

SOUTH
DAKOTA
FIREFIGHTERS
ASSOCIATION
OFFICIAL
EVOLUTION
RULES

REVISED: JANUARY 2008

SOUTH DAKOTA FIREFIGHTERS ASSOCIATION FIRE SCHOOL EVOLUTION RULES

In addition to the rules described for each evolution, the following rules apply to all teams, all evolutions, and all parade participants.

1. Any competing department and team members shall be members of the SDFA and pay an entry fee. Pre-registration shall include proof of workers compensation, or medical insurance and entry fee to be received by the SDFA Secretary at a time determined by the Board before evolution event. Women participating in Auxiliary evolutions must be members of the SDFA Auxiliary. The registration fee is applicable to each team entered.
2. A fire department may have either a five and/or a three member team.
3. Each competing department must have all participating team members attend and complete a full schedule of classes.
4. The eligibility list must be turned in to the SDFA Secretary prior to any evolution or the official parade.
5. Any team found ineligible will not receive points or trophies.
6. Any physical abuse or excessive verbal abuse by any team member, member of their department, or official, to any official of the evolutions, may result in the team being suspended from all competition by judge(s)_action.
7. Departments must have five or three firefighters in the line of march in the official parade; respective of the evolutions they may wish to enter.
8. No participants will be allowed to have or consume alcoholic beverages during the parade or during the evolutions.
9. No participants or fire apparatus will be allowed to discharge water during the parade.
10. Infractions of Rules 7, 8 or 9 will be punished by the member or team being ineligible to receive trophies or class certificates.
11. Any team that is disqualified for any reason will lose all points and will not be allowed to run evolutions at the next State fire school. No team will receive the disqualified team's points. If the disqualified team is in first place in any race, that trophy will be awarded to the second place team. The same procedure will apply to the championship trophy as well.

TROPHIES

A championship trophy will be presented to the department receiving the most total points in competitive evolutions and a trophy will be given the department awarded first place in each of the various evolutions. Points will be awarded as follows: First place - 10 points, Second - 7 points, Third - 5 points, Fourth - 3 points, Fifth - 2 points, Sixth - 1 point. All evolutions must be completed or the contestants will be disqualified and cannot receive points on the evolution. In the event the State Championship ends in a tie, the total official time for all evolutions will be used to decide the Championship. If a tie still exists, an evolution chosen by lottery will be run to determine the championship.

HOSE LAYS AND EQUIPMENT

1. All hose laid in a truck bed must not extend beyond the floor or side of the truck hose bed. (Hose bed to be determined by judges prior to evolution.)
2. Hose shall be laid in hose bed in proper manner as customary in fire departments. (There shall be no twisting of hose). Hose must lay flat in wells or troughs. Hose must be drained of excess water.
3. All equipment such as nozzles, etc. will be placed on the truck. There will be no equipment on the starting line.
4. All caps and pre-connected hoses will be placed on the connections two full turns before the start of the race.

5. No equipment will be furnished by the SDFA or Host Department for evolution practice. Equipment may be used from the Host Department for evolutions if the SDFA sees fit.
6. All truck outlets and inlets will have caps.
7. All evolutions will be run as illustrated except as noted with local conditions per pre-registration form.
8. All five firefighter and three firefighter evolutions using 2 1/2 line must have two firefighters with hands on the line within 15' of the nozzle when it is charged and water is flowing from the nozzle.

PROTESTS

If a team feels they were unfairly judged in an evolution, the TEAM CAPTAIN ONLY may appear before the Board to present a protest, IMMEDIATELY following the evolution. A team can protest on their own behalf ONLY, and cannot protest the judging of another team.

The Board shall act as judges of all contests and appeals.

No races will be run over unless by UNANIMOUS vote of the Board.

GENERAL

1. No judge may participate in the evolutions. Any team running in the same lapsed time including penalties shall run the evolution over at the conclusion of regular running of that evolution of their respective position.
2. The CAPTAIN of the squad shall report to the starter before the start of each evolution and designate as to which member of the squad will act as foreman and will call the "GO" signal.
3. Any questions as to the interpretation of these rules will be up to the Board and their rulings will be final.
4. All evolutions must be completed or the contestants will be disqualified and cannot receive points.
5. ONE and ONLY ONE member per evolution team MUST attend the TEAM CAPTAINS MEETING, or the team will be DISQUALIFIED.
6. All gaskets shall be removed prior to the running of evolutions. Each team is responsible to check their equipment for obstructions prior to the running of their race.
7. The starting line shall run from the curb out for 20 feet. All team members will be straddling the line in an upright position at the start of the race.
8. Protective clothing to be worn in all evolutions: coats, pants, boots, helmet, and gloves according to NFPA Standards 1971 current as to time of equipment manufacture. Auxiliary evolutions need all except boots, but must have ankle protection.
9. No Board member can time his or her team's evolution.
10. Race order will be as follows:
 - Five-firefighter: Ladder/Hose; Window/Hose; Hose; Bursted Length; and Truck.
 - Three-firefighter: Ladder/Hose; Lengthen Hose; Gated Wye; Truck.
11. Three (3) SDFA stop watches will be used and the highest time to be dropped.

