



WORKFORCE TRAINING & HIRING PROGRAM Contractor Checklist

This program applies to projects estimated at \$200,000 or more and subcontracts of \$100,000 or more

The following Workforce Training & Hiring Program requirements are a summary of the key contractual obligations of contractors working on City projects. It is the Contractor's responsibility to read and fully understand this section of the bid specifications and to comply with all provisions of the program, regardless of whether they appear on this checklist. Contractors shall include in their bid all costs associated with complying with the Workforce Program. An 18% aspirational goal for minorities and 9% for females has been set on City funded construction projects for apprentices and journey level workers.

CHECKLIST:

1. Prime Contractor:

- A. Submit a Work Plan (Exhibit 2) to City prior to Contract award, or as otherwise designated. The Plan should detail your approach and strategies to achieve the targeted workforce goals established by the City.
- B. Submit a Work Plan for each subcontractor with a subcontract \$100,000 and above. The Plan should detail the approach and strategies that will be used to achieve the targeted workforce goals established by the City.
- C. Ensure compliance by all subcontractors with subcontracts of \$100,000 or more, and provide them with a copy of the Workforce Training & Hiring Program specifications.

2. Subcontractors, at all tiers, with contracts of \$100,000 or more:

- A. Submit a Work Plan (Exhibit 2) prior to beginning work on the project or within 5 days of signing a subcontract, whichever occurs first.

3. Prime Contractor & all subcontractors with contracts of \$100,000 or more must:

- A. Before starting work on this project: Submit proof of registration as a Training Agent with the Bureau of Labor & Industries (BOLI), Apprenticeship & Training Division. Not a BOLI registered training agent? Contact BOLI (971-673-0760) or City of Portland (503-823-5047) for further information.
- B. Throughout the duration of the project:
 1. Ensure that a minimum of 20% of labor hours in each apprenticeable trade performed by the Prime, and subcontractors with subcontracts of \$100,000 or more, are worked by state registered apprentices. The Prime and subcontractors shall fulfill the 20% apprenticeship requirement without exceeding the apprentice ratios approved by the applicable apprenticeship program, if working in excess of 300 hours in any given trade.
 2. Strive in good faith to meet the diversity goals of employing women and minorities (both journey and apprentice level workers).
 3. Make all reasonable and necessary efforts to employ a workforce that reflects the diversity of the city of Portland, including recruitment of a diverse workforce through the unions, the apprenticeship programs and other community resources, as described herein.
 4. Maintain written documentation of all requests for workers from the unions, apprenticeship programs, and community organizations.
 5. When an apprentice is hired: Notify the City's Contract Compliance Specialist assigned to the project.

6. Submit the Monthly Employment Report (Exhibit 4) by the 5th of each month to the Owner's Project Manager and the Contract Compliance Specialist. This report will be submitted electronically upon award (via email). For further information, please send an email to: murmer@portlandoregon.gov.

For additional information or questions, please contact the Contract Compliance Specialist assigned to the project or the City's Workforce Program Coordinator at 503-823-5047.

WORKFORCE TRAINING AND HIRING PROGRAM Specifications

I. PURPOSE

A. General Program Description

The Portland City Council has directed that all Bureaus and Departments maximize apprenticeship and employment opportunities for minorities, women and economically disadvantaged workers in the construction trades (ref. City Ordinance No. 167374, Feb. 16, 1994 and County Ordinance No. 861, July 11, 1996). Their goals include a) ensuring that the City does business with contractors whose workforce reflects the diversity of the workforce found in the city of Portland and Multnomah County, and b) that their contracting dollars provide fair and equal opportunities to the jurisdictions' diverse populations.

The Workforce Training & Hiring Program ("Workforce Program") is administered for the City of Portland, by the City of Portland, Procurement Services. The Workforce Program applies to all projects estimated at \$200,000 or more and to each subcontractor having a subcontract of \$100,000 or more on the project. The Contractor and all subcontractors are encouraged to fulfill the program requirements even if their contracts are less than these amounts.

Contractors shall make reasonable efforts to ensure that their workforce reflects the diversity of the city of Portland and Multnomah County.

