

Candidate: _____

Date: _____

ID#: _____

Skill Drill 13-1

Fire Fighter I, 4.3.11

Breaking Glass with a Hand Tool

Evaluator Instructions: The candidate shall be provided with full personal protective equipment (PPE), eye protection, a glass window, and a hand tool.

Task: Breaking a glass window with a hand tool.

Performance Outcome: The candidate shall demonstrate the ability to properly break a glass window.

Candidate Directive: "Safely break a glass window with the provided tool."

No.	Task Steps	First Test		Retest	
		P	F	P	F
1.	Wear full personal protective equipment (PPE), including eye protection and self-contained breathing apparatus (SCBA). Select a hand tool, and position yourself to the side of the window.				
2.	With your back facing the wall, swing backward forcefully with the tip of the tool striking the top one-third of the glass.				
3.	Clear the remaining glass from the opening with the hand tool.				

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Skill Drill 13-2

Fire Fighter I, 4.3.11

Breaking Windows with a Ladder

Evaluator Instructions: The candidate shall be provided with full personal protective equipment (PPE), eye protection, a glass window, and a ladder.

Task: Breaking a window with a ladder.

Performance Outcome: The candidate shall demonstrate the ability to properly break a high window using a ladder.

Candidate Directive: “Safely break a high window with a ladder.”

No.	Task Steps	First Test		Retest	
		P	F	P	F
1.	Wear full PPE, including eye protection. Select the proper size ladder for the job. Check for overhead lines. Use standard procedures for performing a ladder raise.				
2.	Raise the ladder next to the window. Extend the tip so that it is even with the top third of the window. If a roof ladder is used, extend the hooks towards the window.				
3.	Coordinate operations with the incident’s tactical objectives. Position the ladder in front of the window.				
4.	Forcibly drop the ladder into the window. Exercise caution—falling glass can cause serious injury.				
5.	Raise the ladder from the window, and move it to the next window to be ventilated. Either carry the ladder vertically or pivot the ladder on its feet.				

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Skill Drill 13-3
 Fire Fighter I, 4.3.11

Delivering Negative-Pressure Ventilation					
Evaluator Instructions: The candidate shall be provided with full personal protective equipment (PPE), rope, salvage covers, and smoke ejector or exhaust fan.					
Task: Negative-pressure ventilation.					
Performance Outcome: The candidate shall demonstrate the ability to properly ventilate using negative pressure.					
Candidate Directive: "Properly ventilate using negative pressure."					
No.	Task Steps	First Test		Retest	
		P	F	P	F
1.	Determine the area to be ventilated and the direction of the outside wind. Place the smoke ejector so that it is not on the upwind side of the building.				
2.	Hang the smoke ejector in the upper part of the ventilation opening.				
3.	Use a salvage cover to prevent recirculation if the structure's windows are not intact. Provide an opening on the upwind side of the structure to provide cross-ventilation.				
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Skill Drill 13-4
 Fire Fighter I, 4.3.12

Delivering Positive-Pressure Ventilation					
Evaluator Instructions: The candidate shall be provided with full personal protective equipment (PPE) and an exhaust fan.					
Task: Positive-pressure ventilation.					
Performance Outcome: The candidate shall demonstrate the ability to properly ventilate using positive pressure.					
Candidate Directive: "Properly ventilate using positive pressure."					
No.	Task Steps	First Test		Retest	
		P	F	P	F
1.	Place the fan in front of the opening to be used for the fire attack. The exact position depends on the size of the opening, the size of the fan, and the direction of the wind.				
2.	Provide an exhaust opening in the fire room. This opening can be made either before the fan is started or when the fan is started.				
3.	Start the fan.				
4.	Check the cone of air produced; it should completely cover the opening. This can be checked by running a hand around the door frame to feel the direction of air currents. Monitor the exhaust opening to ensure there is a unidirectional flow. Allow the smoke to clear.				
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Skill Drill 13-5
 Fire Fighter I, 4.3.12

