

North Branford Fire Department



Fire Training Facility and Live Burn Policy

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Purpose:

The North Branford Fire Department shall provide a safe training environment during training evolutions involving all training activities including live fire suppression at the Fire Training Facility. Compliance with Department Polices, OSHA Regulations and NFPA 1403 is mandatory.

Scheduling:

Training Schedule- The Deputy Chief of Training shall schedule monthly training at the Training Facility. Any changes and/or additions to the schedule are subject to the approval by the Deputy Chief of Training, or his designee.

Mutual Aid Departments:

Mutual aid departments may use the Training Facility providing that their request does not interfere with the department's training schedule. All requests for the Training Facility use shall be approved by the Deputy Chief of Training, or his designee. A North Branford Fire Department Training Supervisor shall be appointed to supervise all training being conducted by other departments.

Safety:

Protective Equipment- All Structural Fire Fighting Personal Protective Equipment shall be compliant with *NFPA 1971, Standard for Protective Ensemble for Structural Firefighting and Proximity Firefighting*. All students shall wear personal protective equipment appropriate for the type of training being conducted. Instructors shall wear personal protective equipment appropriate for the type of training being conducted; the expectation is that Instructors shall don personal protective equipment consistent to what the students are required wear.

Safety Officer- A Safety Officer shall be assigned to ALL training involving live fire and/or high hazard training evolutions. The Safety Officer shall be trained to the level at least of Incident Safety Officer.

Student to Instructor Ratio- There shall be a maximum of a Five (5) students to Instructor ratio during live fire and/or high hazard training.

Accountability- Accountability shall be attained according to *NFPA 1561, Standard on Emergency Services Incident Management System and Command Safety*. The Accountability Officer shall complete a Live Burn Evolutions Work Sheet and manage accountability tags during evolutions.

Personnel Accountability Reports (P.A.R.) - Before and after to all training evolutions a P.A.R. report shall be obtained from each group leader/instructor. A P.A.R. should be given during training evolutions as tasks are completed, or in the event of an emergency.

Rapid Intervention Team (R.I.T.) - A Rapid Intervention Team shall be appointed during ALL live fire and/or high hazard training; R.I.T. shall only be deployed in a true emergency unless pre-determined at the beginning of the training evolution.

Emergency Medical Services- There shall be a minimum of one Emergency Medical Technician on site equipped with appropriate equipment including an AED during ALL live fire and/or high hazard training. Any student requiring medical attention shall be evaluated by a North Branford Fire Department E.M.S. provider for further care and documentation. Notification can be done directly via radio or by dialing 911.

Environmental Considerations- The Lead Instructor is responsible for determining if weather conditions are acceptable for conducting safe training evolutions.

Communications:

Radio Assignments- All instructors, safety officers and students shall be issued a radio during live fire and/or high hazard training evolutions.

Radio Channel Assignments- The channel for all training evolutions shall be determined at the beginning of the training session; the primary channel for North Branford shall be **City Group 1**; a radio check of ALL radios shall be conducted prior to training evolutions.

Radio Channel Assignments may be changed prior to evolutions based on training needs.

Radio Designations:

Command

Operations

Fire Attack (floor)

Fire Attack (floor)

Ventilation

Search (floor)

(Unit) Pump

Water Supply

R.I.T.

Ignition

Safety

Rehab

Training Supervisor (mutual aid department use only)

** All radio transmissions shall be in plain language.*

May-Day- A May-Day shall only be initiated during an actual emergency during live fire training evolutions.

Mandatory Staff Positions and Responsibilities:

Lead Instructor- The Lead Instructor shall ensure that all necessary documents are completed including a Live Burn Work Sheet; compliance with this Policy; compliance with OSHA Regulations; and *NFPA 1403, Standard on Live Fire Training Evolutions*. The Lead Instructor shall coordinate all activities before, during and after training evolutions.

Command- Command shall operate in a fixed mode consistent to an actual fire incident; monitor radio traffic; monitor fire ground activities; and obtain frequent personnel accountability reports.

Safety Officer- The Safety Officer shall be appointed during ALL live fire and/or high hazard training.

