
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies any lighting related placement issues
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Documents and reports any discrepancies to supervisor
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Setters

PREPARE and INSTALL SHOWER WALLS and FLOORS

Requirement Two A – Wood or Steel Framed Wall Preparation

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to prepare a wood or steel framed walls adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gather necessary tools and materials
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identify tolerances necessary for the material per the specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Correct any defects in framing
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks for proper placement of plumbing
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verify corrections by other trades
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Apply vapor/moisture barrier
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies waterproofing per code
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Apply lath reinforcing
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Apply scratch coat per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies mortar bed (float coat) per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____-_____-_____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Setters

PREPARE and INSTALL SHOWER WALLS and FLOORS

Requirement Two B - Solid Backing Wall Preparation

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to prepare a solid backing wall adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gather necessary tools and materials
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identify tolerances necessary for the material per the specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Correct any defects in framing
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks for proper placement of plumbing
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verify corrections by other trades
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Apply vapor/moisture barrier
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies waterproofing per code
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Apply lath reinforcing as necessary
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Apply scratch or bond coat per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Setters

PREPARE and INSTALL SHOWER WALLS and FLOORS

Requirement Two C – Bonded Shower Floor Preparation

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to prepare a bonded shower floor adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gather necessary tools and materials
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identify tolerances necessary for the material per the specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Correct any defects in substrate
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verify corrections by other trades
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inspects drain system and adjust as necessary
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Dampens substrate
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies cementitious bond coat
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies dry pack mortar to pre sloped specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Allows to cure as necessary
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies waterproofing per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Protects weep holes
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies wire reinforced mortar bed and slope per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Setters

PREPARE and INSTALL SHOWER WALLS and FLOORS

Requirement Three – Shower Wall and Floor Installation

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to install shower walls and floors adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows proper layout according to plans and specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verifies adequate slope to drain
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Establishes control and layout lines
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Spreads bonding material uniformly using correct trowel
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs tile
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Beats in tile and checks for coverage
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Adjusts and aligns as necessary
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans work surface
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follow supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Setters

PREPARE and INSTALL COUNTERTOPS, PULLMAN and SINKS - THIN SET METHOD

Requirement One – Inspection

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to inspect countertops, pullman and sinks adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Scrapes, sweeps and cleans surfaces to be tiled Checks for sound substrate
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Properly fastened cabinetry and substrate as required Checks for tolerance per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Straight
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Flat
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Plumb and level
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verify corrections by other trades
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verifies finish heights and opening widths
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verifies placement, size and shape of accessories and fixtures
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Documents and reports any discrepancies to supervisor
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Setters

PREPARE and INSTALL COUNTERTOPS, PULLMAN and SINKS - THIN SET METHOD

Requirement Two A – Thin Set Method Preparation

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to prepare a surface before using the thin set method adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gather necessary tools and materials
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Protects other finishes
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identify tolerances necessary for the material per the specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs and/or corrects substrate as necessary
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Setters

PREPARE and INSTALL COUNTERTOPS, PULLMAN and SINKS - THIN SET METHOD

Requirement Two B – Mortar Method Preparation

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to prepare a surface before using the mortar method adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gather necessary tools and materials
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Protects other finishes
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identify tolerances necessary for the material per the specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs vapor/moisture barrier to counter and splash per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs wire reinforcing to counter and splash per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs punched metal strip or suitable substitute per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sets sink in mortar
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies wall mortar to splash and counter perimeter per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies dry pack mortar to remainder of countertops
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____-_____-_____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Setters

PREPARE and INSTALL COUNTERTOPS, PULLMAN and SINKS - THIN SET METHOD

Requirement Three – Installation

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to install countertops, Pullman and sinks adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows proper layout according to plans and specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Establishes control and layout lines
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Spreads bonding material uniformly using correct trowel
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs tile
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Beats in tile and verifies that coverage and bond are acceptable for overhead installation
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Adjust and aligns as necessary
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans work surface and area
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follow supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____-_____-_____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Setters

INSTALL OTHER TYPES of SUBSTRATES - BACKERBOARD WALLS

Requirement One – Inspection

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to inspect various types of substrates including backer board walls adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>		Checks for sound substrate
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Properly fastened and sound framing conditions per specs
			Checks for within tolerance per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Straight
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Flat
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Plumb and level
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verifies- finish heights
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verifies-placement, size and shape of accessories and fixture openings
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies any lighting related placement issues
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Documents and reports any discrepancies to supervisor
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____-_____-_____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Setters

INSTALL OTHER TYPES of SUBSTRATES - BACKER BOARD WALLS

Requirement Two – Preparation

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to prepare for the installation of substrate backer board walls by adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gather necessary tools and materials
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Protects other finishes
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identify tolerances necessary for the material per the specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Trues framing as necessary to meet installation tolerance
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs and/or corrects substrate/framing as necessary
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Setters

INSTALL OTHER TYPES of SUBSTRATES - BACKER BOARD WALLS

Requirement Three – Installation

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to install substrate backer board walls by adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs vapor barrier
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs backer board with fasteners per manufacturer’s specs and local codes
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies joint treatment per manufacturer’s specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Setters

INSTALL OTHER TYPES of SUBSTRATES - BACKER BOARD FLOORS

Requirement One - Inspection

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to inspect various substrates including backer board floors adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks for sound substrate
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Properly fastened and sound framing conditions per specs
			Checks for within tolerance per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Straight
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Flat
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Level
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verifies finish heights
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verifies placement, size and shape of accessories and fixture openings
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Documents and reports any discrepancies to supervisor
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____-_____-_____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Setters

INSTALL OTHER TYPES of SUBSTRATES - BACKER BOARD FLOORS

Requirement Two – Preparation

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to prepare a surface adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gather necessary tools and materials
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Scrapes, sweeps and cleans
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identify tolerances necessary for the material per the specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Trues existing substrate as necessary to meet installation tolerances
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Protects other finishes
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Setters

INSTALL OTHER TYPES of SUBSTRATES - BACKER BOARD FLOORS

Requirement Three – Installation

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to install substrate backer board floors by adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs backer board with fasteners and adhesives per manufacturer’s specs and codes
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies joint treatment per manufacturer’s specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Setters

SELF LEVELING and OTHER CEMENTITIOUS UNDERLAYMENTS

Requirement One – Inspection

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to inspect for the installation of self leveling and other cementitious underlayment’s adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Scrapes, sweeps and cleans Checks for sound substrate
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Properly fastened and sound framing conditions per specs for wood sub-floors
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Clean, dry and free of contaminants for concrete floors per specs Checks for within tolerance per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Straight
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Flat
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Level
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verifies finish heights
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verifies placement, size and shape of accessories and fixtures
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Documents and reports any discrepancies to supervisor
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Setters

SELF LEVELING and OTHER CEMENTITIOUS UNDERLAYMENTS

Requirement Two – Preparation

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to prepare a surface prior to installing self leveling and other cementitious underlayment’s adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gather necessary tools and materials
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Scrapes, sweeps and cleans area
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identify tolerances necessary for the material per the specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Protects other finishes
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Seals all porous areas that may cause material to escape
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Setters

SELF LEVELING and OTHER CEMENTITIOUS UNDERLAYMENTS

Requirement Three – Installation

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to install self-leveling and other cementitious underlayments by adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies primer per manufacturer’s specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mixes and applies underlayment per manufacturer’s specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	True existing substrate as necessary to meet installation tolerances
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans work area and tools
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor’s Signature: _____ Comments: _____

WORK PROCESS SCHEDULE
CEMENT MASON (HYBRID APPROACH)
O*NET-SOC CODE: 47-2051.00 RAPIDS CODE: 0075HY

1. TERM OF APPRENTICESHIP

The minimum term of this occupation shall be either three (3) years with an on-the-job learning (OJL) attainment of 4500-6000 hours supplemented by the required hours of related instruction, or four (4) years with an OJL attainment of 6000-8000 hours supplemented by the required hours of related instruction. JATCs will identify whether using a 3 or 4 year term depending on the CBA.

2. HYBRID APPROACH

The minimum requirements for this hybrid approach shall be either three (3) years, with an on-the-job learning (OJL) attainment of 4500-6000 hours supplemented by the required hours of related technical instruction, or four (4) years with an OJL attainment of 6000-8000 hours supplemented by the required hours of related instruction.

Upon completion of each of the segments of related instruction, the apprentice consults with the Training Coordinator and receives the corresponding OJL Competencies form for that component. These OJL forms shall be submitted to be completed entirely and validated by the signature of the on-site supervisor, after verifying with the Journeyworkers who have been instructing and observing the apprentices progress on the job sites, that each of the elements segments have been mastered by the apprentice. The On-Site-Supervisor and the Training Coordinator must attest on the form that each component has been mastered by the apprentice to the level of a typical Journeyworker in that occupation.

Upon successfully completing all the competencies in that skill grouping the apprentice shall have the clearly completed and signed forms submitted and recorded into the program's Training Management System by the programs Training Coordinator

3. RATIO OF APPRENTICES TO JOURNEYWORKERS

The ratio of apprentices to journeyworkers is established in the applicable CBA or as agreed to by the JATC.

This ratio will be defined as no more than one (1) apprentice for every one (1) journeyworker, and no less than one (1) apprentice for every five (5) journeyworkers provided that there is a supply of work predictably available to keep such a number of apprentices effectively employed.

4. APPRENTICE WAGE SCHEDULE

Apprentices shall be paid a progressively increasing schedule of wages based on a percentage of the current journeyworker wage rate in the JATC’s jurisdiction as follows plus applicable fringe benefits, or as indicated in the CBA.

3 Year Term Example:

1 st 6 months + hours - ___%	4 th 6 months + hours - ___%
2 nd 6 months + hours - ___%	5 th 6 months + hours - ___%
3 rd 6 months + hours - ___%	6 th 6 months + hours - ___%

4 Year Term Example:

1 st 6 months + hours - ___%	5 th 6 months + hours - ___%
2 nd 6 months + hours - ___%	6 th 6 months + hours - ___%
3 rd 6 months + hours - ___%	7 th 6 months + hours - ___%
4 th 6 months + hours - ___%	8 th 6 months + hours - ___%

5. SCHEDULE OF WORK EXPERIENCE

(See attached Work Process Schedule)

6. SCHEDULE OF RELATED INSTRUCTION

(See attached Related Instruction Outline)

*The International Masonry Institute (IMI) and the International Union of Bricklayers and Allied Craftworkers (BAC) designed the National Guidelines for Apprenticeship Standards (“Guidelines”) in cooperation with the Department of Labor to be a model on which local program sponsors would base their apprenticeship programs. Although most of the provisions are anticipated to be, and are, consistent across local programs, others are designed to be flexible to fit the market conditions in the program sponsors’ locations.

For instance, the duration and hours provisions in Appendix A of the Guidelines provide four options for length of the apprenticeship term and hours required for completion – 3 years, 4500 hours; 3 years, 6000 hours; 4 years, 6000 hours; and 4 years, 8000 hours. The precise term is set forth in the collective bargaining agreements in the respective area, and reflects market conditions including weather (which particularly impacts trades in which much work is performed outdoors), volume of work, and complexity of work. While in many areas, 2000 hours per year is not attainable because of market conditions, in other areas it is and local programs may choose to shorten programs so that apprentices graduate and become a journeyworker Craftworkers faster. In those areas where the market cannot bear 2000 hours per year, the Guidelines set forth programs that would call for 1500 hours per year. We believe that flexible Guidelines are essential so that local program sponsors are not bound by conditions that are not reflective of their contracts or their markets.

WORK PROCESS SCHEDULE
CEMENT MASON_(HYBRID APPROACH)
O*NET-SOC CODE: 47-2051.00 RAPIDS CODE: 0075HY

<u>WORK PROCESSES</u>	<u>3 YR Min</u>	<u>3 YR Max</u>	<u>4 YR Min</u>	<u>4 YR Max</u>
Safe Use and Maintenance of Related Trade Tools and Equipment	225	300	300	350
Use of Levels, Transits, and Lasers	93.75	125	125	250
Set Screeds to Line	525	700	700	800
Straightedge (Rod) and Bullfloat Concrete	675	900	900	1,050
Float and Trowel Concrete to Different Finishes	945	1,260	1,260	1,625
Exposed Aggregate	75	100	100	175
Use of Colors and Other Toppings	93.75	125	125	200
Layout Control Joints and Expansion Joints (Special Designs, Square, Diagonal, etc.)	150	200	200	300
Use of Edgers and Jointers	187.5	250	250	350
Pointing around Steel Encased in Concrete	18.75	25	25	75
Patch Repair and Renovate Concrete	37.5	50	50	100
Rub, Brush, and Acid Wash Concrete	56.25	75	75	125
Dry-Packing and Grouting	75	100	100	150
Set, Pour, and Finish Curb and Gutters	150	200	200	200
Form, Pour, and Finish Sidewalk and Driveways	150	200	200	200

Form, Pour, Strip, and Finish Steps	56.25	75	75	100
Form and Pour Copings, Thresholds, Porches, Plinth-Blocks, etc.	37.5	50	50	75
Apply Dryers and/or Operating Vacuum Mats	18.75	25	25	40
Work Precast (Welding)	30	40	40	60
Use of Epoxies, Polymers, and Bonding Agents	75	100	100	125
Waterproofing and Waterproof Materials	93.75	125	125	175
Guniting and Sandblasting	18.75	25	25	100
Work Magnetite and Composition Asphalt and Mastic installations	18.75	25	25	50
Work Architectural/Reinforced and Ornamental Concrete	56.25	75	75	125
Clean and Seal Concrete Surfaces	150	200	200	300
Running Troweling Machines	225	300	300	400
Use of Laser Screeds	56.25	75	75	125
Forming Valleys and Summits	37.5	50	50	100
Stamping Concrete	18.75	25	25	50
Use of Walk Behind Concrete Saw	56.25	75	75	75
Traprock Topping Running Kelly Float	18.75	25	25	25
Preparation of Sub-Grade	75	100	100	125
TOTAL HOURS	4500	6000	6000	8000

**RELATED INSTRUCTION OUTLINE
CEMENT MASON (HYBRID APPROACH)
O*NET-SOC CODE: 47-2051.00 RAPIDS CODE: 0075HY**

	1st	2nd	3rd	4th
Orientation	12			
OSHA Construction Safety 1926 30 hour	30			
CPR/First Aid		16		
Scaffold Safety Qualification	06			
Drugs and Alcohol	04			
Diversity in the Work Place	02			
Materials Safety Data Sheet	01			
Trade and Labor History	24			
Use of Tools and Equipment	04			
Layout Methodology		08		
Epoxies		08		
Colors and Pigments		08		
Cutting and Grinding Machines	45			
Waterproofing Compounds	08			
Accelerators and Retarders	08			
Trade Mathematics		48	44	24
Lasers and Transits		08		
Freehand Sketching		08	24	
Estimating from Construction Plans		08	12	
Blueprint Reading		32	32	84
Restoration and Retrofitting			24	28
Advanced Topics/New Technologies			08	08
Total Hours Per Year	144	144	144	144

**WORK PROCESS SCHEDULE
CEMENT MASON (TIME-BASED APPROACH)
O*NET-SOC CODE: 47-2051.00 RAPIDS CODE: 0075**

1. TERM OF APPRENTICESHIP

The term of this occupation shall be either an on-the-job learning (OJL) attainment of 3 years, 4500 hours; 3 years, 6000 hours; 4 years, 6000 hours; or 4 years, 8000 hours supplemented by the required hours of related technical instruction.

