

Teri Gardner 3-2-2020

Department of Labor & Industries  
Apprenticeship Section  
PO Box 44530  
Olympia WA 98504-4530



## REQUEST FOR REVISION OF STANDARDS



TO: Washington State Apprenticeship & Training Council

From: Western Washington Masonry Trades Apprenticeship Committee, 87  
(NAME OF PROGRAM STANDARDS)

Please update our Standards of Apprenticeship to reflect the following changes.  
Additions shall be underlined.  
Deletions shall be ~~struck through~~.  
See attached.

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Authorized signatures	
(chr.) <u>M. J. Faircloth</u>	Approved by
(sec.) <u>[Signature]</u>	Washington State Apprenticeship & Training Council
date	Secretary of WSATC
<u>03-02-2020</u>	date

attach additional sheets if necessary

# Western Washington Masonry Trades Apprenticeship Committee, 87

## Section II. Minimum Qualifications:

Education: **Must be a high school graduate or have a G.E.D. equivalent.**

Physical: **Must be able to perform the rigorous manual labor required by trade and have the ability to work safely at high elevations with or without reasonable accommodations.**

Other:

- ~~3. All documentation for minimum qualifications must be provided at the time of application. This includes high school diploma, G.E.D. certificate or official transcripts from secondary or post-secondary schooling, copy of driver's license, social security card or other proof of I-9 (employment) status.~~
- ~~4. Exceptions may be made by the JATC to the above qualifications if admission as an apprentice will benefit the applicant and the industry. The amount of credit given for previous work experience shall be determined by the JATC or their representative after a careful review of the merits of each case.~~

## Section III. Conduct of Program Under Washington Equal Employment Opportunity Plan:

### A. Selection Procedures:

#### 1. All Occupations:

b. Information on apprenticeship openings, the application process, and applications will be available at the offices of the Western Washington Masonry Trades Apprenticeship Training Center located at 6737 Corson Avenue South, Building "D", Seattle, WA 98108, between 7:00 6:30 AM and 2:00 PM on Monday through Friday and at our levelupnw.org website. Applications will be accepted throughout the year as individuals express interest.

c. All documentation for minimum qualifications must be provided at the time of application. This includes high school diploma, G.E.D. certificate or official transcripts from secondary or post-secondary schooling, copy of driver's license, social security card or other proof of I-9 (employment) status.

The following paragraph letters will change to: e.d.

e. Exceptions may be made by the JATC to the above qualifications if admission as an apprentice will benefit the applicant and the industry. The amount of credit given for previous work experience shall be determined by the JATC or their representative (designee) after a careful review of the merits of each case.

The following paragraph letters will change: d. f., e. g., f. h., g. i., h. j

2. Bricklayer, Terrazzo Worker, Marble Setter, "Pointer/Cleaner/Caulker", Tile Terrazzo Marble Finisher, Brick and Block Finisher

a. As apprenticeships openings become available, applicants will be selected from the eligibility list, in descending order of ranking, they must pass a drug test, and will then complete an eight a six-week pre-apprenticeship job class.

b. After the applicant's first week of pre-job class in the Bricklayers and Allied Craft workers Local #1 of WA/AK (BAC) crafts rotation and safety classes, the applicant's shall select their specific BAC craft to finish the remainder of their pre-job class.

~~b, c.~~ After successfully completing the eight six week pre-apprenticeship job class, the applicant shall be offered an apprenticeship in order ranking. If the applicant accepts the apprenticeship, they shall be registered with the Department of Labor and Industries, Apprenticeship Section, as a starting apprentice.

~~e, d.~~ In the event that new apprentices are needed to supply industry demand, applicants may be selected in advance of completion of the eight six week pre-apprenticeship job class. It is possible that applicants with prior industry experience may be selected ahead of those without such experience and in other than ranked order, due to the provision of safety training during the class and necessity to provide this training to those without prior experience in the construction industry or specifically the masonry trades.

