



	Level 1	Page 2/2
Red Seal Tasks	On-The-Job Duties	Completed
Prepares tube, tubing & pipe	Ensure compliance through sensory inspection, certification checks & material verification	
	Prepare piping systems by selecting tools, verifying materials, inspecting damage, measuring accurately & securing components for cutting	
	Prepare piping systems by selecting & inspecting materials, measuring accurately & securing components	
	Prepare pipe connections by selecting tools, reaming, threading, flaring, cleaning, beveling & inspecting materials to meet code requirements & industry standards	
Joins tube, tubing & pipe	Join copper tube, tubing & pipe using joining techniques	
	Join plastic tube, tubing & pipe using solvent welding or mechanical fittings	
	Join steel tube, tubing & pipe using welding or threading methods	
	Join cast iron pipe using couplings & various techniques	
	Join specialized tube, tubing & pipe, as required, for specific systems	
Installs, tests & services interior drainage, waste & vent (DWV) systems	Identify fixtures & surfaces needed for hydraulic load calculations using drawings & specifications	
	Identify benchmarks to set piping grade & offsets accurately	
	Select & layout piping according to site drawings, codes & specifications	
	Test interior DWV systems to ensure proper drainage & venting	
	Select & use testing equipment to detect faults & verify system operation	



	Level 2	Page 1/2
Red Seal Tasks	On-The-Job Duties	Completed
Performs routine trade activities	Layout final position of piping according to drawings, codes & job specifications	
	Calculate tube, tubing & pipe lengths based on measurements & system design	
	Install piping supports to ensure proper pipe alignment & support	
	Install piping sleeves to protect pipes as they pass through walls & floors	
	Assist in controlled flushing of non-critical plumbing components to practice removal of foreign matter	
	Assist in securing penetrations or embedding components in non-critical areas following specifications	
	Assist in marking excavation routes & verifying underground utility locations to prevent hazards	
	Select & use tools for securing fire stopping devices to building structures according to specifications	
Installs, tests & services interior drainage, waste & vent (DWV) systems	Calculate total hydraulic load for the building based on code tables & site conditions	
	Calculate & lay out piping according to site specifications & code requirements	
	Calculate piping grade & install supports & hangers to ensure stability	
	Perform system checks & pressure tests to analyze performance & ensure compliance	
	Perform maintenance & repairs, such as isolation, cleaning & replacing components, as required	
Installs, tests & services plumbing fixtures & appliances	Install plumbing fixtures, such as sinks & toilets	
	Install plumbing appliances, such as water heaters	
	Test plumbing fixtures & appliances for proper operation	
	Service plumbing fixtures & appliances	
Installs, tests & services piping & components for hydronic systems	Install hydronic heating equipment, such as boilers & radiators	
	Install hydronic cooling equipment, such as chillers & cooling coils	
	Test hydronic heating & cooling equipment for efficiency	
	Service hydronic heating & cooling equipment by troubleshooting & performing necessary repairs	

