

Apprenticeship Schedule of Training Logbook

Refractory Mason

401R

2009

Apprenticeship Training Standard

The Apprenticeship Training Standard or herein after referred to as "Logbook" is a document issued to Apprentices who sign a Registered Training Agreement in the Province of Ontario as an official record of training. It is to be used by the Apprentice and Sponsor/trainer to guide the process of skills development in a particular trade.

Training As An Apprentice

- Ensure you, your sponsor, and your witness sign a Training Agreement with the Ministry of Labour, Immigration, Training and Skills Development. Once it is registered, you will receive a copy of the registered Training Agreement for your records.
- Notify the local Service Delivery Office immediately if any changes to contact information or training agreement, especially if you change sponsors.
- Review the Logbook regularly with your trainer and sponsor to discuss your progress, ask questions, seek feedback and have the trainer <u>sign-off on</u> <u>competencies</u>
- ✓ Keep an accurate record of the hours you work.
- Attend classroom training when it is offered.
- Apply for the financial incentives for which you are eligible.



Completing Your Logbook

 Complete the Sponsor Record Form – A form must be completed for each Sponsor/Trainer used during your apprenticeship.

Confirm Skill Sign-off is Complete

- You and your trainer sign-off each required skill to confirm that you have demonstrated competency in that skill.
- Shaded boxes in your Logbook mean the skills are optional and do not have to be confirmed by your trainer or sponsor. However, you are encouraged to complete them as part of your training.

Confirm Skill Set Sign-off is Complete

 After you and your trainer have signed-off all the required skills in a skill set, your sponsor signs the signature box on the form in Appendix C – "Skill Set Completion for Sponsors" to confirm your completion of all competencies within each skill set.

This document is the property of the apprentice named inside and represents the official record of your training. For information about completing your apprenticeship, see inside of back cover.



Apprentice Name: _	 		<u> </u>	
Address:		 		
Phone Number:		 		
Email Address:		 		
Trade:		 		

Training Agreement # (for Compulsory and Non-Compulsory trades):

STO Account No. (for Compulsory trades only):

This document is the property of the Apprentice named herein and represents the official record of their training.

If you have questions about the use of this Logbook or about your Apprenticeship program, contact your local Service Delivery Office (see Appendix D in this book) or the Employment Ontario hotline at: 1-800-387-5656.

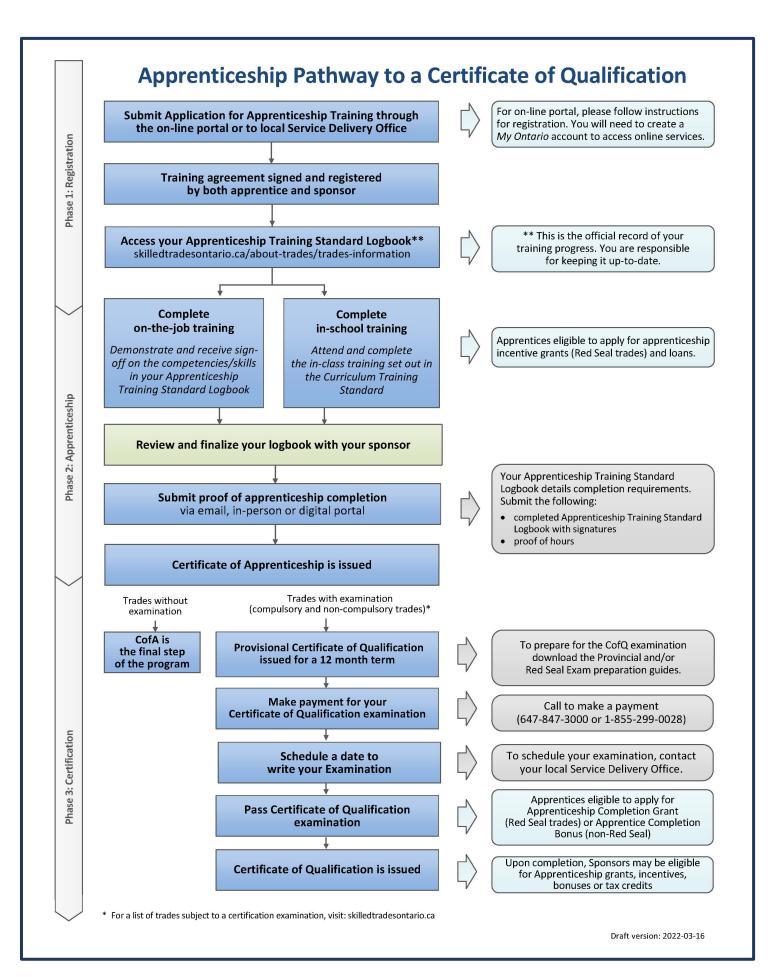


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Please Note: This Standard has been revised to reflect the visual identity of Skilled Trades Ontario (STO) which replaced the Ontario College of Trades on January 1, 2022. The content of this Standard may refer to the former organization; however, all trade specific information or content remains relevant and accurate based on the original date of publishing.

Please refer to STO's website: <u>skilledtradesontario.ca</u> for the most accurate and up to date information. For information about BOSTA and its regulations, please visit <u>Building</u> <u>Opportunities in the Skilled Trades Act, 2021 (BOSTA)</u>.

Any updates to this publication are available on-line; to download this document in PDF format, please follow the link: <u>Skilled Trades Ontario.ca.</u>

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Foreword: Purpose, Terms and Conditions of the registered Training Agreement

Purpose:

- Prior to starting official apprenticeship activities, the apprentice, sponsor and a witness are required to sign a Training Agreement.
- The Training Agreement that you have signed is an important legal document that outlines your responsibilities as an apprentice and the responsibilities of your sponsor.
- Once registered, this training agreement (or contract) marks the start of your formal agreement between the apprentice, the sponsor and the Ministry.
- For compulsory trades, the apprenticeship registration document must be accessible when working.

The Apprentice agrees:

- To inform the local Service Delivery Office of any change to your contact information or change in sponsor within 7 days;
- To follow the Sponsor's and Trainer's lawful instructions and make every effort to acquire the skills identified in the Logbook for the Trade which is part of the apprenticeship program established by Skilled Trades Ontario for the trade;
- To obtain written verification from the Sponsor and the Trainer(s) that the requirements in the Logbook for the trade have been met.
- When you receive an "Offer of Classroom Training", confirm your attendance by following the instructions in the offer. Failure to do so may result in losing your opportunity to attend school which delays the completion of your apprenticeship.

The Sponsor agrees:

- To ensure that the Apprentice is provided with the training required as part of the apprenticeship program established by Skilled Trades Ontario for this trade;
- To review the progress of training with the Apprentice, and with the Trainer(s) where the Sponsor and the Trainer are not the same party.
- Release your apprentice from work to attend in-school training without penalty to the apprentice.
- To maintain the journeyperson/apprentice ratio for your trade, if applicable.
- To monitor their apprentice(s) progress
- To ensure that the Trainer(s) verifies, in writing, when each skill identified in the Logbook for the trade has been successfully completed by the Apprentice;
- To contact the Ministry should any changes in your capacity to train, your contact information, or your apprentice's status in the program change.

Trade Specific Resources and Links

Trade Specific Resource	Link
Red Seal Program	red-seal.ca
Apprenticeship in Ontario	ontario.ca/page/apprenticeship-ontario
Employment Ontario	employmentontario.ca
Service Canada	servicecanada.gc.ca
Building Opportunities in the Skilled Trades Act, 2021	Building Opportunities in the Skilled Trades Act, 2021, S.O. 2021, c. 28 - Bill 288 (ontario.ca)
Ministry of Labour, Immigration, Training and Skills Development	Ministry of Labour, Immigration, Training and Skills Development ontario.ca
Exam Preparation Guide	Exam Resources – Skilled Trades Ontario
Skills Zone (Ontario Skills Passport)	http://www.skillszone.ca/

*Please note, all website addresses are current at time of printing

Methodology-Standard Development

A standard is developed with a broad group of trade representatives who form the initial working group. This includes subject matter experts/ tradespeople/ instructors and employers from a cross section of the sector/industry, with varying years of work experience in the field. The working group reviews, develops and recommends revision to the content of the standard. Their role also involves harmonizing and updating other supporting content for the product.

An essential part of the standard development is the validation process. This is the opportunity to have a broader representation of the sector provide feedback on the content of draft standard. This process is conducted in various ways and may include sending out a survey or the draft document (or both) directly to the sector. The comments received are reviewed by the working group and revisions are made as required based on a consensus model.

Introduction to the Logbook

This "on-the job" Logbook is the training standard for Refractory Mason 401R and was developed by Skilled Trades Ontario in consultation with representatives from industry. It identifies all the skills associated with and required to learn the trade.

The Logbook is divided into skill sets, which are further divided into skills. These skill sets and skills are written in statements that describe what the Apprentice must perform and to what standard, in order to be considered competent in that skill.

The successful performance of these skills is tracked in the Logbook. Once achieved, this skills' sign-off, along with the completion of in-school program requirements or equivalent, is how the apprenticeship program is completed and apprentices receive a Certificate of Apprenticeship.

The Sponsor/trainer and Apprentice are required to sign-off and date each skill after the Apprentice has demonstrated proficiency in these skills. However, if a skill is shaded, it is optional and does not need to be signed-off, though it has been defined as a part of the scope of practice for the trade.

All practices described in this standard must be performed by the apprentice according to the specific criteria identified. In general, the standard of performance for this trade is to be performed according to all applicable jurisdictional codes and standards and all health and safety standards must be respected and observed.

All skills within the Apprenticeship Training Standard are to be performed, as applicable, according to and in compliance with the following:

- Occupational Health and Safety Legislation and Regulations;
- Other applicable legislation, regulation, codes and standards;
- Industry best practices;
- Company policies and procedures.