3. ~~Brick and Block Finisher:~~

~~a.~~ As apprenticeships openings become available, applicants will be selected from the eligibility list, in descending order of ranking, they must pass a drug test, and will then complete a two-week pre-apprenticeship class.

~~b.~~ After successfully completing the two-week pre-apprenticeship class, the applicant shall be offered an apprenticeship. If the applicant accepts the apprenticeship, they shall be registered with the Department of Labor and Industries, Apprenticeship Section, as a starting apprentice.

~~c.~~ In the event that new apprentices are needed to supply industry demand, applicants may be selected in advance of completion of the two-week pre-apprenticeship class. It is possible that applicants with prior industry experience may be selected ahead of those without such experience and in other than ranked order, due to the provision of safety training during the class and necessity to provide this training to those without prior experience in the construction industry or specifically the masonry trades.

4. ~~Terrazzo Worker and Marble Setter and "Pointer, Cleaner, and Caulker":~~



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~~As apprenticeship openings become available, applicants will be selected from the eligibility list in descending order of ranking, they must pass a drug test, and offered an apprenticeship. If the applicant accepts the apprenticeship, they shall be registered with the Department of Labor and Industries Apprenticeship Section as a starting apprentice~~

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## 5. Tile, Terrazzo and Marble Finisher

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a. ~~As apprenticeship openings become available, applicants will be selected from the eligibility list, in descending order of ranking, they must pass a drug test, and will then complete a four-week pre-apprenticeship class.~~

b. ~~After successfully completing the four-week pre-apprenticeship class, the applicant shall be offered an apprenticeship. If the applicant accepts the apprenticeship, they shall be registered with the Department of Labor and Industries, Apprenticeship Section as a starting apprentice.~~

c. ~~In the event that new apprentices are needed to supply industry demand, applicants may be selected in advance of completion of the four-week pre-apprenticeship class. It is possible that applicants with prior industry experience may be selected ahead of those without such experience and in other than ranked order, due to the provision of safety training during the class and necessity to provide this training to those without prior experience in the construction industry or specifically the masonry trades.~~

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## 6.3. Tile Setter:

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a. Must have 1500 hours of previous experience applicable to the trades of verifiable experience in the tile setter, marble setter or terrazzo worker trades, verified by certifications, affidavits of work experience, or a combination of on-the-job training with credit given towards advanced standing as determined by the Apprenticeship Committee or designee. Applicants without 1500 hours of previous experience as defined in the preceding sentence or must begin as a "Tile, Terrazzo and Marble Finisher" apprentice and successfully accumulate 1500 hours of on-the-job training (OJT) hours or a combination of OJT and credit given for advanced standing and successfully complete scheduled related/supplemental instruction (RSI) classes.

## 7. EXEMPTIONS:

Move elements 7a. and 7b. in their entirety to #8 so they become the new 8a. and new 8b.

## 8.4. EXCEPTIONS (Direct Entry):

a.c. ~~(Direct Entry): For individuals who become I.U. of B.A.C., Local 1 members as stated in section 7.4. a & b above. All minimum requirements qualifications will be waived except the following:~~

(3) Must pass a drug test.



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b.d. ~~(Direct Entry) Persons~~ Individuals completing a Job Corps program under the I.U. of B.A.C. may be granted direct entry. Applicant Must must meet all minimum requirements and pass a drug test.

e.e. ~~(Direct Entry) Those individuals~~ Individuals who have completed a JATC approved pre-apprenticeship programs may be granted direct entry. Applicant Must must meet all minimum requirements and pass a drug test.

d.f. ~~(Direct Entry)~~ Military Veterans that provide a DD-214 with an honorable discharge may be granted direct entry. All minimum requirements qualifications may be waived except for the following:

(3) Must pass a drug test.