2. TIME-BASED APPROACH

The JATC will identify to the Registration Agency whether it is registering a 3 or 4 year term depending on the applicable Collective Bargaining Agreement. The JATC will also identify the required OJL attainment for the term in the following work process schedule (3 years, 4500 hours; 3 years, 6000 hours; 4 years, 6000 hours; or 4 years, 8000 hours).

3. RATIO OF APPRENTICES TO JOURNEYWORKERS

The ratio of apprentices to journeyworkers is established in the applicable Collective Bargaining Agreement, or as agreed to by the JATC.

This ratio will be defined as no more than one (1) apprentice for each journeyworker on the jobsite, and no less than one (1) apprentice for every five (5) journeyworkers provided that there is a supply of work predictably available to keep such a number of apprentices effectively employed.

4. APPRENTICE WAGE SCHEDULE

Apprentices shall be paid a progressively increasing schedule of wages based on a percentage of the current journeyworker wage rate in the JATC's jurisdiction, as follows, plus applicable fringe benefits, or as indicated in the Collective Bargaining Agreement.

3 Year – 4500 hour Term Example:

1 st 6 months + 750 hours – 50%	4 th 6 months + 750 hours – 80%
2 nd 6 months + 750 hours – 60%	5 th 6 months + 750 hours – 90%
3 rd 6 months + 750 hours – 70%	6 th 6 months + 750 hours – 95%

4 Year – 6000 hour Term Example:

1 st 6 months + 750 hours – 50%	5 th 6 months + 750 hours – 70%
2 nd 6 months + 750 hours – 55%	6 th 6 months + 750 hours – 75%
3 rd 6 months + 750 hours – 60%	7 th 6 months + 750 hours – 80%
4 th 6 months + 750 hours – 65%	8 th 6 months + 750 hours – 90%

3 Year – 6000 hour Term Example:

1 st 6 months + 1000 hours – 50%	4 th 6 months + 1000 hours – 80%
2 nd 6 months + 1000 hours – 60%	5 th 6 months + 1000 hours – 90%

3rd 6 months + 1000 hours – 70%

6th 6 months + 1000 hours – 95%

4 Year – 8000 hour Term Example:

1st 6 months + 1000 hours – 50%

5th 6 months + 1000 hours – 70%

2nd 6 months + 1000 hours – 55%

6th 6 months + 1000 hours – 75%

3rd 6 months + 1000 hours – 60%

7th 6 months + 1000 hours – 80%

4th 6 months + 1000 hours – 65%

8th 6 months + 1000 hours – 90%

Current Journeyworker Wage Rate \$ _____ per hour.

5. SCHEDULE OF WORK EXPERIENCE

(See attached Schedule of Work Processes)

The JATC must enter the appropriate number of hours in the work process schedule under either the 3 or 4 year columns, whichever is applicable. Samples of both are provided. JATCs may add to the work processes prior to submitting these Standards to the appropriate Registration Agency for approval.

6. SCHEDULE OF RELATED INSTRUCTION

(See attached Schedule of Related Instruction)

*The International Masonry Institute (IMI) and the International Union of Bricklayers and Allied Craftworkers (BAC) designed the National Guidelines for Apprenticeship Standards (“Guidelines”) in cooperation with the Department of Labor to be a model on which local program sponsors would base their apprenticeship programs. Although most of the provisions are anticipated to be, and are, consistent across local programs, others are designed to be flexible to fit the market conditions in the program sponsors’ locations.

For instance, the duration and hours provisions in Appendix A of the Guidelines provide four options for length of the apprenticeship term and hours required for completion – 3 years, 4500 hours; 3 years, 6000 hours; 4 years, 6000 hours; and 4 years, 8000 hours. The precise term is set forth in the collective bargaining agreements in the respective area, and reflects market conditions including weather (which particularly impacts trades in which much work is performed outdoors), volume of work, and complexity of work. While in many areas, 2000 hours per year is not attainable because of market conditions, in other areas it is and local programs may choose to shorten programs so that apprentices graduate and become journeyperson Craftworkers faster. In those areas where the market cannot bear 2000 hours per year, the Guidelines set forth programs that would call for 1500 hours per year. We believe that flexible Guidelines are essential so that local program sponsors are not bound by conditions that are not reflective of their contracts or their markets.

WORK PROCESS SCHEDULE
CEMENT MASON (TIME-BASED APPROACH)
O*NET-SOC CODE: 47-2051.00 RAPIDS CODE: 0075

<u>WORK PROCESSES</u>	<u>3 YR/4500</u>	<u>3 YR/6000</u>	<u>4 YR/6000</u>	<u>4 YR/8000</u>
Safe Use and Maintenance of Related Trade Tools and Equipment	225	300	300	350
Use of Levels, Transits, and Lasers	93.75	125	125	250
Set Screeds to Line	525	700	700	800
Straightedge (Rod) and Bullfloat Concrete	675	900	900	1,050
Float and Trowel Concrete to Different Finishes	945	1,260	1,260	1,625
Exposed Aggregate	75	100	100	175
Use of Colors and Other Toppings	93.75	125	125	200
Layout Control Joints and Expansion Joints (Special Designs, Square, Diagonal, etc.)	150	200	200	300
Use of Edgers and Jointers	187.5	250	250	350
Pointing around Steel Encased in Concrete	18.75	25	25	75
Patch Repair and Renovate Concrete	37.5	50	50	100
Rub, Brush, and Acid Wash Concrete	56.25	75	75	125
Dry-Packing and Grouting	75	100	100	150
Set, Pour, and Finish Curb and Gutters	150	200	200	200
Form, Pour, and Finish Sidewalk and Driveways	150	200	200	200

Form, Pour, Strip, and Finish Steps	56.25	75	75	100
Form and Pour Copings, Thresholds, Porches, Plinth-Blocks, etc.	37.5	50	50	75
Apply Dryers and/or Operating Vacuum Mats	18.75	25	25	40
Work Precast (Welding)	30	40	40	60
Use of Epoxies, Polymers, and Bonding Agents	75	100	100	125
Waterproofing and Waterproof Materials	93.75	125	125	175
Gunite and Sandblasting	18.75	25	25	100
Work Magnetite and Composition Asphalt and Mastic installations	18.75	25	25	50
Work Architectural/Reinforced and Ornamental Concrete	56.25	75	75	125
Clean and Seal Concrete Surfaces	150	200	200	300
Running Troweling Machines	225	300	300	400
Use of Laser Screeds	56.25	75	75	125
Forming Valleys and Summits	37.5	50	50	100
Stamping Concrete	18.75	25	25	50
Use of Walk Behind Concrete Saw	56.25	75	75	75
Traprock Topping Running Kelly Float	18.75	25	25	25
Preparation of Sub-Grade	75	100	100	125
TOTAL HOURS	4500	6000	6000	8000

RELATED INSTRUCTION OUTLINE
CEMENT MASON (TIME-BASED APPROACH)
O*NET-SOC CODE: 47-2051.00 RAPIDS CODE: 0075

	1st	2nd	3rd	4th
Orientation	12			
OSHA Construction Safety 1926 30 hour	30			
CPR/First Aid		16		
Scaffold Safety Qualification	06			
Drugs and Alcohol	04			
Diversity in the Work Place	02			
Materials Safety Data Sheet	01			
Trade and Labor History	24			
Use of Tools and Equipment	04			
Layout Methodology		08		
Epoxies		08		
Colors and Pigments		08		
Cutting and Grinding Machines	45			
Waterproofing Compounds	08			
Accelerators and Retarders	08			
Trade Mathematics		48	44	24
Lasers and Transits		08		
Freehand Sketching		08	24	
Estimating from Construction Plans		08	12	
Blueprint Reading		32	32	84
Restoration and Retrofitting			24	28
Advanced Topics/New Technologies			08	08
Total Hours Per Year	144	144	144	144

**WORK PROCESS SCHEDULE
PLASTERER (HYBRID APPROACH)
O*NET-SOC CODE: 47-2161.00 RAPIDS CODE: 0423HY**

1. TERM OF APPRENTICESHIP

The minimum term of this occupation shall be either three (3) years with an on-the-job learning (OJL) attainment of 4500-6000 hours supplemented by the required hours of related instruction, or four (4) years with an OJL attainment of 6000-8000 hours supplemented by the required hours of related instruction. JATCs will identify whether using a 3 or 4 year term depending on the CBA.

2. HYBRID APPROACH

The minimum requirements for this hybrid approach shall be either three (3) years, with an on-the-job learning (OJL) attainment of 4500-6000 hours supplemented by the required hours of related technical instruction, or four (4) years with an OJL attainment of 6000-8000 hours supplemented by the required hours of related instruction.

Upon completion of each of the segments of related instruction, the apprentice consults with the Training Coordinator and receives the corresponding OJL Competencies form for that component. These OJL forms shall be submitted to be completed entirely and validated by the signature of the on-site supervisor, after verifying with the Journeyworkers who have been instructing and observing the apprentices progress on the job sites, that each of the elements segments have been mastered by the apprentice. The On-Site-Supervisor and the Training Coordinator must attest on the form that each component has been mastered by the apprentice to the level of a typical Journeyworker in that occupation.

Upon successfully completing all the competencies in that skill grouping the apprentice shall have the clearly completed and signed forms submitted and recorded into the program's Training Management System by the programs Training Coordinator

3. RATIO OF APPRENTICES TO JOURNEYWORKERS

The ratio of apprentices to journeyworkers is established in the applicable CBA or as agreed to by the JATC.

This ratio will be defined as no more than one (1) apprentice for every one (1) journeyworker, and no less than one (1) apprentice for every five (5) journeyworkers provided that there is a supply of work predictably available to keep such a number of apprentices effectively employed.

4. APPRENTICE WAGE SCHEDULE

Apprentices shall be paid a progressively increasing schedule of wages based on a percentage of the current journeyworker wage rate in the JATC's jurisdiction as follows plus applicable fringe benefits, or as indicated in the CBA.

3 Year Term Example:

1 st 6 months + hours - ___%	4 th 6 months + hours - ___%
2 nd 6 months + hours - ___%	5 th 6 months + hours - ___%
3 rd 6 months + hours - ___%	6 th 6 months + hours - ___%

4 Year Term Example:

1 st 6 months + hours - ___%	5 th 6 months + hours - ___%
2 nd 6 months + hours - ___%	6 th 6 months + hours - ___%
3 rd 6 months + hours - ___%	7 th 6 months + hours - ___%
4 th 6 months + hours - ___%	8 th 6 months + hours - ___%

5. SCHEDULE OF WORK EXPERIENCE

(See attached Work Process Schedule)

6. SCHEDULE OF RELATED INSTRUCTION

(See attached Related Instruction Outline)

*The International Masonry Institute (IMI) and the International Union of Bricklayers and Allied Craftworkers (BAC) designed the National Guidelines for Apprenticeship Standards (“Guidelines”) in cooperation with the Department of Labor to be a model on which local program sponsors would base their apprenticeship programs. Although most of the provisions are anticipated to be, and are, consistent across local programs, others are designed to be flexible to fit the market conditions in the program sponsors’ locations.

For instance, the duration and hours provisions in Appendix A of the Guidelines provide four options for length of the apprenticeship term and hours required for completion – 3 years, 4500 hours; 3 years, 6000 hours; 4 years, 6000 hours; and 4 years, 8000 hours. The precise term is set forth in the collective bargaining agreements in the respective area, and reflects market conditions including weather (which particularly impacts trades in which much work is performed outdoors), volume of work, and complexity of work. While in many areas, 2000 hours per year is not attainable because of market conditions, in other areas it is and local programs may choose to shorten programs so that apprentices graduate and become a journeyworker Craftworkers faster. In those areas where the market cannot bear 2000 hours per year, the Guidelines set forth programs that would call for 1500 hours per year. We believe that flexible Guidelines are essential so that local program sponsors are not bound by conditions that are not reflective of their contracts or their markets.

**WORK PROCESS SCHEDULE
PLASTERER (HYBRID APPROACH)
O*NET-SOC CODE: 47-2161.00 RAPIDS CODE: 0423**

<u>WORK PROCESSES</u>	<u>3 YR Min</u>	<u>3 YR Max</u>	<u>4 YR Min</u>	<u>4 YR Max</u>
Use of Tools and Equipment	150	200	200	225
Scratching and Browning	375	500	500	650
Lining, Dotting, Screeding	150	200	200	300
White Coating	375	500	500	650
Sandfinishing and Texture Finishing	375	500	500	650
Acoustical Plastering	120	160	160	200
Stucco	375	500	500	650
Acoustical Tile	105	140	140	200
Simulated Acoustics and Acoustical Tile	105	140	140	200
Plaster Veneers	375	500	500	650
Plastic Coatings	300	400	400	475
Fireproofing and Insulating Materials	150	200	200	250
Exposed Aggregate (Marblecrete and Similar Methods of Application)	150	200	200	250
Installation of Exterior Finish Insulating Systems (EFIS)	375	500	500	650
Use of Browning and Finishing Machines	300	400	400	500

PLASTERER CONTINUED

Installation of Cork and Similar Materials	150	200	200	300
Making Molds and Templates	150	200	200	300
Running Cornice and Mitering	150	200	200	300
Sticking Ornaments	120	160	160	200
Laying Out Groins, Arches, Coffered Ceilings, etc.	150	200	200	400
TOTAL HOURS	4500	6000	6000	8000

**RELATED INSTRUCTION OUTLINE
 PLASTERER (HYBRID APPROACH)
 O*NET-SOC CODE: 47-2161.00 RAPIDS CODE: 0423**

	1st	2nd	3rd	4th
Orientation	12			
OSHA Construction Safety 1926 30 hour	30			
CPR/First Aid		16		
Scaffold Safety Qualification	06			
Drugs and Alcohol	04			
Diversity in the Work Place	02			
Materials Safety Data Sheet	01			
Trade and Labor History	24			
Use of Tools and Equipment	04			
Layout Methodology		08		
Preparation of Material	16			
Preparing Proper Plastering Bases	16			
Application of all Plaster Textures		16		
Application of Interior and Exterior Plasters		16		
Dotting, Rodding and Screeding	29			
Benchwork (template)		16	60	
Trade Mathematics		32	28	72
Application of Bases		08		
Blueprint Reading		32	40	56
Advanced Topics/New Technologies			16	16
Total Hours Per Year	144	144	144	144

**WORK PROCESS SCHEDULE
PLASTERER (TIME-BASED APPROACH)
O*NET-SOC CODE: 47-2161.00 RAPIDS CODE: 0423**

1. TERM OF APPRENTICESHIP

The term of this occupation shall be either an on-the-job learning (OJL) attainment of 3 years, 4500 hours; 3 years, 6000 hours; 4 years, 6000 hours; or 4 years, 8000 hours supplemented by the required hours of related technical instruction.