The information presented in this standard is, to the best of our knowledge, current at time of printing and is intended for general application. Please refer to the Skilled Trades Ontario website for the most accurate and up-to-date information: <u>skilledtradesontario.ca</u>

Roles and Responsibilities

Under the Building Opportunities in the Skilled Trades Act, 2021 (BOSTA)

Skilled Trades Ontario (STO) is responsible for:

- Establishing and maintaining qualifications;
- Establishing Apprenticeship Programs and other training programs including training Standards, curriculum standards and certifying examinations;
- Issuing certificates for the purposes of this Act such as Certificates of Qualification;
- Maintaining a Public Registry for compulsory trades <u>skilledtradesontario.ca/public-register/;</u>
- Determining whether the experience and qualifications obtained by applicants for a certificate of qualification who do not complete an apprenticeship are equivalent to those received through completing an apprenticeship (Trade Equivalency Assessments)
- Promoting the skilled trades and conducting research.
- Conducting research and evaluate whether a trade should be prescribed as a trade for the purposes of this Act and to make recommendations on these matters to the Minister.

Ministry of Labour, Immigration, Training and Skills Development (MLITSD) is responsible for:

- Classifying trades as compulsory trades;
- Prescribing scopes of practice for trades;
- Approving which persons may provide in-class training for apprenticeship programs (TDAs);
- Registering Training Agreements;
- Providing those who successfully complete an apprenticeship program with a certificate of apprenticeship (CofA);
- Administering examinations, including certifying examinations;
- Promoting the skilled trades and conducting research;
- Exercising such other powers and perform such other duties and functions as are provided for in this Act or the regulations.

For any matter related to your registered Training Agreement or completing your apprenticeship, you must contact your local Service Delivery Office.

Roles and Responsibilities of the Apprentice

An Apprentice is an individual who has entered into a registered Training Agreement (refer to Foreword: *"Purpose, Terms and Conditions of TA" page 1*) with a Sponsor to receive training in a trade as part of an apprenticeship program established by Skilled Trades Ontario. As an Apprentice, you have certain roles and responsibilities to follow throughout your apprenticeship training:

- 1. As an Apprentice, you signed the Training Agreement and have entered into a contract with the Ministry of Labour, Immigration, Training and Skills Development and your Sponsor.
- 2. If you are registered as an Apprentice in a compulsory trade, your name will automatically appear in the Skilled Trades Ontario Public Register.
- 3. You are responsible for informing the staff at your local Service Delivery Office regarding changes to the following:
 - Your Sponsor's address;
 - Your name and address; and/or,
 - Your Sponsor, including starting employment with a new Sponsor
- 4. As an Apprentice, you are responsible for completing skills or skill sets in this Logbook (as detailed in the *"Eligibility for Apprenticeship Program Completion"* section of this document) and ensuring that they are dated and signed by both you and your Trainer.
- 5. Once you have demonstrated competency in all the mandatory skills and received a sign off on each skill by your sponsor/trainer, you must have the Skill Set Completion Form completed and signed by your current Sponsor.
- 6. Submit your Logbook to your local Service Delivery Office.
- 7. Present your Apprentice Completion Form (Please refer to Appendix B), along with your authorized Logbook to your local Service Delivery Office.

Roles and Responsibilities of Sponsors and Trainers

Sponsors are responsible for ensuring all terms are met as per the registered Training Agreement. They are named on the registered Training Agreement as the entity responsible for ensuring Apprentices receive the training required as part of an apprenticeship program. As a signatory to this agreement, they are designated as the 'Signing Authority' for the Apprentice's Skill Set Completion Form and are required to attest to successful achievement by signing the appropriate box at the completion of each skill set. Some sponsors may also act as the Trainer.

A **Trainer** is an individual who oversees the performance of a task and sets the workplace expectations and practices for the Apprentice.

In compulsory trades, a Trainer must hold a valid Certificate of Qualification and be registered with Skilled Trades Ontario.

In non-compulsory trades, a Trainer is an individual who holds one of the following:

- A Certificate of Qualification;
- A Certificate of Apprenticeship in the trade; or,
- Has completed both the workplace-based training (competencies and/or hours as applicable) and classroom training components of the trade's apprenticeship program; or,
- Has workplace experience equivalent to the apprenticeship program) and has the skills outlined in the Logbook.

Competency means being able to perform to the required standard (please refer to *"Introduction to the Logbook"*). Trainers/Sponsors and Apprentices are required to sign-off and date the skills in the Logbook following each successful acquisition. The Logbook forms a record of this achievement.

The Trainer must provide their signature based on their assessment and professional judgment that the apprentice is competent in the skills described above. The Trainer's signature is not a general warranty or guarantee of the apprentice's future conduct.

Sponsors participating in this training program will be designated as the Signing Authority and are required to attest to successful achievement by signing the appropriate box included at the end of each skill set.

Health and Safety

Safe working procedures and conditions, accident prevention and the preservation of health are of primary importance for apprenticeship programs in Ontario. These responsibilities are shared and require the joint efforts of government, sponsors, employers, supervisors, workers, apprentices and the public to achieve the goal of making Ontario's workplaces safe and healthy.

The <u>Occupational Health and Safety Act</u> (OHSA) provides us with the legal framework and the tools to do this. It sets out the rights and duties of all parties in the workplace, placing ultimate responsibility on the employer for the health and safety of workers (in this case apprentices) by ensuring procedures, controls, and training are established for dealing with workplace hazards. Therefore, it is imperative that all parties become aware of circumstances that may lead to injury, illness or harm. Safe learning experiences and environments can be created by controlling the variables and behaviours that may contribute to or cause an accident injury or illness.

A sponsor who is not the employer is reminded that the employer has legal responsibilities respecting health and safety over the apprentice who is their worker. The sponsor should encourage safe work habits and adherence to the employer's occupational health and safety requirements for the workplace.

It is generally recognized that a positive attitude about safety in partnership with health and safety competency contributes to an accident-free environment. Everyone will benefit as a result of a healthy attitude towards the prevention of accidents.

Workers and apprentices can be exposed to a multitude of hazards and, therefore, should be familiar with the Occupational Health and Safety Act and regulations.

The Internal Responsibility System:

One of the primary purposes of the Occupational Health and Safety Act (OHSA) is to facilitate a strong Internal Responsibility System (IRS) in the workplace. To this end, the OHSA lays out the duties of employers, supervisors, workers, apprentices, constructors and workplace owners.

Workplace parties' compliance with their respective statutory duties is essential to the establishment of a strong IRS in the workplace.

Simply put, the IRS means that everyone in the workplace has a role to play in keeping workplaces safe and healthy. Workers and apprentices in the workplace who see a health and safety problem such as a hazard or contravention of the OHSA in the workplace have a statutory duty to report the situation to the employer or a supervisor. Employers and supervisors are, in turn, required to address those situations and acquaint workers with any hazard in the work that they do.

The IRS helps support a safe and healthy workplace. In addition to the workplace parties' compliance with their legal duties, the IRS is further supported by well-defined health and safety policies and programs, including the design, control, monitoring and supervision of the work being performed.

Roles and Responsibilities under the Occupational Health and Safety Act

Employer's Responsibilities include but are not limited to the following:

- Instruct, inform and supervise workers and apprentices to protect their health and safety.
- Appoint competent persons as supervisors.
- Inform a worker, apprentice, or a person in authority, about any hazard in the workplace and train them in the handling, storage, use, disposal and transport of any equipment, substances, tools, material, etc.
- Take every precaution reasonable in the circumstances for the protection of a worker/apprentice.
- In workplaces in which more than five workers are regularly employed, prepare and post a written occupational health and safety policy and set up and maintain a program to implement it.
- Prepare and post policies with respect to workplace violence and workplace harassment and develop programs supporting workplace harassment and workplace violence policies.
- Ensure knowledge of applicable legislative, regulatory, codes and standards so requirements to be followed are clear to all workers/apprentices.

Trainer/Supervisor Responsibilities include but are not limited to the following:

- Ensure that a worker or apprentice works in compliance with the Act and regulations.
- Ensure that any equipment, protective device or clothing required by the employer is used or worn by the worker or apprentice.
- Advise a worker/apprentice of any potential or actual health or safety dangers known by the supervisor.
- Take every precaution reasonable in the circumstances for the protection of workers.

Worker/Apprentice Responsibilities include but are not limited to the following:

- Work in compliance with the Act and regulations.
- Use or wear any equipment, protective devices or clothing required by the employer.
- Report to the employer or supervisor any known missing or defective equipment or protective device that may endanger the worker or another worker.
- Report any hazard or contravention of the Act or regulations to the employer or supervisor.
- Not remove or make ineffective any protective device required by the employer or by the regulations.
- Not use or operate any equipment or work in a way that may endanger any worker.

The Three Rights of Workers/Apprentices

The OHSA gives workers and apprentices three important rights:

- 1. The right to know about hazards in their work and get information, supervision and instruction to protect their health and safety on the job.
- 2. The right to participate in identifying and solving workplace health and safety problems either through a health and safety representative or a worker member of a joint health and safety committee.
- 3. The right to refuse work that they believe is dangerous to their health and safety or that of any other worker in the workplace.

For construction projects applying to construction trades a Constructor is also identified

On all projects, either the owner or someone hired by the owner is the constructor.

The intent of the Occupational Health and Safety Act is to have one person with overall authority for health and safety matters on a project. This person is the constructor of the project.

The constructor is the party with the greatest degree of control over health and safety at the entire project and is ultimately responsible for the health and safety of all workers and apprentices. The constructor must ensure that all the employers, apprentices and workers on the project comply with the Act and its regulations.

Constructor's duties include the following:

- To ensure that the measures and procedures in the Act and regulations are carried out.
- To ensure that every employer, apprentice and worker on the project complies with the Act and regulations.
- To ensure that the health and safety of workers/apprentices on the project are protected.

Ministry of Labour, Immigration, Training and Skills Development

The Ministry of Labour, Immigration, Training and Skills Development conducts periodic inspections of workplaces to ensure that safety acts and regulations are being followed. Please direct any questions to the Occupational Health and Safety Contact Centre at 1-877-202-0008.

