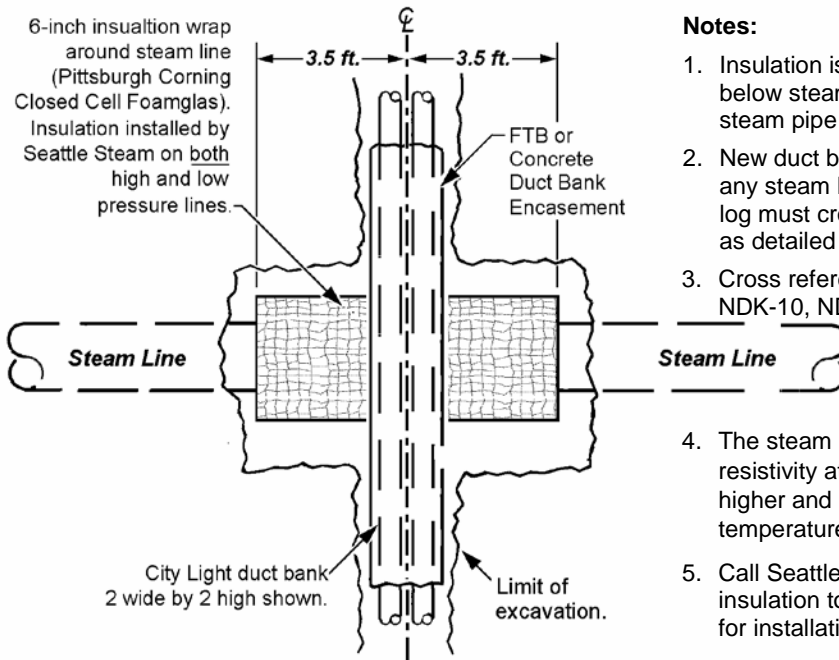


Insulation Detail for City Light Duct Banks That Cross Steam Lines



Notes:

1. Insulation is required when duct banks are above or below steam lines. Call Network Engineering to review steam pipe impacts.
2. New duct banks shall be built a minimum of 15 feet from any steam log. In the event that a duct bank and steam log must cross each other, insulation shall be installed as detailed here.
3. Cross reference Network Construction Guidelines NDK-10, NDK-30, NDK-40, and NDK-50.
4. The steam line insulation shall be designed to a thermal resistivity at nominal temperature of 1,600° C-cm/W or higher and minimally not less than 1,250° C-cm/W at pipe temperatures of 180° C.
5. Call Seattle Steam for installation lead-time. All insulation to be installed by Seattle Steam. Lead-time for installation orders may require up to two weeks.

Figure 1. Plan view

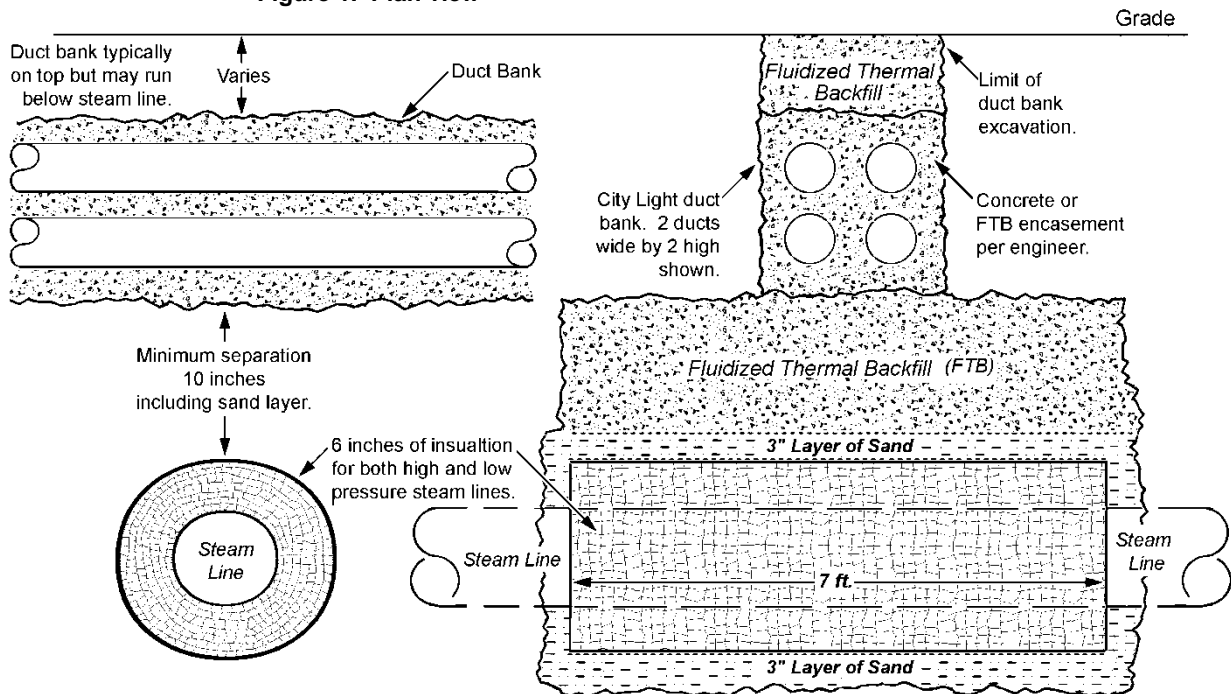


Figure 2. Elevation

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