PENALTIES

The first thirteen penalties are the same for ALL three and five firefighter races. They will be listed here and not on all races individually. Penalties listed with each race are those that pertain only to that race. ALL penalties will be enforced.

1. There will be no penalties for short couplings, but there will be a ten second penalty for a blown coupling. To be called a blown coupling, the team must lose control of at least one end of the coupling.

Before an evolution can be judged as being completed, team members must leave all connections except nozzles at which time the judges will turn off the water at the source. A 10 second penalty for non-compliance with the above. If any connection blows from the time the target is down until the water is turned off, it will be counted as a blown coupling.

2. Ten second penalty for infraction known as jumping the starter's gun. Said penalty not in effect unless the gun has been fired.

3. Three second penalty for each thrown, dragged, or dropped single coupling and other threaded equipment worked on by the team. Nozzles out of control will be the same as a blown coupling.

4. Three second penalty for dropping any cap other than the hydrant cap, which may be dropped.

5. If a team is not ready to run within five minutes prior to their turn when called by the starter, they may take a turn later, but a ten second penalty will be added to their time in the evolution. (3 minutes setup for 3 firefighter, 5 minutes setup for 5 firefighter.)

6. A member of the Board may, in order to avoid injury to anyone, step in to help maintain or control a nozzle, hose, etc. The race will be valid however; a penalty for equipment out of control will apply in this case. The President of the Association may in cases of extreme water pressure, appoint a safety director to assist all teams to prevent injury to anyone. The Board may interrupt a race if they see fit to avoid injury to anyone.

7. Penalty calls will be designated by dropping a red flag at the time of the infraction.

8. Five second penalty for working any coupling or nozzle after the final target is down.

9. All penalties assessed to a team on the first run of an evolution that is rerun because of equipment failure, shall be carried over to the rerun race.

10. There will be a ten second penalty in any race for improper equipment placement.

11. A five second penalty will be assessed in any and all races for straddling charged line while operating a nozzle.

12. Five second penalty for not keeping two firefighters, where required, on the nozzle when it is charged.

13. Five second penalty for not draining hose of excess water.

THREE FIREFIGHTER EVOLUTION LADDER AND 1 1/2" OR 1 3/4" HOSE COMBINATION EVOLUTION

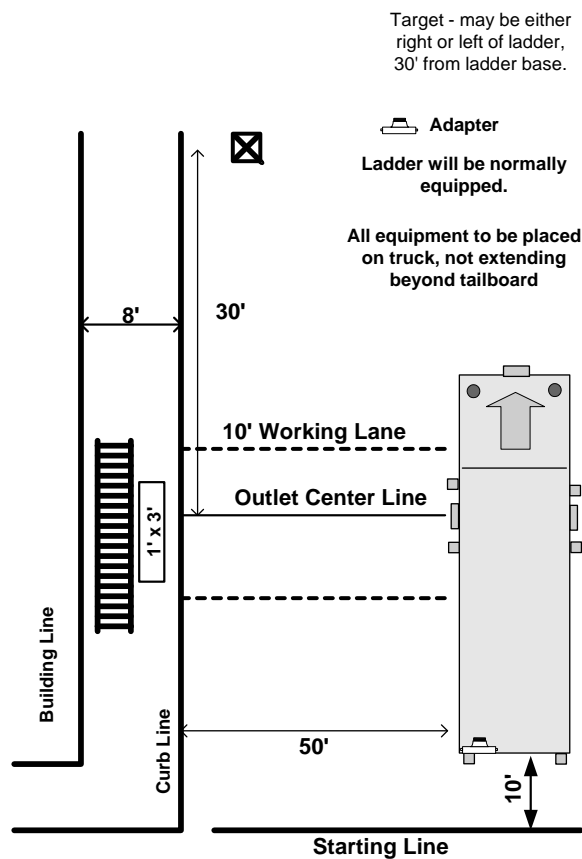
Disconnect and remove from the truck bed, two lengths of 1 1/2 inch hose laid in proper manner as is customary in fire departments (there will be no twisting of hose) with nozzle already attached and in shut-off position. Remove 2 1/2 inch pumper outlet cap and attach 2 1/2 by 1 1/2 inch adapter; two firefighters will raise the 14' roof or straight ladder using a flat or beam raise, ladder to be laying flat on ground parallel with building, center of ladder to be in line with truck outlet, heel of ladder must be placed in designated pre-measured area 1 x 3 feet with one firefighter heeling ladder, from time ladder is placed until evolution is completed.