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e.g. Applicants relocating from other states that are in an approved Bricklayers and Allied Crafts apprenticeship program may be granted direct entry. All minimum requirements qualifications may be waived except for the following:

(3) Must pass a drug test.

h. Individuals who have completed the Western Washington Masonry Trades Pre-Apprenticeship Program, minimum of four (4) weeks, 160 hours, may be granted direct entry provided:

(1) The applicant possesses the completion certificate for passing the Western Washington Masonry Trades Pre-Apprenticeship Program safety training class with a score of 80% or better

(2) The applicant meets all minimum qualifications

(3) The applicant passes a drug test

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## Section VII. Apprentice Wages and Wage Progression:

The minimum ratio shall be one (1) apprentice to three (3) journey level workers for all crafts. Bricklayer, Pointer, Cleaner, and Caulker, and Marble Setter. The minimum ratio shall be one (1) apprentice to five (5) journey level workers for Tile Setter, Terrazzo Worker, Brick and Block Finisher, and Tile, Terrazzo, and Marble Finisher. In no case shall these ratios exceed one (1) apprentice to one (1) journey level worker employed on the job site and fabrication shop.

## Section VIII. Work Processes:

### A. Brick and Block Finisher:

#### Approximate Hours

8. Proper knowledge and installation of reinforcing steel.....250

9. Proper knowledge and installation of steel placement .....250

### B. Bricklayer:

#### Approximate Hours

2. Structure of mortars and bonding materials.....400

a) All types of mortars

b) All types of grouts

c) All types of anchor systems

4. Knowledge and installation of all burnt clay products.....300 750

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5.	<u>Knowledge and installation of all masonry substitutes</u> .....	450 650
	a) <u>Glass masonry</u>	
	b) <u>Terra cotta</u>	
	c) <u>Manufactured stone</u>	
	d) <u>Insulated concrete form units</u>	
	e) <u>Glass fiber reinforced concrete units</u>	
	f) <u>Pre-cast masonry units</u>	
	g) <u>All artificial masonry</u>	
	h) <u>Other materials with similar installation methods</u>	
6.	<u>Coverage of the entire field of brick bonds</u> .....	400
	a) <u>Footings and foundations</u>	
	b) <u>Arches, columns, piers and corners</u>	
	c) <u>Fireplaces and chimneys</u>	
7.	<u>Coverage of the entire field of masonry walls and appurtenances thereto</u> .....	550
	a) <u>Reinforced masonry and rebar</u>	
	b) <u>Rain screen</u>	
	c) <u>Installation of grout and insulation materials</u>	
	d) <u>Anchoring devices and lintels</u>	
	e) <u>Panel systems</u>	
9.	<u>Knowledge and installation of all heat resisting masonry</u> .....	350
	a) <u>Fire brick</u>	
	b) <u>Refractory applications</u>	
	c) <u>Gunnite, ramming plastic, nozzle applied material</u>	
	d) <u>Trowel applied clay, mortar, and similar materials</u>	
10.	<u>Knowledge and installation of modern fireproofing</u> .....	400
11.	<u>Knowledge of pre-cast Cutting, setting, anchoring, cleaning, pointing</u> .....	450
12	<u>11. Knowledge and installation of stone: cutting, setting, pointing</u> .....	550 350
13	<u>12. Staging and safety laws</u> .....	300
14	<u>13. Industrial hygiene</u> .....	300

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## C. Marble Setter:

## Approximate Hours

2.	<u>Structure of mortars and bonding materials and mechanical anchoring systems</u> .....	300
3.	<u>Painting, cleaning and waterproofing of masonry</u> .....	500
4.	<u>Knowledge of terra cotta cutting, setting, anchoring, cleaning, painting</u> ..	600
5-3.	<u>Knowledge and installation of stone-cutting polishing, honing, setting, painting, cleaning, waterproofing</u> .....	600 2100
	a) <u>Natural marble and stone</u>	
	b) <u>Artificial stone</u>	
	c) <u>Terra cotta</u>	
	d) <u>Pre-cast units</u>	
	e) <u>Vitrolite and similar opaque glass</u>	
	f) <u>Scagliola</u>	
	g) <u>Artificial, imitation, and cast marble and stone</u>	
6-4.	<u>Staging and safety laws</u> .....	400



