

NHFA FIREFIGHTER I COURSE GUIDE

UNIT 13: LADDERS (16 HR)

CHAP	SKILL DRILL	SKILL #	STAND. EVOL. #
13	Metal Ladder Maintenance	13-1	
13	Selecting the Proper Ladder	13-2	
13	Removal of Ladders Located on a Lift or side of an Apparatus	13-3	
13	Raising and Positioning a Ladder	13-8	
13	Proper Climbing Angle	13-9	
13	Rolling a Ladder	13-13	
13	Climbing a Portable Ladder	13-14	
13	Climbing a Portable Ladder with a Tool	13-15	
13	Leg Lock Maneuver	13-22	
13	Hyperextended Leg-Lock (Hell) Maneuver	13-24	
13	Portable Ladder Rescue of a Conscious Victim	13-26	
13	Portable Ladder Rescue of an Unconscious Victim	13-28	
13	Portable Ladder Placement and Entry: Roof Level	13-29	
13	Portable Ladder Placement and Entry: Windows	13-30	
13	Single Firefighter Shoulder Carry	13-32	
13	Single Firefighter Suitcase Carry	13-33	
13	Single Firefighter Drag Using Swick Method	13-34	
13	Single-Firefighter Flat Raise	13-36	
13	Two-Firefighter Shoulder Carry	13-38	
13	Two-Firefighter Suitcase Carry	13-39	
13	Two-Firefighter Beam Raise	13-40	
13	Two-Firefighter Flat Raise	13-41	
13	Three-Firefighter Shoulder Carry	13-43	
13	Three-Firefighter Suitcase Carry	13-44	
13	Three-Firefighter Flat-Arm Carry	13-45	
13	Three-Firefighter Beam Raise	13-48	
13	Three-Firefighter Flat Raise	13-49	
13	Four-Firefighter Flat-Arm Carry	13-50	
13	Single-Firefighter Roof Ladder Placement	13-52	
13	Two-Firefighter Roof Ladder Placement	13-53	
13	Venting a Window with a Ladder	13-54	



**NH FIRE ACADEMY FIREFIGHTER I
UNIT 13 BLOCK 1 (4HR)**

CLASS NAME: LADDERS

NUMBER OF INSTRUCTORS: 6

EQUIPMENT NEEDED	<ul style="list-style-type: none"> • Ladders: (2) 24', (2) 35', (2) 16-18' • Hydration supplies
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FACILITY NEEDED	A building specifically designed for training in the use and placement of portable ladders including a designated roof access point for placement of roof ladders and firefighter roof access procedures.
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SKILL DRILL REFERENCE	13-1	13-3	13-8	13-9	13-13	13-14	13-15	13-22
		13-24	13-32	13-33	13-34	13-36	13-38	13-39
	13-40	13-41						

GENERAL INSTRUCTION	<p>Divide the students into groups of 4 and assign an instructor to each group.</p> <p>Students shall wear full PPE including SCBA (not using air) during the evolution</p> <p>Instructors shall wear helmet, gloves, and safety footwear</p> <p>The Halyard does not have to be fastened to the ladder with a clove hitch, but it must be positioned so it is not a tripping hazard.</p> <p>Any time students are required to enter or exit an opening such as a window from or to a ladder, an Instructor shall be positioned on the interior of the entry site and a second Instructor shall be positioned near the base of the ladder.</p>
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NH FIRE ACADEMY FIREFIGHTER I
UNIT 13 BLOCK 1 (4 HR)

EVOLUTION	DESCRIPTION
Clean, Inspect, and maintain	Working together the students and the instructor shall demonstrate how to inspect, clean, and maintain a variety ladders. Skill Drill 13-1
Single FF Carry and Raises	The instructor shall demonstrate how perform three different single firefighter carries/drag (shoulder, suitcase, and Swick drag) and how to perform a single firefighter flat raise (raising and positioning, climbing angle and rolling a ladder). The students shall demonstrate how to perform three different single firefighter carries/drag (shoulder, suitcase, and Swick drag) and how to perform a single firefighter flat raise (raising and positioning, climbing angle and rolling a ladder). Skill Drill 13-8, 13-9, 13-13, 13-32, 13-33, 13-34, and 13-36
Two FF Carry and Raises	The instructor shall demonstrate the proper removal of a ladder from an apparatus, perform two different two firefighter carries (shoulder and suitcase) and how to perform a two firefighter beam and flat raise (raising and positioning, climbing angle and rolling a ladder). The students shall demonstrate the proper removal of a ladder from an apparatus, perform two different two firefighter carries (shoulder and suitcase) and how to perform a two firefighter beam and flat raise (raising and positioning, climbing angle and rolling a ladder). Skill Drill 13-3, 13-8, 13-9, 13-13, 13-38, 13-39, 13-40, and 13-41
Climb, leg locks, and tool carry	Instructor will demonstrate the appropriate way to climb a ladder, perform two different leg locks, and climb a ladder carrying various tools. The students shall demonstrate the appropriate way to climb a ladder, perform three different leg locks, and climb a ladder carrying various tools. Skill Drill 13-14, 13-15, 13-22, and 13-24



**NH FIRE ACADEMY FIREFIGHTER I
UNIT 13 BLOCK 2 (4 HR)**

CLASS NAME: LADDERS

NUMBER OF INSTRUCTORS: 6

EQUIPMENT NEEDED	<ul style="list-style-type: none"> • Ladders: (2) 24', (2) 35', (2) 16-18' • Hydration supplies
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FACILITY NEEDED	A building specifically designed for training in the use and placement of portable ladders including a designated roof access point for placement of roof ladders and firefighter roof access procedures.
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SKILL DRILL REFERENCE	13-2	13-3	13-8	13-9	13-13	13-30	13-43	13-44	13-45
	13-48	13-49	13-50	13-54	13-55				

