Seattle Fire Department

Hose Loads
**CROSS-LAY (200’/1.75”)**

Connect the female coupling of the 6’-8’ pigtail to the discharge outlet and lay it out the back (A). Start an accordion stack with the male coupling (Nozzle) and continue to load 200’ in a single accordion stack (B). (Note: Keep the coupling out of the middle third of this stack. Having a coupling situated in the middle of this stack lifts the center of gravity of the load, making it more difficult to manage while being carried, especially in larger bundles.) Connect the stacks together (C).
Connect the female coupling to the discharge outlet (A) and start an accordion stack. Create a “dump” bight on the first bight (B). Ensure that this “dump” bight will actually dump the hose and not pull tight on the discharge connection. Continue loading until you reach 50’. Once you reach this point, create a “half-way” bight (C). Continue until you load 100’. Place the male coupling out of the way for the next accordion stack.

Start another accordion stack with the male coupling (D) (Nozzle). Continue until you load 100’ (E). (Note: Keep the coupling out of the middle third of this stack. Having a coupling situated in the middle of this stack lifts the center of gravity of the load, making it more difficult to manage while being carried, especially in larger bundles.) Connect the upper and lower stacks together.

**APARTMENT BUNDLE (200’/1.75”)**

Start an accordion stack with the male coupling (Nozzle) (A) and load 200’ (B). Connect a swivel reducer to the female coupling (C). The whole bundle is tied.
2.5” BULK BED (500’/2.5”)

This configuration addresses the three most common uses of this bed

1). 2.5” attack line beyond 200’.

2). Extended 1.75” beyond 400’.

3). Make up the remainder of a stretch by a later arriving engine company.

This load increases effectiveness with regards to stretching, ensuring that adequate hose is pulled, and ease of loading. The load is set up for offensive use.

The hose load affords engine companies a variety of options to carry or drag bundles in any combination. Though shouldering hose is the primary choice, the ability to maintain a small manageable section of hose if the need to drag arises, based off distance and staffing.

The primary option, OPTION A, requires approximately 25” of width. This can be achieved by removing one stack of LDH and moving the bed dividers. This alteration has minimal impact on the vertical height of the LDH in the hose bed.

OPTION A
500’ total, in 100’ accordion stacks side-by-side

OPTION B
500’ total with 200’ in flat load. 300’ in 100’ accordion stacks on top of the flat load
With **OPTION A**, 500’ of 2.5” hose is stacked left to right in 100’ bundles. The nozzle or male couplings are down.

Each of the 100’ bundles are tied, leaving either one bight free on top, or splitting the bight leaving the top flake untied. The cross-over flake is also left untied in either case.

The bundles are interconnected with the female coupling from the bundle to the left crossing over and connecting to the male coupling on the right. The crossover length of hose should fold under as it comes forward. This prevents a twist in the hose when it is deployed. The final female coupling is left loose at the midpoint of the bundle. It is helpful to connect couplings at the end.

The 25” inch bed leaves about a half inch between the bed dividers and hose on either side of the bed. This configuration, in addition to being more functional, is easier to deploy due to reduced height. There is also a notable advantage in reloading the hose after deployment.

**Finished 2.5” OPTION A bulk bed.** The loaded hose bed. 500’, left to right. 100’ tied stacks, with the couplings at the front for easy of connection / disconnection
OPTION B is for the engines that don’t have 25” of space as required for option A, even if they narrow the LDH bed. This load requires approximately 18” of width. This load is the least desirable option.

Option B is a 200’ flat load with (3) 100’ bundles stacked on top in the same fashion as option A. The 200’ flat should have marker bights every 50’.

This load is not as effective at stretching, as there is no “carry” option for the bottom 200’. In addition, it does not load as clean in the hose bed.

This loads starts with the female coupling down, on the right side of the bed. Using a flat load starting on right and working left, load 200’ of 2.5”.

Take the final male coupling out the front of the hose bed and begin loading 300’ of 2.5” stacked left to right in 100’ bundles.

The nozzle, or male couplings, are loaded down. Each of the bundles are tied with one of two options we will discuss below.

You can label each 50’ ear with duct tape designating the length, to make them clear.

Load each 100’ accordion stack on top. Connect flat load to last 100’ accordion stack.
In both **OPTION A** and **OPTION B**, each 100’ shoulder stack is tied. This aids in the stretch and keeps the hose neat, even if it’s being dragged. You can tie inside the top bight or below the top bight. You want some wiggle room between each shoulder bundle. If it’s a long stretch, this space keeps the two firefighters from pulling on each other. Tie as you go. It’s easier. And keep your tie ropes long. So you can reach and release the tail from the ground, if needed.

Finished 2.5” **OPTION B** bulk bed.

Tied **inside** bight.  

Tied **below** bight.
**SKID/UTILITY LOAD**

(100’/2.5” Bundled x2)

Start with the male coupling and begin an accordion stack at desired length for 100’. Bundle the stack and store it for deployment.

**HIGH-RISE BUNDLES**

(200’/2.5” Bundled x4)

Start with the male coupling and begin an accordion stack at desired length for 50’. Tie it in three places. Make four separate bundles.

**SUPPLY** (1000’/5”)

Start with the male coupling on the bottom left (A) (Note: 4” to 2.5” reducer is attached to increase intake connection options). Flat load 1000’. Connect hydrant connections.
**SEATTLE FIRE DEPARTMENT**

**REAR HOSE BED CONFIGURATION**

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**2.5” High-Rise**
200’ of 2.5” hose in 50’ bundles for high-rise fires. Nozzle section has 1-1/8” SB nozzle. All bundles will have three tie ropes.

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**2.5” Bulk Bed**
500’ of 2.5” hose loaded in 100’ stacks with 1-1/8” SB nozzle. All stacks are tied individually to aid in stretch. Each stack starts with the male coupling and hose is loaded vertically (accordion) then connected to the stack to its right. Last female coupling remains unconnected.

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**Apartment Bundle**
200’ of 1.75” hose with nozzle and swivel reducer. All 200’ are tied together.

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**2.5” Blitz Line**
200’ of 2.5” hose with 1-1/8” SB nozzle pre-connected to engine. 100’ shoulder accordion load (tied) and 100’ drag with bights to clear bed and another at 50’.

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**Skid Load**
200’ of 2.5” high-pressure hose for FD connections. Loaded in two 100’ stacks, male coupling down. Each stack is tied.

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**4” Supply Line**
500-700’ of 4” hose depending on neighborhood. Hose is connected to tri-gate wye (manifold). When used as supply line, driver will disconnect from tri-gate, connect to hydrant and then use double female to connect male end to intake. When using tri-gate (manifold) to set up multiple attack lines, the driver will connect free male end to rear LDH female discharge.