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7.5. Industrial hygiene .....	200
8.6. Knowledge and installation of all masonry substitutes .....	600
9. Knowledge of stone cleaning and painting marble and stone .....	400
10.7. Related technical subjects .....	500

- a) Patching
- b) Removal and restoration
- c) Sealants
- d) Other processes as needed

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11.8. Proper anchoring of block and tackle for hoisting .....	300
12.9. Shoot water levels .....	300
13.10. Floor work .....	1000

- a) Dry pack
- b) Fresh set
- c) Sand set
- d) Pedestal set
- a)c) Thin set

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## D. Pointer, Cleaner, and Caulker:

### Approximate Hours

3. Knowledge and installation of all burnt clay products .....	400
4. Knowledge and installation of all masonry substitutes .....	600

- a) Glass masonry
- b) Terra cotta
- c) Manufactured stone
- d) Insulated concrete form units
- e) Glass fiber reinforced concrete units
- f) Pre-cast masonry units
- g) All artificial masonry
- h) Other materials with similar installation methods

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5. Coverage of the entire field of masonry walls and appurtenances thereto .....	700
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- a) Reinforced masonry and rebar
- b) Rain Screen
- c) Installation of grout and insulation materials
- d) Anchoring devices and lintels
- e) Panel System

6. Pointing, cleaning, caulking and waterproofing masonry .....	1100
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- a) Pressure washing
- b) Sand Blasting
- c) Chemical applications
- d) Air and weather barriers
- e) Grinding
- f) Pointing and re-pointing
- g) Application of sealants
- h) Patching and restoration

7. Knowledge and installation of modern fireproofing .....	300
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8. Knowledge and installation of all heat resisting masonry.....500  
 a) Fire brick  
 b) Refractory applications  
 c) Trowel applied clay, mortar, and similar materials

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9. Knowledge and installation of terra cotta cleaning and pointing.....200  
 12. Knowledge and installation of caulking materials and related products ..500  
 13. Knowledge and installation of entire field of brick bonds .....400

E. Terrazzo Worker: *Teri Gardner 3-2-2020* Approximate Hours

6. Lay top cement, rod off, mix and sprinkle-terrazzo aggregate.....700  
 8. Build terrazzo steps and curbs .....500  
 8. Knowledge and installation similar systems .....500  
 a) Cementitious  
 b) Epoxy/Resinous  
 c) Seamless (Trowel and Squeegee applied)

9. Machine grinding and polishing, acid washing, seal and protect.....700  
 10. Make Cast and install pre-cast terrazzo base steps, floor, wainscot, window stools and partitions, and curbs.....700

F. Tile, Terrazzo and Marble Finisher: Approximate Hours

2. Proper knowledge and installation of materials .....500  
 Terrazzo, mosaic, marble, dex-o-tex, adhesive, tile (recognition of various types)  
 3. Sub-surface preparation.....500700  
 a) Waterproofing  
 b) Extruded Systems  
 c) Backing board installation  
 4. Terrazzo grinding .....550350  
 5. Marble polishing .....550350  
 6. Mixing Mud/ mortars by hand machine .....500700  
 Hand and mortar mix  
 7. Sawing of tile, marble, and terrazzo.....500  
 Tile and marble  
 8. Forming pre-cast Terrazzo .....350150  
 9. Grouting and sealing.....550750

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## Section IX. Related/Supplemental Instruction:

A. The methods of related/supplemental training must be indicated below (check those that apply):

☒ Sponsor approved training seminars (specify) Trade specific vendor training, MSHA, C-STOP, Confined Space

☒ Sponsor Provided (lab/classroom) Satellite training center Burlington, WA



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B. 160 Minimum RSI hours per year defined per the following [see WAC 296-05-015(6)]:

- ~~For the skilled Occupational Objective of Bricklayer the minimum hours shall be: 160 hours per year.~~
- ~~For the Skilled Occupational Objectives of Pointer, Cleaner and Caulker, Tile Setter, Terrazzo Worker, Marble Setter and Tile, Terrazzo and Marble and Brick/Block Finisher the minimum hours shall be: 144 hours per year.~~