2. TIME-BASED APPROACH

The JATC will identify to the Registration Agency whether it is registering a 3 or 4 year term depending on the applicable Collective Bargaining Agreement. The JATC will also identify the required OJL attainment for the term in the following work process schedule (3 years, 4500 hours; 3 years, 6000 hours; 4 years, 6000 hours; or 4 years, 8000 hours).

3. RATIO OF APPRENTICES TO JOURNEYWORKERS

The ratio of apprentices to journeyworkers is established in the applicable Collective Bargaining Agreement, or as agreed to by the JATC.

This ratio will be defined as no more than one (1) apprentice for each journeyworker on the jobsite, and no less than one (1) apprentice for every five (5) journeyworkers provided that there is a supply of work predictably available to keep such a number of apprentices effectively employed.

4. APPRENTICE WAGE SCHEDULE

Apprentices shall be paid a progressively increasing schedule of wages based on a percentage of the current journeyworker wage rate in the JATC's jurisdiction, as follows, plus applicable fringe benefits, or as indicated in the Collective Bargaining Agreement.

3 Year - 4500 hour Term Example:

1 st 6 months + 750 hours - 50%	4 th 6 months + 750 hours - 80%
2 nd 6 months + 750 hours - 60%	5 th 6 months + 750 hours - 90%
3 rd 6 months + 750 hours - 70%	6 th 6 months + 750 hours - 95%

4 Year - 6000 hour Term Example:

1 st 6 months + 750 hours - 50%	5 th 6 months + 750 hours - 70%
2 nd 6 months + 750 hours - 55%	6 th 6 months + 750 hours - 75%
3 rd 6 months + 750 hours - 60%	7 th 6 months + 750 hours - 80%
4 th 6 months + 750 hours - 65%	8 th 6 months + 750 hours - 90%

3 Year – 6000 hour Term Example:

1 st 6 months + 1000 hours – 50%	4 th 6 months + 1000 hours – 80%
2 nd 6 months + 1000 hours – 60%	5 th 6 months + 1000 hours – 90%
3 rd 6 months + 1000 hours – 70%	6 th 6 months + 1000 hours – 95%

4 Year – 8000 hour Term Example:

1 st 6 months + 1000 hours – 50%	5 th 6 months + 1000 hours – 70%
2 nd 6 months + 1000 hours – 55%	6 th 6 months + 1000 hours – 75%
3 rd 6 months + 1000 hours – 60%	7 th 6 months + 1000 hours – 80%
4 th 6 months + 1000 hours – 65%	8 th 6 months + 1000 hours – 90%

Current Journeyworker Wage Rate \$ _____ per hour.

5. SCHEDULE OF WORK EXPERIENCE

(See attached Schedule of Work Processes)

The JATC must enter the appropriate number of hours in the work process schedule under either the 3 or 4 year columns, whichever is applicable. Samples of both are provided. JATCs may add to the work processes prior to submitting these Standards to the appropriate Registration Agency for approval.

6. SCHEDULE OF RELATED INSTRUCTION

(See attached Schedule of Related Instruction)

*The International Masonry Institute (IMI) and the International Union of Bricklayers and Allied Craftworkers (BAC) designed the National Guidelines for Apprenticeship Standards (“Guidelines”) in cooperation with the Department of Labor to be a model on which local program sponsors would base their apprenticeship programs. Although most of the provisions are anticipated to be, and are, consistent across local programs, others are designed to be flexible to fit the market conditions in the program sponsors’ locations.

For instance, the duration and hours provisions in Appendix A of the Guidelines provide four options for length of the apprenticeship term and hours required for completion – 3 years, 4500 hours; 3 years, 6000 hours; 4 years, 6000 hours; and 4 years, 8000 hours. The precise term is set forth in the collective bargaining agreements in the respective area, and reflects market conditions including weather (which particularly impacts trades in which much work is performed outdoors), volume of work, and complexity of work. While in many areas, 2000 hours per year is not attainable because of market conditions, in other areas it is and local programs may choose to shorten programs so that apprentices graduate and become journeyperson Craftworkers faster. In those areas where the market cannot bear 2000 hours per year, the Guidelines set forth programs that would call for 1500 hours per year. We believe that flexible Guidelines are essential so that local program sponsors are not bound by conditions that are not reflective of their contracts or their markets.

**WORK PROCESS SCHEDULE
PLASTERER (TIME-BASED APPROACH)
O*NET-SOC CODE: 47-2161.00 RAPIDS CODE: 0423**

<u>WORK PROCESSES</u>	<u>3 YR/4500</u>	<u>3 YR/6000</u>	<u>4 YR/6000</u>	<u>4 YR/8000</u>
Use of Tools and Equipment	150	200	200	225
Scratching and Browning	375	500	500	650
Lining, Dotting, Screeding	150	200	200	300
White Coating	375	500	500	650
Sandfinishing and Texture Finishing	375	500	500	650
Acoustical Plastering	120	160	160	200
Stucco	375	500	500	650
Acoustical Tile	105	140	140	200
Simulated Acoustics and Acoustical Tile	105	140	140	200
Plaster Veneers	375	500	500	650
Plastic Coatings	300	400	400	475
Fireproofing and Insulating Materials	150	200	200	250
Exposed Aggregate (Marblecrete and Similar Methods of Application)	150	200	200	250
Installation of Exterior Finish Insulating Systems (EFIS)	375	500	500	650
Use of Browning and Finishing Machines	300	400	400	500

PLASTERER CONTINUED

Installation of Cork and Similar Materials	150	200	200	300
Making Molds and Templates	150	200	200	300
Running Cornice and Mitering	150	200	200	300
Sticking Ornaments	120	160	160	200
Laying Out Groins, Arches, Coffered Ceilings, etc.	150	200	200	400
TOTAL HOURS	4500	6000	6000	8000

**RELATED INSTRUCTION OUTLINE
 PLASTERER (TIME-BASED APPROACH)
 O*NET-SOC CODE: 47-2161.00 RAPIDS CODE: 0423**

	1st	2nd	3rd	4th
Orientation	12			
OSHA Construction Safety 1926 30 hour	30			
CPR/First Aid		16		
Scaffold Safety Qualification	06			
Drugs and Alcohol	04			
Diversity in the Work Place	02			
Materials Safety Data Sheet	01			
Trade and Labor History	24			
Use of Tools and Equipment	04			
Layout Methodology		08		
Preparation of Material	16			
Preparing Proper Plastering Bases	16			
Application of all Plaster Textures		16		
Application of Interior and Exterior Plasters		16		
Dotting, Rodding and Screeding	29			
Benchwork (template)		16	60	
Trade Mathematics		32	28	72
Application of Bases		08		
Blueprint Reading		32	40	56
Advanced Topics/New Technologies			16	16
Total Hours Per Year	144	144	144	144

**WORK PROCESS SCHEDULE
TILE FINISHER (TIME-BASED APPROACH)
O*NET-SOC CODE: 47-3011.00 RAPIDS CODE: 0971**

1. TERM OF APPRENTICESHIP

The JATC will identify to the Registration Agency whether it will be registering a Time-based approach or a Hybrid approach.

2. TIME-BASED APPROACH

The minimum term of a Time-based approach for this occupation is two (2) years, with the attainment of 4000 hours of on-the-job learning (OJL) work experience, and supplemented by the required hours of Related Instruction.

3. RATIO OF APPRENTICES TO JOURNEYWORKERS

The ratio of apprentices shall be established in the CBA, or as agreed to by the JATC.

This ratio will be defined as no more than one (1) apprentice for each Journeyworker on the job site, and no less than one apprentice for each five (5) journeyworkers in the JATC's workforce provided that there is a supply of work predictably available to keep such a number of apprentices effectively employed.

4. APPRENTICE WAGE SCHEDULE

Apprentices shall be paid a progressively increasing schedule of wages based on a percentage of the current journeyworker wage rate in the JATC's jurisdiction as follows plus applicable fringe benefits, or as indicated in the CBA.

2 Year Term Time-Based:

1st RI level + OJL competencies - ____%

2nd RI level + OJL competencies - ____%

5. SCHEDULE OF WORK EXPERIENCE

(See attached Schedule of Work Processes)

The JATC must enter the appropriate number of hours in the work process schedule under either the 3 or 4 year columns, whichever is applicable. Samples of both are provided. JATCs may add to the work processes prior to submitting these Standards to the appropriate Registration Agency for approval.

6. SCHEDULE OF RELATED INSTRUCTION

(See attached Schedule of Related Instruction)

**RELATED INSTRUCTION OUTLINE
 TILE FINISHER (TIME-BASED APPROACH)
 O*NET-SOC CODE: 47-3011.00 RAPIDS CODE: 0971**

	1st	2nd
Orientation	12	
OSHA Construction Safety 1926 30 hour	30	
CPR / First Aid		16
Scaffold Safety Qualification	06	
Drugs and Alcohol	04	
Diversity in the Work Place	02	
Materials Safety Data Sheet	01	
Trade and Labor History	24	
Use of Tools and Equipment	04	
Grouting and Caulking	16	
Tile Industry	08	08
Trade Mathematics	37	24
Blueprint Reading		80
Advanced Topics / New Technologies		16
Total Hours Per Year 144	144	144

WORK PROCESS SCHEDULE
TILE FINISHER (HYBRID APPROACH)
O*NET-SOC CODE: 47-3011.00 RAPIDS CODE: 0971HY

1. TERM OF APPRENTICESHIP

The minimum term of this occupation shall be either two (2) years with an on-the-job learning (OJL) attainment of 3500-4000 hours supplemented by the required hours of related instruction

2. HYBRID APPROACH

The minimum requirements for this hybrid approach shall be either three (2) years, with an on-the-job learning (OJL) attainment of 3500-4000 hours supplemented by the required hours of related technical instruction.

Upon completion of each of the segments of related instruction, the apprentice consults with the Training Coordinator and receives the corresponding OJL Competencies form for that component. These OJL forms shall be submitted to be completed entirely and validated by the signature of the on-site supervisor, after verifying with the Journeyworkers who have been instructing and observing the apprentices progress on the job sites, that each of the elements segments have been mastered by the apprentice. The On-Site-Supervisor and the Training Coordinator must attest on the form that each component has been mastered by the apprentice to the level of a typical Journeyworker in that occupation.

Upon successfully completing all the competencies in that skill grouping the apprentice shall have the clearly completed and signed forms submitted and recorded into the program's Training Management System by the programs Training Coordinator

3. RATIO OF APPRENTICES TO JOURNEYWORKERS

The ratio of apprentices to journeyworkers is established in the applicable CBA or as agreed to by the JATC.

This ratio will be defined as no more than one (1) apprentice for every one (1) journeyworker, and no less than one (1) apprentice for every five (5) journeyworkers provided that there is a supply of work predictably available to keep such a number of apprentices effectively employed.

4. APPRENTICE WAGE SCHEDULE

Apprentices shall be paid a progressively increasing schedule of wages based on a percentage of the current journeyworker wage rate in the JATC's jurisdiction as follows plus applicable fringe benefits, or as indicated in the CBA.

2-Year Term/Level Hybrid:

1st 6 months + OJL hours - _____% 3rd 6 months + OJL hours _____%
2nd 6 months + OJL hours - _____% 4th 6 months + OJL hours _____%

5. SCHEDULE OF WORK EXPERIENCE

(See attached Work Process Schedule)

6. SCHEDULE OF RELATED INSTRUCTION

(See attached Related Instruction Outline)

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For instance, the duration and hours provisions in Appendix A of the Guidelines provide four options for length of the apprenticeship term and hours required for completion – 3 years, 4500 hours; 3 years, 6000 hours; 4 years, 6000 hours; and 4 years, 8000 hours. The precise term is set forth in the collective bargaining agreements in the respective area, and reflects market conditions including weather (which particularly impacts trades in which much work is performed outdoors), volume of work, and complexity of work. While in many areas, 2000 hours per year is not attainable because of market conditions, in other areas it is and local programs may choose to shorten programs so that apprentices graduate and become a journeyworker Craftworkers faster. In those areas where the market cannot bear 2000 hours per year, the Guidelines set forth programs that would call for 1500 hours per year. We believe that flexible Guidelines are essential so that local program sponsors are not bound by conditions that are not reflective of their contracts or their markets.