Delivering Hydraulic Ventilation					
Evaluator Instructions: The candidate shall be provided with full personal protective equipment (PPE) and a hose line.					
Task: Performing hydraulic ventilation.					
Performance Outcome: The candidate shall demonstrate the ability to properly perform hydraulic ventilation.					
Candidate Directive: "Properly perform hydraulic ventilation."					
No.	Task Steps	First Test		Retest	
		P	F	P	F
1.	Enter the room, and remain close to the ventilation opening. Place the nozzle through the opening, and open the nozzle to a narrow fog or broken-pattern spray.				
2.	Keep directing the stream outside and back into the room until the stream almost fills the opening. The nozzle should be 2 to 4 ft (0.6 to 1.2 m) inside the opening.				
3.	Stay low, out of the heat and smoke, or to one side to keep from partially obstructing the opening.				
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Skill Drill 13-6
 Fire Fighter I, 4.3.12

Operating a Power Saw					
Evaluator Instructions: The candidate shall be provided with full personal protective equipment (PPE); eye protection; a ground, roof, or aerial ladder; and a power saw.					
Task: Operating a power saw.					
Performance Outcome: The candidate shall demonstrate the ability to properly operate a power saw.					
Candidate Directive: "Properly operate a power saw."					
No.	Task Steps	First Test		Retest	
		P	F	P	F
1.	Confirm that the cutting device or blade is appropriate for the material anticipated. Briefly inspect the blade or chain for obvious damage. Ensure that proper protective gear is in place.				
2.	Before going to the roof, start the saw to ensure that it runs properly. Set the choke to the halfway position or as recommended by the manufacturer.				
3.	Stay clear of any moving parts of the saw, use a foot or knee to anchor the saw to the ground, and pull the starter cord as recommended to start the saw.				
4.	Run the saw briefly at full throttle to verify its proper operation.				
5.	Shut down the saw, wait for the blade or chain to stop completely, and then carry the saw to the roof.				
6.	Whenever possible, work off a roof ladder or aerial device for added safety.				
7.	Start the saw in an area slightly away from where you intend to cut.				
8.	Always run the saw at maximum throttle when cutting. The saw should be running at full speed before the blade or chain touches the roof decking. Keep the throttle fully open while cutting and removing the blade or chain from the cut to reduce the tendency for the blade or chain to bind.				
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Skill Drill 13-7
 Fire Fighter I, 4.3.12

Making a Rectangular or Square Cut

Evaluator Instructions: The candidate shall be provided with full personal protective equipment (PPE), eye protection, a pike pole, ladders, and a power saw.

Task: Rectangular cut.

Performance Outcome: The candidate shall demonstrate the ability to properly make a rectangular cut.

Candidate Directive: "Properly make a rectangular cut."

No.	Task Steps	First Test		Retest	
		P	F	P	F
1.	Locate the roof supports by sounding. Make the first cut parallel to the roof support. The support should be outside the area that will be opened.				
2.	Make a triangular cut at the first corner of the opening. Then make two cuts perpendicular to the roof supports.				
3.	Make the final cut parallel to and slightly inside another roof support. Be sure to stand on the solid portion of the roof when making this cut.				
4.	Use a hand tool to pull out or push in the triangle cut to create a small starter hole. If possible, pull the entire roof section free, and flip it over onto the solid roof. It might be necessary to pull the decking out one board at a time.				
5.	Use a pike pole to punch out the ceiling below. The hole should be the same size as the opening in the roof decking. Be wary of a sudden updraft of hot gases or flames.				
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Evaluator Comments: _____

Candidate Comments: _____

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Skill Drill 13-8

Fire Fighter I, 4.3.12

Making a Seven, Nine, Eight (7, 9, 8) Rectangular Cut

Evaluator Instructions: The candidate shall be provided with full personal protective equipment (PPE), eye protection, a pike pole, ladders, and a power saw.