One way contractors can make reasonable efforts to ensure that their workforce is diverse is to recruit, train and employ minorities and women whenever possible. This portion of the Contract establishes requirements regarding that recruitment, training and employment.

For purposes of the Workforce Program specifications, the following definitions shall apply:

The "**Contract**" shall mean the contract awarded as a result of these bid specifications.

"**Contractor**" shall mean the Prime Contractor to whom a Contract is awarded, and any subcontractors with subcontracts of \$100,000 or more.

The term "**minorities**" shall include members of either sex who are African-Americans, Hispanic Americans, Asians or Pacific Islanders, Native Americans or Alaskan Native Americans.

"**Owner**" shall mean the government agency that awarded the Contract, or leveraged public involvement in the project through a loan or development agreement.

The "**project**" shall include all work performed pursuant to the Contract.

B. Organization of Program Requirements

The Workforce Program specifications are divided into several parts.

Section II - refers to the action the PRIME must take in order to be eligible for award of a contract.

Section III - lists the actions that must be taken by the PRIME to meet contractual obligations.

Section IV - refers to remedies available to the Owner if a PRIME fails to meet the requirements of the Workforce Program specifications.

Section V - refers to the Owner's ability to monitor compliance with the Workforce Program specification by examination of PRIME and subcontractor records.

II. ACTIONS REQUIRED PRIOR TO BEGINNING THE PROJECT

The PRIME shall thoroughly read this Workforce Program specification and commit to perform all requirements described herein. The PRIME shall submit, before work begins, a Work Plan, which demonstrates how the workforce on this project will fulfill all program requirements, including utilization of apprentices and targeted workforce goals.

III. ACTIONS REQUIRED TO SATISFY CONTRACTUAL OBLIGATIONS

A. Make Reasonable Efforts to Have Diverse Workforce

A PRIME must make all necessary and reasonable efforts to have a workforce that reflects the diversity of the city of Portland and Multnomah County and is reasonably consistent with the availability of qualified women and minorities based on Equal Employment Opportunity data supplied by the City. This requirement is in addition to any other requirement of this portion of the Contract.

1. The PRIME and its subcontractors with subcontracts of \$100,000 or more, at any tier level, shall strive to achieve the workforce diversity goal of 18% minority and 9% female hours (including both journey level and apprentice workers) on the project.
2. Provide written documentation of its good faith recruitment efforts. Contractors must follow the process for recruiting apprentices and journey workers described in Section III, subsections F and G of this specification. This process is considered by the City to be the minimum effort to recruit a diverse workforce.
3. The failure by a union with whom the Contractor has a collective bargaining agreement to refer either minorities or women shall not excuse the Contractor's obligations under this section of the specifications.

B. Ensure Compliance by Certain Subcontractors

1. The PRIME shall ensure that each subcontractor having a subcontract of \$100,000 or more, at any tier, shall comply with all of the provisions of the Workforce Program specifications. Contractors shall include in their price all costs associated with this requirement. No change order will be executed in order for the PRIME to comply with the Workforce Program specifications.
2. The PRIME shall provide a copy of this Workforce Program specification to all subcontractors with contracts of \$100,000 or more executed for the project.

C. Register as a Training Agent

The PRIME shall register with the Oregon Bureau of Labor and Industries (BOLI) as a Training Agent and ensure that all subcontractors who have contracts in the amount of \$100,000 or more are registered as Training Agents. Registration as a Training Agent in a specific trade is not required if there are no training opportunities in that trade on the project, based on the maximum ratio allowed by BOLI.