WORK PROCESS SCHEDULE
TILE FINISHER (HYBRID APPROACH)
O*NET SOC CODE: 47-3011.00 RAPIDS CODE: 0971HY

WORK PROCESSES	<u>2 YR Min</u>	<u>2 YR Max</u>
Grout and Surface (All Types of Tile and Types of Techniques)	977.5	1,150
Methods of Cutting Tile	322.5	350
Preparation of Walls, Floors and Countertops for Mortar Installation	662.5	750
Mix Mortars, Epoxy Resins and Adhesives	662.5	750
Handle and Move Job Site Materials from Stockpile to Point of Installation	467.5	550
Clean, Treat, and Seal Surfaces (all Techniques)	365	400
Use/Maintain Tools & Equipment	42.5	50
TOTAL HOURS	3500	4000

**RELATED INSTRUCTION OUTLINE
TILE FINISHER (HYBRID APPROACH)
O*NET-SOC CODE: 47-3011.00 RAPIDS CODE: 0971HY**

	1st/2nd	3rd/4th
Orientation	12	
OSHA Construction Safety 1926 30 hour	30	
CPR/First Aid		16
Scaffold Safety Qualification	06	
Drugs and Alcohol	04	
Diversity in the Work Place	02	
Materials Safety Data Sheet	01	
Trade and Labor History	24	
Use of Tools and Equipment	04	
Grouting and Caulking	16	
Tile Industry	08	08
Trade Mathematics	37	24
Blueprint Reading		80
Advanced Topics/New Technologies		16
Total Hours per Year	144	144



International Masonry Institute OJL Evaluation for Tile Finishers

GROUTING

Requirement One – Inspection

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to inspect prior to grouting adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks for any residual setting material or foreign matter in the joints or on the surface
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks for any loose, damaged or improperly installed tiles
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies areas to be grouted
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies areas to be caulked or left ungrouted
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Finishers

GROUTING

Requirement Two – Preparation

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to prepare a surface for grouting adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gathers necessary tools and materials
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verifies correct color and type of grout
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Protects adjacent finished surfaces
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans any residual setting material or foreign matter
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Replaces any loose, damaged or improperly installed tiles
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies and protects proper mixing area
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Locates potable water source and disposal area
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Finishers

GROUTING

Requirement Three – Installation

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to install grouting by adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mixes proper quantity of grout per manufacturer's specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses proper float
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Works grout thoroughly into joints
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans excess off tile surface and joints as needed
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Allows proper set up time per manufacturer's recommendations
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Washes excess grout from surface of tile and joints
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Maintains uniform joint width and height
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Performs final clean as necessary per manufacturer's specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Polishes haze form tile surface
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans tools and work area
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Properly dispose of grout water
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Protects grouted work area as required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Finishers

METHODS OF CUTTING TILE

Requirement One – Hand

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to cut tile units by hand meeting the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Measures and marks materials accurately
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Selects appropriate tool(s) for application
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Makes cuts accurately
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Trims material as needed
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses proper PPE for the project
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements associated with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: ____ - ____ - ____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Finishers

METHODS OF CUTTING TILE

Requirement Two – Power Equipment

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to cut tile units utilizing power equipment meeting the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Measures and marks materials accurately
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Selects appropriate equipment for application
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Makes cuts accurately
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses proper PPE for the project
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements associated with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____-_____-_____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Finishers

PREPARARATION OF WALLS, FLOORS and COUNTERTOPS FORMORTAR INSTALLATION

Requirement One – Wall Inspection

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to inspect a float screed or scratch wall adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Scraps, sweeps an cleans wall
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks for sound substrate: Properly fastened and sound framing conditions per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks for within tolerance per specs: Straight, Flat and Plumb
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks for painters’ overspray and correct substrate material
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verifies finish heights
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verifies placement, size and shape of accessories and fixtures
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies any lighting related placement issues
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Documents and reports any discrepancies to supervisor
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Finishers

PREPARATION OF WALLS, FLOORS and COUNTERTOPS FOR MORTAR INSTALLATION

Requirement Two A – Wood or Steel Framed Wall Preparation

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to prepare a wood or steel framed wall adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gathers necessary tools and materials
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies tolerances necessary for the material per the specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Corrects any defects in framing
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verifies corrections by other trades
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies vapor/moisture barrier
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies lath reinforcing
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies scratch coat per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies mortar bed (float coat) per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Finishers

PREPARATION OF WALLS, FLOORS and COUNTERTOPS FOR MORTAR INSTALLATION

Requirement Two B – Solid Backing Wall Preparation

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to prepare a solid backing wall adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gather necessary tools and materials
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identify tolerances necessary for the material per the specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Correct any defects in framing
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verify corrections by other trades
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Apply vapor/moisture barrier if or as necessary
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Apply lath reinforcing if or as necessary
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Apply scratch/bond coat as necessary per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Apply mortar bed (float coat) per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Finishers

PREPARARATION OF WALLS, FLOORS and COUNTERTOPS FORMORTAR INSTALLATION

Requirement Three – Floor Inspection – Thin Bed

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to inspect a floor adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Scrapes, sweeps and cleans work surface
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks for sound substrate:
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Properly fastened and sound framing conditions per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Properly bonded underlayment's
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If contaminants are present, address per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks for tolerance per specs and corrects as necessary: Straight, flat and Level
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks for movement in joints: If present, verifies location and treats per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ " _____ "

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Finishers

PREPARATION OF WALLS, FLOORS and COUNTERTOPS FOR MORTAR INSTALLATION

Requirement Four – Floor Preparation – Thin Bed

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to prepare a floor adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gathers necessary tools and materials
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies tolerances necessary for the material per the specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Corrects any defects in substrate
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verifies corrections by other trades
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____-_____-_____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Finishers

PREPARATION OF WALLS, FLOORS and COUNTERTOPS FOR MORTAR INSTALLATION

Requirement Five – Floor Inspection – Mortar Bed

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to inspect a mortar bed adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Scrapes, sweeps and cleans work surface
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks for sound substrate:
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Properly fastened and sound framing conditions per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Properly bonded underlayment's
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If contaminants are present, address per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks for within tolerance per specs and corrects as necessary: Straight Flat and Level
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks for movement in joints: If present verifies, location and treat per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rule and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Finishers

PREPARATION OF WALLS, FLOORS and COUNTERTOPS FOR MORTAR INSTALLATION

Requirement Six A – Floor Preparation – Mortar Bed-Bonded

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to prepare a bonded mortar bed adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gathers necessary tools and materials
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies tolerances necessary for the material per the specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Corrects any defects in substrate
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verifies corrections by other trades
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Dampens substrate
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies cementitious bond coat
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies dry pack mortar to wet bond coat
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section

Apprentice Name: _____

Date: _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Finishers

PREPARATION OF WALLS, FLOORS and COUNTERTOPS FOR MORTAR INSTALLATION

Requirement Six B – Floor Preparation – Mortar Bed - Unbonded

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to prepare an unbonded mortar bed adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gathers necessary tools and materials
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies tolerances necessary for the material per the specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Corrects any defects in substrate
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verifies corrections by other trades
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies appropriate cleavage membrane
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs wire reinforcing as required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies dry pack mortar per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Finishers

PREPARATION OF WALLS, FLOORS and COUNTERTOPS FOR MORTAR INSTALLATION

Requirement Seven – Counter Top Inspection

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to inspect countertops, pullman and sinks adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Scrapes, sweeps, and cleans surfaces to be tiled
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks for sound substrate:
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Properly fastened cabinetry and substrate as required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks for tolerance per specs Straight, Flat, Plumb and level
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verifies corrections by other trades
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verifies finish heights and opening widths
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verifies placement, size and shape of accessories and fixtures
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Documents and reports any discrepancies to supervisor
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Finishers

PREPARATION OF WALLS, FLOORS and COUNTERTOPS FOR MORTAR INSTALLATION

Requirement Eight A – Counter Top – Thin Set Method Preparation

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to prepare a surface before using the thin set method adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gathers necessary tools and materials
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Protects other finishes
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies tolerances necessary for the material per the specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs and/or corrects substrate as necessary
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Finishers

PREPARATION OF WALLS, FLOORS and COUNTERTOPS FOR MORTAR INSTALLATION

Requirement Eight B – Counter Top – Mortar Method Preparation

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to prepare a surface before using the mortar method adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gathers necessary tools and materials
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Protects other finishes
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies tolerances necessary for the material per the specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs vapor/moisture barrier to counter and splash per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs wire reinforcing to counter and splash per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs punched metal strip or suitable substitute per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sets sink in mortar
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies wall mortar to splash and counter perimeter per specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies dry pack mortar to remainder of countertops
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____-_____-_____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Finishers

MIXING MORTARS, EPOXY RESINS AND ADHESIVES

Requirement One – Hand

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to mix mortar, epoxy resins and adhesives by hand meeting the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Selects proper tools as required for the job
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Selects proper mortar types to be mixed as specified
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Maintains proper consistency as required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Re-tempers as permitted
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements associated with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Finishers

MIXING MORTARS, EPOXY RESINS AND ADHESIVES

Requirement Two – Power Equipment

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to mix mortar, epoxy resins and adhesives with power equipment meeting the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies equipment to be used
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Performs necessary maintenance
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans equipment
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements associated with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Finishers

HANDLE AND MOVE JOB-SITE MATERIALS

Requirement One – Storage and Staging

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to store and stage job-site materials adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Provides clean, dry, secure area
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Provides storage area close to installation area
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Maintains clean and orderly storage area
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Stores materials so that labels are visible
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Stages materials according to work flow
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Monitors material inventory and reports to supervisor
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Finishers

HANDLE AND MOVE JOB-SITE MATERIALS

Requirement Two – Handling

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to handle job-site materials adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Handles material responsibly, using appropriate material handling equipment
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies any hazardous or perishable materials
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Stores material as per manufacturer’s recommendations
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	At the direction of the mechanic stages materials according to:
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Work Flow
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	time requirements
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Where needed
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Maintains adequate inventory at installation site
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Reports missing or damaged materials to supervisor
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Coordinates scheduling material movement with on-site equipment
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Blends, sorts and mixes materials as required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Finishers

HANDLE AND MOVE JOB-SITE MATERIALS

Requirement Three – Restocking and Disposal

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to restock and dispose of job-site materials adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gathers unused material, organizes and re-stocks as appropriate
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Separates recyclable materials and disposes of according to job-site requirements
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies and disposes of hazardous materials according to state and local regulations
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gathers remaining waste and spoilage and disposes of in an appropriate manner
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies and secures materials to be returned to the shop
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Finishers

CLEAN, CAULK AND SEAL SURFACES

Requirement One – Inspection

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to inspect tan area prior to cleaning, caulking and sealing a tile surface adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks tile and grouting for any imperfections
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Determines that installation has properly cured per manufacturer’s recommendations
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies areas to be cleaned, caulked and sealed
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Determines and identifies any contaminants from other trades
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verifies that proper ventilation exists
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Finishers

CLEAN, CAULK AND SEAL SURFACES

Requirement Two – Preparation

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to prepare to clean, caulk and seal surfaces adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gathers necessary tools and materials
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verifies correct cleaner, caulk and sealer
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Protects adjacent finished surfaces
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Assures areas to be caulked are free of debris and contaminants
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Locates potable water source and disposal area
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Finishers

CLEAN, CAULK AND SEAL SURFACES

Requirement Three – Cleaning

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to clean a surface prior to caulking and sealing, adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mixes proper quantity of cleaning materials per manufacturer’s specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses proper applicator per manufacturer’s recommendation
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Allows contact time per manufacturer’s recommendations
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Washes excess cleaners from surface of tile and joints and rinses as required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Performs a final clean as necessary per manufacturer’s specs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Protects finished surfaces as needed
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____-_____-_____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Finishers

CLEAN, CAULK AND SEAL SURFACES

Requirement Four – Caulking

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to caulk a surface adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Verifies correct color and material
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Primes areas to be caulked as required
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses proper applicator per manufacturer’s recommendation
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies caulk and tools as needed
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Allows proper contact time per manufacturer’s recommendations
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Removes excess caulk from surface of tile
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Protects finished surfaces as needed
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Finishers

CLEAN, CAULK AND SEAL SURFACES

Requirement Five – Sealing

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to seal a surface adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses proper applicator per manufacturer’s recommendation
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Allows proper contact time per manufacturer’s recommendations
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Removes excess sealer from surface of tile and joints
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Protects finished surfaces as needed
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s directions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required

Apprentice Name: _____

Date: _____-_____-_____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Finishers

USE AND MAINTAIN TOOLS & EQUIPMENT

Requirement One – General Maintenance of Tools

Provided the necessary and required tools and associated maintenance equipment, the worker must be able to demonstrate without error the proper maintenance of each tool or piece of equipment including, but not limited to:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks electrical cords and equipment before use
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Keeps hand tools in good repair
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Demonstrates proper maintenance of powder actuated equipment
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Keeps power tools clean and in good order
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks for required guards and other safety features on power equipment
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Stores tools properly
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Other tool and equipment maintenance as required

Apprentice Name: _____

Date: _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Finishers

USE AND MAINTAIN TOOLS & EQUIPMENT

Requirement Two – Tools and Equipment

Provided the necessary and required tools and equipment, the worker must be able to demonstrate without error the proper use of each specific tool and piece of equipment including, but not limited to:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Chalkline
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Steel measuring tape
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Steel square
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Straight edge
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Spirit level
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Folding rule
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Tile Cutter
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Electric chipping hammer
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Carbide Hole Saw
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Nippers/Biters
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Tin snips
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Rubbing stone
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Electric Drill ½" or larger
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Tile Saw
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Utility Knife
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Scoring tool
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Grout saw Keyhole saw

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Finishers

USE AND MAINTAIN TOOLS & EQUIPMENT

Requirement Two – Tools and Equipment

Provided the necessary and required tools and equipment, the worker must be able to demonstrate without error the proper use of each specific tool and piece of equipment including, but not limited to:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Carbide Tipped Chisel
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Jamb saw
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Margin Trowel
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Flat trowel
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gauging Trowel
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pointing Trowel
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Buttering Trowel
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Bucket Trowel
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Grout float
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Rubber float
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Epoxy Float
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Wood float
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mortar hoe
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mortar box
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mixer
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Beating block
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Rubber mallet
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Grout sponge
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Epoxy Sponge (doodle bug)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Angle divider
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	T bevel

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Finishers

USE AND MAINTAIN TOOLS & EQUIPMENT

Requirement Two – Tools and Equipment

Provided the necessary and required tools and equipment, the worker must be able to demonstrate without error the proper use of specific tool and piece of equipment including, but not limited to:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Combination square
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Trammel bar
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Plumb bob
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Tile Cutting board
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All angle tile cutter
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Rod saw
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Scribe
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Scraper
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Knee pads
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Hammer
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Tool bag/bucket
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Square edge shovel
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Water brush
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Foxtail brush
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Center Punch
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cheesecloth
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Hawk
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Storypole
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Laser
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Caulk gun
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Water level

Apprentice Name: _____

Date: _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute OJL Evaluation for Tile Finishers

USE AND MAINTAIN TOOLS & EQUIPMENT

Requirement Two – Tools and Equipment

Provided the necessary and required tools and equipment, the worker must be able to demonstrate without error the proper use of each specific tool and piece of equipment including, but not limited to:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Rubbing Brick
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Notched Trowels
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mixing paddle
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Chipping hammer
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Grouting Blankets
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Buckets 1, 3 and 5 gallons
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Shims and spacers
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Float strips
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Lights and Cords
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gloves, rubber and cloth
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Push Broom
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Staple gun/hammertacker

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____

Comments: _____

**WORK PROCESS SCHEDULE
TERRAZZO FINISHER (HYBRID APPROACH)
O*NET-SOC CODE: 47-2053.00 RAPIDS CODE: 0972HY**

1. TERM OF APPRENTICESHIP

The minimum term of this occupation shall be either two (2) years with an on-the-job learning (OJL) attainment of 3500-4000 hours supplemented by the required hours of related instruction.