GENERAL INSTRUCTION	<p>Divide the students into groups of 4 and assign an instructor to each group.</p> <p>Students shall wear full PPE including SCBA (not using air) during the evolution</p> <p>Instructors shall wear helmet, gloves, and safety footwear</p> <p>The Halyard does not have to be fastened to the ladder with a clove hitch, but it must be positioned so it is not a tripping hazard.</p> <p>Any time students are required to enter or exit an opening such as a window from or to a ladder, an Instructor shall be positioned on the interior of the entry site and a second Instructor shall be positioned near the base of the ladder.</p>
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**NH FIRE ACADEMY FIREFIGHTER I
UNIT 13 BLOCK 2 (4 HR)**

EVOLUTION	DESCRIPTION
Three FF Carry and raises	<p>The instructor with assistants from students, shall demonstrate how to perform three different three firefighter carries (shoulder, flat arm and suitcase) and how to perform a three firefighter beam and flat raise (raising and positioning, climbing angle and rolling a ladder).</p> <p>The students shall demonstrate how to perform three different three firefighter carries (shoulder, flat arm and suitcase) and how to perform a three firefighter beam and flat raise (raising and positioning, climbing angle and rolling a ladder). Skill Drill 13-8, 13-9,</p>
Four FF Carry and Raises	<p>The instructor with assistance from students, shall demonstrate how to perform a four firefighter flat arm carry and how to perform a four firefighter flat raise (raising and positioning, climbing angle and rolling a ladder).</p> <p>The students shall demonstrate how to perform a four firefighter flat arm carry and how to perform a four firefighter flat raise (raising and positioning, climbing angle and rolling a ladder). Skill Drill 13-8, 13-9, 13-13, 13-50 and 13-5?</p>
Raise for ventilation and Window Access	<p>The instructor shall demonstrate selecting the appropriate ladder, removing the ladder from the side of the apparatus, how to throw a ladder for the purpose of ventilating a window and shall demonstrate how to place a ladder for rescue operations (raising and positioning, climbing angle and rolling a ladder) and how to transition in and out a window.</p> <p>The students shall demonstrate selecting the appropriate ladder, removing the ladder from the side of the apparatus, how to throw a ladder for the purpose of ventilating a window and shall demonstrate how to place a ladder for rescue operations (raising and positioning, climbing angle and rolling a ladder) and how to transition in and out a window. Skill Drill 13-2, 13-3, 13-8, 13-9, 13-13, 13-30, and 13-54</p>



NH FIRE ACADEMY FIREFIGHTER I UNIT 13 BLOCK 3 (8 HR)

CLASS NAME: LADDERS

NUMBER OF INSTRUCTORS: 6

EQUIPMENT NEEDED	<ul style="list-style-type: none"> • Ladders: (2) 24', (2) 35', (2) 16-18' • Hydration supplies
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FACILITY NEEDED	A building specifically designed for training in the use and placement of portable ladders including a designated roof access point for placement of roof ladders and firefighter roof access procedures.
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SKILL DRILL REFERENCE	13-26	13-28	13-52	13-53					
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GENERAL INSTRUCTION	<p>Divide the students into groups of 4 and assign an instructor to each group.</p> <p>Students shall wear full PPE including SCBA (not using air) during the evolution. Students are to select the appropriate ladder, remove from apparatus, carry, and raise the ladder to the location of operations.</p> <p>Instructors shall wear helmet, gloves, and safety footwear</p> <p>The Halyard does not have to be fastened to the ladder with a clove hitch, but it must be positioned so it is not a tripping hazard.</p> <p>All ladders shall be footed when someone is climbing or on the ladder.</p> <p>Any time students are required to enter or exit an opening such as a window from or to a ladder, an Instructor shall be positioned on the interior of the entry site and a second Instructor shall be positioned near the base of the ladder.</p> <p>Note: A rescue dummy shall be used as the victim. If a student is used as the victim, the person shall be secured to an appropriate belay system prior to placement on the ladder.</p>
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**NH FIRE ACADEMY FIREFIGHTER I
UNIT 13 BLOCK 3 (8 HR)**

EVOLUTION	DESCRIPTION
<p>RESCUE A CONSCIOUS VICTIM</p>	<p>The instructor shall demonstrate how to rescue a conscious victim using a ladder. Instructor shall climb the ladder, perform the appropriate leg lock, communicate to the victim, and assist them down the ladder.</p> <p>The students shall demonstrate how to rescue a conscious victim using a ladder. The student shall climb the ladder, perform the appropriate leg lock, communicate to the victim, and assist them down the ladder. Skill Drill 13-26</p>
<p>RESCUE AN UNCONSCIOUS VICTIM</p>	<p>The instructor shall demonstrate how to rescue an unconscious victim using a ladder. Instructor shall climb the ladder, perform the appropriate leg lock, communicate with the rescue team, and lower the victim down the ladder.</p> <p>The students shall demonstrate how to rescue an unconscious victim using a ladder. The student shall climb the ladder, perform the appropriate leg lock, communicate with the rescue team, and lower the victim down the ladder. Skill Drill 13-28</p>
<p>SMALL CHILD LARGE ADULT</p> <p>INSTRUCTOR DEMO</p>	<p>Working with the students the Instructor shall demonstrate the techniques for performing rescues for a Small Child and Large Adults</p>
<p>DEPLOY A ROOF LADDER</p>	<p>The instructor shall demonstrate how to deploy an extension ladder 5 rungs above the soffit of the roof (single FF and two FF), deploy a roof ladder, sound the roof, transition from the extension ladder to the roof ladder and proceed to the roof peak and then descend back to the starting position.</p> <p>The student shall demonstrate how to deploy an extension ladder 5 rungs above the soffit of the roof (Single FF or Two FF), deploy a roof ladder, sound the roof, transition from the extension ladder to the roof ladder and proceed to the roof peak and then descend back to the starting position. Skill drill 13-52 or 13-53</p>