1. Training programs approved by and registered with BOLI may be used to fulfill training requirements under the Workforce Program specifications. Other training alternatives must be approved by the City's Workforce Program Coordinator.
2. Training is intended to be primarily on-the-job training in apprenticeable crafts, and does not include classifications such as flag person, timekeeper, office engineer, estimator, bookkeeper, clerk/typist, fire fighter, or secretary. Hours performed in crafts, which are not apprenticeable occupations are exempt from the training requirements.
3. Exemptions to the training requirements must be approved by the Owner in writing prior to starting work on the project. Written requests for exemptions related to the training requirements will be considered by the Owner only for extreme circumstances during the course of the project, and must be approved in writing. All requests to exempt all or any portion of the work on a project shall be submitted to the Owner 14 calendar days before any work on the project begins. All exemptions must be approved by the Workforce Program Coordinator. *Please note: Procedures for granting exemptions are subject to change. For the most recent updates, please visit <http://www.portlandonline.com/omf/index.cfm?c=42255&>.*

D. Submit Documentation

The PRIME shall submit documentation regarding the following subjects to the Owner. The Owner's failure to object to documentation submitted by the PRIME or subcontractor shall not relieve them of the requirements of the Workforce Program specifications.

1. ***Training Agent Status***

The PRIME and all required subcontractors listed on the First Tier Subcontractor Disclosure Form must submit proof to the Contract Compliance Specialist that they are registered Training Agents with BOLI prior to beginning any work on the project.

2. ***Subcontractor Workforce Information***

Exhibit 2, Work Plan, must also be submitted for each subcontractor with a contract of \$100,000 or more, prior to beginning work on the project or within 5 calendar days after the execution of the applicable subcontract, whichever occurs first. Work by a subcontractor shall not begin prior to submission of such documentation.

3. ***Prime and Subcontractor Reports After Work Begins***

The Monthly Employment Report (Exhibit 4) must be submitted by the PRIME and any subcontractor having a subcontract of \$100,000 or more to the Contract Compliance Specialist by the 5th day of each month, with a copy to the Owner's Project Manager. The Contractor shall follow the submittal instructions on the report form. All hours subject to prevailing wage rates on public projects, in addition to supervisors, foremen and superintendents, shall be reported on Exhibit 4.

4. A copy of certified payroll reports may be requested by the Owner to verify information in the Report. The payroll reports shall be provided within 7 days of the date when the Contractor receives the request for the payroll.

E. Use of Apprentices

The PRIME shall:

1. Ensure that a minimum of 20% of labor hours in each apprenticeable trade performed on the

project by the PRIME, and subcontractors with subcontracts of \$100,000 or more, are worked by state registered apprentices throughout the duration of the project. The PRIME and subcontractors shall fulfill the 20% apprenticeship requirement without exceeding the apprentice ratios approved by the applicable apprenticeship program, if working in excess of 300 hours in any given trade.

2. Pay all apprentices the wages required by any applicable collective bargaining contract or pursuant to state or federal law and regulations.
3. Not use workers previously employed at journey-level or those who have successfully completed a training course leading to journey-level status to satisfy the requirements of these provisions.
4. Notify the Contract Compliance Specialist when an apprentice is hired for this project.
5. Count apprentice hours as follows:
 - (a) Hours worked on the project by apprentices enrolled in state-approved apprenticeship programs. If the Contractor is unable to fulfill its 20% requirement, then the Contractor may also use methods (b) and (c) below;
 - (b) Hours worked on the project by apprentices who are required to be away from the job site for related training during the course of the project, but only if the apprentice is rehired by the same employer after completion of training; and
 - (c) Hours worked on the project by graduates of state-registered apprenticeship programs, provided that such hours are worked within the 12-month period following the apprentice's completion date.

F. Use Apprenticeship Programs for Referrals

Contractors must follow all of these steps in seeking apprentice referrals:

1. Contact the appropriate apprenticeship program or dispatch center to request apprentices who are enrolled in the apprenticeship program; and
2. Request female or minority apprentices from the union or open shop apprenticeship program if such an action will help remedy historical underutilization in the Contractor's workforce; and
3. Keep a written record of the request for apprentices, including name of contact person at apprenticeship program, phone, fax, date, time, job location, start date, etc.; and
4. Make reasonable and necessary efforts to recruit apprentice applicants from the Worksource Program at the Oregon Employment Department, and seek to enroll them into an apprenticeship program, if the apprenticeship program is unable to supply an apprentice and if the program is open for applications or allows direct entry from the Oregon Employment Division.