The Safety Officer Shall ensure a productive, safe learning environment for students and instructors; check for appropriate use of PPE; maintain compliance with this policy; compliance with *NFPA 1403, Standard on Live Fire Training Evolutions*; observe and correct unsafe acts; evaluate weather conditions; and ensure adequate rehabilitation is being performed.

The Safety Officer(s) may suspend, alter or terminate any actions or activities he/she deems unsafe.

Additional Safety Officers may be appointed as required.

Burn Supervisor(s) - At least one Burn Supervisor shall be appointed by the North Branford Fire Department any time a mutual aid department is operating at the Training Facility. Burn Supervisors shall ensure compliance to Department Policies, OSHA regulations and NFPA 1403. Additionally Burn Supervisors will ensure the Training Facility and grounds are clean as well as secure upon completion of all training.

Burn Supervisors shall be a certified Fire Service Instructor-I; completed an Incident Safety Officer class; received training on the use of the pyrometer; and served as a Safety Officer during live fire/high hazard training.

Instructor(s) – Instructors shall provide direct supervision to crews during training evolutions; ensuring the students safety; evaluating performance; and to provide feedback to the Lead Instructor.

The minimum certification to serve as an instructor shall be Fire Service Instructor-I.

There must be a maximum of a ratio of five (5) students to one (1) instructor during live fire and/or high hazard training, NO EXCEPTIONS.

One instructor shall be assigned to each group during live fire and/or high hazard training evolutions.

Pump Operator(s) – Pump Operators shall provide water to attack lines; ensuring adequate primary and secondary water supply; monitor radio traffic; and support to fire ground operations.

Rapid Intervention Team (R.I.T.) – R.I.T. shall be appointed during ALL live fire and/or high hazard training.

The Rapid Intervention Team shall consist of at least four (4) certified firefighters; possess ALL the necessary equipment consistent with the training being conducted; monitor radio traffic and fire ground activities.

Ignition Group- The Ignition Group shall work as a team of two to provide fires to safely meet the training objectives; conform to this policy; conform to Fire Facilities recommendations; wear appropriate PPE; and have at least on 1 ¾" hand line made available to them.

The ignition crew will report directly to Command.

Only pallets and hay shall be used, NO EXCEPTIONS.

There will only be burning permitted in the approved burn cribs, no fire shall be lit directly on the floor.

Burn cribs must remain at least two (2) feet off each wall.

Only one fire shall be lit at one time, this does not include smoke pots for additional smoke generation.

The alarm set point is a ceiling temperature of 1000 degrees Fahrenheit on the pyrometer. The Ceiling temperature shall not exceed 1200 degrees Fahrenheit. Should the temperature reach 1200 degrees Fahrenheit the room will require adequate time to cool.

Rehabilitation Officer- The Rehabilitation Officer is responsible for the health and wellness of ALL students and instructors. The Rehabilitation Officer shall provide adequate provisions for rehabilitation; providing rest, hydration, nourishment and medical evaluation.

Rehabilitation guidelines:

One 30 minute SCBA cylinder/ 20 minutes of work= 10 minutes of rest and hydration.

One 45 minute cylinder/ 40 minutes of work= 20 minutes of rest and hydration.

These guidelines can be modified based on environmental considerations.

Support Personnel:

Support Personnel can include additional pump operators, law enforcement, fire police and E.M.S. personnel.

Support Personnel must wear personnel protective equipment commensurate with assigned their duties.

Student Requirements:

All students participating in live fire training evolutions must meet the requirements of *NFPA 1001, Standard for Firefighter Professional Qualifications*; had a current department physical; has had a current annual OSHA required fit test; and don appropriate PPE including SCBA.

