



**AMFA-A1 PERFORMANE EXAM**  
**Master Tools, Equipment and Materials (TEM) List**

1. Qualified Assessors must inspect all tools, equipment and materials for defects prior to use and ensure defective or otherwise unsuitable items are replaced or defects corrected before conducting this performance exam.
2. All items must be readily available for candidates before starting an assignment.
3. Specified lengths for all metal components are required.

✓	QTY.	UNIT	ITEM DESCRIPTION	NOTES
<b>HAND TOOLS</b>				
	1	Each	Nail pouch with belt and hammer loop	Pouch with minimum two compartments; adjustable belt size; suspenders optional
	1	Each	Claw hammer	For general hand nailing tasks
	1	Each	Hand pop rivet tool	For attaching specified pop rivet fasteners
	1	Each	General duty pry bar	For fastener and other materials removal
	1	Each	25-foot retractable tape measure	For general measuring tasks
	1	Each	Locking C-clamp pliers, any size	For temporary securing of metal components
	1	Each	Locking long-nose pliers, any size	For temporary securing of metal components
	1	Each	Light duty right-hand tin snips	For cutting light-gauge metal flashing materials
	1	Each	Light duty left-hand tin snips	For cutting light-gauge metal flashing materials
	1	Each	Metal hand brake/crimper	Minimum 3-inch jaw, for field fabricating and crimping metal joints
	1	Each	Handheld metal hem folding tool	For field fabricating and folding metal
	1	Each	Graphite pencil	For field marking general measurements
<b>POWER TOOLS AND DEVICES</b>				
	1	Each	Portable drill, screw gun impact drive with suitable bits to match each type of required fastener	Cordless and adjustable torque setting preferred. For general drilling tasks or driving screw fasteners to attach metal materials. NOTE: Candidates may use more than one drill or screw gun to reduce bit changing between different tasks.



1	Each	1/8-of-an-inch diameter drill bit for drilling holes to match required pop rivet fasteners	Bit suitable for drilling through specified metal materials
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**SAFETY EQUIPMENT AND SUPPLIES**

1	Pair	Utility cut-resistant gloves	Kevlar® or other comparable material for general hand protection from cuts and scrapes
1	Pair	Z-87.1-rated safety glasses with side shields	Required by the product manufacturer’s published Safety Data Sheet
1	Each	Personal fall-arrest system including harness, lanyard, lifeline, rope grab and anchor device including the PFAS manufacturer’s instructions	All certification candidates are required to demonstrate proper inspecting, donning, adjusting, attaching and using a PFAS harness, lanyard and lifeline in conformance with the equipment manufacturer’s instructions; demonstrate using a rope grab device; and explain how the anchor device should be located and attached to a roof though they are not required to setup an anchor device. They must wear the harness during the exam.



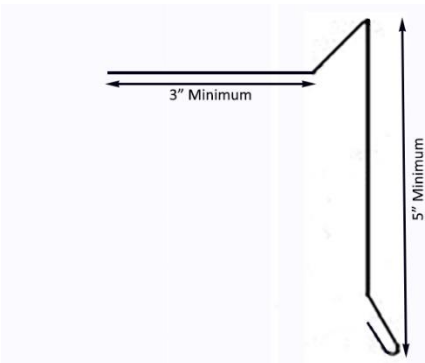
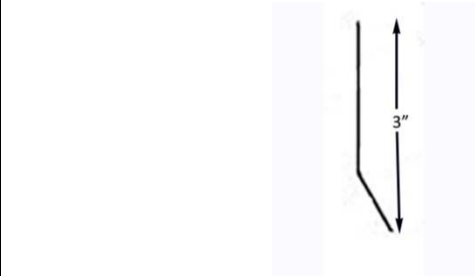

**NOTE: Additional in-house safety equipment is provided by testing locations. Examples of these items include fire extinguishers, first aid kits, eye wash facilities and proper ventilation. A complete safety checklist is found in the Qualified Assessors performance assignment instructions.**

**REMINDER: SPECIFIED LENGTHS FOR ALL METAL COMPONENTS ARE REQUIRED**

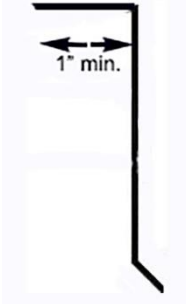
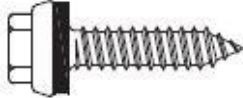


**ROOFING MATERIALS AND SUPPLIES**

2	5-foot lengths	Minimum 24-gauge galvanized Kynar® finish steel L-Type profile drip edge metal flashing	
2	5-foot lengths	Minimum 24-gauge galvanized Kynar® finish steel Style A gutter	



1	Each	4- x 3-inch gutter drop tube	
6	Each	5-inch L-style gutter brackets to match gutter lip profile	
3	5-foot lengths	A-type embedded edge metal flashing with drip, minimum 24-gauge Kynar® finish galvanized steel	
4	4-foot lengths	3-inch-wide fascia extender cleat to match A-type embedded edge metal, minimum 24-gauge galvanized steel	
1	Piece	6-inch-wide concealed backer plate	To match A-type embedded edge metal flashing profile
5	4-foot lengths	8 1/2-inch-wide coping with drip, minimum 24-gauge Kynar® finish galvanized steel, including matching L-type cleat	



	4	5-foot lengths	L-type cleat, minimum 24-gauge galvanized steel to match the coping face dimension	
	1	Piece	6-inch-wide cover plate	To match coping profile
	24	Each	#10 1 1/2-inch-long self-piercing corrosion-resistant screw fasteners with hex washer head for securing coping	
	25	Each	1/8-inch diameter x 3/8-inch-long corrosion-resistant steel pop rivets	
	36	Each	1 1/2-inch-long corrosion-resistant self-piercing pancake-head screw fasteners	ASTM A153 for attaching gutter and gutter brackets to fascia 
	1	Pound	1 1/4-inch corrosion-resistant roofing nails	ASTM F 1667 for nailing metal components to mockup