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet

SKILL SHEET 13-1		Metal Ladder Maintenance	
OBJECTIVE:		NFPA 1001, 4.5.1	FEH Chapter: 13
CANDIDATE NAME/NUMBER:			No.:
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]		<ul style="list-style-type: none"> • Metal Ladder • Water and Mild Detergent • Bristle Brush 	
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS:		Student will perform maintenance on a metal ladder.	
<i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>			
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	
Critical?		Pass	Fail
	Student cleans the ladder		
	After cleaning, student lubricate the ladder locks or dogs, slide rails, roof hook's spring assemblies, and pulleys with lubricants approved by the ladder manufacturer.		
	Student checks the halyard. If the halyard is frayed or kinked or has cut fibers, or if the wire cable is worn, stretched, or kinked, replacement is necessary. Student checks for sharp edges and files them down if necessary.		
	Student checks roof hooks. If the ends of the roof hooks become dull, they can be filed to a sharp point and covered with a small amount of paint.		
	Student checks heat sensors and replaces any heat sensor sticker that is falling off, or if it has reached its termination point. If the sensor shows that the ladder has been exposed to high heat, place the ladder out of service for testing.		
	Student inspects the ladder brackets that secure the ladder to the apparatus.		
EVALUATOR COMMENTS:			
[ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			

EVALUATOR SIGNATURE:	
STUDENT SIGNATURE:	

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet

SKILL SHEET 13-2	Selecting the Proper Ladder		
OBJECTIVE:	NFPA 1001, 4.3.6	FEH Chapter: 13	
CANDIDATE NAME/NUMBER:		No.:	
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]	<ul style="list-style-type: none"> • Metal Ladder • PPE 		
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS:	Student will be given a scenario and must select the proper ladder for the job.		
	<i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>		
CRITERIA:	NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]		
Critical?		Pass	Fail
	Given a scenario, the Student selects the correct ladder for the job.		
EVALUATOR COMMENTS:			
	[ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]		
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet

SKILL SHEET 13-3		Removal of Ladders Located on a Lift or side of an Apparatus	
OBJECTIVE:		NFPA 1001, 4.3.6	FEH Chapter: 13
CANDIDATE NAME/NUMBER:			No.:
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]		<ul style="list-style-type: none"> • Metal Ladder • Apparatus • PPE 	
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>		Student will demonstrate removing a ladder located on a lift or side of an Apparatus.	
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	
Critical?		Pass	Fail
	Student lowers the lift assembly and unlocks the ladder.		
	If no lift, the students should unlock the ladder		
	Student removes the ladder and then carries it to the desired location.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet

SKILL SHEET 13-8		Raising and Positioning a Ladder	
OBJECTIVE:		NFPA 1001, 4.3.6	FEH Chapter: 13
CANDIDATE NAME/NUMBER:			No.:
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]		<ul style="list-style-type: none"> • Metal Ladder • PPE 	
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>		Working as a member of a team, the students will demonstrate raising and positioning a ladder.	
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	
Critical?		Pass	Fail
	The firefighter at the butt position is in control. Check for overhead obstructions.		
	The firefighter should place their right or left boot up against the butt of the ladder to brace it as the ladder is raised.		
	Pull down the halyard in one smooth hand-over-hand motion while listening for the clicks of the dogs as they go over the rungs. Do not wrap your arms or hands around the halyard when performing this tactic. It can cause injury.		
	Once the ladder has been raised to its desired height, it should be lowered into the building with the firefighter between the ladder and the building supporting the ladder and the firefighter on the outside to support and lower the ladder into place. The outside firefighter should watch the tip to make sure it is properly placed.		

EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]	
EVALUATOR SIGNATURE:	
STUDENT SIGNATURE:	

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet

SKILL SHEET 13-9	Proper Climbing Angle		
OBJECTIVE:	NFPA 1001, 4.3.6	FEH Chapter: 13	
CANDIDATE NAME/NUMBER:		No.:	
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]	<ul style="list-style-type: none"> • Metal Ladder • PPE 		
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>	Student will demonstrate a proper climbing angle.		
CRITERIA:	NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]		
Critical?		Pass	Fail
	Student correctly checks the proper climbing angle.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			

STUDENT SIGNATURE:	
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FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet

SKILL SHEET 13-13	Rolling a Ladder		
OBJECTIVE:	NFPA 1001, 4.3.6	FEH Chapter: 13	
CANDIDATE NAME/NUMBER:		No.:	
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]	<ul style="list-style-type: none"> • Metal Ladder • PPE 		
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS:	Student will demonstrate rolling a portable ladder.		
	<i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>		
CRITERIA:	NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]		
Critical?		Pass	Fail
	Take a well-balanced position in front of the ladder, with your back leaning slightly into the ladder and your feet behind it.		
	Perform a push-pull motion with your arms to roll the ladder to its desired location. When the ladder is being moved to the left, your right arm pulls the right beam forward, and the left arm pushes the left beam backward. The motion is opposite when moving the ladder to the right.		
	Keep your feet and legs away from the rotating ladder. In the event that you lose control, press both your hands into the building to regain control.		

EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]	
EVALUATOR SIGNATURE:	
STUDENT SIGNATURE:	

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet

SKILL SHEET 13-14	Climbing a Portable Ladder		
OBJECTIVE:	NFPA 1001, 4.3.6	FEH Chapter: 13	
CANDIDATE NAME/NUMBER:		No.:	
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]	<ul style="list-style-type: none"> • Metal Ladder • PPE 		
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>	Student will demonstrate climbing a portable ladder.		
CRITERIA:	NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]		
Critical?		Pass	Fail
	First check to make sure that all of the dogs have locked, and that the ladder is heeled properly.		
	Climb the portable ladder on the balls of your feet, with hands positioned on the underside of the beams. Maintain a fluid, deliberate motion while ascending. This method gives you three points of contact at all times.		