Working lane shall be 10 feet in width and no work shall be done outside of the working lane. Once inside the working lane and firefighter at the pumper has charged the line, open nozzle and knock down target, which shall be located 30 feet on either side of the base of the ladder. No firefighter shall ascend the ladder, one team member must heel ladder at all times.

Truck shall set parallel to building, approximately 50 feet from base of ladder. Hose must be carried in proper fire department manner and the nozzle shall not be dragged or dropped. The ladder shall not be longer than 16' and will be heeled approximately four feet from the base of the building.

PENALTIES

1. Five second penalty for improper positioning of the ladder.
2. Ten second penalty for not heeling the ladder at all times while evolution is in progress.
3. Ten second penalty for improper handling of the ladder. (Improper lifting = 1 firefighter)
4. Ten second penalty for ascending ladder.
5. Three second penalty for not replacing hose and coupling back in hose bed, or dropping, or throwing the same.
6. Ten second penalty for working on couplings or nozzles outside of the working lane.



THREE FIREFIGHTER AND AUXILIARY EVOLUTION LENGTHENING A HOSE EVOLUTION

100 feet of 2 1/2 inch hose will be laid in two parallel lengths on the pavement with the couplings (male) closest to the hydrant. At the signal from the starter, the team will remove cap from 1/4 turn gate valve, connect one length to the gate on the hydrant, attach nozzle, and knock down first target 75 feet from the hydrant. 'GO' firefighter will then give 'GO' signal after which time they will close gate, remove nozzle, attach second length of hose to original line, attach nozzle, re-open gate and knock down second target 125 feet from hydrant.

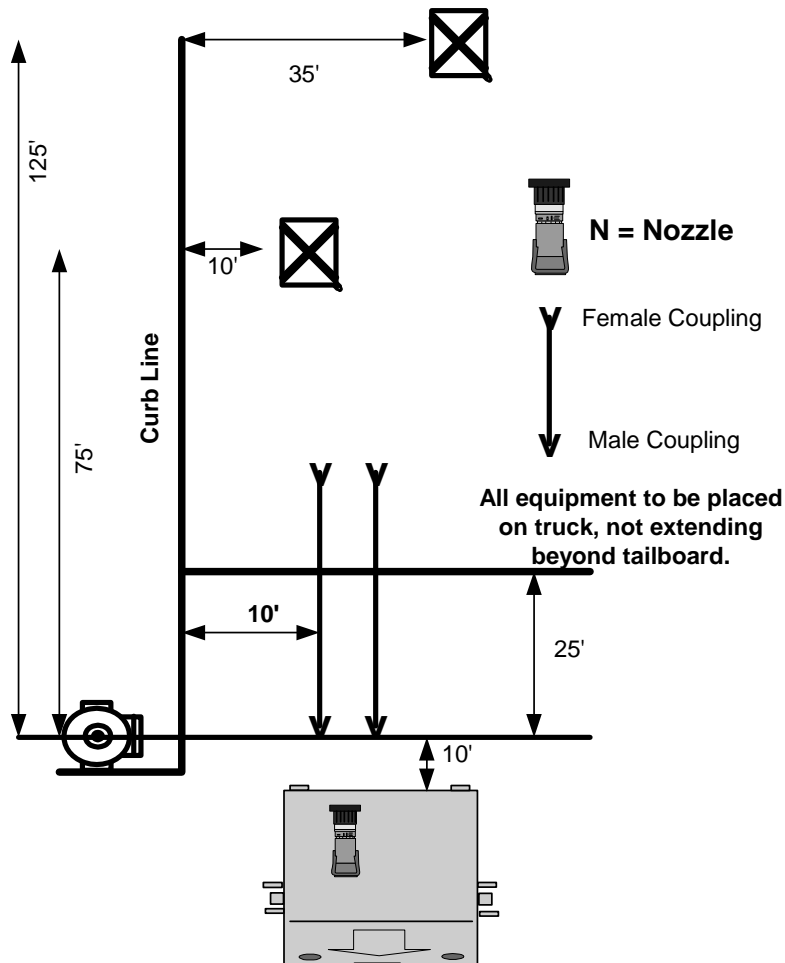
All equipment such as nozzles, etc. will be placed on the truck in any position; there will be no equipment on the starting line. Equipment used: 2 lengths of 2 1/2 inch hose and one service nozzle. Gate will be placed on the hydrant in advance of race in the closed position. 2 1/2 inch line must have two firefighters on the line when it is charged.

Special Note: Auxiliary

Auxiliary will use 1 1/2" or 1 3/4" hose, instead of 2 1/2". Auxiliary will require only one (1) person on hose.

PENALTIES

1. Ten second penalty for jumping the 'GO', or calling 'GO' before the designated time, or 'GO' signal called by someone other than designated firefighter.
2. Ten second penalty for touching equipment to be used after the 'GO' signal, before the 'GO' signal is given.
3. Five second penalty for not having two firefighters within 15' of nozzle at all times when water is flowing from nozzle.