2. HYBRID APPROACH

The minimum requirements for this hybrid approach shall be either two (2) years, with an on-the-job learning (OJL) attainment of 3500-4000 hours supplemented by the required hours of related technical instruction.

Upon completion of each of the segments of related instruction, the apprentice consults with the Training Coordinator and receives the corresponding OJL Competencies form for that component. These OJL forms shall be submitted to be completed entirely and validated by the signature of the on-site supervisor, after verifying with the Journeyworkers who have been instructing and observing the apprentices progress on the job sites, that each of the elements segments have been mastered by the apprentice. The On-Site-Supervisor and the Training Coordinator must attest on the form that each component has been mastered by the apprentice to the level of a typical Journeyworker in that occupation.

Upon successfully completing all the competencies in that skill grouping the apprentice shall have the clearly completed and signed forms submitted and recorded into the program's Training Management System by the programs Training Coordinator

3. RATIO OF APPRENTICES TO JOURNEYWORKERS

The ratio of apprentices to journeyworkers is established in the applicable CBA or as agreed to by the JATC.

This ratio will be defined as no more than one (1) apprentice for every one (1) journeyworker, and no less than one (1) apprentice for every five (5) journeyworkers provided that there is a supply of work predictably available to keep such a number of apprentices effectively employed.

4. APPRENTICE WAGE SCHEDULE

Apprentices shall be paid a progressively increasing schedule of wages based on a percentage of the current journeyworker wage rate in the JATC's jurisdiction as follows plus applicable fringe benefits, or as indicated in the CBA.

2-Year Term/Level Hybrid:

1 st 6 months + OJL hours - _____%	3 rd 6 months + OJL hours _____%
2 nd 6 months + OJL hours - _____%	4 th 6 months + OJL hours _____%

5. SCHEDULE OF WORK EXPERIENCE

(See attached Work Process Schedule)

6. SCHEDULE OF RELATED INSTRUCTION

(See attached Related Instruction Outline)

*The International Masonry Institute (IMI) and the International Union of Bricklayers and Allied Craftworkers (BAC) designed the National Guidelines for Apprenticeship Standards (“Guidelines”) in cooperation with the Department of Labor to be a model on which local program sponsors would base their apprenticeship programs. Although most of the provisions are anticipated to be, and are, consistent across local programs, others are designed to be flexible to fit the market conditions in the program sponsors’ locations.

For instance, the duration and hours provisions in Appendix A of the Guidelines provide four options for length of the apprenticeship term and hours required for completion – 3 years, 4500 hours; 3 years, 6000 hours; 4 years, 6000 hours; and 4 years, 8000 hours. The precise term is set forth in the collective bargaining agreements in the respective area, and reflects market conditions including weather (which particularly impacts trades in which much work is performed outdoors), volume of work, and complexity of work. While in many areas, 2000 hours per year is not attainable because of market conditions, in other areas it is and local programs may choose to shorten programs so that apprentices graduate and become a journeyworker Craftworkers faster. In those areas where the market cannot bear 2000 hours per year, the Guidelines set forth programs that would call for 1500 hours per year. We believe that flexible Guidelines are essential so that local program sponsors are not bound by conditions that are not reflective of their contracts or their markets.

WORK PROCESSES SCHEDULE
TERRAZZO FINISHER (HYBRID APPROACH)
O*NET SOC CODE: 47-2053.00 RAPIDS CODE: 0972HY

WORK PROCESSES	<u>2 YR Min</u>	<u>2 YR Max</u>
Prepare All Types of Sub-Surfaces for Terrazzo	237.5	250
Use and Maintain All Tools of the Trade	170	200
Handle and Move Job-Site Materials from Stockpile to Point of Installation	127.5	150
Float Bed-Sand Cushion, Isolation Membrane Wire Mesh and Screeding Underbed	254.5	270
Install Divider Strips and Glue Divider Strips	170	200
Place Terrazzo Mixture in Panels and Trowel to Top of Strips and Seeding of Additional Chips	373.5	410
Mix Various Types of Mortar and Chips	255	300
Thin-Set Epoxy, Polyester, Polyacrylate, and Other Artificial, Simulated Materials	425	500
Install Seamless Floors	170	200
Clean, Seal, Grout, and Protect Terrazzo	170	200
Install Membrane Over Cracks	51	60
Machine Grind and Polish Acid Wash; and Select and Use Other Polishing Compounds and Methods	968.5	1,110
Apply Stone Aggregate	127.5	150
TOTAL HOURS	3500	4000

**RELATED INSTRUCTION OUTLINE
TERRAZZO FINISHER (HYBRID APPROACH)
O*NET-SOC CODE: 47-2053.00 RAPIDS CODE: 0972HY**

	1st	2nd
Orientation	12	
OSHA Construction Safety 1926 30 hour	30	
CPR/First Aid		16
Scaffold Safety Qualification	06	
Drugs and Alcohol	04	
Diversity in the Work Place	02	
Materials Safety Data Sheet	01	
Trade and Labor History	24	
Use of Tools and Equipment	04	
Terrazzo Industry	08	08
Mortar Mixing/Bonding Materials	13	
Terrazzo/Materials/Handling	04	
Sub-Surface Preparations	12	
Terrazzo Finishing	24	
Trade Mathematics		48
Blueprint Reading		64
Advanced Topics/New Technologies		08
Total Hours Per Year	144	144

**WORK PROCESS SCHEDULE
MARBLE FINISHER (HYBRID APPROACH)
O*NET-SOC CODE: 47-3011.00 RAPIDS CODE: 0973HY**

1. TERM OF APPRENTICESHIP

The minimum term of this occupation shall be either two (2) years with an on-the-job learning (OJL) attainment of 3500-4000 hours supplemented by the required hours of related instruction.

2. HYBRID APPROACH

The minimum requirements for this hybrid approach shall be either three (2) years, with an on-the-job learning (OJL) attainment of 3500-4000 hours supplemented by the required hours of related technical instruction.

Upon completion of each of the segments of related instruction, the apprentice consults with the Training Coordinator and receives the corresponding OJL Competencies form for that component. These OJL forms shall be submitted to be completed entirely and validated by the signature of the on-site supervisor, after verifying with the Journeyworkers who have been instructing and observing the apprentices progress on the job sites, that each of the elements segments have been mastered by the apprentice. The On-Site-Supervisor and the Training Coordinator must attest on the form that each component has been mastered by the apprentice to the level of a typical Journeyworker in that occupation.

Upon successfully completing all the competencies in that skill grouping the apprentice shall have the clearly completed and signed forms submitted and recorded into the program's Training Management System by the programs Training Coordinator

3. RATIO OF APPRENTICES TO JOURNEYWORKERS

The ratio of apprentices to journeyworkers is established in the applicable CBA or as agreed to by the JATC.

This ratio will be defined as no more than one (1) apprentice for every one (1) journeyworker, and no less than one (1) apprentice for every five (5) journeyworkers provided that there is a supply of work predictably available to keep such a number of apprentices effectively employed.

4. APPRENTICE WAGE SCHEDULE

Apprentices shall be paid a progressively increasing schedule of wages based on a percentage of the current journeyworker wage rate in the JATC's jurisdiction as follows plus applicable fringe benefits, or as indicated in the CBA.

2-Year Term/Level Hybrid:

1st 6 months + OJL hours - _____% 3rd 6 months + OJL hours _____%
2nd 6 months + OJL hours - _____% 4th 6 months + OJL hours _____%

5. SCHEDULE OF WORK EXPERIENCE

(See attached Work Process Schedule)

6. SCHEDULE OF RELATED INSTRUCTION

(See attached Related Instruction Outline)

*The International Masonry Institute (IMI) and the International Union of Bricklayers and Allied Craftworkers (BAC) designed the National Guidelines for Apprenticeship Standards (“Guidelines”) in cooperation with the Department of Labor to be a model on which local program sponsors would base their apprenticeship programs. Although most of the provisions are anticipated to be, and are, consistent across local programs, others are designed to be flexible to fit the market conditions in the program sponsors’ locations.

For instance, the duration and hours provisions in Appendix A of the Guidelines provide four options for length of the apprenticeship term and hours required for completion – 3 years, 4500 hours; 3 years, 6000 hours; 4 years, 6000 hours; and 4 years, 8000 hours. The precise term is set forth in the collective bargaining agreements in the respective area, and reflects market conditions including weather (which particularly impacts trades in which much work is performed outdoors), volume of work, and complexity of work. While in many areas, 2000 hours per year is not attainable because of market conditions, in other areas it is and local programs may choose to shorten programs so that apprentices graduate and become a journeyworker Craftworkers faster. In those areas where the market cannot bear 2000 hours per year, the Guidelines set forth programs that would call for 1500 hours per year. We believe that flexible Guidelines are essential so that local program sponsors are not bound by conditions that are not reflective of their contracts or their markets.

WORK PROCESS SCHEDULE
MARBLE FINISHER (HYBRID APPROACH)
O*NET-SOC CODE: 47-3011.00 **RAPIDS CODE: 0973HY**

<u>WORK PROCESSES</u>	<u>2 YR Min</u>	<u>2 YR Max</u>
Use and Maintain Hand and Power Tools	212.5	250
Cutting by Hand and with Power Tools	322.5	350
Face, Fill and Polish	408	480
Prepare Sub-Structure and other Surfaces (Vertical and Horizontal)	340	400
Prepare Marble for Installations (Vertical and Horizontal)	348	380
Mix and Use Setting Materials	161.5	190
Drilling, Anchoring and Plugging Methods Traditional and Modern	152.5	150
Handle and Move Job Site Materials from Stockpile to Point of Installation	212.5	250
Rigging, Hoisting and Erection	173.75	175
Erecting and Dismantling Scaffolding	148.75	175
Cleaning, Caulking and Grouting Marble	510	600
Patch, Fill, Repair and Restore Materials Use Other Polishing Compounds and Methods	510	600
TOTAL HOURS	3500	4000

RELATED INSTRUCTION OUTLINE
MARBLE FINISHER (HYBRID APPROACH)
O*NET-SOC CODE: 47-3011.00 **RAPIDS CODE: 0973HY**

	1st	2nd
Orientation	12	
OSHA Construction Safety 1926 30 hour	30	
CPR/First Aid		16
Scaffold Safety Qualification	06	
Drugs and Alcohol	04	
Diversity in the Work Place	02	
Materials Safety Data Sheet	01	
Trade and Labor History	24	
Use of Tools and Equipment	01	
Materials Handling	08	
Mortar Mixing / Bonding Materials	14	
Marble Industry	08	08
Marble Patching	08	
Sub-Surface Preparations	14	
Grouting/Caulking	12	
Trade Mathematics		48
Blueprint Reading		64
Advanced Topics/New Technologies		08
Total Hours Per Year	144	144

WORK PROCESS SCHEDULE
MOSAIC WORKER (HYBRID APPROACH)
O*NET-SOC CODE: 47-2044.00 RAPIDS CODE: 0353HY

1. TERM OF APPRENTICESHIP

The minimum term of this occupation shall be either three (3) years with an on-the-job learning (OJL) attainment of 4500-6000 hours supplemented by the required hours of related instruction, or four (4) years with an OJL attainment of 6000-8000 hours supplemented by the required hours of related instruction. JATCs will identify whether using a 3 or 4 year term depending on the CBA.

2. HYBRID APPROACH

The minimum requirements for this hybrid approach shall be either three (3) years, with an on-the-job learning (OJL) attainment of 4500-6000 hours supplemented by the required hours of related technical instruction, or four (4) years with an OJL attainment of 6000-8000 hours supplemented by the required hours of related instruction.

Upon completion of each of the segments of related instruction, the apprentice consults with the Training Coordinator and receives the corresponding OJL Competencies form for that component. These OJL forms shall be submitted to be completed entirely and validated by the signature of the on-site supervisor, after verifying with the Journeyworkers who have been instructing and observing the apprentices progress on the job sites, that each of the elements segments have been mastered by the apprentice. The On-Site-Supervisor and the Training Coordinator must attest on the form that each component has been mastered by the apprentice to the level of a typical Journeyworker in that occupation.

Upon successfully completing all the competencies in that skill grouping the apprentice shall have the clearly completed and signed forms submitted and recorded into the program's Training Management System by the programs Training Coordinator

3. RATIO OF APPRENTICES TO JOURNEYWORKERS

The ratio of apprentices to journeyworkers is established in the applicable CBA or as agreed to by the JATC.

This ratio will be defined as no more than one (1) apprentice for every one (1) journeyworker, and no less than one (1) apprentice for every five (5) journeyworkers provided that there is a supply of work predictably available to keep such a number of apprentices effectively employed.

4. APPRENTICE WAGE SCHEDULE

Apprentices shall be paid a progressively increasing schedule of wages based on a percentage of the current journeyworker wage rate in the JATC’s jurisdiction as follows plus applicable fringe benefits, or as indicated in the CBA.

3 Year Term Example:

1 st 6 months + hours - ___%	4 th 6 months + hours - ___%
2 nd 6 months + hours - ___%	5 th 6 months + hours - ___%
3 rd 6 months + hours - ___%	6 th 6 months + hours - ___%

4 Year Term Example:

1 st 6 months + hours - ___%	5 th 6 months + hours - ___%
2 nd 6 months + hours - ___%	6 th 6 months + hours - ___%
3 rd 6 months + hours - ___%	7 th 6 months + hours - ___%
4 th 6 months + hours - ___%	8 th 6 months + hours - ___%

5. SCHEDULE OF WORK EXPERIENCE

(See attached Work Process Schedule)

6. SCHEDULE OF RELATED INSTRUCTION

(See attached Related Instruction Outline)

*The International Masonry Institute (IMI) and the International Union of Bricklayers and Allied Craftworkers (BAC) designed the National Guidelines for Apprenticeship Standards (“Guidelines”) in cooperation with the Department of Labor to be a model on which local program sponsors would base their apprenticeship programs. Although most of the provisions are anticipated to be, and are, consistent across local programs, others are designed to be flexible to fit the market conditions in the program sponsors’ locations.