	Keep your eyes focused on the destination. Do not race up the ladder, but maintain a balanced, fluid climbing motion.		
	In rain, snow, or ice, place the arch of your boot near the heel next to the rung, to permit a better grip onto the ladder. The climbing motion should be slow, deliberate, and consistent with weather conditions.		
	If two or more firefighters are on a ladder, they should be evenly spaced. The rule of thumb is one firefighter on each section of the ladder. When climbing an aerial ladder, firefighters should space themselves at 10-ft intervals.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet

SKILL SHEET 13-15	Climbing a Portable Ladder with a Tool		
OBJECTIVE:	NFPA 1001, 4.3.12	FEH Chapter: 13	
CANDIDATE NAME/NUMBER:		No.:	
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]	<ul style="list-style-type: none"> • Metal Ladder • Axe or Halligan • PPE 		
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>	Working as a member of a team, the Candidate will demonstrate climbing a portable ladder with a tool.		
CRITERIA:	NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]		
Critical?		Pass	Fail
	Find a comfortable hand position to climb with a hand tool.		
	Find the balance point of the tool and carry it there by sliding it up the outside of		

	the ladder's beam. If the tool is thin enough, this allows you to grip the underside of the beam. At all times, your free hand must maintain a position under the opposite beam and slide up the beam.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet

SKILL SHEET 13-22	Leg Lock Maneuver		
OBJECTIVE:	NFPA 1001, 4.3.9 and 4.3.6	FEH Chapter: 13	
CANDIDATE NAME/NUMBER:		No.:	
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]	<ul style="list-style-type: none"> • Portable Ladder • PPE 		
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>	Working as a member of a team, the Candidate will demonstrate a standard leg lock.		
CRITERIA:	NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]		
Critical?			Pass
	When you reach the proper working height on the ladder, climb to the next highest rung.		

	Place the leg opposite the work side through the rung spacing. As your knee approaches the rung, you can begin to bend the leg back toward the next lower rung.		
	The foot can be locked onto the outside of the ladder's beam or onto the next lower rung.		
	Now step down a rung and place a boot nearest the work side, next to the beam of the ladder.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet

SKILL SHEET 13-24	Hyperextended Leg-Lock (Hell) Maneuver		
OBJECTIVE:	NFPA 1001, 4.3.9 and 4.3.6	FEH Chapter: 13	
CANDIDATE NAME/NUMBER:		No.:	
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]	<ul style="list-style-type: none"> • Portable Ladder • PPE 		
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>	Working as a member of a team, the student will demonstrate the HELL maneuver.		
CRITERIA:	NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]		
Critical?		Pass	Fail
	First reach the proper working height on the ladder, with both feet on the same rung.		

	Then raise one leg, similar to standing on the tip of the toe or flexing a calf muscle.		
	As the leg is extended upward, wedge your lower thigh or knee under the ladder's rung. Simultaneously, press outward with both legs and wedge yourself between the ladder's beams for additional locking support.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet

SKILL SHEET 13-26	Portable Ladder Rescue of a Conscious Victim		
OBJECTIVE:	NFPA 1001, 4.3.9	FEH Chapter: 13	
CANDIDATE NAME/NUMBER:		No.:	
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]	<ul style="list-style-type: none"> • Portable Ladder • PPE 		
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>	Working as a member of a team, the student will demonstrate rescuing a conscious victim with a ladder.		
CRITERIA:	NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]		
Critical?		Pass	Fail
	Make sure the victim faces into the ladder. Places both your arms around the		

	victim and onto the back of the beams of the ladder.		
	If the victim becomes panicked at any time during the descent, you can press the victim into the ladder to gain control or stop the victim's descent.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet

SKILL SHEET 13-28	Portable Ladder Rescue of an Unconscious Victim		
OBJECTIVE:	NFPA 1001, 4.3.9	FEH Chapter: 13	
CANDIDATE NAME/NUMBER:		No.:	
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]	<ul style="list-style-type: none"> • Portable Ladder • PPE 		
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>	Working as a member of a team, the student will demonstrate rescuing an unconscious victim with a ladder.		
CRITERIA:	NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]		
Critical?		Pass	Fail

	Place both your arms out and onto the beams of the ladder, accepting the victim across both arms. Sometimes the victim's legs can be split to assist in the carry down.		
	Control the descent by pressing the victim into the ladder with your chest.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet

SKILL SHEET 13-29	Portable Ladder Placement and Entry: Roof Level	
OBJECTIVE:	NFPA 1001, 4.3.6	FEH Chapter: 13
CANDIDATE NAME/NUMBER:		No.:
TEST DATE/TIME		
EQUIPMENT REQUIRED: [Add local requirements if needed]	<ul style="list-style-type: none"> • Portable Ladder • Pike Pole • PPE 	
EVALUATOR INSTRUCTIONS		
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>	Working as a member of a team, the student will demonstrate placing a ladder to a roof.	
CRITERIA:	NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	

Critical?		Pass	Fail
	Portable ladders placed up to a roof should be positioned with at least five rungs extending past the fascia.		
	To transfer from the ladder, first determine the stability of the roof by sounding the roof with a tool or boot.		
	Do not jump onto the roof; make a slow transition.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet

SKILL SHEET 13-30	Portable Ladder Placement and Entry: Windows		
OBJECTIVE:	NFPA 1001, 4.3.6 4.3.9	FEH Chapter: 13	
CANDIDATE NAME/NUMBER:		No.:	
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]	<ul style="list-style-type: none"> • Portable Ladder • Pike Pole • PPE 		
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>	Working as a member of a team, the student will demonstrate placing a ladder to a window.		
CRITERIA:	NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]		
Critical?		Pass	Fail

	A portable ladder placed to a window should be positioned with the tip of the ladder slightly below or level with the windowsill.		
	To enter, approach the window, put yourself in a leg lock or attach with a harness, and prepare to ventilate the window to be entered.		
	Once the window is removed, the firefighter sweeps the area immediately inside the window for any debris or for victims. The firefighter needs to sound the floor before entering.		
	Drive your right shoulder into the bottom of the left side of the window frame, facing outward while climbing toward the top rung. Place your right hand against the interior wall to assist you with your balance.		
	As you climb over the top rung, your right leg will enter the window, while your left hand maintains a grip on the ladder's rung or beam.		
	As your right leg enters the room, it will again sweep and sound the floor.		
	If the window's opening is small, lift your head into the room and over the sill. Ride down the wall to the room's floor. Your left leg will naturally follow as you enter the room.		
	If the window opening is larger, you can often bring the leg foot up and behind you and into the window, while still keeping your head outside.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet

SKILL SHEET 13-32	Single Firefighter Shoulder Carry	
OBJECTIVE:	NFPA 1001, 4.3.6	FEH Chapter: 13
CANDIDATE NAME/NUMBER:		No.:
TEST DATE/TIME		
EQUIPMENT REQUIRED: [Add local requirements if needed]	<ul style="list-style-type: none"> • Portable Ladder • Pike Pole • PPE 	
EVALUATOR INSTRUCTIONS		
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>	Student will demonstrate the single firefighter shoulder carry.	

CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	
Critical?		Pass	Fail
	Go to the center of the ladder at its balance point.		
	Squat, grab a rung, and, with your leg muscles, lift the ladder onto your shoulder, with the butt end facing toward the direction of travel.		
	The same arm then enters between the rungs and grabs the next forward rung.		
	As the ladder sits on your shoulder, it can be tilted down slightly. This helps control the ladder, provides good visibility, and prevents striking other persons with the butt.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet

SKILL SHEET 13-33	Single Firefighter Suitcase Carry	
OBJECTIVE:	NFPA 1001, 4.3.6	FEH Chapter: 13
CANDIDATE NAME/NUMBER:		No.:
TEST DATE/TIME		
EQUIPMENT REQUIRED: [Add local requirements if needed]	<ul style="list-style-type: none"> • Portable Ladder • PPE 	
EVALUATOR INSTRUCTIONS		
CANDIDATE INSTRUCTIONS: NOTE: The evaluator will read the following exactly as it is written to the candidate	Student will demonstrate the single firefighter suitcase carry.	

CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides	
		[ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	
Critical?		Pass	Fail
	Position yourself at the balance point of the ladder.		
	Grab the beam of the ladder, and using your leg muscles, begin to stand. Your arms and body raise the ladder to a vertical carry position that resembles a suitcase.		
EVALUATOR COMMENTS:			
[ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet

SKILL SHEET 13-34	Single Firefighter Drag Using Swick Method	
OBJECTIVE:	NFPA 1001, 4.3.6	FEH Chapter: 13
CANDIDATE NAME/NUMBER:		No.:
TEST DATE/TIME		
EQUIPMENT REQUIRED: [Add local requirements if needed]	<ul style="list-style-type: none"> • Portable Ladder • Roof Ladder • PPE 	
EVALUATOR INSTRUCTIONS		

CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>	Student will demonstrate the single firefighter drag.		
CRITERIA:	NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]		
Critical?		Pass	Fail
	First lay an extension ladder fly section up, on the ground.		
	Place a roof ladder with open roof hooks on top of the extension ladder. The hooks bite into the top rung of the extension ladder, connecting the ladders.		
	Lay your tools on top of the ladders.		
	Go to either side of the ladder, nearest the tip, and crouch, placing your arm downward to pick up the extension ladder's bottom rung.		
	Stand up to lift the ladder with your leg and back muscles, dragging the ladder to your destination.		
EVALUATOR COMMENTS: <i>[ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]</i>			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet

SKILL SHEET 13-36	Single-Firefighter Flat Raise	
OBJECTIVE:	NFPA 1001, 4.3.6	FEH Chapter: 13
CANDIDATE NAME/NUMBER:		No.:
TEST DATE/TIME		
EQUIPMENT REQUIRED: <i>[Add local requirements if needed]</i>	<ul style="list-style-type: none"> • Portable Ladder • PPE 	
EVALUATOR INSTRUCTIONS		

CANDIDATE INSTRUCTIONS:		Student will demonstrate the single-firefighter flat raise.	
<i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>			
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides	
		[ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	
Critical?		Pass	Fail
	After a single-carry transport technique, check for overhead obstructions such as tree branches and overhead electrical lines.		
	Place the butt of the ladder against the structure for bracing.		
	Kneel or bend at the tip of the ladder, and using your leg muscles, lift the tip off the ground.		
	Walk the ladder up, with your hands sliding up the rails of the beam and eyes focused on the ladder rising overhead.		
EVALUATOR COMMENTS:			
<i>[ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]</i>			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet

SKILL SHEET 13-38	Two-Firefighter Shoulder Carry	
OBJECTIVE:	NFPA 1001, 4.3.6	FEH Chapter: 13
CANDIDATE NAME/NUMBER:		No.:
TEST DATE/TIME		
EQUIPMENT REQUIRED: <i>[Add local requirements if needed]</i>	<ul style="list-style-type: none"> • Portable Ladder • PPE 	

EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>		Working as a member of a team, the student will demonstrate the two-firefighter shoulder carry.	
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	
Critical?		Pass	Fail
	Two firefighters face the same direction on the same side of the ladder, one at the butt, and one at the tip.		
	They both squat, grab a rung, and with their leg muscles, lift the ladder onto their shoulders.		
	The same arm then enters between the rungs and grabs the next forward rung.		
	The butt firefighter should be inside the first rung spacing to protect the butt and use the other arm to warn approaching firefighters. The tip firefighter steers the ladder around obstructions.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet

SKILL SHEET 13-39	Two-Firefighter Suitcase Carry	
OBJECTIVE:	NFPA 1001, 4.3.6	FEH Chapter: 13
CANDIDATE NAME/NUMBER:		No.:
TEST DATE/TIME		

EQUIPMENT REQUIRED: [Add local requirements if needed]	<ul style="list-style-type: none"> • Portable Ladder • PPE 		
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>	Working as a member of a team, the student will demonstrate the two-firefighter suitcase carry.		
CRITERIA:	NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]		
Critical?		Pass	Fail
	Two firefighters position themselves on the same side of the ladder and face the same direction. One firefighter is at the butt, and one at the tip.		
	Both firefighters squat, grab the beam of the ladder, and prepare to lift.		
	Using their leg muscles, both firefighters begin to stand. Their arms and bodies raise the ladder to a vertical carry position that resembles a suitcase. The butt firefighter must maintain a position to protect the butt of the ladder from striking another firefighter or object.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet

SKILL SHEET 13-40	Two-Firefighter Beam Raise	
OBJECTIVE:	NFPA 1001, 4.3.6	FEH Chapter: 13
CANDIDATE NAME/NUMBER:		No.:

TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]		<ul style="list-style-type: none"> • Portable Ladder • PPE 	
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>		Working as a member of a team, the student will demonstrate the two-firefighter beam raise.	
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	
Critical?		Pass	Fail
	After the ladder reaches the desired location, the butt end firefighter places the ladder the proper distance from the building with the fly section out, and out of the way of overhead obstructions. This should be about one-fourth the working distance of the ladder, so the ladder won't need to be repositioned once it is vertical.		
	The butt firefighter places the ladder with one beam planted on the ground, so it is in the vertical position on one beam.		
	The footer places one foot on the ladder's butt end on the ground. The other foot goes comfortably behind the firefighter. This leg should not be directly in line with the ladder because it could get struck as the ladder rises.		
	The footer's hands go onto the beam. The arm that is on the same side as the leg on the ladder's butt extends forward. The back arm now goes on the beam near the ladder's butt.		
	The firefighter at the tip rechecks the overhead clearance and raises the ladder, while the footer leans back and, pulling slightly, reducing the weight of the ladder and assisting with the raise.		
	Next, the tip firefighter positions his or her body on the inside of the ladder with the ladder sitting on the opposite shoulder, then walks the ladder up hand-over-hand while watching for overhead obstructions.		
	Once the ladder is vertical, both firefighters assume positions on opposite sides of the ladder with one foot against the butt to steady it and the other leg behind them for balance.		
	One of the firefighters then unties the halyard and extends the ladder, pulling on the halyard in a hand-over-hand motion.		
	As the halyard is being raised, the other firefighter positions both hands outside the ladder's beams to steady it.		
	When the ladder reaches the desired height, the firefighters slowly lean it into the building, placing one foot against an opposite foot on the ladder and using their arms to control the ladder's lowering into the building.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			

EVALUATOR SIGNATURE:	
STUDENT SIGNATURE:	

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet

SKILL SHEET 13-41	Two-Firefighter Flat Raise	
OBJECTIVE:	NFPA 1001, 4.3.6	FEH Chapter: 13

CANDIDATE NAME/NUMBER:		No.:	
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]		<ul style="list-style-type: none"> • Portable Ladder • PPE 	
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>		Working as a member of a team, the student will demonstrate the two-firefighter flat raise.	
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	
Critical?		Pass	Fail
	The ladder is positioned flat, with both feet lying on the ground. The footer positions his or her feet onto the bottom rung or onto both rails of the ladder. He or she crouches with arms extended to grab a forward rung of the ladder. A firefighter's physical makeup determines which rung is feasible and comfortable to grab.		
	As the ladder is lifted and raised, the footer maintains this position, leans slightly back to counterweight, and assists in lifting the ladder.		
	As the ladder approaches vertical, the footer removes one foot and places it behind him or her for balance.		
	The firefighter raising the ladder checks for obstructions then raises the ladder, walking at a steady pace and sliding hands up the ladder's rails to raise it to the vertical position. Take care to slide arms up the ladder's rails, using leg muscles to drive the ladder upward.		
	Once the ladder is vertical, both firefighters assume positions on opposite sides of the ladder with one foot against the ladder's butt to steady it and the other placed behind them for balance. They can untie the halyard now and extend the ladder to its objective using a hand over hand motion.		
	As the halyard is being raised, the other firefighter positions both hands outside the ladder's beams to steady it.		
	The halyard firefighter assures that the halyard is positioned out of the way to prevent becoming a tripping hazard.		
	When the ladder reaches the desired height, the firefighters slowly lean it into the building, placing one foot against an opposite foot on the ladder and using their arms to control the ladder's lowering into the building.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet

SKILL SHEET 13-43	Three-Firefighter Shoulder Carry	
OBJECTIVE:	NFPA 1001, 4.3.6	FEH Chapter: 13

CANDIDATE NAME/NUMBER:		No.:	
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]		<ul style="list-style-type: none"> • Portable Ladder • PPE 	
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>		Working as a member of a team, the student will demonstrate the three-firefighter shoulder carry.	
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	
Critical?		Pass	Fail
	Three firefighters face the same direction on the same side of the ladder, one at the butt, one at the tip, and one in the middle.		
	They squat, grab a rung, and with their leg muscles, lift the ladder onto their shoulders.		
	The same arm then enters between the rungs and grabs the next forward rung.		
	The butt firefighter should be inside the first rung spacing to protect the butt and use the other arm to warn approaching firefighters. The tip firefighter steers the ladder around obstructions.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet

SKILL SHEET 13-44	Three-Firefighter Suitcase Carry
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OBJECTIVE:	NFPA 1001, 4.3.6	FEH Chapter: 13	
CANDIDATE NAME/NUMBER:		No.:	
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]	<ul style="list-style-type: none"> • Portable Ladder • PPE 		
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>	Working as a member of a team, the student will demonstrate the three-firefighter suitcase carry.		
CRITERIA:	NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]		
Critical?		Pass	Fail
	Three firefighters position themselves on the same side of the ladder and face the same direction. One firefighter is at the butt, one at the tip, and one in the middle.		
	All firefighters squat, grab the beam of the ladder, and prepare to lift.		
	Using their leg muscles, the firefighters begin to stand. Their arms and bodies raise the ladder to a vertical carry position that resembles a suitcase. The butt firefighter must maintain a position to protect the butt of the ladder from striking another firefighter or object.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet

SKILL SHEET 13-45		Three-Firefighter Flat-Arm Carry	
OBJECTIVE:		NFPA 1001, 4.3.6	FEH Chapter: 13
CANDIDATE NAME/NUMBER:			No.:
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]		<ul style="list-style-type: none"> • Portable Ladder • PPE 	
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>		Working as a member of a team, the student will demonstrate the three-firefighter flat-arm carry.	
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	
Critical?		Pass	Fail
	Two firefighters go to the same side of the ladder, at the tip and butt. The third goes to the opposite side, in the center.		
	All three firefighters crouch on one knee.		
	On command, they lift the ladder off the ground using their leg muscles. They can place their hands on either the rung or the beam.		
	If the ladder was removed from a ladder apparatus with rear horizontal storage, the two firefighters would position themselves on one side of the ladder, with the third positioned on the opposite side.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