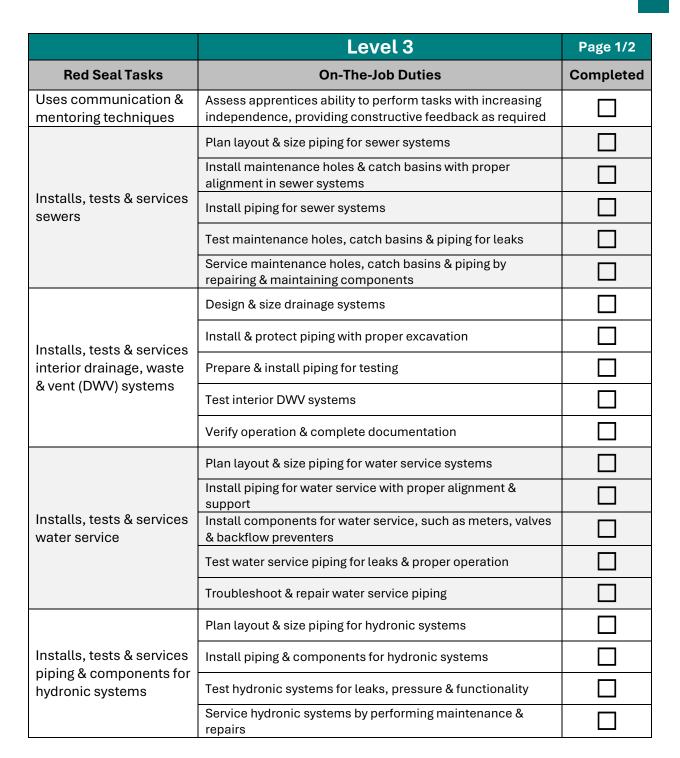




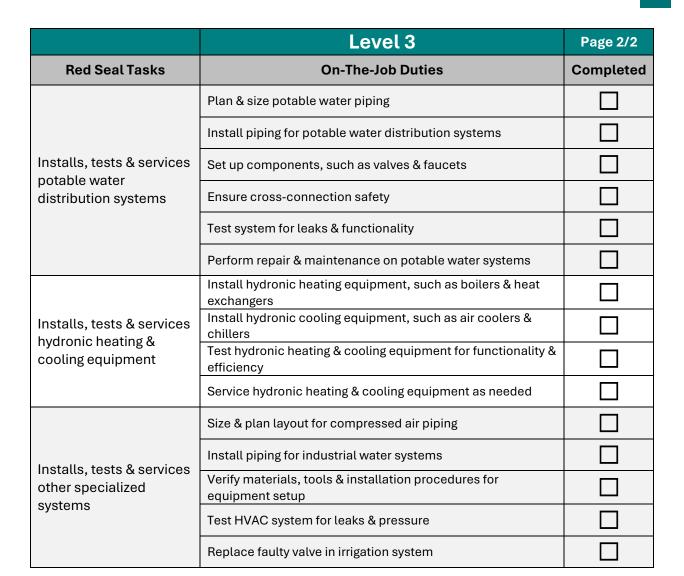


	Level 2	Page 2/2
Red Seal Tasks	On-The-Job Duties	Completed
Installs, tests & services hydronic heating & cooling equipment	Select & use tools & equipment for hydronic heating & cooling applications	
	Determine placement of hydronic cooling equipment based on site conditions.	
	Verify sequence of operations to ensure proper functionality	
	Clean, replace & repair hydronic equipment & piping	

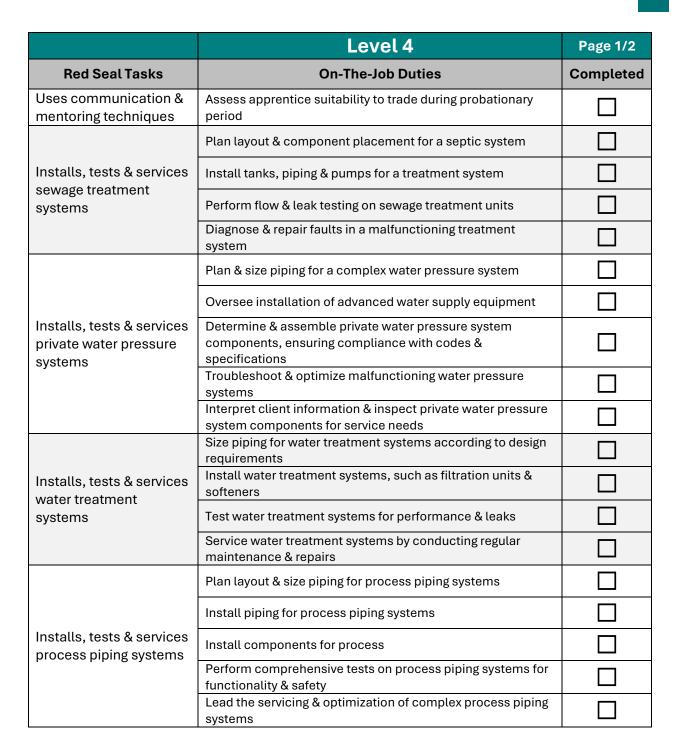














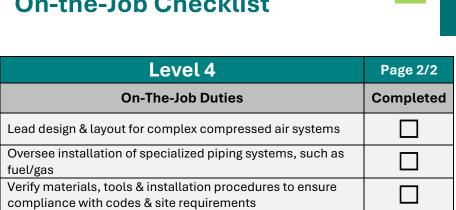


Conduct full system tests & troubleshoot issues in

Lead service & optimization of complex irrigation or HVAC

specialized systems

systems



All work performed in this checklist is to be done under the supervision and guidance of a certified journeyperson



Red Seal Tasks

Installs, tests & services

other specialized

systems



Information Regarding the Checklist

Saskatchewan Apprenticeship and Trade Certification Commission's (SATCCs) On-The-Job Checklist provides a complete list of trade-specific Red Seal tasks for apprentices to complete under the supervision of a journeyperson. This work should be completed prior to attending the technical training level under which the duties are listed (e.g. Level 1 completed prior to attending Level 1 technical training).

Completing this checklist will ensure that apprentices are exposed to the full scope of a particular Red Seal trade throughout their apprenticeship program. It will also help prepare apprentices for each level of technical training by performing work on-the-job relating specifically to topics covered later on. The trade-specific tasks listed have been reviewed by certified journeypersons in Saskatchewan for their accuracy and have been set to an appropriate skill level.

An apprentice spends approximately 85% of their apprenticeship term training on-the-job. It is the both the apprentice and the employer's or journeyperson's responsibility to supervise an apprentice's practical skills development during their program.

To promote transparency and consistency, this document aligns with the 2023 Plumber Red Seal Occupational Standard (Employment and Social Development Canada).

A complete version of the Occupational Standard can be found at www.red-seal.ca

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