Task: Rectangular cut.

Performance Outcome: The candidate shall demonstrate the ability to properly make a rectangular cut.

Candidate Directive: "Properly make a rectangular cut."

No.	Task Steps	First Test		Retest	
		P	F	P	F
1.	Locate the roof supports by sounding. Make the first cut parallel to the roof supports. The cut should be 3.5 to 4 ft (1 to 1.2 m) long.				
2.	Make the second cut at a 45-degree angle to the first cut. The length of this knock-out cut should be 1 to 2 ft (0.3 to 0.6 m) in length.				
3.	Make the third cut perpendicular to the first cut from the corner where the knock-out cut was made. This cut should be about 8 ft (2.4 m) long. The three cuts should produce the shape of the number "7".				
4.	Make the fourth cut perpendicular to the first cut on the opposite side of the knock-out cut (the second cut). The cut should be about 4 ft (1.2 m) long.				
5.	Make the fifth cut parallel to the first cut. Starting on the third-cut side of the hole, make a cut that connects with the fourth-cut side of the hole. These five cuts should produce the shape of the number "9."				
6.	Make the sixth cut perpendicular to the first cut. Extend the fourth cut approximately 4 ft (1.2 m) until it is even with the third cut.				
7.	Make the seventh cut parallel to the first cut and the fifth cut. Start on the side of the sixth cut, and cut towards the side of the third cut, until the cuts are connected. These seven cuts should produce the shape of the number "8."				
Retest Approved By: _____		Retest Evaluator: _____			

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Candidate Comments: _____

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Skill Drill 13-9

Fire Fighter I, 4.3.12

Making a Louver Cut					
Evaluator Instructions: The candidate shall be provided with full personal protective equipment (PPE), eye protection, ladders, and a power saw.					
Task: Louver cut.					
Performance Outcome: The candidate shall demonstrate the ability to properly make a louver cut.					
Candidate Directive: "Properly make a louver cut."					
No.	Task Steps	First Test		Retest	
		P	F	P	F
1.	Locate the roof supports by sounding.				
2.	Make two parallel cuts perpendicular to the roof supports.				
3.	Cut parallel to the supports and between pairs of supports in a rectangular pattern.				
4.	Tilt the panel to a vertical position. Open the interior ceiling area below the opening by using the butt end of a pike pole. This hole should be the same size as the opening made in the roof decking.				
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Evaluator Comments: _____

Candidate Comments: _____

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Skill Drill 13-10
 Fire Fighter I, 4.3.12

Making a Triangular Cut

Evaluator Instructions: The candidate shall be provided with full personal protective equipment (PPE), eye protection, ladders, and a power saw.

Task: Triangle cut.

Performance Outcome: The candidate shall demonstrate the ability to properly make a triangle cut.

Candidate Directive: "Properly make a triangle cut."

No.	Task Steps	First Test		Retest	
		P	F	P	F
1.	Locate the roof supports.				
2.	Make the first cut from just inside a support member in a diagonal direction towards the next support member.				
3.	Begin the second cut at the same location as the first, and make it in the opposite diagonal direction, forming a V shape.				
4.	Make the final cut along the support member to connect the first two cuts. Cutting from this location allows fire fighters the full support of the member directly below them while performing ventilation.				
Retest Approved By: _____			Retest Evaluator: _____		

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Skill Drill 13-11
 Fire Fighter I, 4.3.12