Apprenticeship Program Summary/Guidelines

Scope of Practice

The Scope of Practice for the trade of Refractory Mason is set out in section 115 of Ontario Regulation 875/21 under BOSTA and reads as follows:

115. The scope of practice for the trade of refractory mason includes restoring or replacing linings of furnaces, kilns and basins by installing refractory bricks, blankets, modules, castables, plastics or ceramic coatings to protect structures from high heat by doing the following:

- 1. Adapting the job site environment.
- 2. Using and maintaining refractory tools and equipment.
- 3. Tearing out refractory masonry.
- 4. Laying refractory bricks.
- 5. Installing poured castables.
- 6. Installing gunnable castables.
- 7. Installing lining with ceramic welding.
- 8. Installing shotcrete.
- 9. Installing refractory material by plastic ramming.
- 10. Installing ceramic fibre blanket and modules.

*While the Logbook draws on the scope of practice regulation (Section 115 of Ontario Regulation 875/21 under BOSTA). The Logbook does not purport to add to or modify the scope of practice as provided in regulation. *

Program Guidelines

On-the-Job Training Duration

Industry has identified 4000 hours as the benchmark necessary for any Apprentice to become competent in the skills required. There may be circumstances in which the duration varies from this guideline.

In-Class Training Duration

Industry has identified 240 hours of in-school training as the duration necessary for an Apprentice to complete the in-school curriculum for this program.

Total Training Hours

4240 hours

Journeyperson to Apprentice Ratio

Ratios in Regulation:

If a trade has been prescribed as being subject to an apprentice to journeyperson ratio, the number of apprentices who may be sponsored or employed by a person in the trade in relation to the number of journeypersons employed or otherwise engaged by the person in the trade **shall not exceed one apprentice for each journeyperson**; Further information can be found in the Apprenticeship section of the Government of Ontario website at <u>ontario.ca/page/hire-apprentice</u>

Program Requirements

Compulsory and Non-compulsory Classification

Regulations under the *Building Opportunities in the Skilled Trades Act, 2021,* classify each trade as either "compulsory" or non-compulsory." This trade is non-compulsory.

It is the responsibility of an Apprentice to maintain a training record in the form of a Logbook. The Sponsor and Trainer are required to sign-off when competencies in the trade are achieved.

Skills for Success Summary

Skills for Success are needed in a quickly changing world for work, learning and life. They are foundational for building other skills and important for effective social interaction. Everyone benefits from having these skills as they help individuals get a job, progress at their current job and change jobs. They also help individuals become active members of their community and succeed in learning.

Through extensive research and consultations, the Government of Canada launched the new Skills for Success model renewing the previous Essential Skills framework to better reflect the needs of the current and future labour market.

The occupational specific Essential Skills profiles are available online. These will be updated over time to align with the new Skills for Success model found here: <u>Skills for</u> <u>Success model</u>

Standard of Performance

A Refractory Mason builds and repairs heat and corrosion resistant structures and vessels such as furnaces, tanks, and containers. These structures are an integral part of the production process for industrial and commercial sites including steel mills, pulp and paper mills, foundries, refineries, auto plants, incinerators, glass plants, and hospitals.

A Refractory Mason must be able to work in confined spaces and extreme (hot, dusty) environmental conditions.

A Refractory Mason performs some or all of the following:

- Demonstration of safe working practices and procedures
- Adaptation of job site environment
- Tearing out of refractory masonry
- Using and maintaining refractory tools and equipment
- Laying of refractory brick
- Installation of poured castables
- Installation of gunnable castables
- Installation of lining with ceramic welding
- Installation of shotcrete
- Installation of refractory materials by plastic ramming
- Installation of ceramic fibre blankets and modules

A Refractory Mason demonstrates knowledge of:

- Safe working practices and procedures
- Adapting job site environment
- Using and maintaining refractory tools and equipment
- Tearing out refractory masonry
- Laying refractory brick
- Installing poured castables
- Installing gunnable castables
- Describing how to install lining with ceramic material
- Describing how to install shotcrete
- Installing refractory material by plastic ramming
- Installing ceramic fibre blanket and modules

Benchmark/Guideline Total Training Timeframes: (On-The-Job and Off-The-Job):

Recommended number of on-the-job hours 4000 hours (2 years) Includes 240 hours (8 weeks) of in-school training.

In general, the standard of performance for the trade of Refractory Mason are to be performed, as applicable, according to and in compliance with the following:

Industry Safety Standards which are based upon:

- Occupational Health and Safety Legislation and Regulations;
- Jurisdictional legislation and regulations, codes and standards (municipal bylaws etc.)
- Company policies and procedures
- All applicable manufacturers specifications and engineering specifications

Other Suggested or Required Certification(s) and Training

While an apprentice receives health, safety and occupational specific training and/or certification in a variety of fields during their apprenticeship, it is important to be aware that other occupational health and safety training and certification renewal or updating may also be required during their career before performing new types of work.

Training the Apprentice - Tips for Apprentices, Sponsors and Trainers

Tips for Apprentices

Remember, it takes time to learn. The following is a list of additional tips and tools to help make the most of your apprenticeship training:

- Practice safe work procedures early to create good habits;
- Use your Logbook as a journal to keep track of the skills you have achieved;
- Review your training plan with your Training Consultant, Trainer, or Sponsor;
- Discuss your training needs with your Trainer and/or Sponsor;
- Listen to the suggestions of your Trainer;
- Ask your Trainer questions if you are unsure of any skill you need to perform or any tools or equipment you need to use to perform your duties;
- Show enthusiasm and develop good work habits; and,
- Upon demonstration of competency, ensure that you and your Trainer sign-off the individual skills.

To get the most from this mentoring experience, request exposure to the full scope of the trade; meet regularly with your Sponsor/Trainer to discuss your progress, ask questions and seek feedback.

Tips for Sponsors

- Select Trainers with good communication skills and who work well with others;
- Ensure that the Apprentice always works under the direction of or has access to a qualified Trainer;
- Encourage Trainers to take upgrading courses (e.g. Train the Trainer, Mentor, Coach, etc.);
- Set out clear expectations and involve both the Apprentice and Trainer in developing the training plan
- Encourage safe work habits;
- Allow time for the Trainer to train and demonstrate skills to the Apprentice;
- Provide opportunities and time for the Apprentice to learn the trade;
- Ensure that the Apprentice receives the varied on-the-job trade training experience outlined in this document;
- Recognize good performance;
- Observe frequently;
- Provide constructive feedback and conduct regular performance reviews involving the Apprentice and Trainer;
- Use the Logbook as a monitoring tool and a part of regular performance evaluations; and,
- Complete the Skill Set Completion Form once the Apprentice has demonstrated competency in the skills.

• The detailed content listed for each skill is not intended to represent an inclusive list; rather, it is included to illustrate the intended direction for the skill acquisition.

Tips for Trainers

Trainers are responsible for ensuring the Apprentice is developing the skills outlined in this document. Here is a list of tips and tools to help Trainers in their supervision of Apprentices:

- Demonstrate model safe work habits;
- Provide opportunities and time for the Apprentice to learn the trade;
- Treat Apprentices fairly and with respect;
- Review the Logbook with the Apprentice and develop a training plan;
- Set out clear expectations and recognize good performance;
- Expose Apprentices to the full scope of the trade by providing training on the skills outlined in this document;
- Encourage and respond to all questions;
- Be patient;
- Explain, show and demonstrate the skill;
- Meet regularly with the Apprentice to discuss the apprentice's progress
- Provide continuous feedback;
- Sign-off skills when your Apprentice demonstrates competency, and,
- Use the Logbook as a guide to evaluate competence in each skill area. By using the Logbook, Trainers will be able to guide the process to and assist Apprentices to develop skills outlined in this document.

The best mentoring experience is when an Apprentice is given as much training/exposure to the full scope of the trade as possible. If this is not possible, help them to determine other ways this may be possible.

Notice of Collection of Personal Information

- 1. At any time during your apprenticeship training, you may be required to show this Logbook to the local Service Delivery Office. You will be required to submit the signed Apprenticeship Completion form to the Service Delivery Office in order to complete your program. The Service Delivery Office will use your personal information to administer and finance Ontario's apprenticeship training system, including confirming your completion and issuing your Certificate of Apprenticeship.
- 2. The Service Delivery Office will disclose information about your program completion and your Certificate of Apprenticeship to Skilled Trades Ontario, as it is necessary for Skilled Trades Ontario to carry out its responsibilities.
- 3. Your personal information is collected, used and disclosed by the Ministry of Labour, Immigration, Training and Skills Development under the authority of the *Building Opportunities in the Skilled Trades Act, 2021 (BOSTA).*
- 4. Questions about the collection, use and disclosure of your personal information by the Ministry may be addressed to the:

Manager, Employment Ontario Contact Centre Ministry of Labour, Immigration, Training and Skills Development 33 Bloor St. E, 2nd floor, Toronto, Ontario M7A 2S3 Toll-free: 1-800-387-5656; Toronto: 416-326-5656 TTY: 1-866-533-6339 or 416-325-4084

List of Trainers

Trainer's Name (Please Print)	Trainer's Signature	Date of start with Trainer (day/month/year)

On-The-Job Training: General Performance Objectives

6641.0 Demonstrate Safe Working Practices and Procedures

General Performance Objective

Demonstrate safe working practices and procedures by complying with safety acts, regulations, codes, standards and directives; performing housekeeping duties; implementing worksite emergency procedures; performing equipment condition assessments; utilizing and maintaining personal protective equipment and apparel; reporting injuries and accidents; employing simple first aid; manually moving equipment, supplies and components and performing lockout, tagging, and barricading procedures so that these procedures are carried out in accordance with directives identified in legislation and regulations, manufacturers' specifications and company directives.

Skills

6641.1 Comply with acts, regulations, codes, standards, and directives including Occupational Health and Safety Act (OHSA), and Workplace Hazardous Materials Information System (WHMIS), and confined space procedures, by reading, interpreting and following directions; according to legislation, and company policy and procedures.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

* A Trainer may be a Supervisor or the competent employee designated by the Apprentice's Sponsor.