For instance, the duration and hours provisions in Appendix A of the Guidelines provide four options for length of the apprenticeship term and hours required for completion – 3 years, 4500 hours; 3 years, 6000 hours; 4 years, 6000 hours; and 4 years, 8000 hours. The precise term is set forth in the collective bargaining agreements in the respective area, and reflects market conditions including weather (which particularly impacts trades in which much work is performed outdoors), volume of work, and complexity of work. While in many areas, 2000 hours per year is not attainable because of market conditions, in other areas it is and local programs may choose to shorten programs so that apprentices graduate and become a journeyworker Craftworkers faster. In those areas where the market cannot bear 2000 hours per year, the Guidelines set forth programs that would call for 1500 hours per year. We believe that flexible Guidelines are essential so that local program sponsors are not bound by conditions that are not reflective of their contracts or their markets.

**WORK PROCESS SCHEDULE
MOSAIC WORKER (HYBRID APPROACH)
O*NET-SOC CODE: 47-2044.00 RAPIDS CODE: 0353HY**

<u>WORK PROCESSES</u>	<u>3 YR Min</u>	<u>3 YR Max</u>	<u>4 YR Min</u>	<u>4 YR Max</u>
Tools and Safety Procedures	225	300	300	350
Mortar Mixing	75	100	100	125
Preparation of Sub-Surface	262.5	350	350	500
Cutting, Fitting, and Mounting	300	400	400	550
Prepare and Install Scratch Coat and Finish Coats	262.5	350	350	425
Direct Mount – Reverse Mount Tesselate	187	250	250	450
Mosaics	2,063	2,750	2,750	3,800
Restoration of Mosaic	1,125	1,500	1,500	1,800
TOTAL HOURS	4500	6000	6000	8000

RELATED INSTRUCTION OUTLINE
MOSAIC WORKER (HYBRID APPROACH)
O*NET-SOC CODE: 47-2044.00 RAPIDS CODE: 0353HY

	1st	2nd	3rd	4th
Orientation	12			
OSHA Construction Safety 1926 30 hour	30			
CPR/First Aid		16		
Scaffold Safety Qualification	06			
Drugs and Alcohol	04			
Diversity in the Work Place	02			
Materials Safety Data Sheet	01			
Trade and Labor History	24			
Use of Tools and Equipment	04			
Introduction to Materials, Tools, and Safety Procedures	08			
Mixing Mortar	08			
Design and Preparation of Sub-surface	45			
Mounting on Cement Panel		16		
Bonding Glass to Transfer Surface		16		
Trade Mathematics		48	28	28
Remove Existing Bed Coat		08		
Reinstall and Reinforce New Bed Coat		08		
Repairing, Regrouting and Cleaning Procedures			16	
History of the Art Form			32	24
Restoration Practices			28	12
Blueprint reading		32	32	72
Advanced Topics/New Technologies			08	08
Total Hours Per Year	144	144	144	144

WORK PROCESSES SCHEDULE
POINTER, CLEANER, CAULKER (HYBRID APPROACH)
O*NET-SOC CODE: 47-2061.00 RAPIDS CODE: 0680HY

1. TERM OF APPRENTICESHIP

The minimum term of this occupation shall be either three (3) years with an on-the-job learning (OJL) attainment of 4500-6000 hours supplemented by the required hours of related instruction, or four (4) years with an OJL attainment of 6000-8000 hours supplemented by the required hours of related instruction. JATCs will identify whether using a 3 or 4 year term depending on the CBA.

2. HYBRID APPROACH

The minimum requirements for this hybrid approach shall be either three (3) years, with an on-the-job learning (OJL) attainment of 4500-6000 hours supplemented by the required hours of related technical instruction, or four (4) years with an OJL attainment of 6000-8000 hours supplemented by the required hours of related instruction.

Upon completion of each of the segments of related instruction, the apprentice consults with the Training Coordinator and receives the corresponding OJL Competencies form for that component. These OJL forms shall be submitted to be completed entirely and validated by the signature of the on-site supervisor, after verifying with the Journeyworkers who have been instructing and observing the apprentices progress on the job sites, that each of the elements segments have been mastered by the apprentice. The On-Site-Supervisor and the Training Coordinator must attest on the form that each component has been mastered by the apprentice to the level of a typical Journeyworker in that occupation.

Upon successfully completing all the competencies in that skill grouping the apprentice shall have the clearly completed and signed forms submitted and recorded into the program's Training Management System by the programs Training Coordinator

3. RATIO OF APPRENTICES TO JOURNEYWORKERS

The ratio of apprentices to journeyworkers is established in the applicable CBA or as agreed to by the JATC.

This ratio will be defined as no more than one (1) apprentice for every one (1) journeyworker, and no less than one (1) apprentice for every five (5) journeyworkers provided that there is a supply of work predictably available to keep such a number of apprentices effectively employed.

4. APPRENTICE WAGE SCHEDULE

Apprentices shall be paid a progressively increasing schedule of wages based on a percentage of the current journeyworker wage rate in the JATC’s jurisdiction as follows plus applicable fringe benefits, or as indicated in the CBA.

3 Year Term Timed Program:

1 st 6 months + OJL hours - _____%	4 th 6 months + OJL hours - _____%
2 nd 6 months + OJL hours - _____%	5 th 6 months + OJL hours - _____%
3 rd 6 months + OJL hours - _____%	6 th 6 months + OJL hours - _____%

4 Year Term Timed Program:

1 st 6 months + OJL hours - _____%	5 th 6 months + OJL hours - _____%
2 nd 6 months + OJL hours - _____%	6 th 6 months + OJL hours - _____%
3 rd 6 months + OJL hours - _____%	7 th 6 months + OJL hours - _____%
4 th 6 months + OJL hours - _____%	8 th 6 months + OJL hours - _____%

6 Semester / Level Hybrid Program:

1 st RI level + OJL competencies - ____%	4 th RI level + OJL competencies - ____%
2 nd RI level + OJL competencies - ____%	5 th RI level + OJL competencies - ____%
3 rd RI level + OJL competencies - ____%	6 th RI level + OJL competencies - ____%

8 Semester / Level Hybrid Program:

1 st RI level + OJL competencies - ____%	5 th RI level + OJL competencies - ____%
2 nd RI level + OJL competencies - ____%	6 th RI level + OJL competencies - ____%
3 rd RI level + OJL competencies - ____%	7 th RI level + OJL competencies - ____%
4 th RI level + OJL competencies - ____%	8 th RI level + OJL competencies - ____%

5. SCHEDULE OF WORK EXPERIENCE

(See attached Work Process Schedule)

6. SCHEDULE OF RELATED INSTRUCTION

(See attached Related Instruction Outline)

*The International Masonry Institute (IMI) and the International Union of Bricklayers and Allied Craftworkers (BAC) designed the National Guidelines for Apprenticeship Standards (“Guidelines”) in cooperation with the Department of Labor to be a model on which local program sponsors would base their apprenticeship programs. Although most of the provisions are anticipated to be, and are, consistent across local programs, others are designed to be flexible to fit the market conditions in the program sponsors’ locations.

For instance, the duration and hours provisions in Appendix A of the Guidelines provide four options for length of the apprenticeship term and hours required for completion – 3 years, 4500 hours; 3 years, 6000 hours; 4 years, 6000 hours; and 4 years, 8000 hours. The precise term is set forth in the collective bargaining agreements in the respective area, and

reflects market conditions including weather (which particularly impacts trades in which much work is performed outdoors), volume of work, and complexity of work. While in many areas, 2000 hours per year is not attainable because of market conditions, in other areas it is and local programs may choose to shorten programs so that apprentices graduate and become a journeyworker Craftworkers faster. In those areas where the market cannot bear 2000 hours per year, the Guidelines set forth programs that would call for 1500 hours per year. We believe that flexible Guidelines are essential so that local program sponsors are not bound by conditions that are not reflective of their contracts or their markets.

WORK PROCESSES SCHEDULE
POINTER, CLEANER, CAULKER (HYBRID APPROACH)
O*NET-SOC CODE: 47-2061.00 RAPIDS CODE: 0680HY

<u>WORK PROCESSES</u>	<u>3 YR Min</u>	<u>3 YR Max</u>	<u>4 YR Min</u>	<u>4 YR Max</u>
Use and Maintain Trade Related Tools and Equipment	150	200	200	250
Cleaning Exteriors of Buildings (Using Methods/Materials per Job Specifications, Pressure Washing, Sandblasting, and Chemical Applications)	450	600	600	800
Pointing and Re-pointing of Masonry Joints	1,125	1,500	1,500	2,100
Repairing Masonry Units (Natural and Manufactured Materials)	525	700	700	850
Application of Sealant (Using, Maintaining Related Tools and Equipment)	450	600	600	800
Repairing Concrete (Using Methods/Materials per Job Specifications)	675	900	900	950
Scaffolding and Rigging	375	500	500	740
Masonry Removal and Replacement (Using Natural and/or Manufactured Replacement Materials)	150	200	200	350
Weatherproofing and Waterproofing	150	200	200	350
Mold Making and Casting Replacement Masonry Elements	105	140	140	200
Patching Masonry Elements (Using Traditional and Modern Materials and Methods)	150	200	200	250
Welding, Certified as Required	195	260	260	360
TOTAL HOURS	4500	6000	6000	8000

**RELATED INSTRUCTION OUTLINE
 POINTER, CLEANER, CAULKER (HYBRID APPROACH)
 O*NET-SOC CODE: 47-2061.00 RAPIDS CODE: 0680HY**

	1st	2nd	3rd	4th
Orientation	12			
OSHA Construction Safety 1926 30 hour	30			
CPR / First Aid		16		
Scaffold Safety Qualification	06			
Drugs and Alcohol	04			
Diversity in the Work Place	02			
Materials Safety Data Sheet	01			
Trade and Labor History	24			
Use of Tools and Equipment	04			
Masonry Building Units (bricks, concrete block etc.)	08			
Masonry Construction: Bonds, Joints and Mortar	08			
Trade Mathematics		40	28	28
Restoration		24		
Blueprint Reading		32	32	68
Tuckpointing	37			
Waterproof Coatings (clear) Applications		16		
Mortar mixing (types and colors)	08			
Masonry Building Repair Techniques		16	08	
Welding, Certified as Required			68	40
Advanced Topics/ New Technologies			08	08
Total Hours Per Year	144	144	144	144

**WORK PROCESSES SCHEDULE
POINTER, CLEANER, CAULKER (TIME-BASED APPROACH)
O*NET-SOC CODE: 47-2061.00 RAPIDS CODE: 0680**

1. TERM OF APPRENTICESHIP

The term of this occupation shall be either an on-the-job learning (OJL) attainment of 3 years, 4500 hours; 3 years, 6000 hours; 4 years, 6000 hours; or 4 years, 8000 hours supplemented by the required hours of related technical instruction.

2. TIME-BASED APPROACH

The JATC will identify to the Registration Agency whether it is registering a 3 or 4 year term depending on the applicable Collective Bargaining Agreement. The JATC will also identify the required OJL attainment for the term in the following work process schedule (3 years, 4500 hours; 3 years, 6000 hours; 4 years, 6000 hours; or 4 years, 8000 hours).

3. RATIO OF APPRENTICES TO JOURNEYWORKERS

The ratio of apprentices to journeyworkers is established in the applicable Collective Bargaining Agreement, or as agreed to by the JATC.

This ratio will be defined as no more than one (1) apprentice for each journeyworker on the jobsite, and no less than one (1) apprentice for every five (5) journeyworkers provided that there is a supply of work predictably available to keep such a number of apprentices effectively employed.

4. APPRENTICE WAGE SCHEDULE

Apprentices shall be paid a progressively increasing schedule of wages based on a percentage of the current journeyworker wage rate in the JATC's jurisdiction, as follows, plus applicable fringe benefits, or as indicated in the Collective Bargaining Agreement.

3 Year - 4500 hour Term Example:

1 st 6 months + 750 hours - 50%	4 th 6 months + 750 hours - 80%
2 nd 6 months + 750 hours - 60%	5 th 6 months + 750 hours - 90%
3 rd 6 months + 750 hours - 70%	6 th 6 months + 750 hours - 95%

4 Year - 6000 hour Term Example:

1 st 6 months + 750 hours - 50%	5 th 6 months + 750 hours - 70%
2 nd 6 months + 750 hours - 55%	6 th 6 months + 750 hours - 75%
3 rd 6 months + 750 hours - 60%	7 th 6 months + 750 hours - 80%
4 th 6 months + 750 hours - 65%	8 th 6 months + 750 hours - 90%

3 Year - 6000 hour Term Example:

1 st 6 months + 1000 hours - 50%	4 th 6 months + 1000 hours - 80%
2 nd 6 months + 1000 hours - 60%	5 th 6 months + 1000 hours - 90%
3 rd 6 months + 1000 hours - 70%	6 th 6 months + 1000 hours - 95%

4 Year – 8000 hour Term Example:

1 st 6 months + 1000 hours – 50%	5 th 6 months + 1000 hours – 70%
2 nd 6 months + 1000 hours – 55%	6 th 6 months + 1000 hours – 75%
3 rd 6 months + 1000 hours – 60%	7 th 6 months + 1000 hours – 80%
4 th 6 months + 1000 hours – 65%	8 th 6 months + 1000 hours – 90%

Current Journeyworker Wage Rate \$ _____ per hour.

5. SCHEDULE OF WORK EXPERIENCE

(See attached Schedule of Work Processes)

The JATC must enter the appropriate number of hours in the work process schedule under either the 3 or 4 year columns, whichever is applicable. Samples of both are provided. JATCs may add to the work processes prior to submitting these Standards to the appropriate Registration Agency for approval.

6. SCHEDULE OF RELATED INSTRUCTION

(See attached Schedule of Related Instruction)

*The International Masonry Institute (IMI) and the International Union of Bricklayers and Allied Craftworkers (BAC) designed the National Guidelines for Apprenticeship Standards (“Guidelines”) in cooperation with the Department of Labor to be a model on which local program sponsors would base their apprenticeship programs. Although most of the provisions are anticipated to be, and are, consistent across local programs, others are designed to be flexible to fit the market conditions in the program sponsors’ locations.

