Vertical Ventilation
Residential Louver Cut
One Chainsaw

Date:_____ Company:_____ FC:_____ FE:_____ FF:_____

This grading sheet is used to evaluate companies in the safe and correct procedure for performing vertical ventilation on a residential dwelling. The procedures identified must be completed in the order that they appear. As the company completes each step circle the step points in the pass box. If the company fails to complete the entire step, deduct the step points in the fail box. Five points are deducted for each task error or safety error made. Safety errors are noted in the comment section. This operation is worth a total of 100 points.

OPERATION

		PASS	FAIL	SAFETY ERROR
1.	**Establish two means of egress.**	10		5
2.	**Firefighter obtains chainsaw and rubbish hook.** Starts saw, applies chain brake, and brings to designated climbing ladder.	10		5
3.	**Captain ascends the ladder with the rubbish hook.** Upon reaching the roof, sounds for roof integrity.	5		5
4.	**Firefighter ascends the ladder with the chain saw.** Climbs ladder with saw running and chain brake applied.	5		5
5.	**With Captain sounding the roof, crew walks on a safe structural member to the appropriate cutting area.**	10		5
6.	**Captain marks cutting area.** Coordinates with interior.	10		5

TOTAL POINTS THIS PAGE: (50) ____

7.	**Crew begins a louver cut.** Using proper sequence of cuts.	**5**		**5**
8.	**First cut. Head cut** which is perpendicular to the rafters.	**10**		**5**
9.	**Second cut. Parallel cut closest to the fire.** This cut will be parallel to the rafter.	**10**		**5**
10.	**Third cut. Parallel cut.** Towards point of egress.	**10**		**5**
11.	**Fourth cut. Bottom cut.** This will be perpendicular to the rafters.	**10**		**5**
12.	**Captain louvers the roof.** And ceiling area if applicable. Crew exits roof safely	**5**		**5**

TOTAL POINTS THIS PAGE: (50)

TOTAL POINTS FROM FIRST PAGE: (50)

TOTAL SAFETY ERRORS:

DEDUCT 5 POINTS FOR EACH SAFETY ERROR, 3 OR MORE SAFETY ERRORS ARE GROUNDS FOR AUTOMATIC FAILURE.

TOTAL POINTS: **(PASSING SCORE 80%)**

Evaluator Comments:

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Evaluated by: _____ Rank: _____ Date: _____

Vertical Ventilation
Commercial Louver Cut

Date:_____ Company:_____ FC:_____ FE:_____ FF:_____

This grading sheet is used to evaluate companies in the safe and correct procedure for performing vertical ventilation on a commercial building. The procedures identified must be completed in the order that they appear. As the company completes each step circle the step points in the pass box. If the company fails to complete the entire step, deduct the step points in the fail box. 5 points are deducted for each task error or safety error made. Safety errors are noted in the comment section. This operation is worth a total of 100 points.

OPERATION		PASS	FAIL	SAFETY ERROR
1.	**Establishes two means of egress**	**5**		**5**
2.	**Engineer obtains chainsaw, rubbish hook, and pike pole.** Starts saw, applies chain brake, and brings to designated climbing ladder.	**5**		**5**
3.	**Captain ascends the ladder with the rubbish hook.** Upon reaching the roof, sounds for roof integrity.	**5**		**5**
4.	**Engineer ascends the ladder with the chain saw.** Climbs ladder with saw running and chain brake applied.	**5**		**5**
5.	**Firefighter ascends the ladder with pike pole.**	**5**		**5**
6.	**With Captain sounding the roof, crew walks on a laminated beam to the cutting area.**	**5**		**5**
7.	**Engineer arrives on the roof.** Completes inspection hole.	**5**		**5**
8.	**Engineer completes plunge cuts.** Every 10 feet.	**5**		**5**

TOTAL POINTS THIS PAGE: (40) ____

9.	**Crew begins a louver cut.** Using proper sequence of cuts.	**10**		**5**
10.	**First cut. Head cut.** Standing from the laminated beam, the saw person will reach out and cut perpendicular to the rafters and parallel the top purlin.	**10**		**5**
11.	**Second cut. Parallel cut closest to the fire.** This cut will be parallel to the rafter.	**10**		**5**
12.	**Third cut.** Cutting along the laminated beam down toward the second purlin.	**10**		**5**
13.	**Fourth cut.** Perpendicular to the rafters along the bottom purlin.	**10**		**5**
14.	**Captain louvers the panel.** Removes ceiling below if necessary.	**10**		**5**

TOTAL POINTS THIS PAGE: (60)

TOTAL POINTS FROM FIRST PAGE:

TOTAL SAFETY ERRORS:

DEDUCT 5 POINTS FOR EACH SAFETY ERROR, 3 OR MORE SAFETY ERRORS ARE GROUNDS FOR AUTOMATIC FAILURE.