NOTE: Contractors may contact the Contract Compliance Specialist for assistance regarding the apprentice referral process, or may utilize Exhibit 3, Request for Apprentice form, to document their efforts.

G. Utilize Unions and Community Organizations When Recruiting For any Positions

When hiring, requesting, recruiting, or replacing workers for this project, the Contractor shall:

1. Make reasonable and necessary efforts to employ a diverse workforce. Such actions should include requests for minority and female applicants. Contractors are notified that direct hiring of employees (such as "walk-ons") without providing notification of that job opportunity, in accordance with paragraph G.2. below, may not constitute a reasonable effort.
2. Document its employment efforts. Documentation should be sufficient to establish the Contractor's efforts, and should include:
 - a) Requests to union halls for signatory contractors;
 - b) Requests to union or open shop apprenticeship programs;
 - c) Requests to the Oregon Employment Division that assist contractors with recruitment and referral of workers.

IV. **CONSEQUENCES OF NONCOMPLIANCE WITH WORKFORCE PROGRAM REQUIREMENTS**

The Owner's commitment to this program is reflected, in part, by the cost of administering the program. Failure to meet the requirements of this section of the specifications negates such funding and impairs the Owner's efforts to promote workforce diversity and to provide fair and equal opportunities to the public as a whole as a result of the expenditure of public funds. Therefore, the parties mutually agree that failure to meet the requirements of this section of the specifications, including but not limited to the submission of required documentation, constitutes a material breach of the Contract.

In the event of a breach of this section of the Contract, the Owner may take any or all of the following actions:

A. Withholding Progress Payments

The Owner may withhold all or part of any progress payment or payments until the PRIME has remedied the breach of Contract. In the event that progress payments are withheld, the PRIME shall not be entitled to interest on said payments.

If a subcontractor(s) is responsible for noncompliance with the Workforce Program requirements, the Owner may choose to withhold only their portion of the progress payment.

B. Retain Sums as Damages for Failure to Comply with Workforce Program Specifications

The parties mutually agree that it would be difficult, if not impossible, to assess the actual damage incurred by the Owner for the PRIME's failure to comply with the Workforce Program specifications. The parties further agree that it is difficult, if not impossible, to determine the cost to the Owner when workforce opportunities are not provided. Therefore, if the PRIME fails to comply with the Workforce Program provisions of this Contract, the PRIME agrees to pay the sum of \$250 per day for each day of missed apprenticeship hours or until the breach of Contract is remedied. Damages may be assessed for failure to meet the 20% apprenticeship training requirements by the PRIME and each required subcontractor in each trade employed. Damages will be calculated based on the training hours not provided at a rate of \$250 per day. For example, if the Contractor was required to provide 200 hours of carpenter training (20% of 1,000 total carpenter hours), and the Contractor only provided 150 training hours, then the difference (50 hours) is divided by 8 (one day of work) to determine the

number of days of undelivered training. ($50/8 = 6.25 \times \$250 = \$1,562.5$).

Damages may also be assessed for failure to fulfill the inclusive hiring process described in Section III, subsections F and G.

These damages are independent of any liquidated damages that may be assessed due to any delay in the project caused by the Contractor's failure to comply with the Workforce Program provisions of the Contract.

C. Retain Sums as Liquidated Damages for Delay

The PRIME agrees that any delay to the specified contract time as a result of the PRIME's failure to comply with the requirements of these specifications shall subject the PRIME to the amount of liquidated damages specified elsewhere in the Contract.

D. Notification of Possible Debarment

By executing this Contract, the PRIME agrees that it has been notified that failure to comply with the requirements of this portion of the Contract may lead to the PRIME's disqualification from bidding on and receiving other Owner contracts.

E. Other Remedies

The remedies that are noted above do not limit any other remedies available to the Owner in the event that the PRIME fails to meet the requirements of the Workforce Program specifications.

V. REVIEW OF RECORDS

In the event that the Owner reasonably believes that a violation of the requirements of the Workforce Program specifications has occurred, the Owner is entitled to review the books and records of the PRIME and any subcontractors employed on the project to which the requirements of these specifications are applicable to determine whether such a violation has or has not occurred.