6641.2 Perform housekeeping duties by identifying health and safety hazards in the workplace, so that the potential for personal injury, damage to equipment, vehicles and the environment are minimized; positioning equipment; erecting protective barriers and signs; recycling, removing and disposing of excess or unwanted materials; ensuring work area is free of obstructions, tools and equipment; and storing tools and equipment are in place and available for the next job, in accordance with legislation, job requirements, site procedures, safety requirements, and company policy and procedures.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

6641.3 Implement worksite emergency procedures including assessing the type and severity of the emergency; taking action to address the situation; activating the alarm system; reporting the emergency and evacuating the premises, in accordance with regulatory requirements, codes, site procedures, manufacturers' recommendations and specifications, safety requirements, and company policy and procedures.

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	mm/dd/yy	Trainer Print Name	*Trainer Signature
	mm/dd/yy	Apprentice Print Name	Apprentice Signature

6641.4 Perform equipment condition assessments including ladders, manual and powered lifting devices, and motorized chain hoists; by inspecting, and assessing performance and function, positioning, moving and adjusting the equipment; exchanging or removing equipment from service; checking for capacity, wear, crimps, fraying, fractures, cracks, corrosion, alignment, damage, lubrication, stability, noise, loose or missing components, tire condition, fluid levels and defective components; using measuring, leveling and fastening devices according to legislation, job requirements, manufacturers' recommendations and specifications, safety requirements, and company policy procedures.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

6641.5 Utilize personal protective apparel and equipment, including gloves, glasses, goggles, masks and respirators, face shields, ear protectors/plugs, safety footwear, head protection, heat and fire proof clothing, barrier cream, and fall arrest equipment, by inspecting, selecting, wearing and adjusting to ensure the safety of self and others, in accordance with regulatory requirements, manufacturers' recommendations and specifications, safety requirements, and company policy and procedures.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

6641.6 Maintain personal protective apparel and equipment, including gloves, glasses, goggles, masks and respirators, face shields, ear protectors/plugs, safety footwear, and fall arrest equipment by checking for wear, breaks, tears, cracks, leakage, loose and defective components; inspecting and analysing performance and functions; and storing or removing devices and components from service to ensure the safety of self and others, in accordance with regulatory requirements, manufacturers' recommendations and specifications, safety requirements, and company policy and procedures.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

6641.7 Report injuries and accidents to immediate supervisor and health and safety representative or committee, ensuring that details are provided, and forms and reports are completed and submitted, in accordance with regulatory requirements, safety requirements, and company policy and procedures.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

6641.8 Employ simple first aid relating to illness and occupational injury, including sudden illness, burns, cuts, sprains, chemical and smoke inhalations, heat stress, and contaminants in eyes, so that the condition of the victim is stabilized and prepared for further treatment; identifying the location of first aid supplies and equipment; obtaining the required emergency medical assistance, in accordance with the victims condition, first aid practices, regulatory requirements, manufacturers' recommendations and specifications, safety requirements, and company policy and procedures.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

6641.9 Move equipment, supplies and components manually by utilizing safe lifting, lowering, carrying, pushing and pulling techniques, to protect self and others, in accordance with regulatory requirements, safety requirements, and company policy and procedures.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

6641.10 Perform lockout, tagging, and barricading procedures to isolate hazardous or defective equipment by advising the appropriate authorities holding jurisdiction; installing a lockout device and retaining the key; attaching tags; releasing stored energy; performing a bump test; performing the required work; and removing the lockout device on completion of work; using hand and power tools and personal protective equipment, in accordance regulatory requirements, codes, manufacturers' recommendations and specifications, company policies and procedures, and safety requirements.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

6642.0 Adapt Job Site Environment

General Performance Objective

Adapt job site environment by assessing worksite conditions; controlling worksite hazards; adapting work environment and work procedures for extreme conditions and identifying work stoppage issues in accordance with job specifications, manufacturers' recommendations, company policy and procedures, and government regulations.

Skills

6642.1 Assess worksite conditions by visually inspecting unit and surrounding area; checking for worksite organization, material logistics, accessibility, staging, and first aid and emergency equipment; identifying worksite hazards, such as poor air quality, contaminates, overhead hazards, obstructions, extreme temperatures, lighting conditions, and potentials for fall and/or collapse; ensuring that all work materials, equipment, monitoring systems, and emergency systems are in place and functionally effective, in accordance with job specifications, manufacturers' recommendations, company policy and procedures, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

* A Trainer may be a Supervisor or the competent employee designated by the Apprentice's Sponsor.

6642.2 Control worksite hazards by identifying potential hazards, notifying the supervisor to take corrective action; arranging for and assisting with the removal or control of hazards such as silica and asbestos; and installing environmental equipment and systems, such as air blowers, pumps, lighting and negative air systems, so that the potential for personal injury and damage to equipment and the environment are minimized, in accordance with manufacturers' specifications, company policies and procedures, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

6642.3 Adapts work environment and work procedures for extreme conditions by determining how the work areas and materials can be protected; protecting materials from the elements by covering, sheltering or insulating as required; ensuring that the work site and materials are safe and functionally effective for future use, in accordance with job requirements, manufacturers' specifications, company policies and procedures, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

6642.4 Identify work stoppage issues, such as moisture, unstable substrate, lack of security, and insufficient light, water, ventilation, or power, by recording and reporting deficiencies or work barriers to supervisors, so that the potential for personal injury and damage to equipment and the environment is minimised, in accordance with site conditions, manufacturers' recommendations, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

6643.0 Use and Maintain Refractory Tools and Equipment

General Performance Objective

Use and maintain refractory tools and equipment including trade hand tools, power tools and equipment in accordance with job requirements, manufacturers' recommendations and specifications, company policies and procedures, and safety requirements.

Skills

6643.1 Use hand and power tools, including hammers, saws, arch centres, knives, ratchets and trowels, by determining the correct tool for the job; selecting the tool and required components; documenting use in a tool inventory control system; testing it and applying it to the job; and ensuring that tools are used for their intended purpose and functionally effective, in accordance with job requirements, manufacturers' recommendations and specifications, company policies and procedures, and safety requirements.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

* A Trainer may be a Supervisor or the competent employee designated by the Apprentice's Sponsor.

6643.2 Maintain hand and power tools, including hammers, arch centres, knives, ratchets, trowels, drills and saws by selecting, inspecting, testing, and analyzing performance and function; by using, exchanging, connecting, cleaning, lubricating, reconditioning, and storing or removing tools and accessories from service; and ensuring tools are maintained at a standard of repair that is safe and functionally effective, in accordance with job requirements, manufacturers' recommendations and specifications, company policies and procedures, and safety requirements.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

6643.3 Use equipment, including stud welders, bricking machines (e.g. 'pogo sticks'), vibrators, jack hammers, gunning machines, shotcrete machines, pumps, vent rods, pneumatic rings, kiln rings and pneumatic rammers by determining the correct equipment for the job; selecting the equipment and required components; documenting use in an equipment inventory control system; testing it and applying it to the job; and ensuring that they are used for their intended purpose and functionally effective, in accordance with job requirements, manufacturers' recommendations and specifications, company policies and procedures, and safety requirements.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

6643.4 Maintain equipment, including bricking machines (e.g. 'pogo sticks'), stud welders, vibrators, jack hammers, gunning machines, shotcrete machines, pumps, pneumatic rings, kiln rings and pneumatic rammers, by selecting, inspecting, testing, and analyzing performance and function; by using, exchanging, connecting, cleaning, lubricating, reconditioning, and storing or removing tools and accessories from service; and ensuring tools are maintained at a standard of repair that is safe and functionally effective, in accordance with job requirements, manufacturers' recommendations and specifications, company policies and procedures, and safety requirements.

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6644.0 Tear Out Refractory Masonry

General Performance Objective

Tear out refractory masonry by identifying areas and materials to be torn out; identifying sequence of removal; building and installing temporary supports; protecting the existing surrounding structures and other workers; removing refractory masonry and removing temporary support structures in accordance with job requirements, company policies and procedures, manufacturers' specifications, and government regulations.

Skills

6644.1 Identify areas and materials to be torn out by consulting with the client; performing visual inspection with a supervisor; checking for excessive wear, hot spots, cracking, deterioration, and deformities; and using electronic devices, hand and power tools, and gauges, in accordance with job requirements, company policies and procedures, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

* A Trainer may be a Supervisor or the competent employee designated by the Apprentice's Sponsor.

6644.2 Identify sequence of removal by determining a start and end point; assessing the need for temporary supports; identifying protection needs of existing structures; selecting the tools, equipment and supplies for the job; and determining and arranging the method of removal and disposal, in accordance with job requirements, company policies and procedures, manufacturers' specifications, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

6644.3 Build and install temporary supports such as angle irons, braces, wedges, jacks, plates, gussets, and shelf supports by determining the type of support required, determining the minimum strength and load bearing requirements, building or acquiring the appropriate supports, ensuring that the masonry material is supported in the correct position, securing supports in place until the masonry material is self-supporting or permanent structural supports are installed, and using appropriate tools and equipment in accordance with job requirements, company policies and procedures, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

6644.4 **Protect the existing surrounding structures and other workers** by using wood, steel, tarps or sand barriers to cover and shield adjacent linings and structures, in order to minimize damage and injury while tearing out refractory material, in accordance with job requirements, company policies and procedures, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

6644.5 **Remove refractory masonry** by working in conjunction with other trades people, to cut, break, chip and crush damaged and worn material; containing, removing and disposing of the waste materials; reassessing and gauging work progress; toothing, trimming and keying the surrounding surface; using demolition equipment and related masonry tools; ensuring that the work environment is clean and ready for repair or installation processes, in accordance with job requirements, company policies and procedures, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

6644.6 **Remove temporary support structures** as required after reinstallation of refractory materials, by disassembling the structures and related equipment; storing and/or disposing of structures, using hand and power tools, and cutting torches; ensuring there is minimal disruption of the masonry installation site, in accordance with job requirements, company policies and procedures, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

6645.0 Lay Refractory Brick

General Performance Objective

Lay refractory brick by designating lay down area; organizing bricks and corrosion resistant lining; identifying type and consistency of mortar; installing bricks and corrosion resistant linings in accordance with job specifications, manufacturers' specifications, company policies and procedures, and government legislation.

