

Rofer NOA (2006) Subtask to Unit Comparison

NOA Subtask		Manitoba Unit(s)
<b>Task 1 - Uses tools and equipment.</b>		
1.01	Uses hand tools.	C1Roofer Tools & Equipment: An Overview
1.02	Uses power tools.	C1Roofer Tools & Equipment: An Overview
1.03	Uses pneumatic tools.	C1Roofer Tools & Equipment: An Overview
1.04	Uses powder actuated tools.	C1Roofer Tools & Equipment: An Overview
1.05	Uses propane-fuelled equipment.	C1Roofer Tools & Equipment: An Overview
		C2 Hot-Process, Propane-Fuelled, & Motorized Equipment
1.06	Uses hot process equipment.	C1 Roofer Tools & Equipment: An Overview
		C2 Hot-Process, Propane-Fuelled, & Motorized Equipment
1.07	Uses hoisting, lifting and rigging equipment.	C1 Roofer Tools & Equipment: An Overview
		G3 Lifting, Rigging, & Hoisting
1.08	Uses motorized equipment.	C1Roofer Tools & Equipment: An Overview
1.09	Uses personal protective equipment (PPE) and safety equipment.	A2 Trade Safety Awareness (ATQ Board Standard)
<b>Task 2 - Organizes work.</b>		
2.01	Uses documentation.	B3 Using Roof Blueprints & Other Trade Documents
		B4 Estimating Materials for Roofing Projects
2.02	Communicates with others.	A1 Orientation I: Structure & Scope of Roofer Trade earning
		B3 Using Roof Blueprints & Other Trade Documents
		A3 Orientation II: The Job of Journeywork
2.03	Assesses worksite conditions.	B3 Using Roof Blueprints & Other Trade Documents
2.04	Estimates materials.	B3 Using Roof Blueprints & Other Trade Documents
		B4 Estimating Materials for Roofing Projects
2.05	Maintains safe work environment.	A2 Trade Safety Awareness (ATQ Board Standard)
<b>Task 3 – Prepares work-site.</b>		
3.01	Accesses work area.	B3 Using Roof Blueprints & Other Trade Documents
		G1 Roofer Jobsite Preparation and Inspection
3.02	Positions equipment and material on the ground.	G1 Roofer Jobsite Preparation and Inspection
		G3 Lifting, Rigging, & Hoisting
3.03	Positions equipment and material on the roof.	G1 Roofer Jobsite Preparation and Inspection
		G3 Lifting, Rigging, & Hoisting
3.04	Prepares material disposal systems.	G1 Roofer Jobsite Preparation and Inspection
		G3 Lifting, Rigging, & Hoisting
<b>Task 4 - Prepares roof for replacement.</b>		
4.01	Removes loose debris.	G1 Roofer Jobsite Preparation
4.02	Protects windows, walls, skylights and Mechanical equipment.	G1 Roofer Jobsite Preparation
4.03	Removes roofing and flashings.	G1 Roofer Jobsite Preparation
4.04	Prepares roof substrate.	G1 Roofer Jobsite Preparation
4.05	Adjusts heights of penetrations and parapets.	G1 Roofer Jobsite Preparation

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4.06	Installs water cut-offs, temporary seals and temporary drains.	G1 Roofer Jobsite Preparation
<b>Task 5 - Prepares roof for new installation.</b>		
5.01	Cleans deck.	G1 Roofer Jobsite Preparation
5.02	Inspects deck.	G1 Roofer Jobsite Preparation
5.03	Verifies placement of roof penetrations and parapets.	G1 Roofer Jobsite Preparation
5.04	Dries deck.	G1 Roofer Jobsite Preparation
<b>Task 6 - Applies built-up roofing components.</b>		
6.01	Installs gypsum board.	D2 Practicum Built-Roofing (BUR) Installation Techniques
6.02	Primes substrate.	D2 Practicum Built-Roofing (BUR) Installation Techniques
6.03	Applies vapour barrier and air barrier.	D2 Practicum Built-Roofing (BUR) Installation Techniques
6.04	Installs insulation.	D2 Practicum Built-Roofing (BUR) Installation Techniques
6.05	Installs protection board.	D2 Practicum Built-Roofing (BUR) Installation Techniques
6.06	Installs drains, vents and roof fixtures.	D2 Practicum Built-Roofing (BUR) Installation Techniques
6.07	Applies ballast and protective surface.	D2 Practicum Built-Roofing (BUR) Installation Techniques
6.08	Installs walkways.	D2 Practicum Built-Roofing (BUR) Installation Techniques
6.09	Installs metal flashings.	D2 Practicum Built-Roofing (BUR) Installation Techniques
6.10	Installs inverted roofing systems (Protected Membrane Roofs – PMR).	D2 Practicum Built-Roofing (BUR) Installation Techniques
<b>Task 7 – Applies membranes.</b>		
7.01	Relaxes membrane.	D3 Practicum: Membrane Installation Techniques
7.02	Sets membranes.	D3 Practicum: Membrane Installation Techniques
7.03	Applies membranes using hot process.	D3 Practicum: Membrane Installation Techniques
7.04	Applies membranes using torched-on method.	D3 Practicum: Membrane Installation Techniques
7.05	Applies membranes using hot-air welding.	D3 Practicum: Membrane Installation Techniques
7.06	Applies membranes using cold process.	D3 Practicum: Membrane Installation Techniques
7.07	Applies membranes using mechanical fasteners.	D3 Practicum: Membrane Installation Techniques
7.08	Applies looselaid membranes.	D3 Practicum: Membrane Installation Techniques
7.09	Installs membrane flashings.	D3 Practicum: Membrane Installation Techniques
7.10	Installs liquid applied roofing membrane.	D3 Practicum: Membrane Installation Techniques
<b>Task 8 - Applies shingles.</b>		
8.01	Installs flashings for shingled roofs.	E2 Practicum: Shingled Roof Work
8.02	Installs saddles/crickets.	E2 Practicum: Shingled Roof Work
8.03	Applies vapour barrier and air barrier.	E2 Practicum: Shingled Roof Work
8.04	Determines layout of shingles.	E2 Practicum: Shingled Roof Work
8.05	Fastens shingles.	E2 Practicum: Shingled Roof Work
8.06	Tabs shingles.	E2 Practicum: Shingled Roof Work
8.07	Installs vents for shingled roofs.	E2 Practicum: Shingled Roof Work
8.08	Cuts shingles.	E2 Practicum: Shingled Roof Work
<b>Task 9 - Applies roof tiles.</b>		
9.01	Installs underlayment for tiled roofs.	E3 Practicum: Tiled Roofwork
9.02	Installs vents for tiled roofs.	E3 Practicum: Tiled Roofwork
9.03	Installs flashings for tiled roofs.	E3 Practicum: Tiled Roofwork
9.04	Installs strapping.	E3 Practicum: Tiled Roofwork
9.05	Installs starter strips.	E3 Practicum: Tiled Roofwork