In the event that the PRIME or any subcontractor fails to provide the books and records for inspection and copying when requested, such failure shall constitute a material breach of this Contract and permit the imposition of any of the remedies noted in Section IV above, including the withholding of all or part of any progress payment.

ATTACHMENTS:

Exhibit 1: Recommended Recruitment & Retention Practices

Exhibit 2: Workforce Plan

Exhibit 3: Request For Apprentice form

Exhibit 4: Monthly Employment/Training Report

Exhibit 5: Apprenticeship Ratio Data

WorkSource Contact:

Frank Granger

WorkSource Portland Metro Central

30 N. Webster Street, Suite E

(503) 280-6056

Questions Regarding Apprenticeship:

Bureau of Labor & Industries
Apprenticeship & Training Division
800 N.E. Oregon St. # 32
Portland, OR 97232
(971) 673-0760

Questions Regarding the Workforce Training & Hiring Program:

City of Portland / Procurement Services
1120 SW 5th Ave, Room 750
Portland, OR 97204
503-823-5047 (main number)

RECOMMENDED GOOD FAITH RECRUITMENT & RETENTION PRACTICES

A. Recruitment Efforts

Good faith recruitment efforts are those intense, aggressive, sincere, and result-oriented actions taken by the Contractor designed to accomplish the objectives of the City Workforce Training & Hiring. Good faith recruitment efforts include, but are not limited to:

1. Work aggressively with Contractor's Joint Apprenticeship Training Committee (JATC) to recruit minorities, women and disadvantaged individuals. Provide evidence of these efforts.
2. Assist the JATC by conducting a workshop with minority and women employees to enlist their assistance as recruiters and request their ideas on how to increase employment of underutilized groups.
3. Support the efforts of the Contractor's JATC by giving all apprentices referred to the Contractor a fair chance to perform successfully, allowing for possible lack of previous experience. Recognize that the Contractor is responsible for providing on-the-job training, and that all apprentices should not be expected to have previous experience.
4. Participate in job fairs, school-to-work, and community events to recruit minorities, women, and disadvantaged individuals into the construction trades.
5. Allow scheduled job site visits by participants in community programs, as safety allows, increasing awareness of job and training opportunities in the construction trades.
6. Keep applications of those not selected for an opening. Contact when opening occurs.

B. Retention Efforts

The Contractor shall endeavor to retain minorities, women, and disadvantaged individuals by implementing steps such as the following:

1. Maintain a harassment-free work place.
2. Ensure that employees are knowledgeable about the company's policies if they need to report a harassment problem.
3. Make reasonable attempts to keep apprentices working and train them in all work processes described in the apprenticeship standards.
4. Review and disseminate, at least annually, the company's EEO policy and affirmative action obligations under these specifications with all employees having any responsibility for hiring, assignment, layoff, termination or other employment decisions.
5. Conduct a review, at least annually, of all supervisors' adherence to and performance under the Contractor's EEO policies and affirmative action obligations.
6. Take steps to reduce feelings of isolation among minorities and women to curb hostile attitudes and behavior (e.g., have several minorities and women at the job site, provide access to support group system).
7. Provide adequate toilet facilities for women on the job site.
8. Match minority, female, or disadvantaged apprentices who may need support to complete their apprenticeship programs with a journey-level mentor.

Workforce Plan

Instructions

1. This form must be completed by the prime and each subcontractor with a subcontract of \$100,000 or more.
2. Please state how you plan to perform the work on this project, indicating the number of journey workers and apprentices, by trade.
3. This plan must demonstrate how your company will fulfill all Workforce Training & Hiring Program requirements, including utilization of apprentices, and diversity goals.

Bid #: _____ **Project Name:** _____
Company Name: _____ **Contract Amount:** \$ _____
Federal Tax ID: _____ **Prime Contractor:** **Subcontractor:**

List all Trades to be used on this Project (one trade, per line)	Total # of Journey Workers	Total # of Apprentices	Total # of Female Workers	Total # of Minority Workers	# and level of New Hires (i.e. 1A or 1J)	Anticipated Start Date	Estimated Total Hours (all workers in each trade)

Please list the apprentices who will work on this project. If you need more space, attach an additional sheet of paper. Compliance Staff must approve all apprentices on the project.