Skills

6645.1 Designate lay down area, by selecting a dry area protected from the elements; marking and identifying area; preparing for tools and materials set-up; and ensuring area is safe and accessible, in accordance with job requirements and company policies and procedures.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

* A Trainer may be a Supervisor or the competent employee designated by the Apprentice's Sponsor.

6645.2 Organize bricks and corrosion resistant lining by sorting according to shape, size, sequence, and quantity; checking for cracks, chips, size, deformation, tolerance and tailoring; setting aside damaged and unusable bricks; reporting excessive damaged materials to supervisor; re-palletizing in proper order and size sequence; and marking and identify the individual pallets, in accordance with job requirements, company policies and procedures and manufacturers' specifications.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

6645.3 Identify type and consistency of mortar required for the job including any additives or admixtures from the job specification so that the mortar has the correct consistency, plasticity, workability and setting time and is properly prepared for the application in accordance with manufacturers' recommendations and job specifications.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

6645.4 Install bricks and corrosion resistant linings by assembling the required materials; determining brick placement sequence based on shape and orientation of the structure, cutting the shape of the brick to conform to the wall of the structure, applying trowel techniques and unit masonry placement methods; carrying out construction in the required sequence; placing reinforcement and accessories in the masonry system; finishing the refractory brick lining; checking and controlling for quality on a continuous basis so that time and resources are not wasted in the use of materials, and applying installation skills in a timely and orderly manner, in accordance with job specifications, manufacturers' specifications, company policies and procedures, and government legislation.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

6646.0 Install Poured Castables

General Performance Objective

Install poured castables by installing anchors, insulation, and vapour barriers; setting forms; placing casting materials and removing the forms in accordance with job specifications, manufacturers' specifications, company policies and procedures, and government legislation.

Skills

6646.1 Install anchors, insulation, and vapour barriers for poured castables by marking and laying out anchor pattern on the shell; preparing the shell by grinding the anchor locations to remove oxidization and build up; and welding the anchor in place; ensuring the required anchor orientation and quality of the weld; and affixing the fire proof insulation and required vapour barriers; using tools and fasteners, in accordance with job specifications, manufacturers' specifications, company policies and procedures, and government legislation.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

* A Trainer may be a Supervisor or the competent employee designated by the Apprentice's Sponsor.

6646.2 Set forms, by establishing panel sizes and shapes; applying the releasing agent with a brush or sprayer; securing panels to the wall with false anchors, studs or walers, checking for alignment, uniformity and correct seal; ensuring adequate bracing and support for load and applied forces, in accordance with job specifications, manufacturers' specifications, company policies and procedures, and government legislation.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

6646.3 Place casting materials by setting up a mixing station; mixing the materials; checking for required consistency; transporting the materials to the form; pouring the casting material into the forms; and vibrating the material to consolidate the mix, ensuring the forms are secure and stable, and allowed the proper time to cure, in accordance with job specifications, manufacturers' specifications, company policies and procedures, and government legislation.

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	mm/dd/yy	Trainer Print Name	*Trainer Signature
	mm/dd/yy	Apprentice Print Name	Apprentice Signature

6646.4 Remove the forms by dismantling all bracing, fasteners, walers and panels; inspecting, repairing and storing forms; identifying and repairing any defects and deficiencies to the refractory installation and surrounding area, in accordance with job specifications, manufacturers' specifications, company policies and procedures, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

6647.0 Install Gunnable Castables

General Performance Objective

Install gunnable castables by installing anchors, insulation and vapour barriers; setting up gunning equipment; installing shot boards; gunning the lining; trimming the hot face; applying a curing agent and cleaning the equipment in accordance with job specifications, manufacturers' specifications, company policies and procedures, and government regulations.

Skills

6647.1 Install anchors, insulation, and vapour barriers for gunnable castables by marking and laying out anchor pattern on the shell; preparing the shell by grinding the anchor locations to remove oxidization and build up; welding the anchor in place; ensuring the required anchor orientation and quality of the weld; and affixing the fire proof insulation and required vapour barriers; using tools and equipment in accordance with job specifications, manufacturers' specifications, company policies and procedures, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

* A Trainer may be a Supervisor or the competent employee designated by the Apprentice's Sponsor.

6647.2 Set up gunning equipment, by selecting the correct size of gunning machine; connecting the gun to the air supply; running the hose from gun to installation; threading water body to the material hose and nozzle; checking for adequate air and water supply; checking for and ensuring a secure fit for connections, water ring, and nozzle; removing and replacing any defective parts; and connecting unit to clean water supply, in accordance with job specifications, manufacturers' specifications and company policies and procedures.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

6647.3 Install shot boards for gunnable castables by establishing panel sizes and shapes; applying the releasing agent with brush or spray instrument; securing shot boards to wall with tie wire; and cross bracing in alternate panels; ensuring adequate bracing and support for load and applied forces; checking for alignment and uniformity; using hand and power tools, in accordance with job specifications, manufacturers' specifications, and company policies and procedures.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

6647.4 Gun lining by establishing clear communication with the machine operator using hand signals or radio; adjusting the air and water supply, turning on the rotary bowl to start flow of material through the nozzle; and adjusting water flow to reduce potential rebound, projecting material in a circular motion onto the wall; installing material to full thickness of shotboard as a frame around the panel; and then working toward centre of panel; working on alternate panels; removing shot boards and shutting the machine down; ensuring a completely uniform product mix on the structure and avoiding any laminations in accordance with job specifications, manufacturers' specifications, and company policies and procedures.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

6647.5 Trim the hot face by screeding excess material to the thickness of the shot boards; using a straight edge that exceeds the width of the panel; ensuring that material is not pulled from anchors; checking that material is of a uniform thickness; in accordance with accepted trade practices, job specifications, manufacturers' specifications, and company policies and procedures.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

6647.6 Apply a curing agent to prevent excessively rapid drying by means of brush or sprayer in accordance with accepted trade practices, job specifications, manufacturers' specifications, and company policies and procedures.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

6647.7 Clean the equipment by blowing water and residual material out of the lines with compressed air and ensuring that nothing remains which will obstruct the lines when it dries, in accordance with accepted trade practices, job specifications, manufacturers' specifications, and company policies and procedures.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

6648.0 Install Lining Using Ceramic Welding

General Performance Objective

Install lining with ceramic material by preparing the work site; installing ceramic material through a welding process and closing the welding procedure

Skills

6648.1 Prepare the work site by assembling the required materials; securing a safe staging area free of uncontrolled sources of oxygen not less than fifteen (15) feet from the repair location; selecting the appropriate size of ceramic welding equipment based on the size of the repair and the volume of material to be placed; positioning the machine in such a manner as to ensure the material output is not directed toward any person; manually removing scale /slag or sandblasting the surface of the existing lining to ensure an effective bond; so that time and resources are not wasted in the use of materials and installation skills are applied in a timely and orderly manner in accordance with job specifications, manufacturers' specifications, and company policies and procedures.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature
	Apprentice Print Name	

* A Trainer may be a Supervisor or the competent employee designated by the Apprentice's Sponsor.

6648.2 Install ceramic material through a welding procedure by using the lance to build the refractory material out to the required thickness ensuring that it is evenly distributed to prevent as much as possible having to grind it level later so that time and resources are not wasted in the use of materials and installation skills are applied in a timely and orderly manner in accordance with job accepted trade practices, job specifications, manufacturers' specifications, and company policies and procedures.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

6648.3 Close the welding procedure by first shutting off the material feed then shutting off the oxygen source after all material has stopped flowing at the lance; purging all lines/hoses of oxygen and capping to prevent foreign material from entering; and emptying the welding machine hopper of material and storing it in a cool, dry place; so that the process is safely completed and excess ceramic material is cleaned from all equipment in accordance with job accepted trade practices, manufacturers' specifications, and company policies and procedures.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

6649.0 Install Shotcrete

General Performance Objective

Install shotcrete by installing anchors, insulation and vapour barriers; installing shot boards for shotcrete; setting up equipment for shotcreting; pumping shotcrete; trimming the hot face and cleaning equipment in accordance with job specifications, manufacturers' specifications, company policies and procedures, and government regulations.

Skills

6649.1 Install anchors, insulation, and vapour barriers for shotcrete by marking and laying out anchor pattern on the shell; preparing the shell by grinding the anchor locations to remove oxidization and build up; welding the anchor in place; ensuring the required anchor orientation and quality of the weld; and affixing the fire proof insulation and required vapour barriers; using hand and power tools and fasteners, in accordance with job specifications, manufacturers' specifications, company policies and procedures, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

* A Trainer may be a Supervisor or the competent employee designated by the Apprentice's Sponsor.

6649.2 Install shot boards for shotcrete by establishing panel sizes and shapes; applying the releasing agent with brush or spray instrument; securing shot boards to wall with tie wire; and cross bracing in alternate panels; ensuring adequate bracing and support for load and applied forces; checking for alignment and uniformity; using hand and power tools, in accordance with job specifications, manufacturers' specifications, company policies and procedures, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

6649.3 Set up equipment for shotcreting by selecting the correct size of shotcrete machine; running the hose from shotcrete setup to installation; connecting nozzle assembly to the material hose and to the source of accelerant; checking for adequate air and water supply; checking for and ensuring a secure fit for connections; removing and replacing any defective parts; and connecting unit to clean water supply, in accordance with job specifications, manufacturers' specifications, company policies and procedures, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

6649.4 Pump shotcrete by establishing clear communication with the machine operator; introducing lubricant and mixed shotcrete material mix to the pump; filling the hose to the installation site until lubricant is expelled and material appears at nozzle; checking for and removing any obstructions and blockages, shooting material and accelerant onto the wall in a circular motion; installing material to full thickness of the shot boards as a frame around the panel and then working toward centre of panel; working on alternate panels; removing shot boards and completing remaining panels; and shutting the machine down; ensuring a completely uniform product mix on the structure and avoiding any laminations or voids, in accordance with accepted trade practices, job specifications, manufacturers' specifications, and company policies and procedures.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

6649.5 Trim the hot face by screeding excess material to the thickness of the shot boards; using a straight edge that exceeds the width of the panel; ensuring that material is not pulled from anchors; checking that material is of a uniform thickness; and applying a curing agent, in accordance with accepted trade practices, job specifications, manufacturers' specifications, company policies and procedures, and government regulations.