THREE FIREFIGHTER AND AUXILIARY EVOLUTION TRUCK EVOLUTION

Team standing on line 25 feet from hydrant. Truck intake parked approximately nine feet directly opposite hydrant. At start of evolution the suction hose will be in wells or troughs on the discharge side of the truck in extended position with the caps on the truck suction, and hydrant, or gated wye.

The team removes one length (10 feet) of 2 1/2 inch soft suction hose from truck, couples truck to hydrant and opens hydrant. Disconnect and remove two lines (50 feet) of 1 1/2 inch hose from truck bed, laid in proper manner, and couple as customary in fire departments, there shall be no twisting of hose.

Attach 1 1/2 inch lines to a pre-connected uncapped 2 1/2 x 1 1/2 x 1 1/2 inch gate wye. Extend lines and attach nozzle on each line.

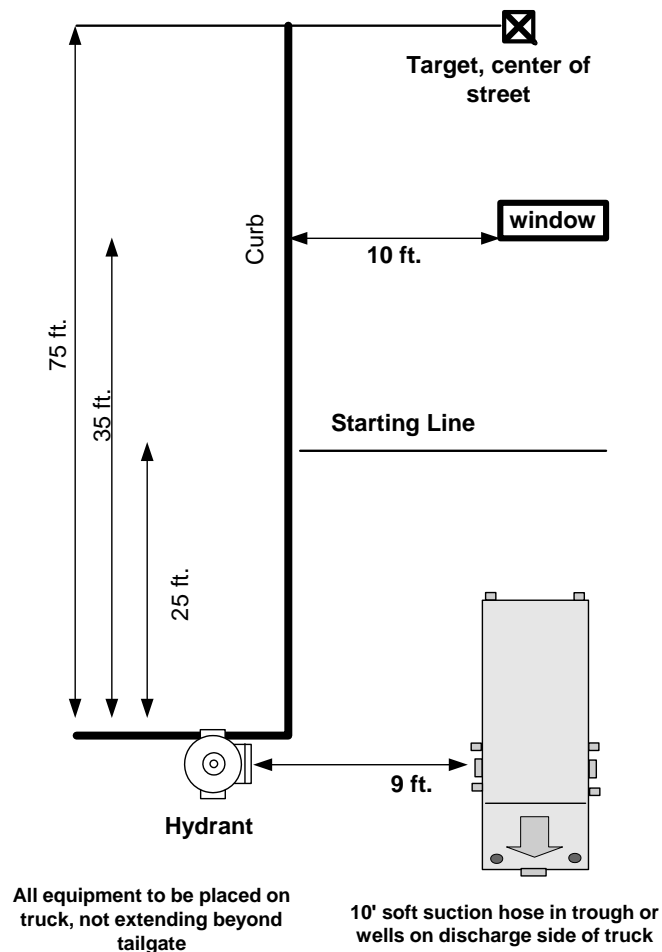
Draw water by opening gated wye, knock down target located 75 feet from hydrant. This target will be close to the center of the street. The other line with fog nozzle attached will be placed through a window located 35 feet from the hydrant. Window will be one foot square in a standard with the lower edge about four feet above the ground. Standard will be 10 feet from the curb.

Time to be called when target is down, nozzle and coupling and complete fog pattern appear through window.

Hose must lay flat in wells or troughs - no dragging of soft suction hose.

PENALTIES

1. Ten second penalty for not opening the gate valve fully (back seated).
2. Five second penalty for not maintaining a full continuous unchanging fire stream until the end of evolution.
3. Three second penalty for not replacing hose and coupling back in hose bed, dropping, or throwing same.



FIVE FIREFIGHTER CHAMPIONSHIP EVOLUTION COMBINATION LADDER & HOSE EVOLUTION

Three firefighters shall remove from truck bed 50 feet of 2 1/2 inch hose, coupled and laid in proper manner as customary in fire departments, (there shall be no twisting of hose), truck set parallel to the building. Remove pumper outlet cap, attach line and nozzle, charge line by opening truck outlet valve. Knock down target located 25 feet from side edge of working lane (team option as to side).

After the target is down, the designated "GO" person shall give the "GO" signal. Line is then shut off at pumper outlet. Remove nozzle, attach 2 1/2 x 1 1/2 inch adaptor, attach 1 1/2 or 1 3/4 inch hose, with nozzle attached and in the shut off position. Hose is stretched and placed through the window located 10 feet beyond first target. Fog pattern must be used when water is turned on at the window.

Two firefighters raise the ladder, using a flat or beam raise. The ladder to be lying on the ground parallel with the truck and inside the designated raising area and the truck. The center of the ladder to be in line with the truck outlet. Heel of the ladder to be placed in the designated, pre-measured area 1 x 3 feet. Set at proper climbing angle with one person heeling the ladder at all times.