Name of Apprentice	Trade	Race	Gender	Date of Hire	STAFF USE ONLY

If no current apprentices, indicate when and how they will be hired:

Name of Workforce Plan Administrator (for Apprentice/Diversity Goals): _____ Phone: _____ Fax: _____
 E-mail address? _____ Phone number: _____
 Are you a registered Training Agent? Yes No Are you a Union or Open Shop Contractor? Union Open Shop

Which JATC dispatches apprentices to your company?

Name: _____ Phone: _____ Fax: _____
 Name: _____ Phone: _____ Fax: _____

Please answer the following questions concerning your efforts to achieve the diversity goals on this project:

1. How do you plan to achieve the diversity goals on this project?
2. Other than your JATC, what resources will you use to recruit minority and female workers for this project (please check all that apply)?

<input type="checkbox"/> Oregon Tradeswomen	<input type="checkbox"/> ETAP	<input type="checkbox"/> Portland YouthBuilders
<input type="checkbox"/> Constructing Hope	<input type="checkbox"/> Job Corps	<input type="checkbox"/> Other
3. Do you need any assistance with meeting the apprenticeship requirements or diversity goals on this project?
 Yes No

Prepared By (print): _____ Signature: _____ Date: _____

Send to:
City of Portland, Bureau of Internal Business Services, Procurement Services
1120 S.W. Fifth Avenue #750, Portland, OR 97204
Phone (503) 823-5047 or FAX (503) 823-5539

Request For Apprenticeship

CONTRACTOR: Please complete & fax/send this *Request For Apprenticeship* to your apprenticeship committee. Ask them to complete the boxed portion below explaining their response to your request and fax/send to us at address below.

FAX To: _____ / _____
(Apprenticeship Committee) (Contact/ Dispatcher)

Fax Number: _____ Number of Pages: _____

Request From:

Company Name: _____ / _____
(Registered Training Agent) (Contact Person)

Phone: _____ Fax: _____ Date: _____ Time: _____

Apprentice Request:

As a registered Training Agent, I am using this form to request referral of an apprentice for employment with my company in cooperation with the City Workforce Training & Hiring Program. I would like to continue to diversify my workforce. Therefore, please refer ethnic minorities and women for my consideration.

Apprentice referral is needed by this date: _____ Work Starts: _____

Job Site Location: _____ Expected Length of Employment: _____

Bid # and Project Name: _____ Owner: City of Portland

Number of Apprentices: _____ Trade/Occupation: _____

Number of Apprentices: _____ Trade/Occupation: _____

Minimum qualifications (if different from apprenticeship standards): _____

Safety needs: Hard hat Gloves Hard-toed boots Other _____

Apprenticeship Committee Instructions:

Please complete and fax to City Workforce Program at: 503-823-6865

We were able to dispatch an apprentice to the project listed above.
Name of Apprentice _____ Race ~~K~~ _____ Gender ~~K~~ _____ Term ~~K~~ _____

We were unable to dispatch an apprentice to the project listed above because:

Contractor: Please FAX/Send to: City of Portland Workforce Training & Hiring Program
1120 SW 5th Ave. Rm 750, Portland, OR 97204
Phone: (503) 823-5047 / FAX: (503) 823-6865

MONTHLY EMPLOYMENT REPORT

MONTHLY EMPLOYMENT REPORT

COMPANY NAME	FEDERAL TAX ID	MONTH ENDING	BIDNO	PRIME?	FINAL REPORT?
<p>The Monthly Employment/Training Report must be completed by the prime contractor and all subcontractors with contracts of \$100,000 or more. The prime contractor shall submit a report for its workforce on the project. Each subcontractor shall separately submit a report for its workforce on the project. It is the responsibility of the prime contractor to assure that all subcontractors submit Monthly Employment/Training Reports in a timely manner.</p> <p>Complete the form on the worksheet titled MER (third tab), filling in all categories for each employee working on the project during the reporting period.</p> <p>Email the completed worksheet as an Excel attachment to mur-mer@portlandoregon.gov no later than the 5th of each month for work performed during the previous month. The emailed worksheet must be titled mer.xls. Please do not change the worksheet's layout or contents.</p> <p>Please direct questions about electronic data submission to the same email address.</p>					

