

Westbury Fire Department

Refresher Course II

Truck Company Operations @ Station 2 Training Center

Module 1 – Laddering – (*Hands On*)

Version 4/11

I. Portable Ladders – Review Ladder Type/Names

- Extension -
- Straight / Roof
- Closet /Scissor
- A-Frame (Little Giant)

Demo & Explain Uses: Access, Covering holes in floors, Barrier to an Area, Venting, Ice, Pushing in Windows to vent, High point removal, burned out stairs ...

Review Safety Considerations: Conducts electric (wires), Raise and Lowering (Day or Night)

- Did the Person who Raised the ladder take it down or someone standing around?
- How to climb ladder in ice conditions (Heels not your toes)
- Moving: When would you move? – Someone showing at a window - then returned to original position.
- Second means of egress off roof (Second/Third)

(Hands On) - Removal and Storing on rigs (including engines)

- Where are they on the rigs, Sizes on rigs & how do we get them off (how much room needed behind rig)
- Getting ladders from storage when ladder rack, won't operate or come down
- How do we carry (1 & 2 Person) – Suitcase/ Shoulder
- Picking proper size for job – 2 runs over roof line, roof hooks ...

Ladder Raises – (Hands On & Demo - utilizing different members from group on each raise)

- Flat Raise
- Beam Raise
- Raise Parallel with the building
- Raise Perpendicular to building
- 1 person Raise - Extension & Straight
- 2 person Raise - Extension & Straight
- Extending & Retracting Ladder – 1 and multiple FF
- Obtaining Proper Climbing angle
- Butting the ladder – Man/Natural/Footing

Review Ladder Placement

- Peaked roofs – what do we do first – Roof vent or VES 2nd floor? (VES)
- We're do we place Ladders, where don't we place ladders?
- We're do we put the top run? Next to/Under/Over – (Going in, Venting or Rescuing)
- If Fire Escape – First ladder goes opposite the drop ladder
- How do we get ladders to the rear: Through adjoin building, around the building, back yard neighbor, over the building

Review Safety Considerations

Full protective gear

Check proper positioning & any hazards before rising

Butt ladder from back side

Lock in when working off ladder

- Leg Locks (Toe to Beam & Toe to Rung)
- Up wind (wind at our back)

Climb with hands on beams

Inspect before climbing and before stowing

Carrying tools: Saws, Hooks, Halligans – How to (consider use of rope)

Caution when venting widows with ladders

When entering a window from ladder – Clear out entire window, is there a floor, be able to get out quickly, closing the door, finding your way back to window

What type of smoke – what the fire condition you're going into?

Frame Fire Building (taxpayers) How many ladders do we put up?

Report to command the condition of the roof.

Make sure there is another means of egress when operating on a roof

II. Aerial Ladders

- 963 – Ladder operations
- 962 – Ladder operations

Review:

Positioning – where ladder should be

Safety Considerations – Moving components, overhead wires,

Use of Life Safety Belts/Personal Harness – securing to ladder when operating from.

Module 2 – Ventilation

I. Outside Ventilation Operations (OV) - (Hand on)

Review:

Where do we start so where do we start?

When do we do fire area?

How we clear a window

Hands On – to Second story window:

VES - Vent enter search, securing the room once enter

II. Roof Ventilation Operations – (Hands On – utilizing roof mock up)

Review:

Size up before entering – Bow Truss, Gypsum, Metal Decking

Natural opening First

Hands On:

Inspection Cuts – closet we can to fire

7, 9, 8 Cut – 4'x8' ideal – Notching corners so pry easy – Work with back to wind

Lift Saw blade over Beams, so not cutting (feel – sound of saw)

Clear roof material before cutting - if necessary

Work as team – 2 sets of eyes

Module 3 – Electrical Equipment / Fan Operation/Salvage

Lighting – Review and demo utilizing different members of the group

Generators – On Board & Portable

Reels – on board & Portable

Junction Box-Pig tails

Lights - **Make connection to Light utilizing all the above**

Fans - Review and demo utilizing different members of the group

Fans (Electric & Gas powered) - operations

Negative & Positive Pressure venting

Fan hangers

Salvage - Review - Type of equipment and where the equipment can be found

Hammer & staple gun

Tar paper & wood lathe

Tarps & Precut Plastic sheets

Module 4 – Forcible Entry – *Hands On*

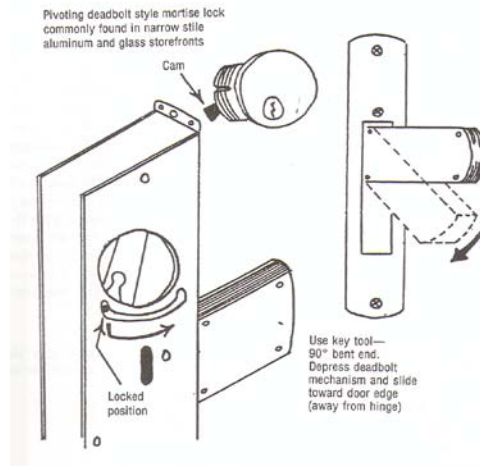
Review: Sizing Up Door - Methods best suited to force types

Utilizing Training door props - Have members demo:

Inward Opening – Conventional & utilizing Hydro Ram (rabbit tool)
(1 person & as 2 person team)

Outward Opening –
(1 person & as 2 person team)

Through The Lock –
Utilizing prop – (*hand on*)
Using key tool to operate cam -



Demo – utilizing storage trailer:

Pad Lock/Pancake Locks

Roll Gates

Module 5 – Ropes/ Harnesses

Review Demo Ropes/Harnesses Types/ Locations on rigs:

Life saving rope/ Life Belt – 150' - Flat roofs, Tied off substantial object

Utility Rope – 100' always to roof – Raising lowering equipment – Not for Repelling

Search Rope – 200' - knots in rope 1 or 2

Personal Rope – recommended all members have

Webbing – recommended all members have

Personal Harnesses / Belt – review

Module 6 – FAST Teams

Review - Riding Positions of Fast Team - Staging as a Fast Team required equipment

9th Battalion Must Stage Equipment:

*Portable Radio's for all members of the FAST Unit

*Search Rope with Tag Lines

*(2) Two sets of Irons

*Hand Light for Each members

Rescue Rope/Webbing

Rabbit Tool

*Assorted Pike Poles

Power Saws (2) 1 Wood, 1 Metal Blade

Sawz All

Water can

*Thermal Imaging Camera

Extension Ladder – Suitable to size of structure

**Spare SCBA and Cylinder

*Bolt Cutter

*Maul

Stokes Basket

*- Indicates Equipment required for an Individual's riding position

Positions: 3 Inside **always** / 2 minimum or 3 maximum Outside