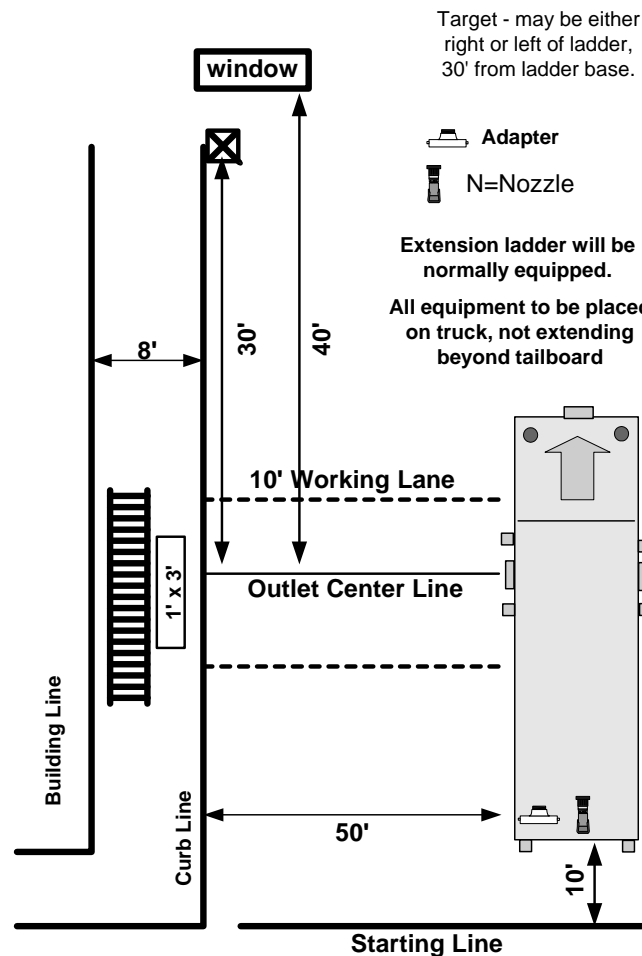
NOTE: 2 1/2 inch hose must be manned by at least two members within 15 feet of nozzle. No person shall ascend the ladder at any time during the evolution. Time to be called when ladder is in position and target is knocked down

The ladder shall not be more than a 16' ladder.

Starting line will be 10 feet back of truck platform adapter and 1 1/2 or 1 3/4 inch hose (donut rolled any style) will be on rear platform. 1 1/2 or 1 3/4 inch hose must be carried into working lane.

Working lane to be approximately 50 feet from base of ladder and 10 feet wide. All work on nozzles and/or couplings must be performed by persons within the working lane.

Penalties for Combination Ladder & Hose Evolution are on Page 13.



FIVE FIREFIGHTER CHAMPIONSHIP EVOLUTIONS COMBINATION WINDOW AND HOSE EVOLUTION

Connect and stretch three lengths (150 feet) of 2 1/2 inch hose; connect one end to hydrant, on other end connect service nozzle, charge line and knock down target located 175 feet from the hydrant. Then the designated person to give the 'GO' signal.

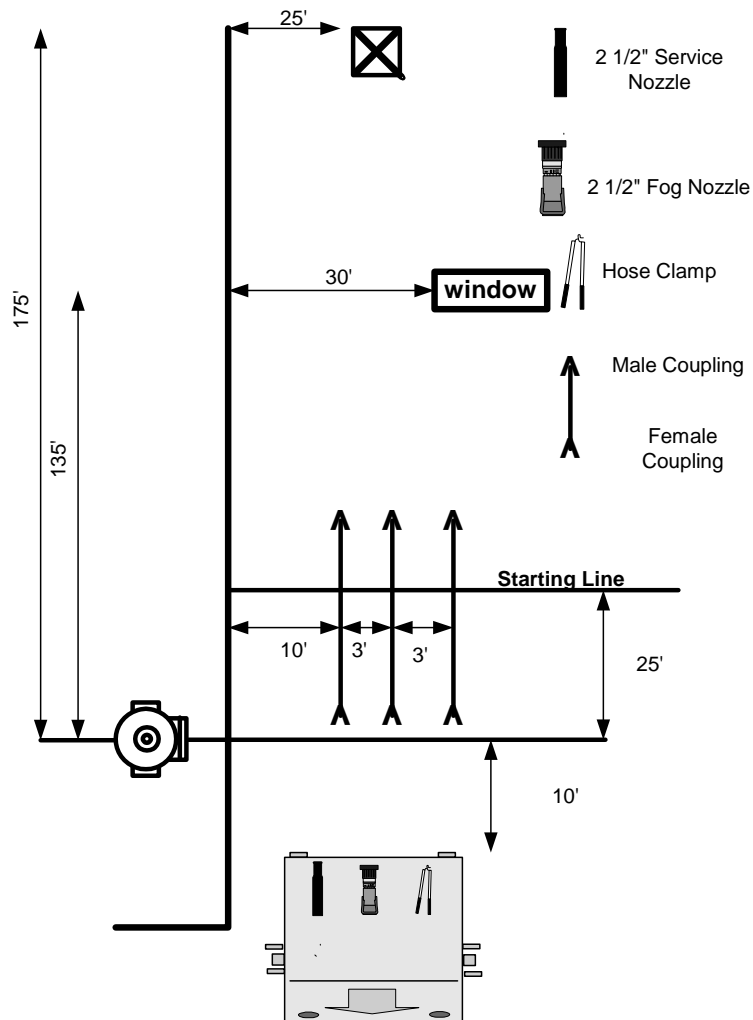
Shut off main line at second length from the hydrant with a hose clamp taken off the tailboard of the truck. Remove service nozzle and attach fog nozzle, draw water. Hose clamp, fog nozzle not to be touched until after the 'GO' signal is given by designated person. Time to be called when fog nozzle and coupling appear completely through window. Window will be 1 foot square in standard with lower edge about 4 feet above the ground. Standard or wall will be set 5 feet from the curb.