REVISED 3.11.11

FEDID	MONTHENDING	BIDNO	LASTNAME	FIRSTNAME	ZIP	SSN	JOBCLASS	LEVEL	RACE	GENDER	HOURS	PRIME?
123456789	8/31/2002	100758	DOE	JANE	97214	9874	1010	A	C	F	32	NO
123456789	8/31/2002	100758	DOE	JOHN	97204	7489	1018	J	C	M	154	NO

Exhibit 5

*Ratios may change pursuant to actions taken by the Oregon State Apprenticeship & Training Council/BOLI.

For the purposes of this contract, the ratios approved by BOLI on the date the bid is advertised shall prevail.

TRADE	APPRENTICE TO JOURNEY RATIO*		
	1 st Apprentice	2 nd Apprentice	Max
Asbestos/Insulation Workers	1/1	1/4	
Brick/Marble/Terrazzo/Tile Finisher	1/1	1/3	
Bricklayer/Masonry	1/1	1/3	
Carpenter (Portland)	1/1	1/1	1/1 for first three apprentices; 1/5 after
Carpet Installers/Floorlayers	1/1	1/3	
Cement Masons	1/2 (1/1 Open Shop)	1/3	
Drywall Applicator (Ext/Int Specialists)	1/1	1/1	1/1 for the first three apprentices; 1/5 thereafter
Drywall Finisher (Taper)	1/1	1/3	1/3 thereafter
Electricians			
Inside	1/1	1/3	Allowed 2 apprentices for every 3 journey
Limited Energy/Limited Residential	1/1	1/1	
Construction Lineman	1/1		Max. 2 apprentices a crew/subject to conditions
Limited Maintenance Stationary Engineer	1/1	1/2	
Stationary Engineer	1/1	1/3	
Elevator Contractor	1/1	1/3	
Environmental Control System (HVAC)	1/1	1/1	Additional apprentices at 1/3
Glass Installer (Glazier)	1/1	1/3	
Hod Carrier/Mason Tender	1/1	1/5	
Iron Worker	1/1	1/3	
Laborer (Construction)	1/1	1/5 (1/3 open shop)	1/10 Union – 10 max
Maintenance Mechanic	1/1	1/3	
Millwright	1/1		1/1 for first three apprentices, 1/5 after
Operating Engineer (Heavy)	1/1-4	2/5-9	3/10-19 4/20-24 5/25-29 30 or more 1/for each 5 additional operators
Painting & Sandblasting	1/1	1/3	
Painting (Traffic Control)	1/1	1/4	
Pile Drivers	1/1	1/1	1/1 for first three apprentices, 1/5 thereafter
Pipe Fitters	1/1	1/1	1/3 thereafter
Plasterers	1/1	1/3	
Plumber	1/1	1/1	1/1 for first two apprentices, 1/3 after
Roofer	1/1	1/1	
Scaffold Erector	1/1		1/1 for the first five

Exhibit 5

TRADE	APPRENTICE TO JOURNEY RATIO*		
	1 st Apprentice	2 nd Apprentice	Max
Sheet Metal Worker	1/1	1/1	Max apprentices; 1/5 thereafter 1/1 for first two apprentices, 1/3
Sheet metal Worker (Residential)	1/1	1/3	
Sign Maker/Erector	1/1	1/1	
Sprinkler Fitter	1/1	1/1	
Steamfitters	1/1	1/1	1/1 for the first two apprentices on the job; 1/3 thereafter
Terrazzo Worker	1/1	1/3	
Tile/Marble Setter	1/1	1/3	
Truck Driver (Heavy)	1/1	1/1	