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	mm/dd/yy	Trainer Print Name	*Trainer Signature
	mm/dd/yy	Apprentice Print Name	Apprentice Signature

6649.6 Clean equipment by blowing water and residual material out of the lines with compressed air and ensuring that nothing remains which will obstruct the lines when it dries, in accordance with accepted trade practices, job specifications, manufacturers' specifications, and company policies and procedures.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

6650.0 Install Refractory Material by Plastic Ramming

General Performance Objective

Install refractory material by plastic ramming by installing anchors and insulation; ramming plastic refractory material and trimming to the face of the wall in accordance with accepted trade practices, job specifications, manufacturers' specifications, and company policies and procedures.

Skills

6650.1 Install anchors and insulation for plastic ramming by marking and laying out anchor pattern on the shell; preparing the shell by grinding the anchor locations to remove oxidization and build up; welding the anchor in place; ensuring the required anchor orientation and quality of the weld; and affixing the fire proof insulation and required vapour barriers; using hand and power tools and fasteners, in accordance with accepted trade practices, job specifications, manufacturers' specifications, and company policies and procedures.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

* A Trainer may be a Supervisor or the competent employee designated by the Apprentice's Sponsor.

6650.2 Ram plastic refractory material by placing plastic slabs side by side across the area being repaired; knitting the slabs together using a pneumatic hammer; carrying out construction in the required sequence; installing the anchor tile in the designated area using clips or brackets; and ensuring the anchor tile is securely embedded in the plastic, in accordance with accepted trade practices, job specifications, manufacturers' specifications, and company policies and procedures.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

6650.3 Trim to the face of the wall by removing excess material using a trowel, spade, and curry comb, ensuring an even, uniform surface; installing aerating holes at approximately 6" centres to allow moisture release; and cutting in control joints to limit cracking in accordance with accepted trade practices, job specifications, manufacturers' specifications, and company policies and procedures.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

6651.0 Install Ceramic Fibre Blanket and Modules

General Performance Objective

Install ceramic fibre blanket and modules by installing studs and pins; installing blankets and installing modules in accordance with accepted trade practices, job specifications, manufacturers' specifications, and company policies and procedures.

Skills

6651.1 Install studs and pins by marking and laying out anchor pattern on the shell; preparing the shell by grinding the anchor locations to remove oxidization and build up; welding the anchor in place; ensuring the required anchor orientation and quality of the weld; and affixing the fire proof insulation and required vapour barriers; using hand and power tools and fasteners, in accordance with accepted trade practices, job specifications, manufacturers' specifications, and company policies and procedures.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

* A Trainer may be a Supervisor or the competent employee designated by the Apprentice's Sponsor.

6651.2 Install blankets by determining size and dimension of installation area; cutting material to required length; impaling the blanket on the pins; working in a continuous process across the width of the repair area; checking for tight fit; staggering of the joints of subsequent rows and layers, and allowing for an overlap of the blanket at the joints on the hot face layer to account for gas flow; affixing washers, insulated washers and/or cuplocks to the pins; ensuring blanket construction is secured to the structure; and spraying rigidizing coating on the surface, in accordance with accepted trade practices, job specifications, manufacturers' specifications, company policies and procedures, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

6651.3 Install modules by placing modules side by side; working from the bottom up in a continuous process across the width of the repair area; fastening each module to the stud; placing batten strips on each course as required; removing compression straps on modules to allow for expansion of module; tamping hot face surface to create a uniform surface; ensuring a tight fit; and spraying a rigidizing coating on the surface, in accordance with accepted trade practices, job specifications, manufacturers' specifications, company policies and procedures, and government regulations.

mm/dd/yy	Trainer Print Name	*Trainer Signature
mm/dd/yy	Apprentice Print Name	Apprentice Signature

Curriculum Learning Outcomes

S1301 Apply safe working practices and procedures (24 hours) Comply with safety directives Describe work requirements for confined spaces • Perform housekeeping duties • Describe worksite emergency procedures • Perform equipment condition assessments • Utilize and maintain. personal protective equipment and apparel • Describe injuries and accidents reporting procedures • Describe the process of simple first aid deployment • Manually move equipment, supplies and components Describe lockout, tag, and barricading procedures • S1302 Adapt job site environment (16 hours) Identify relevant worksite conditions • Describe the control of worksite hazards including silica and asbestos • Describe how to adapt work environment and work procedures for extreme conditions Identify work stoppage issues • S1303 Use and maintain refractory tools and equipment (24 hours) Use trade hand tools • Maintain hand tools • • Use power tools and equipment Maintain power tools and equipment. • S1304 Tear out refractory masonry (24 hours) Identify areas and materials to be torn out • Identify sequence of removal • • Build and install temporary supports Describe how to protect the existing surrounding structures and other workers Identify the process for removing refractory masonry •

- Identify the process for removing refractory masonry
- Describe how to remove temporary support structures

S1305 Lay refractory brick (40 hours)

- Identify types of refractory bricks
- Identify a designated lay down area
- Organize bricks and corrosion resistant lining
- Identify type and consistency of mortar
- Install bricks and corrosion resistant linings

S1306	 Install poured castables (24 hours) Describe characteristics of poured castables Install anchors, insulation, and vapour barriers Set forms Place casting materials Remove the forms
S1307	 Install gunnable castables (24 hours) Describe characteristics of gunnable castables Install. Anchors, insulation and vapour barriers Set up gunning equipment Install shot boards Gun the lining Trim the hot face Apply a curing agent Clean the equipment
S1308	 Describe how to install lining with ceramic material (8 hours) Describe the uses and characteristics of ceramic materials Explain how to prepare the work site Describe the procedure for installing ceramic material through a welding process Describe how the welding procedure is closed
S1309	 Describe how to install shotcrete (8 hours) Describe the characteristics of shotcrete materials Describe the procedure for installing anchors, insulation and vapour barriers Describe the installation procedure for shot boards Identify equipment set-up for shotcreting Describe shotcrete application and finishing techniques Describe how shotcrete equipment is cleaned
S1310	 Install refractory material by plastic ramming (24 hours) Describe the procedure for plastic ramming Install anchors and insulation Ram plastic refractory material Trim to the face of the wall
S1311	 Install ceramic fibre blanket and modules (24 hours) describe applications of fibre blankets install studs and pins install blankets install modules

Total Time: 240 hours

Definitions

Apprentice

- An individual who, pursuant to a registered Training Agreement, is receiving or is to receive training in a trade that is required as part of an apprenticeship program
- Holds a Training Agreement in either a compulsory or non-compulsory trade;
- Are subject to any ratios that have been set out in regulation and or recommended by industry for their trade(s);
- Remain as an Apprentice until they receive their Certificate of Apprenticeship

BOSTA

Building Opportunities in the Skilled Trades Act, 2021 (BOSTA)

Certificate of Apprenticeship (C of A)

A certificate issued to individuals who have demonstrated that they have completed an apprenticeship program in Ontario.

Certificate of Qualification (C of Q)

A certificate issued to an individual who has completed an apprenticeship or equivalent AND passed the Certificate of Qualification examination.

Competence

The ability of an individual to perform a skill, consistently without assistance, in the workplace as set out in the Logbook.

Competency Analysis Profile (CAP Chart)

A chart that identifies the training needs of an individual trade and details the skills/skill sets that must be demonstrated during an apprenticeship program.

Journeyperson

Journeyperson means an individual who holds a certificate of qualification (in a compulsory or non-compulsory trade) and/or an individual who practices as a journeyperson in a non-compulsory trade who does not hold a certificate of qualification and has equivalent experience in that trade.

Mandatory Skill

Status assigned to unshaded individual skills, skill sets or general performance objectives which must be signed-off for the Apprentice to complete their program.

Optional Skill

Status assigned to shaded individual skills, skills sets or general performance objectives for which sign-off is not required for the Apprentice to complete the program.

Provisional Certificates of Qualification

- A Provisional Certificate of Qualification is issued to an individual who has obtained a Certificate of Apprenticeship (in both compulsory and non-compulsory trades) in a program that has a Certificate of Qualification examination, to which the individual has not yet passed the Certificate of Qualification examination.
- A Provisional Certificate of Qualification shall have the prescribed term or, if no term is prescribed, a term of one year.
- In a compulsory trade, the Provisional Certificate of Qualification allows a person to continue working legally in the trade for up to 12 months while they work to pass the certifying exam.
- Individuals with a Provisional Certificate of Qualification are subject to any ratios that have been set out for their trade(s).

Ratios

For the purpose of an Apprenticeship program, a ratio is the maximum number of Journeypersons to Apprentices. The purpose of ratios is to provide consistent supervision, training and continuity of work.

Sign-off

Signature of the Sponsor of record, or an individual to whom that Sponsor has delegated signing authority, (e.g. Trainer) indicating an Apprentice's demonstration of competence.

Skill

Individual competency/task described in the Logbook.

Skill Sets

Group or selection of individual skills found in the Logbook.

Skill Set Completion for Sponsors

Listing for all skill sets and includes space for sign-off by Sponsor of record.

Sponsor

Means a person that has entered into a registered Training Agreement under which the person is required to ensure that an individual is provided with workplace-based training in a trade as part of an apprenticeship program.

Sponsor of Record

Refers to the Sponsor documented as being signatory to the registered Training Agreement or Contract of Apprenticeship. In order for a Sponsor to be considered for the training of Apprentices, they must identify that the workplace has qualified persons or the equivalent on site, and can identify that the workplace has the tools, equipment, materials, and processes which have been identified by the Industry representatives for the trade.

Trainer

An individual who oversees the performance of a task and sets the workplace expectations and practices for the Apprentice. For a compulsory trade, a qualified Trainer is an individual who holds a Certificate of Qualification. In a non-compulsory trade, a Trainer is an individual who either holds a CofQ, CofA, or is considered equivalent.

Ready to Write Your Exam?

Many of the skilled trades in Ontario have a final certification examination that you must pass to become certified in your trade. Passing the examination gives you the right to hold yourself out as a Journeyperson and receive a Certificate of Qualification in your trade.