SKILL SHEET 13-48		Three-Firefighter Beam Raise	
OBJECTIVE:		NFPA 1001, 4.3.6	FEH Chapter: 13
CANDIDATE NAME/NUMBER:			No.:
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]		<ul style="list-style-type: none"> • Portable Ladder • PPE 	
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>		Working as a member of a team, the student will demonstrate the three-firefighter beam raise.	
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	
Critical?		Pass	Fail
	After the ladder reaches the desired location, the butt end firefighter places the ladder the proper distance from the building with the fly section out and, if possible, out of the way of overhead obstructions. This should be about one-fourth the working distance of the ladder, so the ladder won't need to be repositioned once it is vertical. The firefighter places the ladder with one beam planted on the ground, so it is in the vertical position on one beam.		
	The footer firefighter places one foot on the ladder's butt end on the ground. The other foot goes comfortably behind the firefighter. This leg should not be directly in line with the other leg and the ladder because it could get struck as the ladder rises.		
	The footer's hands go onto the beam. The arm that is on the same side as the leg on the ladder's butt extends forward. The back arm now goes on the beam near the ladder's butt.		
	The firefighters at the tip raise the ladder, while the footer leans back and, pulling slightly, reduces the weight of the ladder and assists in the raise.		
	Depending on physical size, the third firefighter either walks the ladder up in front or behind the firefighter who is raising the ladder's tip. This way, both firefighters can reach the ladder and raise it in unison.		
	Once the ladder is vertical, both firefighters assume positions on opposite sides of the ladder with one foot against the butt to steady it and the other leg behind them for balance.		
	One of the firefighters then unties the halyard and extends the ladder, pulling on the halyard in a hand-over-hand motion.		
	As the halyard is being raised, the other firefighter positions both hands outside the ladder's beams to steady it.		
	Once the ladder is at the desired height, the halyard firefighter assures that the halyard is positioned out of the way to prevent becoming a tripping hazard.		

	When the ladder reaches the desired height, firefighters slowly lean it into the building. They place one foot against an opposite foot on the ladder and use their arms to control the ladder's lowering into the building.		
	Another option is for the additional firefighter to take a position at the middle of the ladder and facing the tip.		
	When the ladder is raised, this firefighter should lift the ladder upward.		
	As the ladder passes their position, the firefighter would turn toward the base and maintain a position on the outside of the ladder, helping to balance the ladder.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

Instructor Curriculum Skill Evaluation Sheet

SKILL SHEET 13-49		Three-Firefighter Flat Raise	
OBJECTIVE:		NFPA 1001, 4.3.6	FEH Chapter: 13
CANDIDATE NAME/NUMBER:			No.:
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]		<ul style="list-style-type: none"> • Portable Ladder • PPE 	
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>		Working as a member of a team, the student will demonstrate the three-firefighter flat raise.	
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	
Critical?		Pass	Fail
	Once the ladder reaches the desired location by the footer, it can be raised flat.		
	The ladder is positioned flat, with both feet lying on the ground.		
	The footer positions his or her feet onto the bottom rung or onto both rails of the ladder.		
	He or she crouches with arms extended to grab a forward rung of the ladder. A firefighter's physical makeup determines which rung is feasible and comfortable to grab.		
	As the ladder is lifted and raised, the footer maintains this position and leans slightly back to provide a counterweight and assist in lifting the ladder.		
	As the ladder approaches vertical, the footer removes one foot and places it behind him- or herself for balance.		
	The two firefighters raising the ladder check for obstructions, then raise the ladder, walking at a steady pace and sliding hands up the ladder's rails to raise it to the vertical position. Take care to slide arms up the ladder's rails, using leg muscles to drive the ladder upward.		
	Once the ladder is vertical, both firefighters assume positions on opposite sides of the ladder, with the foot against the ladder's butt to steady it and the other placed behind them for balance. They can untie the halyard now and extend the ladder to its objective.		
	One of the firefighters then unties the halyard and extends the ladder, pulling on the halyard in a hand-over-hand motion.		
	Once the ladder is at the desired height, the halyard firefighter assures that the halyard is positioned out of the way to prevent becoming a tripping hazard.		
	When the ladder reaches the desired height, firefighters slowly lean it into the building. They place one foot against an opposite foot on the ladder and use		

	their arms to control the ladder's lowering into the building.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet

SKILL SHEET 13-50		Four-Firefighter Flat-Arm Carry	
OBJECTIVE:		NFPA 1001, 4.3.6	FEH Chapter: 13
CANDIDATE NAME/NUMBER:			No.:
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]		<ul style="list-style-type: none"> • Portable Ladder • PPE 	
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>		Working as a member of a team, the student will demonstrate the four firefighter flat arm carry.	
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	
Critical?		Pass	Fail
	Two firefighters go to each side of the ladder, at the tip and butt.		
	All four firefighters crouch on one knee.		
	On command, they lift the ladder off the ground using their leg muscles. They can place their hands on either the rung or the beam.		
	If the ladder was removed from a ladder apparatus with rear horizontal storage, two firefighters would position themselves at the tip of the ladder, with the other two positioned at the butt.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet

SKILL SHEET 13-52		Single-Firefighter Roof Ladder Placement	
OBJECTIVE:		NFPA 1001, 4.3.12	FEH Chapter: 13
CANDIDATE NAME/NUMBER:			No.:
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]		<ul style="list-style-type: none"> • Portable Ladder • Roof Ladder • Peaked Roof structure or prop • PPE 	
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>		Working as a member of a team, the student will demonstrate a single-firefighter roof ladder placement.	
CRITERIA:		NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]	
Critical?		Pass	Fail
	After the extension ladder is in proper climbing position, the roof ladder's hooks are opened, and the ladder is raised next to the extension ladder. The roof ladder can be placed on one beam and next to the extension ladder with the roof hooks facing away.		
	The student climbs the extension ladder. On reaching the balance point of the roof ladder, place your shoulder between the rungs.		
	The student continues to climb the ladder, sliding their hands along the beams of the ladder. This maintains 3 points of contact at all times.		
	When you reach the fascia, the roof ladder will begin to pivot over the roof's edge. The roof ladder can now be pushed up the roof either on the beam or laid flat.		
	Once the ladder goes over the roof's ridge, pull back on the ladder and sink the roof hooks into the ridge.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			