Additionally the following performance objectives must have been met:

- Portable Extinguishers
- Fire Behavior
- PPE
- Forcible Entry
- Ventilation
- Firefighter Safety/Survival
- Ladders
- Hose, Nozzles and Appliances
- Water Supply
- Salvage and Overhaul
- Search and Rescue

Pre-Burn Operations:

- Complete a Live Burn Work Sheet
- Make Group and Instructor Assignments
- Complete the Pre-Burn Check List
- Complete Liability Waivers (Non Department Members Only)
- Conduct PPE Inspections

Live Burn Operations:

- ***Live fire shall only be in the first and second floor burn rooms, NO EXCEPTIONS.***
- Only the Incident Commander shall initiate live burn evolutions.
- The Safety Officer must monitor the pyrometer, radio traffic and conditions during evolutions.
- ***The alarm set point is a ceiling temperature of 1000 degrees Fahrenheit on the pyrometer.***
- ***Ceiling temperatures shall not exceed 1200 degrees Fahrenheit.***
- Upon completion of evolutions students will report directly to Accountability and announce their P.A.R. status via radio to the Incident Commander.
- Rehabilitation shall be done according to the type of training as well as the environmental considerations.

Post Burn Operations:

- Extinguish ALL burn cribs.
- Ventilate the structure.
- Ensure there are no injuries.
- Ensure there is no damaged equipment.
- Conduct an after action review.
- Meter and clean the Training Facility.
- Place equipment and apparatus back into service.
- Police the Training Grounds for equipment and debris.
- Secure the Training Facility.
- Notify North Branford Dispatch that training is complete.

Roof Operations:

- A Safety Officer shall be appointed.
- All instructors operating on the pitched roof shall wear a Class II harness, as well as an approved fall protection device that is affixed to the roof ladder bars.
- All chains for securing the parapet openings shall remain secured while not in use.
- All students and instructors operating near the edge of the parapet wall openings shall wear a Class II harness, as well as an approved fall protection device that is affixed to a secure anchor point.

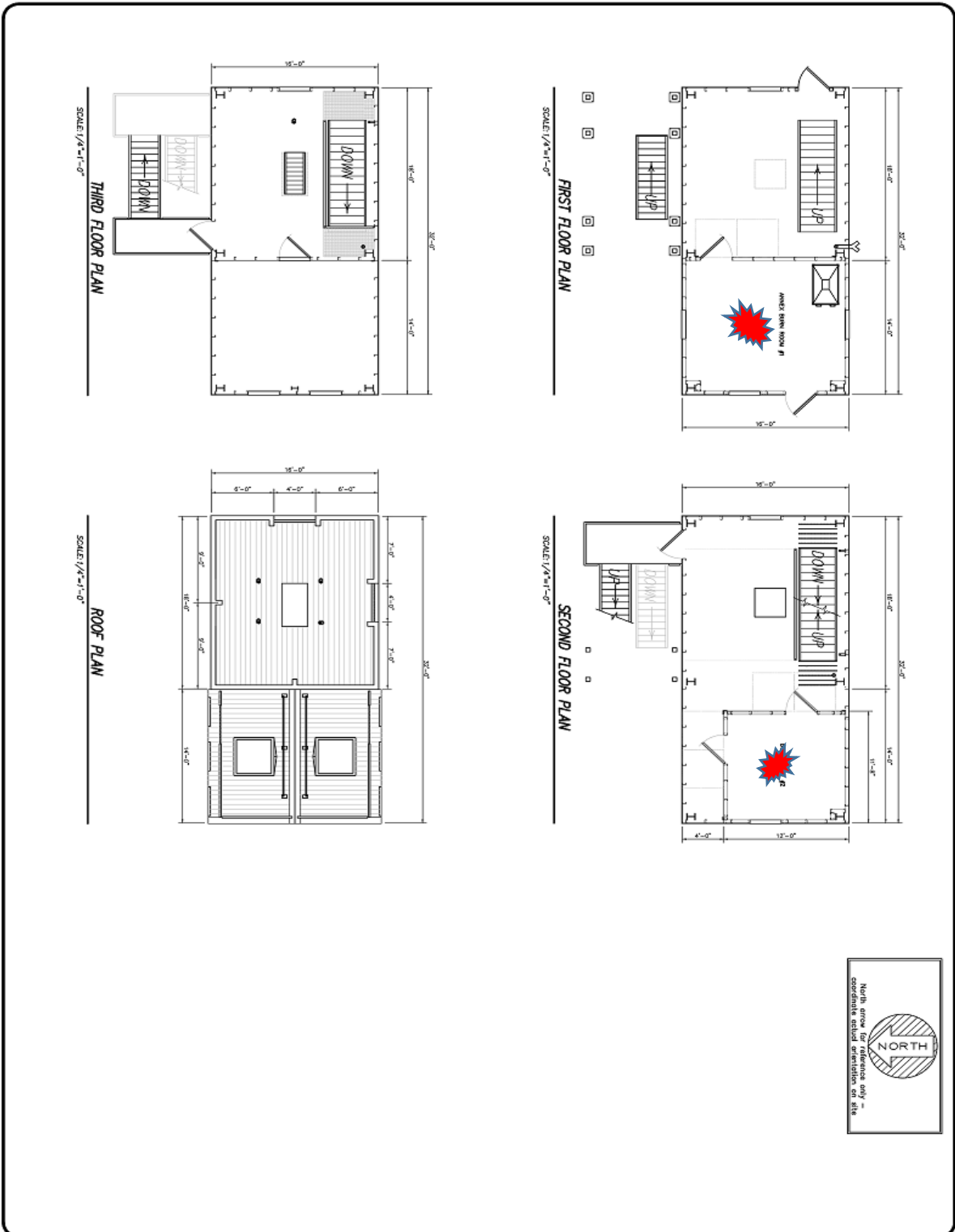
Rope Rescue Operations:

- A Safety Officer shall be appointed.
- All instructors and students shall wear at minimum a helmet, gloves, safety glasses and boots.
- All students operating off the roof or out a window shall also wear a Class-III harness in addition to being secured to a separate belay line.
- Tag lines should be used for hauling equipment to lower or elevated levels to prevent damage to the exterior of the training tower.

Per Order of the Fire Chief on 03.01.2016

Appendix

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<p>01 of 20</p>	<p>Job Description: WESCO MODEL WH-3ST CUSTOM NORTH BRANFORD, CT</p>	<p>FIRE FACILITIES STEEL FIRE TRAINING TOWERS</p>	<p>FIRE FACILITIES, INC. 314 WILBURN ROAD, SUN PEAK, MI 43090 OFFICE: (606) 337-4100 FAX: (606) 834-1843 TOLL FREE: (800) 563-3728 TOLL FREE FAX: (866) 538-7012 WWW.FIREFACILITIES.COM INFO@FIREFACILITIES.COM</p>	<p>THIS DRAWING AND ALL PARTS THEREOF IS THE EXCLUSIVE PROPERTY OF FIRE FACILITIES, INC. 314 WILBURN ROAD, SUN PEAK, MI 43090 OFFICE: (606) 337-4100 FAX (606) 834-1843 AND MAY NOT BE REPRODUCED IN WHOLE OR PART WITHOUT WRITTEN PERMISSION.</p>	<p>APPROVED</p> <p>3/</p>
<p>DATE: OCTOBER 13, 2015</p> <p>DESIGNER: SR</p> <p>SCALE: 1/4" = 1'-0"</p> <p>THIRD FLOOR PLAN</p>	<p>DATE: OCTOBER 13, 2015</p> <p>DESIGNER: SR</p> <p>SCALE: 1/4" = 1'-0"</p> <p>FIRST FLOOR PLAN</p>	<p>DATE: OCTOBER 13, 2015</p> <p>DESIGNER: SR</p> <p>SCALE: 1/4" = 1'-0"</p> <p>SECOND FLOOR PLAN</p>	<p>DATE: OCTOBER 13, 2015</p> <p>DESIGNER: SR</p> <p>SCALE: 1/4" = 1'-0"</p> <p>ROOF PLAN</p>		

North Branford Fire Department

Live Burn Work Sheet

General

Date: _____ Time: _____ Location: _____ Permit # _____

Weather: _____ Wind: _____ Temperature: _____

Incident Commander: _____ Safety Officer: _____

Accountability: _____ Ignition : _____

Rehabilitation/E.M.S.: _____ Traffic Control: _____

Primary Water Supply: _____ Secondary Water Supply: _____

Primary Attack Line: 1 3/4" 2 1/2" Master Stream GPM (125): _____ Apparatus: _____

Back-Up Attack Line: 1 3/4" 2 1/2" Master Stream GPM (125): _____ Apparatus: _____