There are two types of trade certification examinations in Ontario:

- 1. Provincial (Ontario) examinations which lead to a Certificate of Qualification.
- 2. Red Seal examinations which lead to a Certificate of Qualification with an Interprovincial Red Seal endorsement.

If a trade is designated as Red Seal in Ontario, you will be writing the Red Seal examination. To access the Red Seal preparation guide please visit: <u>red-seal.ca</u>

Ontario's Exam Preparation Guide

Exam Resources – Skilled Trades Ontario

Basic Examination Details for You to Know

- You will have up to four hours to write your examination.
- Accommodations must be requested and approved prior to scheduling your examination.
- You can leave the examination centre if you complete the examination in less than four hours.
- Exam questions are multiple choice with four options from which you must choose the correct answer. Your examination may have between 90 and 150 multiple choice questions.
- You need a mark of 70% to pass.

Scheduling Your Examination

The examination scheduling process is currently outlined in detail on the Skilled Trades Ontario website: <u>Exam Scheduling – Skilled Trades Ontario</u>

Remember these 3 basic steps:

- 1. Confirm your eligibility to write the examination with Skilled Trades Ontario.
- 2. Contact Client Services at Skilled Trades Ontario to pay your examination fee.
- Contact the local Service Delivery Office to schedule your examination in their examination centre: <u>https://www.ontario.ca/page/employment-ontarioapprenticeship-offices</u>

Instructions for Recording a Change in Sponsor

- 1. Record your first sponsor's information in Sponsor Record #1 this would be the sponsor who has signed your initial apprenticeship Training Agreement for this trade.
- 2. If you do change sponsors prior to completing this apprenticeship, please contact your local Service Delivery Office immediately to update your sponsor record.
- 3. Please make sure you record all the information regarding any additional sponsors of record towards your apprenticeship using the Sponsor Records on the following pages (if applicable).

You must fill out a Change of Sponsor Record each time you change your sponsor.

Sponsor Record #1

Sponsor Information			
Apprentice Name			
Training Agreement #	Date (mm/dd/yy)		
Sponsor Name			
Address			
Telephone			
E-mail Address			

Summary of Training	
Employment Start Date	
Employment End Date	
Total hours of training & instruction between dates of employment.	
Skill Sets Completed	

As the Sponsor, I hereby confirm that the above information is true and accurate to the best of my knowledge.

Signature: _____ Date: (mm/dd/yy)_____

The Sponsor is required to sign-off and date the skills after the Apprentice has proven competence in those skills. However, if a skill is shaded, it is optional and does not need to be signed-off.

*If you need additional copies of the Sponsor Record, visit <u>SkilledTradesOntario.ca</u> and search Sponsor Record Form.

Change of Sponsor Record #2

Sponsor Information	
Apprentice Name	
Training Agreement #	Date (mm/dd/yy)
Sponsor Name	
Address	
Telephone	
E-mail Address	

Summary of Training			
Employment Start Date			
Employment End Date			
Total hours of training & instruction between dates of employment.			
Skill Sets Completed			

As the Sponsor, I hereby confirm that the above information is true and accurate to the best of my knowledge.

Signature: _____ Date: (mm/dd/yy)_____

The Sponsor is required to sign-off and date the skills after the Apprentice has proven competence in those skills. However, if a skill is shaded, it is optional and does not need to be signed-off.

*If you need additional copies of the Sponsor Record, visit SkilledTradesOntario.ca and search Sponsor Record Form.

Change of Sponsor Record #3

Sponsor Information	
Apprentice Name	
Training Agreement #	Date (mm/dd/yy)
Sponsor Name	
Address	
Telephone	
E-mail Address	

Summary of Training			
Employment Start Date			
Employment End Date			
Total hours of training & instruction between dates of employment.			
Skill Sets Completed			

As the Sponsor, I hereby confirm that the above information is true and accurate to the best of my knowledge.

Signature: Date: (mm/dd/yy)

The Sponsor is required to sign-off and date the skills after the Apprentice has proven competence in those skills. However, if a skill is shaded, it is optional and does not need to be signed-off.

*If you need additional copies of the Sponsor Record, visit SkilledTradesOntario.ca and search Sponsor Record Form.

Change of Sponsor Record #4

Sponsor Information	
Apprentice Name	
Training Agreement #	Date (mm/dd/yy)
Sponsor Name	
Address	
Telephone	
E-mail Address	

Summary of Training			
Employment Start Date			
Employment End Date			
Total hours of training & instruction between dates of employment.			
Skill Sets Completed			

As the Sponsor, I hereby confirm that the above information is true and accurate to the best of my knowledge.

Signature: _____ Date: (mm/dd/yy)_____

The Sponsor is required to sign-off and date the skills after the Apprentice has proven competence in those skills. However, if a skill is shaded, it is optional and does not need to be signed-off.

*If you need additional copies of the Sponsor Record, visit SkilledTradesOntario.ca and search Sponsor Record Form.

Appendix A — Instructions for Apprenticeship Program Completion

Once an Apprentice has completed all the classroom training and benchmark on-the-job hours specified for the trade and has acquired all the mandatory skills included in this Logbook.

The Apprentice and the Sponsor complete the Apprentice Completion Form and the Skill Set Completion for Sponsors Form located on the following pages.

- 1. They sign the forms and submit them to their local Service Delivery Office. To find the closest office, check the contact information at <u>ontario.ca/page/employment-ontario-apprenticeship-offices</u> or call the Employment Ontario toll free number at (1-800-387-5656).
- 2. For All Trades: All mandatory skills (or the combination indicated in the completion requirements for the trade) in the Logbook must be signed-off. The recommended hours are a benchmark. If the Sponsor is completing the Apprentice before the industry recommended training hours are done, staff may request further information regarding the Apprentice's on-the-job training. An example of a request would be a letter from the Sponsor confirming the Apprentice worked for some time in the trade before the initial Training Agreement was registered, thereby acquiring some skills beforehand.

If Apprentices are submitting the completion request form and supporting documentation to their local Service Delivery Office by mail, fax, or email (as a scanned document), they should not include their Logbook; if they are presenting this form in person at the local Service Delivery Office, they should bring their Logbook with them.

After staff verifies all the information in the completion request, they may contact either the Apprentice or the Sponsor for further information or documentation. Once the completion has been confirmed, the local Service Delivery Office will issue a Certificate of Apprenticeship to the Apprentice.

Skilled Trades Ontario will receive notification of this completion.

- If the Apprentice has completed a program in a **compulsory trade**, Skilled Trades Ontario will automatically register the Apprentice for a Provisional Certificate of Qualification to continue to work legally for one year while preparing for the certification examination.
- If an Apprentice completes their apprenticeship in a **non-compulsory trade** and there is a Certificate of Qualification exam, they must write and pass the exam to receive a Certificate of Qualification from Skilled Trades Ontario.

For permission to schedule an exam once completion is confirmed, the individual must first contact the Skilled Trades Ontario Client Services Department at 647-847-3000 or toll free at 1-855-299-0028 to pay the certification examination fee. Once you have paid your exam fee with Skilled Trades Ontario, book your exam by contacting your nearest Employment Ontario local Service Delivery Office.

Appendix B — Apprentice Completion Form

Please fill out both sides of this form, including the Skill Set Completion for Sponsors (see back of form). Once both sides are completed, submit the form to your local Service Delivery Office (find contact information at <u>ontario.ca/page/employment-ontario-apprenticeship-offices</u> or by calling Employment Ontario at (1-800-387-5656).

Apprentice Information		
Name (print)		
Client ID # Issued by Ministry		
Telephone Number(s)		

Sponsor Information	
Legal Name	
Address	
Telephone Number(s)	
Sponsor's Signing Authority (print name)	
E-mail Address	

Program Information			
Trade Name			
Number of hours required as per Training Agreement (hours-based trades only)			
Hours completed? (documentation attached)	Yes ()	No()	Not applicable()
Classroom training completed or exempt?	Yes ()	No()	Not applicable()

I hereby confirm that the information submitted on both sides of this form is true and accurate.

Date

Appendix C — Skill Set Completion for Sponsors

You will find the skill set numbers and titles in the Logbook's Table of Contents. By signing off each skill set in the table below, you are providing final confirmation, as the Apprentice's Sponsor, that the Apprentice has demonstrated competency in all the mandatory skills included in the skill set.

Skill Set #	Skill Set Title	Signing Authority Signature	
6641.0	Demonstrate Safe Working Practices and Procedures		
6642.0	Adapt Job Site Environment		
6643.0	Tear Out Refractory Masonry		
6644.0	Use and Maintain Refractory Tools and Equipment		
6645.0	Lay Refractory Brick		
6646.0	Install Poured Castables		
6647.0	Install Gunnable Castables		
6648.0	Install Lining with Ceramic Welding		
6649.0	Install Shotcrete		
6650.0	Install Refractory Material by Plastic Ramming		
6651.0	Install Ceramic Fibre Blanket and Modules		
Ministry of Labour, Immigration, Training and Skills Development use only:			

Ministry of Labour, Immigra	tion, Training and Skills	Development use only:
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Sponsor vehiled as most recent sponsor of record:
Documentation to support completion of hours attached:

en venified as most assent as success of assent

Yes () N	lo	()
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Yes () No ()	-	-	-	
	Yes ()	No ()

Yes() No()

Signature

Date

Learning Outcomes Completion Form

Completion of classroom training verified:

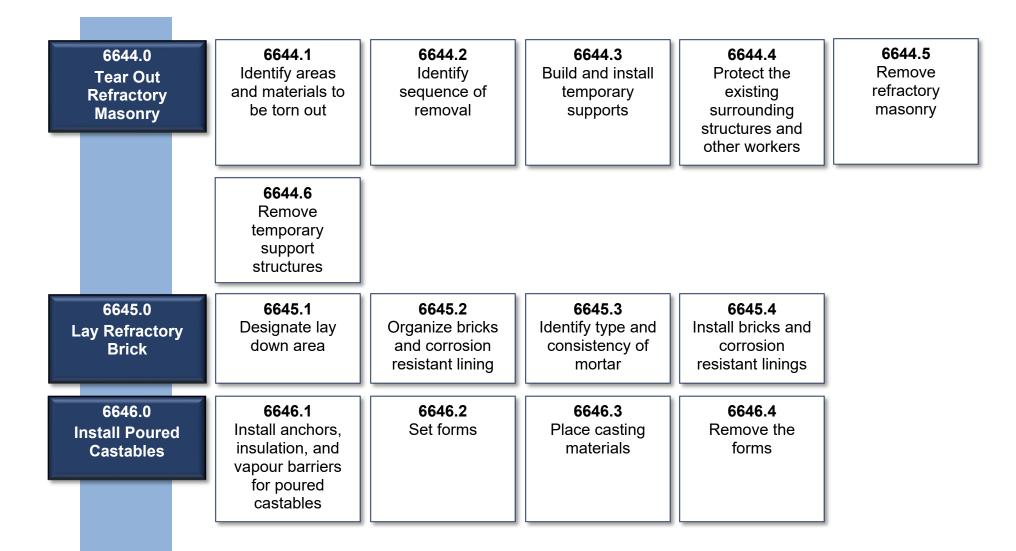
Date of Completion	Organization Name(s)	Signing Authority Signature	

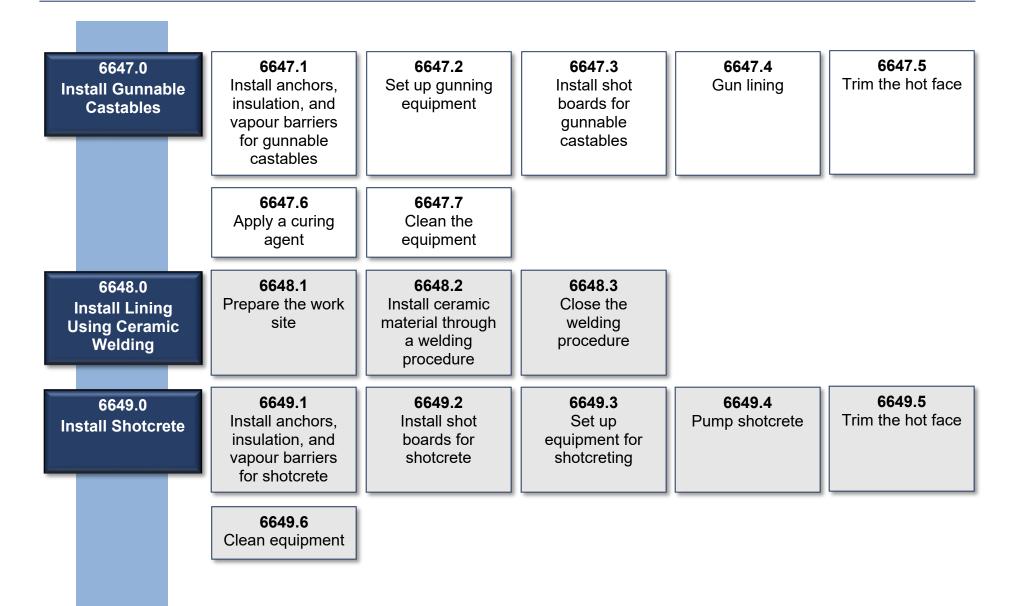
Appendix D — Local Service Delivery Offices in Ontario For current office listings visit: <u>ontario.ca/page/employment-Ontario-apprenticeship-offices</u>

Location	Contact	Location	Contact
Barrie 705-737-1431	55 Cedar Pointe Dr Unit 609, Barrie, ON L4N 5R7	Marathon 807-346-1550	52 Peninsula Road, Suite 103 Marathon, Ontario, P0T 2E0
Belleville 613-968-5558 1-800-953-6885	135 North Front St, Belleville, ON K8P 3B5	Markham 905-513-2695	140 Allstate Parkway, Suite 505, Markham, Ontario L3R 5Y8
Brantford 519-756-5197	505 Park Rd North Suite 201, Brantford, ON N3R 7K8	North Bay 705-495-8515 1-800-236-0744	200 First Ave West, North Bay, ON P1B 3B9
Chatham 519-354-2766 1-800-214-8284	870 Richmond St West 1st Floor, Chatham, ON N7M 5J5	Ottawa 613-731-7100 1-877-221-1220	Preston Square, 347 Preston Street, Suite 310, Ottawa, ON K1S 3H8
Cornwall 613-938-9702 1-877-668-6604	132 Second St East Ste 202, Cornwall, ON K6H 1Y4	Owen Sound 519-376-5790 1-800-838-9468	1450 1st Ave West, Suite 100, Owen Sound, ON N4K 6W2
Dryden 807-456-2665 1-800-734-9572	Provincial Government Building, 479 Government St, Dryden, ON P8N 3K9	Peel 905-279-7333 1-800-736-5520	The Emerald Centre, 10 Kingsbridge Garden Circle, Suite 404, Mississauga, ON L5R 3K6
Durham 905-433-0595 1-800-461-4608	78 Richmond Street West, Oshawa, ON L1G 1E1	Pembroke 613-735-3911 1-800-807-0227	615 Pembroke St East, Pembroke, ON K8A 3L7
Elliot Lake 1-800-236-8817	50 Hillside Dr North, Elliot Lake, ON P5A 1X4	Peterborough 705-745-1918 1-877-433-6555	901 Lansdowne St West, Peterborough, ON K9J 1Z5
Fort Frances 807-274-8634	922 Scott St 2nd Flr, Fort Frances, ON P9A 1J4	Sarnia 519-542-7705 1-800-363-8453	Bayside Mall, 150 Christina St North, Sarnia, ON N7T 7W5
Geraldton 807-854-1966	208 Beamish Avenue West Geraldton, Ontario P0T 1M0	Sault Ste. Marie 705-945-6815 1-800-236-8817	477 Queen St East 4th Flr, Sault Ste Marie, ON P6A 1Z5
Halton 905-842-5105 1-844-901-5105	700 Dorval Dr., Suite 201, Oakville, ON L6K 3V3	St Catharines 905-704-2991 1-800-263-4475	Garden City Tower, 301 St Paul St East, 10th Flr, St Catharines, ON L2R 7R4
Hamilton 905-521-7764 1-800-668-4479	Ellen Fairclough Bldg, 119 King St West 8th Flr, Hamilton, ON L8P 4Y7	Sudbury 705-564-3030 1-800-603-5999	159 Cedar St Ste 506, Sudbury, ON P3E 6A5
Kapuskasing 705-465-5785 705-235-1950	Ontario Government Complex, 122 Government Rd West, Kapuskasing, ON P5N 2X8	Thunder Bay 807-346-1550 1-800-439-5493	189 Red River Rd Suite 103, Thunder Bay, ON P7B 1A2
Kenora 807-468-2879 1-800-734-9572	227 1/2 Second St South, Kenora, ON P9N 1G4	Timmins 705-235-1950 1-877-275-5139	Ontario Government Complex, 5520 Highway 101 East Wing B, South Porcupine, ON P0N 1H0
Kingston 613-548-1151 1-866-973-4043	Alliance Business Centre, 299 Concession St Ste 201, Kingston, ON K7K 2B9	Toronto Centre 416-927-7366 1-800-387-5656	2 St Clair West, 11 th floor Toronto, ON M4A 1L5
Kitchener 519-653-5758 1-866-877-0099	4275 King St East, Kitchener, ON N2P 2E9	Toronto South 416-326-5800	625 Church St 1st Fl, Toronto, ON M7A 2B5
London 519-675-7788 1-800-265-1050	1200 Commissioners Rd E, Unit 72, London, ON N5Z 4R3	Windsor 519-973-1441	Roundhouse Centre, 3155 Howard Ave 2nd Fl, Suite 200, Windsor, ON N8X 4Y8

	Competency Analysis Profile (CAP) Chart				
6641.0 Demonstrate Safe Working Practices and Procedures	6641.1 Comply with acts, regulations, codes, standards, and directives	6641.2 Perform housekeeping duties	6641.3 Implement worksite emergency procedures	6641.4 Perform equipment condition assessments	6641.5 Utilize personal protective apparel and equipment
	6641.6 Maintain personal protective apparel and equipment	6641.7 Report injuries and accidents	6641.8 Employ simple first aid	6641.9 Move equipment, supplies and components manually	6641.10 Perform lockout, tagging, and barricading procedures
6642.0 Adapt Job Site Environment	6642.1 Assess worksite conditions	6642.2 Control worksite hazards	6642.3 Adapts work environment and work procedures for extreme conditions	6642.4 Identify work stoppage issues	
6643.0 Use and Maintain Refractory Tools and Equipment	6643.1 Use hand and power tools	6643.2 Maintain hand and power tools	6643.3 Use equipment	6643.4 Maintain equipment	

atanay Analysis Brafila (CAB) Chart







Ν	otes

Completing Your Apprenticeship Program

Once your sponsor agrees you are competent in the required skills, your hours are complete and you have completed all the levels of classroom training required for your trade:

- Follow the completion instructions on the Completion Form (Appendix A) in the Logbook.
- Answer any questions that MLITSD staff may have and provide any additional completion documentation that may be required.
- Once completion is confirmed, MLITSD will issue you a Certificate of Apprenticeship and notify Skilled Trades Ontario.

After Your Apprenticeship

If you are in a trade with a certification exam, Skilled Trades Ontario will receive notice of your completion.

For compulsory trades, you will be issued a Provisional Certificate of Qualification which will allow you to work legally for up to 12 months until you write and pass your examination.

For a non-compulsory trade, once you pass your examination, you will be issued a Certificate of Qualification for your trade.

Preparing For Your Exam

- To pay for a Certificate of Qualification examination, contact Skilled Trades Ontario Client Services Department at: 647-847-3000 or toll free at 1-855-299-0028
- **To schedule your exam:** Once you have paid, contact your local Service Delivery Office to book your exam.
- Download Skilled Trades Ontario exam preparation guide at: <u>Exam Resources – Skilled Trades Ontario</u> and/or view the exam preparation guide for Red Seal trades at: <u>red-seal.ca</u>



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