STUDENT SIGNATURE:	
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FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet

SKILL SHEET 13-53	Two-Firefighter Roof Ladder Placement		
OBJECTIVE:	NFPA 1001, 4.3.12	FEH Chapter: 13	
CANDIDATE NAME/NUMBER:		No.:	
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]	<ul style="list-style-type: none"> • Portable Ladder • Roof Ladder • Peaked Roof structure or prop • PPE 		
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>	Working as a member of a team, the student will demonstrate a two-firefighter roof ladder placement.		
CRITERIA:	NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]		
Critical?		Pass	Fail
	After the extension ladder is in proper climbing position, the roof ladder's hooks are opened, and the ladder is raised next to the extension ladder. The roof ladder can be placed on one beam and next to the extension ladder, with the roof hooks facing away.		
	One firefighter should climb to a position near the top of the extension ladder. This allows the firefighter to transfer the ladder from the extension ladder to its locked position on the roof. This firefighter should either lock into the ladder with a leg-lock maneuver or use a safety belt.		
	The firefighter on the ground will now raise the roof ladder to the firefighter on the ladder. They can remain on the ground and transfer the ladder upward by using their arms, or the firefighter on the ground can hand the roof ladder upward to the firefighter on the ladder. As the ladder is raised, the firefighter on the ground can now climb up the extension ladder to help raise and balance the roof ladder.		
	The roof ladder will begin to pivot over the roof's edge. The roof ladder can now be pushed up the roof either on the beam or laid flat.		
	Once the ladder goes over the roof's ridge, the firefighter will pull back on the ladder, sinking the roof hooks into the ridge.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			

EVALUATOR SIGNATURE:	
STUDENT SIGNATURE:	

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet

SKILL SHEET 13-54	Venting a Window with a Ladder		
OBJECTIVE:	NFPA 1001, 4.3.11	FEH Chapter: 13	
CANDIDATE NAME/NUMBER:		No.:	
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]	<ul style="list-style-type: none"> • Portable Ladder • Roof Ladder • Peaked Roof structure or prop • PPE 		
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>	Candidate will demonstrate venting a window with a ladder		
CRITERIA:	NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]		
Critical?		Pass	Fail
	Using a ladder to vent a window can be a quick and effective way to perform ventilation.		
	The ladder is raised vertically to the proper level, near the top third of the window.		
	The ladder is dropped or pushed forcefully into the window by the firefighter positioned at the base of the ladder. The firefighter should remove his or her hands from the ladder, in case glass should slide down the beams of the ladder. Hands should be in the vicinity of the ladder in case the ladder bounces off the window. Be sure to wear full PPE (personal protective equipment).		
	(Alternately) Roof ladder throw.		
	Roof hooks are placed in the open position.		
	The ladder is placed at the proper height and thrown or pushed into the window by the firefighter positioned at the base of the ladder.		
	After the top pane is broken, and if the terrain is not bad, pick up the base of the ladder and give it a slight tug, or pull it backward to break the bottom pane and remove the sash of the window.		

EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]	
EVALUATOR SIGNATURE:	
STUDENT SIGNATURE:	

FIRE ENGINEERING'S HANDBOOK FOR FIREFIGHTER I & II
Instructor Curriculum Skill Evaluation Sheet

SKILL SHEET 13-55	Four-Firefighter Flat Raise		
OBJECTIVE:	NFPA 1001, 4.3.6	FEH Chapter: 13	
CANDIDATE NAME/NUMBER:		No.:	
TEST DATE/TIME			
EQUIPMENT REQUIRED: [Add local requirements if needed]	<ul style="list-style-type: none"> • Portable Ladder • PPE 		
EVALUATOR INSTRUCTIONS			
CANDIDATE INSTRUCTIONS: <i>NOTE: The evaluator will read the following exactly as it is written to the candidate</i>	Working as a member of a team, the student will demonstrate the four-firefighter flat raise.		
CRITERIA:	NOTE: Based on material from the Skill Drill Instructor Guides [ADDITIONAL LINES FOR AHJ TO ADD OTHER MATERIAL]		
Critical?		Pass	Fail
	Once the ladder reaches the desired location by the footer, it can be raised flat.		
	The ladder is positioned flat, with both feet lying on the ground.		
	The footers positions one of their feet onto the bottom rung or onto one rail of the ladder.		
	He or she crouches with arms extended to grab a forward rung of the ladder. A firefighter's physical makeup determines which rung is feasible and comfortable to grab.		
	As the ladder is lifted and raised, the footers maintains this position and leans slightly back to provide a counterweight and assist in lifting the ladder.		
	As the ladder approaches vertical, the footers must maintain their balance.		
	The two firefighters raising the ladder check for obstructions, then raise the ladder, walking at a steady pace and sliding hands up the ladder's rails to raise it to the vertical position. Take care to slide arms up the ladder's rails, using leg muscles to drive the ladder upward.		
	Once the ladder is vertical, both firefighters assume positions on opposite sides		

	of the ladder, with the foot against the ladder's butt to steady it and the other placed behind them for balance. They can untie the halyard now and extend the ladder to its objective.		
	One of the firefighters then unties the halyard and extends the ladder, pulling on the halyard in a hand-over-hand motion.		
	Once the ladder is at the desired height, the halyard firefighter assures that the halyard is positioned out of the way to prevent becoming a tripping hazard.		
	When the ladder reaches the desired height, firefighters slowly lean it into the building. They place one foot against an opposite foot on the ladder and use their arms to control the ladder's lowering into the building.		
EVALUATOR COMMENTS: [ANY COMMENTS PRO OR CON REGARDING WHAT THE STUDENT ACCOMPLISHED]			
EVALUATOR SIGNATURE:			
STUDENT SIGNATURE:			