The three lengths of hose will be laid parallel to the curb line with the first female coupling 10 feet from the hydrant and each successive coupling 3 feet beyond that.

All equipment cannot extend beyond end of tailboard. There will be no equipment on the starting line.

PENALTIES

1. Ten second penalty for jumping the 'GO', or calling 'GO' before the designated time, or 'GO' signal called by someone other than designated person.
2. Ten second penalty for touching equipment to be used after the 'GO' signal, before the 'GO' signal is given.
3. Ten second penalty for not opening the gate valve fully (back seating).



FIVE FIREFIGHTER CHAMPIONSHIP EVOLUTION HOSE EVOLUTION

Four firefighters connect and stretch two lengths (100 feet) of 2 1/2 inch hose line to either outlet of hydrant and place the single outlet ball valve to the other outlet. Charge line and knock down first target 125 feet from hydrant, the foreman of the team is to give the 'GO' signal. At which time a second line of two lengths (100 feet) of 2 1/2 inch hose shall be connected to the ball valve outlet on the hydrant, stretch line, attach nozzle, and open valve. Full fire stream to be continuously maintained on first line until completion of evolution. Time to be called when second target 125 feet from hydrant is knocked down by second hose stream. Gate and nozzle to be placed on truck in any position.

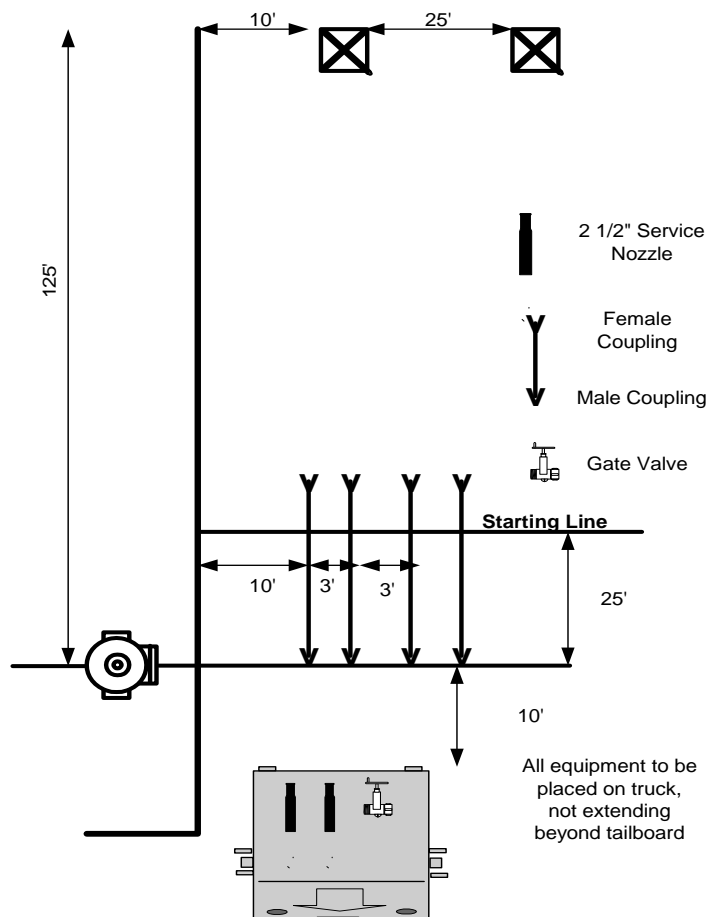
Five firefighters to be used in the evolution, with only four people to lay the first line.

All evolutions using 2 1/2 inch line must have two firefighters on the line when it is charged.

Clarification: the "GO" person maybe a working person and 5th person may "move" on the line after announcement.