Safety Line: 1 3/4" 2 1/2" Master Stream GPM (125): _____ Apparatus: _____

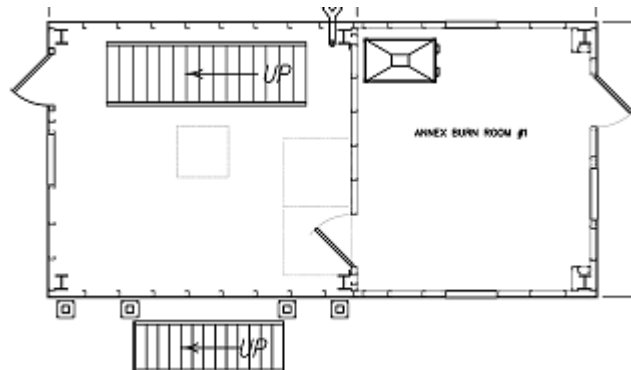
Construction Type: I II III IV V Height: _____ Basement: Yes No Attic: Yes No

Roof Construction: _____ Floor Construction: _____

Exposure A: _____ Exposure B: _____

Exposure C: _____ Exposure D: _____

Primary Frequency: _____ Secondary Frequency: _____



North Branford Fire Department

Live Burn Work Sheet

Group Assignments

Group: _____

Officer: _____

Firefighter: _____

Firefighter: _____

Firefighter: _____

Group: _____

Officer: _____

Firefighter: _____

Firefighter: _____

Firefighter: _____

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Firefighter: _____

Firefighter: _____

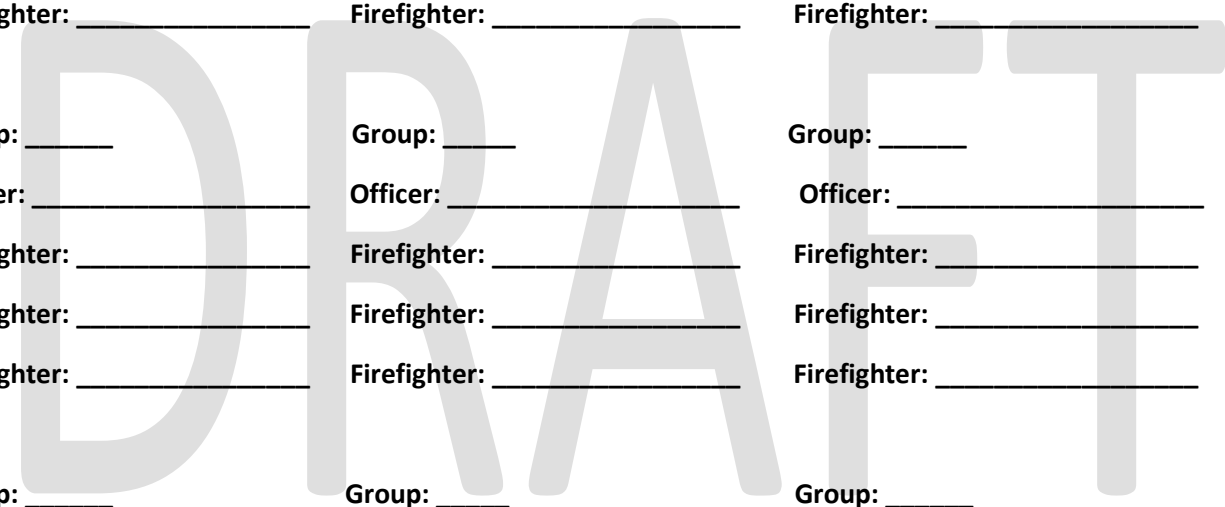
Group: _____

Officer: _____

Firefighter: _____

Firefighter: _____

Firefighter: _____



North Branford Fire Department

Live Burn Work Sheet

Group Assignments

Group: _____ Group: _____ Group: _____

Officer: _____ Officer: _____ Officer: _____

Firefighter: _____ Firefighter: _____ Firefighter: _____

Firefighter: _____ Firefighter: _____ Firefighter: _____

Firefighter: _____ Firefighter: _____ Firefighter: _____

Group: _____ Group: _____ Group: _____

Officer: _____ Officer: _____ Officer: _____

Firefighter: _____ Firefighter: _____ Firefighter: _____

Firefighter: _____ Firefighter: _____ Firefighter: _____

Firefighter: _____ Firefighter: _____ Firefighter: _____

Group: _____ Group: _____ Group: _____

Officer: _____ Officer: _____ Officer: _____

Firefighter: _____ Firefighter: _____ Firefighter: _____

Firefighter: _____ Firefighter: _____ Firefighter: _____

Firefighter: _____ Firefighter: _____ Firefighter: _____

Group: _____ Group: _____ Group: _____

Officer: _____ Officer: _____ Officer: _____

Firefighter: _____ Firefighter: _____ Firefighter: _____

Firefighter: _____ Firefighter: _____ Firefighter: _____

Firefighter: _____ Firefighter: _____ Firefighter: _____

North Branford Fire Department

Live Burn Work Sheet

Evolution Assignments

	Task	Task	Task	Task	Task	Task
Evolution						
1						
2						
3						
4						
5						
6						
7						
8						
9						
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11						
12						
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20						
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22						

North Branford Fire Department

Pre Burn Check List

Date:	Time(s):	Location:
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	Complete Live Burn Work Sheet
	Sign Training Roster
	Complete Liability Waivers (non-departmental students)
	Complete the Instructor and Group Assignments Sheet
	Complete the Evolutions Assignments Sheet
	Discuss Incident Action Plan(s)
	Set Up Evolutions (attack lines, pallets, hay, mannequins)
	Position Apparatus
	Ensure a Secondary Water Source (back-up line at 50% of fire flow)