For instance, the duration and hours provisions in Appendix A of the Guidelines provide four options for length of the apprenticeship term and hours required for completion – 3 years, 4500 hours; 3 years, 6000 hours; 4 years, 6000 hours; and 4 years, 8000 hours. The precise term is set forth in the collective bargaining agreements in the respective area, and reflects market conditions including weather (which particularly impacts trades in which much work is performed outdoors), volume of work, and complexity of work. While in many areas, 2000 hours per year is not attainable because of market conditions, in other areas it is and local programs may choose to shorten programs so that apprentices graduate and become a journeyworker Craftworkers faster. In those areas where the market cannot bear 2000 hours per year, the Guidelines set forth programs that would call for 1500 hours per year. We believe that flexible Guidelines are essential so that local program sponsors are not bound by conditions that are not reflective of their contracts or their markets.

WORK PROCESSES SCHEDULE
POINTER, CLEANER, CAULKER (TIME-BASED APPROACH)
O*NET-SOC CODE: 47-2061.00 RAPIDS CODE: 0680

<u>WORK PROCESSES</u>	<u>3 YR/4500</u>	<u>3 YR/6000</u>	<u>4 YR/6000</u>	<u>4 YR/8000</u>
Use and Maintain Trade Related Tools and Equipment	150	200	200	250
Cleaning Exteriors of Buildings (Using Methods/Materials per Job Specifications, Pressure Washing, Sandblasting, and Chemical Applications)	450	600	600	800
Pointing and Re-pointing of Masonry Joints	1,125	1,500	1,500	2,100
Repairing Masonry Units (Natural and Manufactured Materials)	525	700	700	850
Application of Sealant (Using, Maintaining Related Tools and Equipment)	450	600	600	800
Repairing Concrete (Using Methods/Materials per Job Specifications)	675	900	900	950
Scaffolding and Rigging	375	500	500	740
Masonry Removal and Replacement (Using Natural and/or Manufactured Replacement Materials)	150	200	200	350
Weatherproofing and Waterproofing	150	200	200	350
Mold Making and Casting Replacement Masonry Elements	105	140	140	200
Patching Masonry Elements (Using Traditional and Modern Materials and Methods)	150	200	200	250
Welding, Certified as Required	195	260	260	360
TOTAL HOURS	4500	6000	6000	8000

**RELATED INSTRUCTION OUTLINE
 POINTER, CLEANER, CAULKER (TIME-BASED APPROACH)
 O*NET-SOC CODE: 47-2061.00 RAPIDS CODE: 0680**

	1st	2nd	3rd	4th
Orientation	12			
OSHA Construction Safety 1926 30 hour	30			
CPR / First Aid		16		
Scaffold Safety Qualification	06			
Drugs and Alcohol	04			
Diversity in the Work Place	02			
Materials Safety Data Sheet	01			
Trade and Labor History	24			
Use of Tools and Equipment	04			
Masonry Building Units (bricks, concrete block etc.)	08			
Masonry Construction: Bonds, Joints and Mortar	08			
Trade Mathematics		40	28	28
Restoration		24		
Blueprint Reading		32	32	68
Tuckpointing	37			
Waterproof Coatings (clear) Applications		16		
Mortar mixing (types and colors)	08			
Masonry Building Repair Techniques		16	08	
Welding, Certified as Required			68	40
Advanced Topics/ New Technologies			08	08
Total Hours Per Year	144	144	144	144



International Masonry Institute On-the-Job Learning (OJL) Evaluation for PCC

Use and Maintenance of Hand Tools

Requirement One - Demolition – Hand

Provided with the listed hand tool required for demolition, the worker must be able to demonstrate without error the proper use of each specific tool including, but not limited to:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2 or 3 pound mash hammer.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Plugging chisel.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cold chisel.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concrete chisel.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Brush.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Straps.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Lewis pins.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Chain fall.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Granite clamp.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pry bars.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Well wheels.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Wire/synthetic rope.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Debris bags/buckets/baskets .
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's direction.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section.

Follows other processes and procedures as required.

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute On-the-Job Learning (OJL) Evaluation for PCC

Use and Maintenance of Hand Tools

Requirement Two - Demolition – Power

Provided with the listed power tool required for demolition, the worker must be able to demonstrate without error the proper use of each specific tool including, but not limited to:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Grinders.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Saws.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Chipping hammers.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Drills.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pneumatic.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vacuum.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Electric hoists.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Suction equipment.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s direction.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required.

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute On-the-Job Learning (OJL) Evaluation for PCC

Use and Maintenance of Hand Tools

Requirement Three - Replacing - Hand

Provided with the listed hand tool, the worker must be able to demonstrate without error the proper use of each specific tool including, but not limited to:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Margin trowel.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gauging trowel.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Brick trowel.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pointing trowel.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concrete trowel.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Bucket trowel.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Hawk board.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pointing tools.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Slickers.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Jointers.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Levels.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Rulers.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mason line and blocks.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Masonry nails.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Buckets.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's direction.

- Follows safety rules and requirements appropriate with this section.
- Follows other processes and procedures as required.

Apprentice Name: _____ Date: __-____-____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute On-the-Job Learning (OJL) Evaluation for PCC

Use and Maintenance of Hand Tools

Requirement Four - Replacing – Power

Provided with the listed power tool, the worker must be able to demonstrate without error the proper use of each specific tool including, but not limited to:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mixing drills/paddles.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Power pointers.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Power caulkers.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Suction equipment.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Power hoist.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's direction.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required.

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute On-the-Job Learning (OJL) Evaluation for PCC

Use and Maintenance of Hand Tools

Requirement Five - Cleaning Tools – Hand

Provided with the listed hand cleaning tool, the worker must be able to demonstrate without error the proper use of each specific tool including, but not limited to:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Brushes.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Scrapers.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sprayer.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Wire Brush.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sponges.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Rubbing stone.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's direction.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required.

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute On-the-Job Learning (OJL) Evaluation for PCC

Use and Maintenance of Hand Tools

Requirement Six - Cleaning Tools – Power

Provided with the listed power cleaning tool, the worker must be able to demonstrate without error the proper use of each specific tool including, but not limited to:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Power washer/tips.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Power pump sprayer.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Abrasive blaster pot and nozzles.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Orifice cleaner.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Air compressor.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Steam cleaner.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s direction.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required.

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute On-the-Job Learning (OJL) Evaluation for PCC

Use and Maintenance of Hand Tools

Requirement Seven - Patching Tools - Hand

Provided with the listed hand patching tool, the worker must be able to demonstrate without error the proper use of each specific tool including, but not limited to:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Trowels magnesium/steel.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Miter rods/straight edge.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Trowel leaf.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Trowel square.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Wood floats/sponge/floats/magnesium floats.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's direction.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required.

Apprentice Name: _____

Date: _____ " _____ " _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute On-the-Job Learning (OJL) Evaluation for PCC

Use and Maintenance of Hand Tools

Requirement Eight - Miscellaneous - Hand

Provided with the listed miscellaneous hand tool, the worker must be able to demonstrate without error the proper use of each specific tool including, but not limited to:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cartridge gun.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sausage gun.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Bulk gun.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Slickers.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Razor knife.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mixing tub/wheel barrows.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Hoes.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Water hose/nozzles.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pressure hose.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's direction.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required.

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute On-the-Job Learning (OJL) Evaluation for PCC

Use and Maintenance of Hand Tools

Requirement Nine - Miscellaneous - Power

Provided with the listed miscellaneous power tool, the worker must be able to demonstrate without error the proper use of each specific tool including, but not limited to:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Caulking cutters.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Electrical/extension cords.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Ground faults (GFIs).
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Generators.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's direction.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required.

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute On-the-Job Learning (OJL) Evaluation for PCC

Cleaning Exteriors of Buildings

Requirement One - New Work

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to clean the exterior of a building related to new work adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies PPE equipment as needed.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks scaffold for safety equipment/MSDS.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Establishes a safety zone underneath the work area
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Establishes chemical controls, dykes and dams as necessary.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Protects surrounding area.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mixes cleaning agent to water per the manufacturer's recommendations.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Loads the scaffold with materials and equipment as required.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies the area to be cleaned.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pre tests cleaning solution on the area to be cleaned.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pre-wets the surface.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies solution per specifications.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Lets the solution stand for the prescribed amount of time, per specifications.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Removes any remaining stains and residue.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Rinses off cleaner.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Neutralizes cleaning agent as necessary.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Removes protection from surrounding areas.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Properly disposes of leftover cleaning solution.

- Follows supervisor's direction.
- Follows safety rules and requirements appropriate with this section.
- Follows other processes and procedures as required.

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute On-the-Job Learning (OJL) Evaluation for PCC

Cleaning Exteriors of Buildings

Requirement Two – Old Work

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to clean the exterior of a building related to old work adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies proper technique for cleaning old work.
			Demonstrates proper technique for the following:
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Soaker hoses;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Spray bars;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	High pressure;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Steam cleaning;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Abrasive cleaning;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Poultices;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Latex cleaners: roll on, spray, brush;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Soap and water;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s direction.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required.

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute On-the-Job Learning (OJL) Evaluation for PCC

Masonry Units

Requirement One – Pointing - A

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate the ability to point masonry units adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies area to be pointed.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks scaffold for safety equipment/MSDS.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Establishes a safety zone underneath the work area.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies and demonstrates use of appropriate PPE.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Removes mortar per the techniques required.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Hammer and chisel;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pneumatic tools;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Grinding/diamond blades or carborundum;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Chipping hammer;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Saw;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans joints and prepares the area for pointing.

- Pre-hydrates the area.
- Allows water to absorb.

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute On-the-Job Learning (OJL) Evaluation for PCC

Masonry Units

Requirement One – Pointing - B

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate the ability to point masonry units adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies proper mixing ratio per specs.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Thoroughly mix the materials dry.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pre-hydrates mortar mixture.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Adds remaining water to achieve desired consistency.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Begins to re-point the joints in lifts as required.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Re-points an area and finishes the joints with proper profile.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	When mortar is thumb print hard, removes excess tags and brushes down.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Re-hydrates the wall as necessary.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans the wall with mild solution if required.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans adjacent area.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Disposes of material properly.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's direction.

Follows safety rules and requirements appropriate with this section.

Follows other processes and procedures as required.

Apprentice Name: _____

Date: _____ " _____ " _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute On-the-Job Learning (OJL) Evaluation for PCC

Masonry Units

Requirement Two - Repairing

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to repair masonry units adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies area or units to be repaired.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks scaffold for safety equipment/MSDS.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Establishes a safety zone underneath the work area.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies and demonstrates use of appropriate PPE.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Removes deteriorated area.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Prepares area for installation including anchoring systems.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Washes down to remove dust.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs pins and anchors with adhesives as required.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mixes material according to manufacturer's instructions.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies bonding agent or slurry coat as required by specs.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs new material.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	When mortar is thumb print hard, removes excess material to fit profile.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Demonstrates proper technique of repairing by use of a Dutchmen or patching material.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses appropriate finishing technique(s) to match existing substrate.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Re-hydrates as necessary.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Coats or seals as required.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans adjacent area.

- | | | | |
|--------------------------|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Disposes of material properly. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Follows supervisor's direction. |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Follows safety rules and requirements appropriate with this section |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Follows other processes and procedures as required. |

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute On-the-Job Learning (OJL) Evaluation for PCC

Sealant

Requirement One – Removal and Replacement - A

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to apply sealant adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies area or units.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks scaffold for safety equipment/MSDS.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Establishes a safety zone underneath the work area.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies and demonstrates use of appropriate PPE.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies and contains any hazardous materials in the removal process.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Removes old sealant using appropriate method.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Caulk cutters;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Utility knives;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Hammer and chisel;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Grinders;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Removes residue using appropriate solvent per specs.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Tapes joints if required.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies proper bond breaker/backer rod.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs bondbreaker/backer rod to proper depth.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs primer if recommended.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mixes material per the specs as required.

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute On-the-Job Learning (OJL) Evaluation for PCC

Sealant

Requirement One – Removal and Replacement - B

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to apply sealant adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies material to specifications using one of the following techniques:
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cartridge gun;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Bulk gun;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Electric caulk gun;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Battery operated caulk gun;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sausage bulk gun;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Tools joint to uniform profile per specs.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans adjacent area.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Disposes of material properly.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s direction.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required.

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute On-the-Job Learning (OJL) Evaluation for PCC

Concrete

Requirement One – Repairing - A

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to repair concrete adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies area or units to be repaired.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks scaffold for safety equipment/MSDS.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Establishes a safety zone underneath the work area.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies and demonstrates use of appropriate PPE.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Removes loose and deteriorated substrates, min. one inch of clearance surrounding rebar.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Prepares area as necessary.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses appropriate method of prepping rebar:
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Abrasive blasting;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Wire brushing;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Grinder with wire brush;

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute On-the-Job Learning (OJL) Evaluation for PCC

Concrete

Requirement One – Repairing - B

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to repair concrete adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Install rebar coating according to specs.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies bonding agent if required.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Builds forms around substrate if required.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies epoxy if required.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mixes repair material per specs.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs material.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vibrate repair material if needed.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Screeds excess mortar.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If forms are used, remove and fill in voids if necessary.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses proper finishing techniques to match adjacent area.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Hydrates concrete being replaced.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans adjacent area.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Disposes of material properly.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s direction.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required.

Apprentice Name: _____

Date: _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute On-the-Job Learning (OJL) Evaluation for PCC

Fireproof Caulking Systems

Requirement One - Application

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to apply fireproof caulking systems adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies area where fireproofing is to be applied.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies proper system of fireproofing or intumescent caulk to use.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks scaffold for safety equipment/MSDS.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Establishes a safety zone underneath the work area.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies and demonstrates use of appropriate PPE.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans areas to be sealed of all grease, oil and loose material.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Insures that any angular spaces between the through penetration and the opening must be within manufacturer's defined limits.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	When mineral wool is required, it is cut oversized and packed tightly into the space between the opening and the surface.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Packing is positioned to allow for correct depth of fill material to be installed.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies using suitable standard or bulk loading gun, hand trowel or spray system to avoid gaps, voids and seams.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Surface should be smoothed using a damp knife or spatula to leave a neat, sealed finish.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Details of testing the constructions according to the UL fire resistance requirements.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's direction.

-
-
-
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Follows safety rules and requirements appropriate with this section.
Follows other processes and procedures as required.