PENALTIES

1. Ten second penalty for jumping the 'GO', or calling 'GO' before the designated time, or 'GO' signal called by someone other than designated person.
2. Ten second penalty for touching equipment to be used after the 'GO' signal, before the 'GO' signal is given.
3. Ten second penalty for not opening the gate valve fully (back seating).
4. Five second penalty for not maintaining a full continuous unchanging fire stream until the end of evolution.
5. Five second penalty for not having two firefighters within 15' of nozzle at all times when water is flowing from nozzle.



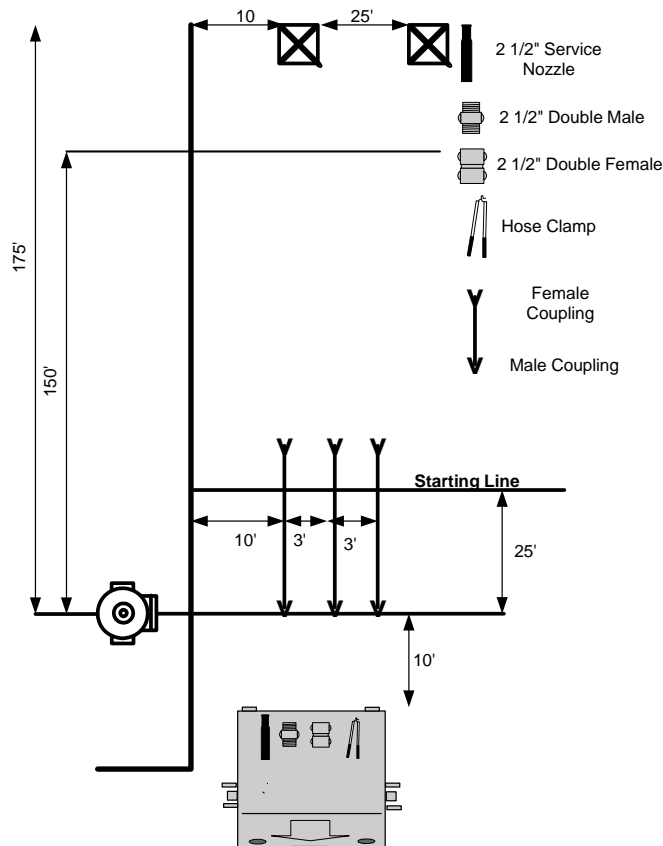
FIVE FIREFIGHTER CHAMPIONSHIP EVOLUTION BURSTED LENGTH EVOLUTION

150 feet of 2 1/2 inch hose will be laid in three parallel lengths on the pavement with the male couplings closest to the hydrant. The first length will be 10 feet from the curb with 3 feet between each of the other lengths. Couplings will be even with the center of the hydrant.

On the start team will connect and stretch the three lengths using a double female on the hydrants and a double male on the nozzle. Two people handle nozzle at all times the line is charged and water flowing. (NOTE: the second person has to be within 15 feet of the nozzle.) Nozzle team will knock down one target located 175 feet from the hydrant. The 'GO' person will then give the 'GO' signal, at which time remove 2 lengths (100 feet) of hose from the hose bed (hose to be connected to dead man hose in bed). Hose to be laid in proper manner customary to fire departments (there shall be no twisting of the hose). This hose may be dragged but not the two end couplings. The second section of hose will be replaced. Clamp the line on the first section of hose from the hydrant, clamp to be no more than 15 feet from the first female coupling, remove the second length of hose and replace it with 100 foot remove from the hose bed. The nozzle team will then knock down the second target located on the other side of the street. At no time will the nozzle or firefighter(s) cross a line 25 feet from the targets. The tailboard of the truck to be positioned 10 feet from a line through the hydrant and 10 feet from the male couplings. The nozzle double male double female hose clamp to be on the tailboard of the truck (no equipment to extend beyond the end or side of the tailboard). Time to be called when second target is down.

PENALTIES

1. Ten second penalty for jumping the 'GO', or calling 'GO' before the designated time, or "GO' signal called by someone other than designated person.
2. Ten second penalty for touching equipment to be used after the 'GO' signal, before the 'GO' signal is given.
3. Ten second penalty for not opening the gate valve fully (back seating).
4. Five second penalty for not keeping 2 people on nozzle at all times nozzle line is charged and water flowing.
- 5 Three second penalty for not replacing hose and coupling back in hose bed, dropping, or throwing same.
- 6 Five second penalty for nozzle or firefighter(s) crossing line 25 feet from targets, at any time.