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9.06	Installs closure strip	E3 Practicum: Tiled Roofwork
9.07	Fastens roof tiles.	E3 Practicum: Tiled Roofwork
9.08	Cuts roof tiles.	E3 Practicum: Tiled Roofwork
9.09	Mortars ridge capping and valleys.	E3 Practicum: Tiled Roofwork
<b>Task 10 Applies preformed metal roofing.</b>		
10.01	Installs underlayment for pre-formed metal roofing.	E4 Practicum: Preformed Metal Roofwork
10.02	Installs strapping for preformed metal roofing.	E4 Practicum: Preformed Metal Roofwork
10.03	Installs closure strips for pre-formed metal roofing.	E4 Practicum: Preformed Metal Roofwork
10.04	Fastens preformed metal roofing.	E4 Practicum: Preformed Metal Roofwork
10.05	Applies flashings for preformed metal roofing.	E4 Practicum: Preformed Metal Roofwork
10.06	Cuts sheet metal.	E4 Practicum: Preformed Metal Roofwork
10.07	Installs ridge venting.	E4 Practicum: Preformed Metal Roofwork
10.08	Installs snow guards.	E4 Practicum: Preformed Metal Roofwork
<b>Task 11 Waterproofs surfaces.</b>		
11.01	Prepares surfaces.	F1 Waterproofing & Maintaining Roof Structures
11.02	Applies waterproofing membrane.	F1 Waterproofing & Maintaining Roof Structures
11.03	Applies protection board.	F1 Waterproofing & Maintaining Roof Structures
<b>Task 12-Damp-proofs surfaces.</b>		
12.01	Applies primer.	F1 Waterproofing & Maintaining Roof Structures
12.02	Applies coatings.	F1 Waterproofing & Maintaining Roof Structures
<b>Task 13 Assesses roof condition.</b>		
13.01	Inspects roof.	F1 Waterproofing & Maintaining Roof Structures F2 Analyzing & Troubleshooting Roof Failures
13.02	Performs cut test.	F2 Analyzing & Troubleshooting Roof Failures
13.03	Determines area that needs maintenance/repair.	F2 Analyzing & Troubleshooting Roof Failures
13.04	Determines maintenance/repair required.	F2 Analyzing & Troubleshooting Roof Failures
<b>Task 14 Maintains roof.</b>		
14.01	Maintains drains and scuppers.	F2 Analyzing & Troubleshooting Roof Failures F3 Practicum: Roof Maintenance & Repair Techniques
14.02	Refills pitch pockets.	F2 Analyzing & Troubleshooting Roof Failures F3 Practicum: Roof Maintenance & Repair Techniques
14.03	Replaces deteriorated caulking and sealant.	F2 Analyzing & Troubleshooting Roof Failures F3 Practicum: Roof Maintenance & Repair Techniques
14.04	Repairs membrane defects.	F2 Analyzing & Troubleshooting Roof Failures F3 Practicum: Roof Maintenance & Repair Techniques
14.05	Applies surfacing and ballast to bare areas.	F2 Analyzing & Troubleshooting Roof Failures F3 Practicum: Roof Maintenance & Repair Techniques
14.06	Re-secures loose metal flashings.	F2 Analyzing & Troubleshooting Roof Failures F3 Practicum: Roof Maintenance & Repair Techniques

**Manitoba** 

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