	Set Up Accountability and Staging
	Set Up Rehabilitation and E.M.S.
	Establish R.I.T.
	Complete Walk-Through with Students and Instructors (interior and exterior exits)
	I.D. Hazards and Debris
	Prepare Burn Cribs (<i>Must be a minimum of 2 feet from all walls</i>)
	Initialize the Pyrometer
	Establish Evacuation Signals
	I.D. Radio Frequencies
	Conduct a Radio Check
	Notify North Branford Dispatch via Radio or By Phone # 203.484.2703

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**RELEASE AND WAIVER OF LIABILITY
FOR
USE OF FIRE TRAINING FACILITY**

In consideration of the willingness of the Town of North Branford Fire Department to allow me to participate in utilizing and operating at the North Branford Fire Department's Fire Training Facility, 290 Forest Road, North Branford, CT, and in acknowledgement of the risks inherent to this activity, I

_____ hereby agree to release, discharge, and hold harmless the Town of North Branford and the North Branford Fire Department, its commissioners, officers, agents and employees from and against any and all claims, demands, actions, causes of action, judgements, executions, damages, costs and expenses, which I or my heirs, executors, administrators or assigns or any person or entity, now have or may have against the Town of North Branford, the North Branford Fire Department and its commissioners, officers, agents and employees, for any and all losses, costs, expenses (including attorney's fees), damages and injuries known and unknown, and injuries to property, real or personal, caused by, arising out of, during, or in any way connected with my participation in firefighter training and that my participation is at my own risk.

I, the undersigned, have carefully read this release and understand its content. I execute it voluntarily and with full knowledge of its significance.

Dated this _____ day of _____, 20 _____

Name (Please Print)

Signature

(Please Print)

Signature of Witness

Name of Witness

FIRE DEPARTMENT AUTHORIZATION

I hereby authorize the above named person to participate in fire training activity at the Town of North Branford Fire Department Fire Training Facility and therefore understand the member will be covered by my Worker's Compensation Insurance while participating in such training. Furthermore, I understand the Town of North Branford, the North Branford Fire Department, its commissioners, officers, agents or employees shall not be liable for any injuries sustained during such training. The member is also considered by my department's standards to be physically and emotionally fit to perform firefighting evolutions without special considerations, and to meet the CFR 1910.134 standard for the use of respirators (SCBA).

Chief's Signature: _____ Date: _____

Chief's Name: _____
(Please Print)

Name of Fire Department: _____

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