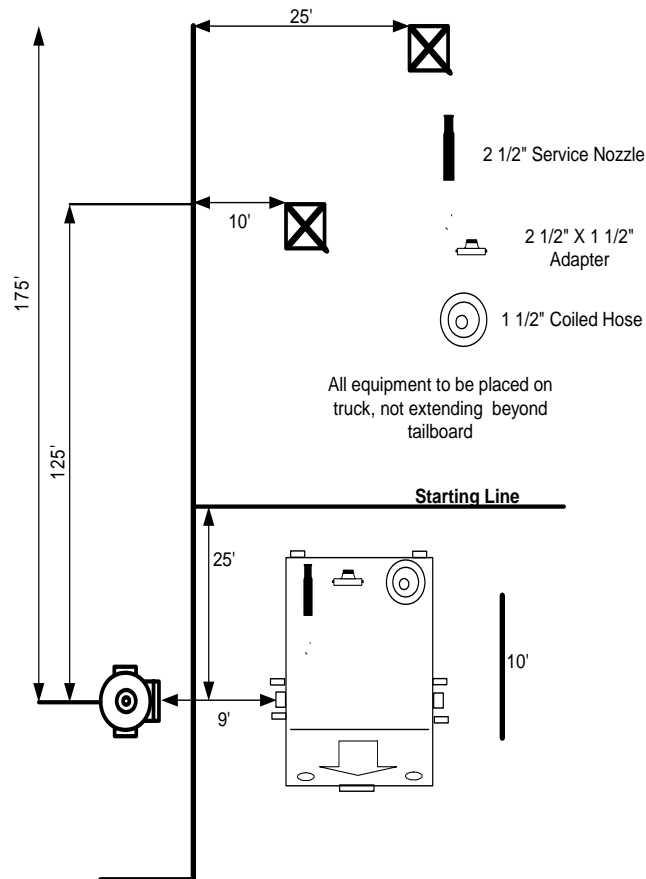


FIVE FIREFIGHTER CHAMPIONSHIP EVOLUTION TRUCK EVOLUTION

Five firefighters standing on starting line 25 feet from hydrant. Truck intake parked approximately 9 feet directly opposite hydrants. At start of evolution the suction hose will be in the well or trough on the discharged side of the truck in extended position with cap on truck suction. The team removes 1 length (10 feet) of 2 1/2 inch soft suction hose from the truck, and couples truck to hydrant. Also uncouple and remove 2 lengths (100 feet) of 2 1/2 inch hose from the truck bed, laid in proper manner customary in fire departments (there will be no twisting of hose). Attach one end to the pumper outlet (the 1/4 turn valve will be in the closed position at the start of the race) and attach fire service nozzle to the other end. Draw water and knock down target located 125 feet from the hydrant. Then the designated 'GO' person will give the signal 'GO'. Team shuts off water at the truck outlet (by use of 1/4 turn valve already attached). Team then removes 1 length (50 feet) of 1 1/2 inch hose (donut rolled in any style) from truck tailboard. 2 1/2 inch by 1 1/2 inch adaptor removed from tailboard and replaces service nozzle disconnected from 2 1/2 inch line; attach 1 length of 1 1/2 inch hose with nozzles already attached. Draw water by opening pumper outlet and knock down target 175 feet from the hydrant. This target to be close to the center of the street. Time to be called when targets are down. Hose must lay flat in well or trough - no dragging of hose. All intake and discharge outlets will be capped.

PENALTIES

1. Ten second penalty for jumping the 'GO', or calling 'GO' before the designated time, or 'GO' signal called by someone other than designated person.
2. Ten second penalty for touching equipment to be used after the 'GO' signal, before the 'GO' signal is given.
3. Ten second penalty for not opening the gate valve fully (back seating).
4. Ten second penalty if the 1 1/2 inch hose is dropped before reaching the end of 2 1/2" hose.
5. Three second penalty for not replacing hose and coupling back in hose bed, dropping or throwing.
6. Five second penalty for not having two firefighters within 15' of nozzle at all times when water is flowing from nozzle.



**FIVE FIREFIGHTER CHAMPIONSHIP EVOLUTION
COMBINATION LADDER & HOSE EVOLUTION**

From page 8

PENALTIES

1. Ten second penalty for jumping the 'GO' or calling 'GO' before the designated time, or 'GO' signal is called by someone other than the designated person.
2. Ten second penalty for touching equipment that is to be used after the 'GO' signal, before the "GO" signal is given.
3. Five second penalty for not keeping two people on the 2 1/2 inch hose within 15' of the nozzle.
4. Five second penalty for improper positioning of the ladder.
5. Ten second penalty for not heeling the ladder at all times.
6. Ten second penalty for improper handling of the ladder.
7. Ten second penalty for ascending the ladder.
8. Ten second penalty for failure of two firefighters to remain on starting line until 'GO' signal is given
9. Ten second penalty for working on couplings or nozzles outside the working lane.
10. Three second penalty for not replacing hose and couplings back in hose bed, dropping or throwing the same.
11. Ten second penalty for dropping 1 ½ or 1 3/4 inch hose outside of working lane.
12. Ten second penalty for complete nozzle coupling not appearing through window.

Revised: January 2008, ~~January 2007~~, ~~April 2005~~