Making a Peak Cut					
Evaluator Instructions: The candidate shall be provided with full personal protective equipment (PPE), eye protection, pike pole, axe, ladders, and a power saw.					
Task: Peak cut.					
Performance Outcome: The candidate shall demonstrate the ability to properly make a peak cut.					
Candidate Directive: "Properly make a peak cut."					
No.	Task Steps	First Test		Retest	
		P	F	P	F
1.	Locate the roof supports.				
2.	Clear the roofing materials away from the roof peak.				
3.	Make the first cut vertically, at the farthest point away. Start at the roof peak in the area between the support members, and cut down to the bottom of the first plywood panel.				
4.	Make parallel downward cuts between supports, moving horizontally along the roofline to make additional ventilation openings.				
5.	Strike the nearest side of the roofing material with an axe or maul, pushing it in, using the support located at the centre as a fulcrum. This causes one end of the roofing material to go downward into the opening and the other to rise up. If necessary, repeat this process on both sides of the peak, horizontally across the peak, or vertically towards the roof edge.				
6.	Open the interior ceiling area below the opening by using the butt end of a pike pole. This hole should be the same size as the vent opening made in the roof decking.				
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Skill Drill 13-12

Fire Fighter I, 4.3.12

Making a Trench Cut					
Evaluator Instructions: The candidate shall be provided with full personal protective equipment (PPE), eye protection, pike pole, ladders, and a power saw.					
Task: Trench cut.					
Performance Outcome: The candidate shall demonstrate the ability to properly make a trench cut.					
Candidate Directive: "Properly make a trench cut."					
No.	Task Steps	First Test		Retest	
		P	F	P	F
1.	After a primary cut has been made over the seat of the fire, cut a number of small inspection holes to identify a point sufficiently far ahead of the fire travel.				
2.	Make two parallel cuts, 2 to 4 ft (0.6 to 1.2 m) apart, across the entire roof, starting at the ridge pole (for pitched roofs) or a load-bearing wall (for flat roofs).				
3.	Cut between the two long cuts to make a row of rectangular sections.				
4.	Remove the rectangular panels to open the trench.				
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Skill Drill 13-13
 Fire Fighter I, 4.5.1

Performing a Readiness Check on a Power Saw					
Evaluator Instructions: The candidate shall be provided with the following: PPE, including eye and hearing protection, manufacturer/departmental recommendations, fuel, bar and chain oil, tools, lube, and power saw.					
Task: Performing a readiness check on a power saw.					
Performance Outcome: The candidate shall be able to inspect a power saw for readiness.					
Candidate Directive: "Inspect a power saw for readiness."					
No.	Task Steps	First Test		Retest	
		P	F	P	F
1.	Make certain that the fuel tank is full. Make certain that the bar and chain oil reservoirs are full.				
2.	Check the throttle trigger for smooth operation.				
3.	Ensure that the saw, blade, air filter, and chain brake are clean and working. Inspect the blade for even wear, and lubricate the sprocket tip if needed.				
4.	Check the chain for wear, missing teeth, or other damage. Check the chain end for proper tension. Check the chain catcher.				
5.	Check for loose nuts and screws, and tighten them if needed. Check the starter and starter cord for wear.				
6.	Inspect the spark plugs.				
7.	Start the saw. Make certain that both the bar and the chain are being lubricated while the saw is running. Check the chain brake.				
8.	Make certain that the stop switch functions. Record the results of the inspection.				
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Skill Drill 13-14
 Fire Fighter I, 4.5.1

Maintaining a Power Saw

Evaluator Instructions: The candidate shall be provided with the following: PPE, including eye and hearing protection, manufacturer/departmental recommendations, fuel, bar and chain oil, tools, lube, and power saw.

Task: Performing maintenance on a power saw.

Performance Outcome: The candidate shall be able to maintain a power saw after use.

Candidate Directive: "Maintain a power saw."

No.	Task Steps	First Test		Retest	
		P	F	P	F
1.	Remove, clean, and inspect the clutch cover, bar, and chain for damage and wear. Replace if necessary.				
2.	Inspect the air filter and clean/replace as needed.				
3.	Lubricate components as recommended by the manufacturer. Reinstall the bar and chain, flipping the bar over each time to help wear the bar evenly. Replace the clutch cover.				
4.	Adjust the chain tension (make sure the bar and chain cool before adjusting).				
5.	Fill the power saw with fuel. Fill the bar and chain oil reservoirs.				

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