





	Level 1	Page 2/2
Red Seal Tasks	On-The-Job Duties	Completed
Prepares pipe, tube & fittings for installation	Cut pipe & tubing using tools & specifications for accurate measurement & reaming	
	Choose pipe schedule & tools based on NFPA standards & project standards	
	Use cutting oil & cleaning techniques to thread pipe	
	Select method for grooving pipe & verify groove depth	
	Find centre of pipe & tube, drill & file hole & recover cut-out disc	
	Grind & shape pipe ends using beveling & chamfering techniques	
	Prepare & inspect fittings	
Installs pipe, tube & fittings	Install steel piping by verifying layout & spacing to meet NFPA standards & site requirements	
	Install plastic piping verifying layout & spacing based on NFPA standards & site requirements	
	Install copper piping using materials & layouts as per NFPA standards & site requirements	
	Select & mix paint & epoxy & paint over wrench marks & bare threads	
Installs piping components	Identify sprinklers & sprinklers temperature classification	
	Inspect & install sprinklers, apply thread lubricant & position components	
	Select sleeve material, diameter & length, attach to forms, cut holes for sleeves & select & apply fire stopping	
	Determine hanger & rod sizes & select supports & fastening components	
	Determine drain locations & select tools for installation	
Installs water-based systems	Use tools to install piping aligned with NFPA standards	
	Connect & test wet systems for water supply & integrity	
	Manage & test dry systems for antifreeze levels, venting & pressure	
	Install antifreeze systems with correct valves & complete system testing	

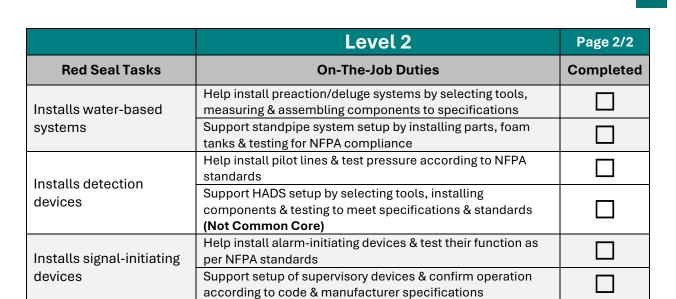




	Level 2	Page 1/2
Red Seal Tasks	On-The-Job Duties	Completed
Organizes Work	Use codes & standards to choose methods & perform calculations	
	Identify install needs & locate system components	
	Apply change orders to align work with updated requirements	
	Plan job steps by scheduling & coordinating with other trades	
	Organize work site by setting up & storing materials	
	Adjust system layout & hanger placement for accurate installation	
Commissions Systems	Help commission water systems by verifying test completion before final connections	
	Assist in testing fire systems to ensure compliance with NFPA standards	
Installs underground water supplies	Follow safe excavation practices with proper trench layout, utility checks & backfill selection ( <b>Not Common Core</b> )	
	Apply NFPA standards for fire water piping materials, assembly & protection ( <b>Not Common Core</b> )	
	Support flange, fitting & valve installation to ensure pressurization & water discharge	
Installs fire department connections	Confirm layout & sizing by checking drawings for compliance with AHJ & NFPA standards	
	Help install fire connections by choosing tools & verifying thread compatibility	
Installs piping components	Install seismic bracing using tools & specifications to stabilize piping per NFPA standards	
	Install & test cross-connection controls in line with municipal & AHJ regulations	
	Install system drainage piping by fabricating & aligning components to site requirements	

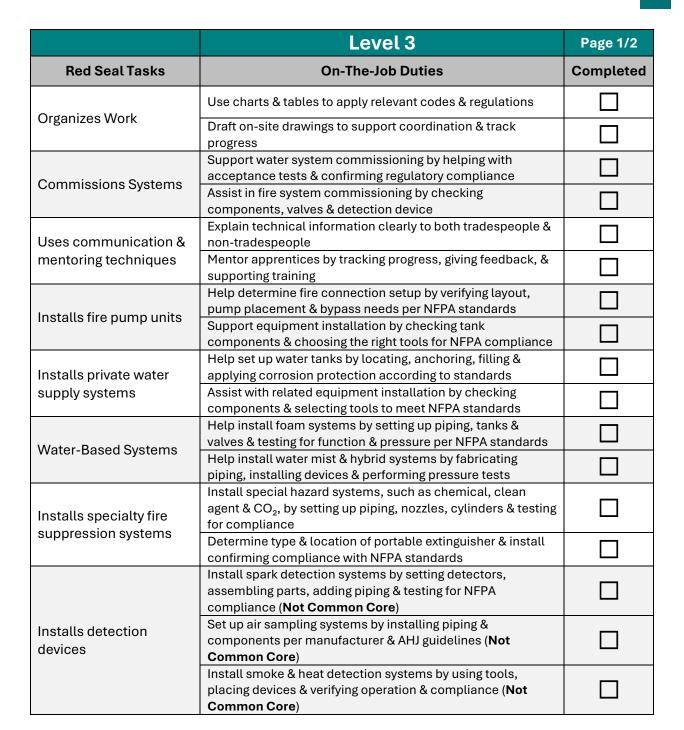








## Sprinkler Fitter On-the-Job Checklist









	Level 3	Page 2/2
Red Seal Tasks	On-The-Job Duties	Completed
Maintains & repairs fire protection systems	Troubleshoot fire protection systems by identifying issues, determining solutions & informing the owner as per NFPA standards	
	Disable & disarm system, repair or replace deficient components & verify repair	
	Perform routine maintenance by assisting with system shutdown, maintenance tasks & deficiency reporting as per NFPA standards	
Inspects & tests fire protection systems	Disable & disarm fire protection system, perform required tests & complete all documentation according to NFPA standards	
	Perform scheduled inspections using inspection documents & identify any abnormalities & deficiencies	
	Inspect portable fire extinguishers by verifying hoses & nozzles are intact, hydrostatic tests are up-to-date & gauge pressure & cylinder weight is within acceptable operating parameters	



# Sprinkler Fitter On-the-Job Checklist



#### 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 2017 Sprinkler Fitter 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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