

OCCUPATIONAL  
TOOLS AND EQUIPMENT LIST

**Insulator (Heat and Frost)**



Government of Newfoundland Labrador  
Department of Education  
Institutional & Industrial Education Division

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## **Preface**

This document is intended as a companion to the September 2010 Plan of Training for the Insulator (Heat and Frost) occupation. It identifies the necessary tools and equipment required by apprentices and training institutions for the completion of apprenticeships.

## **Acknowledgements**

Advisory committees, industry representatives, instructors and apprenticeship staff provided valuable input to the development of this document. Without their dedication to quality apprenticeship training, this document could not have been produced.

We offer you a sincere thank you.

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## **Note:**

The numbers suggested in the following Tools and Equipment List represent the required minimum. Please verify this list with your selected training institution.

## Tools and Equipment List Insulator (Heat and Frost)

<b>SECTION A: TOOLS AND EQUIPMENT REQUIRED BY STUDENT</b>			
<b>Item</b>	<b>Units for Individual Students</b>	<b>Required for Entry (E) Advanced (A) Both (B)</b>	<b>Comments</b>
<b>Hand Tools</b>			
Knife (Long and Short)	<b>1 of each</b>	<b>B</b>	
Pliers – 8 inch End nipper	<b>1</b>	<b>B</b>	
Scratch Awl	<b>1</b>	<b>B</b>	
Scissors	<b>1</b>	<b>B</b>	
Screwdriver, #2 Robertson short and long	<b>1 of each</b>	<b>B</b>	
Shears, Aviation, M1 & M2	<b>1 of each</b>	<b>B</b>	
Tape Measure, 25'	<b>1</b>	<b>B</b>	
Trowels (pointer)	<b>1</b>	<b>A</b>	
Dividers (10" or 12")	<b>1</b>	<b>B</b>	
<b>Personal Protective Equipment</b>			
Safety Boots	<b>1 pair</b>	<b>B</b>	
Safety Glasses	<b>1 pair</b>	<b>B</b>	
Gloves	<b>1 pair</b>	<b>B</b>	

Note: If identifying sets, please include specific information.

<b>SECTION B: TOOLS AND EQUIPMENT REQUIRED BY TRAINING INSTITUTION</b>				
<b>Item</b>	<b>Units per 15 Students</b>	<b>Maximum Students per Unit</b>	<b>Required for Entry (E) Advanced (A) Both (B)</b>	<b>Comments</b>
<b>Hand Tools</b>				
Band Tightener	4	4	B	
Banding Tools	2	8	B	
Caliper	2	8	B	
Circumference Tape	2	8	B	
Calculators	2	8	B	
Caulking Gun	5	3	B	
Flare Staple Gun	2	8	B	
Hog Ringer	4	2	B	
Knife (Long & Short)	4 each	4	B	
Lacing Hook/Needle	1	15	B	
Miter Chart	6	3	B	
Pliers (8" End Nipper)	4	4	B	
Personal Protective Equipment (Hard Hat, Safety Glasses, Gloves)	4 of each	4	B	
Rivet Gun	8	2	B	
Safety Shield	3	3	B	
scratch awl	4	4	B	
Scale Ruler	8	1	B	
Scissors	4	4	B	
Scraping Tools	2 sets	8	B	
Screwdriver - #2 Robertson short and long	4 each	4	B	

<b>SECTION B: TOOLS AND EQUIPMENT REQUIRED BY TRAINING INSTITUTION</b>				
<b>Item</b>	<b>Units per 15 Students</b>	<b>Maximum Students per Unit</b>	<b>Required for Entry (E) Advanced (A) Both (B)</b>	<b>Comments</b>
Shears (Aviation Shears M1 & M2)	4 each	4	B	
Shears Offset M6	4	4	B	
Shovel, flat top	2	8	B	
Springs & Bands , 3/4"	6 3/4"		B	
Staple Gun ( T50)	8	2	B	
Tape Measure 25'	4 of each	4	B	
Tape Measure 50'	1			
Combination Square	8	2	B	
Thickness Gauge	4	2	B	
Tip Cleaner (spray equipment)	2	8	B	
Trowels ( Pointer)	4 of each	4	A	
Dividers (10 or 12 inch)	4	4	B	
Trammel points	2	8	B	
T-Square 4 ft.	2	8	B	
Water Hoses, 50' minimum	1	15	B	
Bull Snips (heavy & Light)	2 each	8	B	
<b>Power Tools</b>				
Electric Drill 3/8" (corded or cordless)	4	4	B	
Drills bits	As Required		B	
Electric Shears	1	15	B	
Grinders	2	4	B	
Pin Gun	1	15	B	
Jig Saw	1	15	B	

<b>SECTION B: TOOLS AND EQUIPMENT REQUIRED BY TRAINING INSTITUTION</b>				
<b>Item</b>	<b>Units per 15 Students</b>	<b>Maximum Students per Unit</b>	<b>Required for Entry (E) Advanced (A) Both (B)</b>	<b>Comments</b>
<b>Shop Equipment</b>				
Lock Former	1	15	B	
Roller	1	15	B	
HEPA Vacuum	1	15	B	
Metal Brake, 4 ft	1	15	B	
Mixers	1	15	B	
Negative Air Machine	1	15	B	
Pump Sprayer	2	8	B	
Sewing Machine	1	15	B	
Shower (portable)	1	15	B	
Beader/Crimper	1	15	B	

Note: If identifying sets, please include specific information.