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C. Additional Information:

None

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A. ~~Bricklayer and Brick/Block Finisher Apprentices~~

- ~~1. Proper use and care of tools~~
- ~~2. Structure of mortars and bonding material~~
- ~~3. Knowledge of all burnt clay products~~
- ~~4. Knowledge of all masonry substitutes~~
- ~~5. Staging and safety laws (State Industrial film and lecture)~~
- ~~6. Proficiency in laying brick to the line, leads and piers~~
- ~~7. Saws (safety different kinds blades; wet/dry)~~
- ~~8. Coverage of entire field of brick bonds~~
- ~~9. Coverage of entire field of masonry walls and appurtenances thereto.~~
- ~~10. Pointing, cleaning and waterproofing of masonry~~
- ~~11. Knowledge of heat-resisting masonry~~
- ~~12. Knowledge of fireproofing~~
- ~~13. First Aid (Industrial Card)~~
- ~~14. Fireplaces~~
- ~~15. Knowledge of pre-cast: cutting, setting, anchoring, cleaning, and pointing~~
- ~~16. Knowledge of stone (natural and artificial)~~
- ~~17. Knowledge of transit and level and water level~~
- ~~18. Knowledge of basic blueprints and layouts~~
- ~~19. Knowledge of how to use local building codes~~
- ~~20. Social-economic lecture~~

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B. ~~Pointer, Cleaner and Caulker Apprentices~~

- ~~1. Pointing, cleaning, caulking and waterproofing of masonry~~
- ~~2. Proper use and care of tools~~
- ~~3. Structure of mortars and bonding materials~~
- ~~4. Knowledge of all burnt clay products~~
- ~~5. Knowledge of all masonry substitutes~~
- ~~6. Staging and safety law (State Industrial film and lecture)~~
- ~~7. Saws (safety different kinds blades wet/dry)~~
- ~~8. Coverage of entire field of brick bonds~~
- ~~9. Coverage of entire field of masonry walls and appurtenances thereto~~
- ~~10. Knowledge of heat-resisting masonry~~
- ~~11. Knowledge of fireproofing~~
- ~~12. First Aid (Industrial Card)~~
- ~~13. Knowledge of terra-cotta and glaze tile (cleaning, pointing, and caulking)~~

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14. ~~Knowledge of stone: pointing~~
15. ~~Knowledge of transit and level and water level~~
16. ~~Knowledge of basic blueprints and layouts~~
17. ~~Knowledge of how to use local building codes~~
18. ~~Knowledge of caulking products and installation procedures~~

## ~~C. Tile Setter and Terrazzo Worker Apprentices:~~

1. ~~Trade mathematics~~
2. ~~Architectural drawing~~
3. ~~Blueprint reading~~
4. ~~Layout work~~
5. ~~Sketching~~
6. ~~Trade terminology~~
7. ~~Handbook reading~~
8. ~~Tools of the trade, correct names, uses, care~~
9. ~~Material use-preparation~~
10. ~~First Aid (Industrial Card)~~

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## Section X. Administrative/Disciplinary Procedures:

### A. Administrative Procedures:

#### 3. Sponsor Procedures:

- g. In accordance with the State and Federal safety regulations, it is expected that apprentices during their time either on-the-job or participating in related training shall be in compliance with WAC 296-24-084 800-16055, Occupational Head Protection Safety and Health Core Rules: appropriate head protection for employees.

## Section XI. Sponsor – Responsibilities and Governing Structure:

### E. Committee governance (see WAC 296-05-009):

1.

d. The employee representatives shall be:

~~Thomas McIntyre~~ Norman  
Sleeper  
15208 52nd Ave S Suite 120  
Tukwila, WA 98188

~~Domonie Espinoza~~ Cory  
Evons  
15208 52nd Ave S, Suite 120  
Tukwila, WA 98188

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