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute On-the-Job Learning (OJL) Evaluation for PCC

Fire Barrier Mortar

Requirement One - Installation

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to install fire barrier mortar adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies area where fireproofing is to be applied.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies proper system of fireproofing to use.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks scaffold for safety equipment/MSDS.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Establishes a safety zone underneath the work area.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies and demonstrates use of appropriate PPE.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Demonstrates proper technique for cleaning items from any dirt, debris, grease or oil.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Removes cable ties within 2 feet of either side of the cable penetration.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs damming if required for floor openings.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Masks the edge and end of penetrating items.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mixes mortar per manufacturer's recommendations.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Moistens the opening with a spray bottle or hand brush.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Immediately places mortar filling the most difficult areas to reach first.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Presses mortar against the side of the bonding surface.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Smooth mortar off and flushes the wall or floor with water.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Remove any masking from protected adjacent areas.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans adjacent area.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Disposes of material properly.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Details of testing the constructions according to the UL fire resistance requirements.

- Follows supervisor's direction.
- Follows safety rules and requirements appropriate with this section.
- Follows other processes and procedures as required.

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute On-the-Job Learning (OJL) Evaluation for PCC

Scaffolding and Rigging

Requirement One – Suspended - A

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to erect suspended scaffolding and rigging adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies areas where work is to be performed.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inspects for overhead electrical lines.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies appropriate rigging tools and equipment.
			Tools:
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Adjustable wrenches;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Torque wrench;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1/2 “ ratchet set;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Zip/cable ties;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Screwdriver;

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute On-the-Job Learning (OJL) Evaluation for PCC

Scaffolding and Rigging

Requirement One – Suspended - B

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to erect suspended scaffolding and rigging adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Personal Fall Arrest System:
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Full body harness;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Shock absorbing lanyards with locking snap hooks;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Rope grabs for Synthetic rope for life line – 5/8”s;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mechanical attachment device;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Chafing protection;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Rigging Equipment – A:
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cornice hook with standoff;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Parapet clamp;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Boom/outrigger/look out beams;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Stanchion truss;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Scaffold frame as required;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mud sills;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Base plates/leveling jacks;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Header beams;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Saddle/shoulder plates;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Counterweights;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Extension collars;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Wire ropes – suspension;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Wire ropes – tie backs;



Slings/pendants;

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute On-the-Job Learning (OJL) Evaluation for PCC

Scaffolding and Rigging

Requirement One – Suspended - B

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to erect suspended scaffolding and rigging adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Rigging Equipment – B:
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cable winder.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Rope fall lines/block and tackle/ ³ / ₄ " manila rope or stronger.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Heavy duty electric cord with twist lock connection.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Turn buckle.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Thimbles.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Shackles or clevis.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Crosby clamps or fist grips.
			Work Platform.
			Platform or stage:
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Stirrups/cradle iron;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Lifting mechanisms;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Rails and posts;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Kick boards and screens;
			Single point suspended cage.
			Boatswain's chair:
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Rope fall;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Repelling device;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Electric boatswain's chair;

Apprentice Name: _____

Date: _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute On-the-Job Learning (OJL) Evaluation for PCC

Scaffolding and Rigging

Requirement One – Suspended - C

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to erect suspended scaffolding and rigging adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Establishes a safety zone underneath the work area.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies suspension system to be used.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies and confirms adequate tie backs and anchoring points.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies tie back points.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Safely transports appropriate equipment to staging point.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs edge and fall protection as required.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sets up suspension system.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Lowers suspension lines.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Connects to suspension system with a minimum of 3 cable clamps properly spaced using thimble and shackle/clevis and torques to manufacturer's specifications.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If welding use an insulated thimble.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Tie back suspension system to structurally sound anchor point per requirements.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Lower independent safety lines and anchor to independent structure per requirements.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Lower electric cord.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Protect all lines from chafing.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Assemble platform staging per manufacturer's requirement.

- Install guard rail, end rails, kick boards and netting as required.
- Attach proper electric cord restraints.
- Attach suspension cables to proper lifting mechanism.

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute On-the-Job Learning (OJL) Evaluation for PCC

Scaffolding and Rigging

Requirement One – Suspended - D

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to erect suspended scaffolding and rigging adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Performs and documents load test on scaffold system according to safety requirements.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Re-check all connections and secure as necessary.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor’s direction.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required.

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor’s Signature: _____ Comments: _____



International Masonry Institute On-the-Job Learning (OJL) Evaluation for PCC

Scaffolding and Rigging

Requirement Two - Tubular Scaffold - A

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to erect tubular scaffolding and rigging adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies areas where work is to be performed.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies appropriate rigging tools and equipment .
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Establishes a safety zone underneath the work area.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Lays out scaffold for efficient use and proper distance from structure.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Performs ground test to ensure stability for required standards.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inspects for overhead electrical lines.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks for underground voids and support as required.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gathers necessary scaffold components:
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Frames;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Braces;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mud sills;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Screw jacks and base plates;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Guard rails and posts;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Kick boards;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Side arm bracket/Outriggers;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Scaffold boards or planks;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Coupling pins and locking devices;

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Tie-in materials and stiff arms/diagonal supports as required;
Putlog and hangers;
#9 tie wire;

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute On-the-Job Learning (OJL) Evaluation for PCC

Scaffolding and Rigging

Requirement Two - Tubular Scaffold - B

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to erect tubular scaffolding and rigging adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Install mud sills.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Install screw jacks/base plates.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Center screw jacks/base plates on mud sills and attach.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Assemble frames and attach braces.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Check for level and plumb and correct as necessary.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Square the scaffold.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Repeat steps for each frame as required.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Attach tie in points as the work progresses per requirements.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fully plank each work area.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Install access.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Install fall protection and falling object protection.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Uses PPE and fall protection devices as required.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's direction.

- Follows safety rules and requirements appropriate with this section.
- Follows other processes and procedures as required.

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute On-the-Job Learning (OJL) Evaluation for PCC

Masonry

Requirement One - Removal and Replacement

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to remove and replace masonry adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies areas where work is to be performed.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks for safety equipment.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies appropriate tools and equipment for the job assigned.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Establishes a safety zone underneath the work area.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies and demonstrates use of appropriate PPE.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Set up debris removal system.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Saw cut affected area.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Remove deteriorated masonry units and support work area as necessary.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Clean the area of all dust and loose materials.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Flash and install damp proofing per specifications.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mix mortar per specs.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Place replacement material in work area.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Hydrate replacement area as needed.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Allow water to absorb.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Install units to match adjacent area and anchor per specs.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Finish the joints to match existing work.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Re-hydrated replacement area for curing.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans adjacent area.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Disposes of material properly.

- Follows supervisor's direction.
- Follows safety rules and requirements appropriate with this section.
- Follows other processes and procedures as required.

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute On-the-Job Learning (OJL) Evaluation for PCC

Waterproofing and Weatherproofing

Requirement One - Below Grade - Membrane

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to waterproof and weatherproof below grade using a membrane adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies areas where work is to be performed.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks for safety equipment.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies appropriate tools and equipment for the job assigned.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Establishes a safety zone for the protection of the trench.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Ensures that the shoring meets the necessary requirements.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies and demonstrates use of appropriate PPE.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Clean and prep the area to be waterproofed.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Make sure area is dry to receive application of material.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies primers, if required, according to manufacturer's specifications.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies adhesive according to manufacturer's specifications.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs membrane ensuring that no air is trapped behind it.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs termination bar at the proper location according to recommendations.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs protection board if required.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs drainage system per specs.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans adjacent area.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Disposes of material properly.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's direction.

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Follows safety rules and requirements appropriate with this section.
Follows other processes and procedures as required.

Apprentice Name: _____

Date: _____-_____-_____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute On-the-Job Learning (OJL) Evaluation for PCC

Waterproofing and Weatherproofing

Requirement Two - Below Grade - Fluid Applied Applications

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to waterproof and weatherproof below grade using fluid applied applications adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies areas where work is to be performed.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks for safety equipment.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies appropriate tools and equipment for the job assigned.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Establishes a safety zone for the protection of the trench.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Confirms that the shoring meets the necessary requirements.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies and demonstrates use of appropriate PPE.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans and preps the area to be waterproofed.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Makes sure area is dry to receive application of material.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sets up equipment appropriate to application process.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies material according to manufacturer's specs.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs protection board if required.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs drainage system per specs.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans adjacent area.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Disposes of material properly.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's direction.

- Follows safety rules and requirements appropriate with this section.
- Follows other processes and procedures as required.

Apprentice Name: _____

Date: _____ " _____ " _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute On-the-Job Learning (OJL) Evaluation for PCC

Waterproofing and Weatherproofing

Requirement Three - Below Grade - Cementitious Systems

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to waterproof and weatherproof below grade using cementitious systems adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies areas where work is to be performed.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks for safety equipment.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies appropriate tools and equipment for the job assigned.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Establishes a safety zone for the protection of the trench.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Confirms that the shoring meets the necessary requirements.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies and demonstrates use of appropriate PPE.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans and preps the area to be waterproofed.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mixes cementitious product according to manufacturer's specs.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Hydrate area to be waterproofed.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Trowel on material per job specifications.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans adjacent area.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Disposes of material properly.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's direction.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required.

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute On-the-Job Learning (OJL) Evaluation for PCC

Waterproofing and Weatherproofing

Requirement Four - Above Grade - Clear Coat and Opaque Sealers

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to waterproof and weatherproof above grade using clear coat and opaque sealers adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies areas where work is to be performed.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks for safety equipment.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies appropriate tools and equipment for the job assigned.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Establishes a safety zone.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies and demonstrates use of appropriate PPE.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Clean and prep the area to be waterproofed.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Protects adjoining areas from overspray.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Roll, spray or brush on according to manufacturer's specs.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans adjacent area.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Disposes of material properly.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's direction.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required.

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute On-the-Job Learning (OJL) Evaluation for PCC

Waterproofing and Weatherproofing

Requirement Five - Above Grade - Cementitious Systems

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to waterproof and weatherproof above grade using cementitious systems adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies areas where work is to be performed.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks for safety equipment.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies appropriate tools and equipment for the job assigned.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Establishes a safety zone.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies and demonstrates use of appropriate PPE.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans and preps the area to be waterproofed.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mixes cementitious product according to manufacturer's specs.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Hydrates area to be waterproofed.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Trowels, sprays, brushes or rolls on material per job specifications.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans adjacent area.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Disposes of material properly.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's direction.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required.

Apprentice Name: _____

Date: _____-_____-_____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute On-the-Job Learning (OJL) Evaluation for PCC

Waterproofing and Weatherproofing

Requirement Six - Above Grade - Elastomeric Coating Application

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to waterproof and weatherproof above grade using elastomeric coating applications adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies areas where work is to be performed.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks for safety equipment.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies appropriate tools and equipment for the job assigned.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Establishes a safety zone
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies and demonstrates use of appropriate PPE.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans and preps the area to be waterproofed.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mixes product according to manufacturer's specs.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sprays, brushes or rolls on material per job specifications.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans adjacent area.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Disposes of material properly.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's direction.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required.

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute On-the-Job Learning (OJL) Evaluation for PCC

Waterproofing and Weatherproofing

Requirement Seven - Above Grade - Horizontal Applications

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to waterproof and weatherproof above grade using horizontal applications adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies areas where work is to be performed.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks for safety equipment.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies appropriate tools and equipment for the job assigned.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Establishes a safety zone.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies and demonstrates use of appropriate PPE.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans and preps the area to be waterproofed.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mixes product according to manufacturer's specs if necessary.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Apply material per job specifications.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans adjacent area.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Disposes of material properly.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's direction.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required.

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute On-the-Job Learning (OJL) Evaluation for PCC

Mold Making

Requirement One – On-Site

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to make molds on-site adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies areas where work is to be performed.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks for safety equipment.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies appropriate tools and equipment for the job assigned.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Establishes a safety zone.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies and demonstrates use of appropriate PPE.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans and preps the area and masks adjacent area.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Seals casting piece.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies releasing agent to casting piece.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mixes product according to manufacturer's specs.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sprays or brushes on material per job specifications.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies multiple coats as required.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Builds reinforcement for the mold as needed.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Allows cure time per manufacturer's specs.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pulls mold.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's direction.

- Follows safety rules and requirements appropriate with this section.
- Follows other processes and procedures as required.

Apprentice Name: _____

Date: _____ " _____ " _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute On-the-Job Learning (OJL) Evaluation for PCC

Mold Casting

Requirement One - On-Site

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to cast molds on-site adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Builds casting box.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mixes casting material per manufacturer's specs.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sprays release on casting box.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pours material into the mold and allows to cure per manufacturer's specs.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Finishes casting to match existing surface.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs with proper anchorage according to specs.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's direction.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows safety rules and requirements appropriate with this section.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows other processes and procedures as required.

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute On-the-Job Learning (OJL) Evaluation for PCC

Mold Making and Casting

Requirement One - Shop Made Molds

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to cast molds in a shop adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks for safety equipment.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies appropriate tools and equipment for the job assigned.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Establishes a safety zone.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies and demonstrates use of appropriate PPE.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Builds mold containment box.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Seals edges.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Seals casting piece.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies releasing agent to mold and box.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mixes mold product according to manufacturer's specs.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pours material per job specifications.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Allows mold to cure per manufacturer's specs.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Removes original stone from box.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mixes casting material per manufacturer's specs.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sprays releasing agent on piece to be cast.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pours material into the mold and allows to cure per manufacturer's specs.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Finishes casting to match existing surface.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs with proper anchorage according to specs.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's direction.

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Follows safety rules and requirements appropriate with this section.

Follows other processes and procedures as required.

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____



International Masonry Institute On-the-Job Learning (OJL) Evaluation for PCC

Masonry Elements

Requirement One - Patching

Provided the necessary and required materials, tools and equipment, the worker must be able to demonstrate without error the ability to patch masonry elements adhering to the following specific criteria:

Mastery	With Supervision	No Mastery	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies area or units to be repaired.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Checks scaffold for safety equipment/MSDS.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Establishes a safety zone underneath the work area.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Identifies and demonstrates use of appropriate PPE.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Removes loose and deteriorated substrates.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Prepares edges of area to be patched.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Washes down for appropriate patching.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installs anchors if required according to job site specs.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mixes material according to manufacturer's specs.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies slurry or bonding agent if recommended.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies material.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Finishes profile to match adjacent area.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Allows material to cure the appropriate time.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cleans adjacent area.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Disposes of material properly.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applies any coatings or sealants per the job site specs.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Follows supervisor's direction.

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Follows safety rules and requirements appropriate with this section.

Follows other processes and procedures as required.

Apprentice Name: _____

Date: _____ - _____ - _____

Supervisor's Signature: _____ Comments: _____