TOTAL POINTS: **(PASSING SCORE 80%)**

Evaluator Comments:

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Evaluated by: _____ Rank: _____ Date: _____

Vertical Ventilation
Commercial Drop Cut
One Chainsaw

Date:_____ Company:_____ FC:_____ FE:_____ FF:_____

This grading sheet is used to evaluate companies in the safe and correct procedure for performing vertical ventilation on a commercial building. The procedures identified must be completed in the order that they appear. As the company completes each step circle the step points in the pass box. If the company fails to complete the entire step, deduct the step points in the fail box. 5 points are to be deducted for each task error or safety error made. Safety errors are noted in the comment section. This operation is worth a total of 100 points.

	OPERATION	PASS	FAIL	SAFETY ERROR
1.	**Establishes two means of egress.**	10		5
2.	**Engineer obtains chainsaw, rubbish hook, and pike pole.** Starts saw, applies chain brake, and brings to designated climbing ladder.	5		5
3.	**Captain ascends the ladder with the rubbish hook.** Upon reaching the roof, sounds for roof integrity.	5		5
4.	**Engineer ascends the ladder with the chain saw.** Climbs ladder with saw running and chain brake applied.	5		5
5.	**Firefighter ascends ladder with pike pole.**	5		5
6.	**With Captain sounding the roof, crew walks on a safe structural member to the cutting area.**	5		5
7.	**Engineer climbs to the roof.** Completes inspection hole.	10		5

TOTAL POINTS THIS PAGE: (45)

8.	**Engineer plunge cuts every 10 feet.**	**5**		**5**
9.	**Captain marks cutting area.** Contacts interior to coordinate opening of the hole.	**10**		**5**
10.	**Crew begins a drop cut.** Using proper sequence of cuts.	**5**		**5**
11.	**First cut. Head cut.** Parallel to the rafters. This will be a half cut back to the purlin. Always starting the cut closest to the fire.	**10**		**5**
12.	**Second cut. Parallel cut closest to the fire.** This cut will be parallel to the purlin.	**10**		**5**
13.	**Third cut.** Connect to first half cut back to the purlin furthest from the fire. Closest to the point / ladder of egress.	**10**		**5**
14.	**Crew exits the roof in proper order.**	**5**		**5**

TOTAL POINTS THIS PAGE: (55)

TOTAL POINTS FROM FIRST PAGE: (45)

TOTAL SAFETY ERRORS:

DEDUCT 5 POINTS FOR EACH SAFETY ERROR, 3 OR MORE SAFETY ERRORS ARE GROUNDS FOR AUTOMATIC FAILURE.

TOTAL POINTS: **(PASSING SCORE 80%)**

Evaluator Comments:

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Evaluated by: _____ Rank: _____ Date: _____

Vertical Ventilation
Commercial / drop cut
Two Chainsaws

Date:_____ Company:_____ FC:_____ FE:_____ FF:_____

This grading sheet is used to evaluate companies in the safe and correct procedure for performing vertical ventilation on a commercial building. The procedures identified must be completed in the order that they appear. As the company completes each step circle the step points in the pass box. If the company fails to complete the entire step, deduct the step points in the fail box. 5 points are to be deducted for each task error or safety error made. Safety errors are noted in the comment section. This operation is worth a total of 100 points.

OPERATION		PASS	FAIL	SAFETY ERROR
1.	**Establish two means of egress**	10		5
2.	**Engineer obtains chainsaw, rubbish hook, and appropriate pike pole.** Starts saw, applies chain brake, and brings to designated climbing ladder.	10		5
3.	**Captain ascends the ladder with the rubbish hook.** Upon reaching the roof, sounds for roof integrity.	5		5
4.	**Engineer ascends the ladder with the chain saw.** Climbs ladder with saw running and chain brake applied.	5		
5.	**Firefighter ascends the ladder with pike pole and chainsaw.**	10		5
6.	**With Captain sounding the roof, crew walks on a safe structural member to the cutting area.**	10		5

TOTAL POINTS THIS PAGE: (50)

7.	**Engineer climbs to the roof.** Completes inspection hole.	**5**		**5**
8.	**Engineer plunge cuts every 10 feet.**	**10**		**5**
9.	**Captain marks cutting area.** Contacts interior to coordinate opening of the hole.	**5**		**5**
10.	**Crew begins a drop cut.** Using proper sequence of cuts. Walking out on a purlin from a laminated beam.	**10**		**5**
11.	**First cut. Engineer by himself. Closest to fire side. Half a head cut back to purlin. Then makes cut parallel to purlin back to the laminated beam.** Exits safely back to ladder.	**10**		**5**
12.	**Second cut. Firefighter and Captain. Half a head cut back to purlin. Then makes cut parallel to purlin back to the laminated beam.** Exits safely back to ladder.	**10**		**5**

TOTAL POINTS THIS PAGE: (50)

TOTAL POINTS FROM FIRST PAGE: (50)

TOTAL SAFETY ERRORS:

DEDUCT 5 POINTS FOR EACH SAFETY ERROR, 3 OR MORE SAFETY ERRORS ARE GROUNDS FOR AUTOMATIC FAILURE.

TOTAL POINTS: **(PASSING SCORE 80%)**

Evaluator Comments:

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Evaluated by: _____ Rank: _____ Date: _____