

CITY OF TUKWILA

3 FIRE STATIONS REPLACEMENT - GCCM

1. What is the square footage of the existing 3 fire stations that are to be replaced?

FS 51 = 16,000 sf (new FS 51 = 9,426 sf)

FS 52 = 3,400 sf (new FS 52 = 15,068 sf)

FS 54 = 5,400 sf (new FS 54 = 9,278 sf)

Total FS Existing = 24,800 sf (New FS Total = 33,772 sf)

2. Please explain what 'hot' and 'cool' zones are. See page 1 of the application.

The "hot", "warm" and "cool" zone terminology is used in the fire service to denote areas with varying levels of contamination, typically by toxins brought into the station after a fire event or other emergency. Fire fighters experience a much higher rate of cancer due to contamination exposure.

The apparatus bay, where vehicles and fire fighters first re-enter the station, would be considered a "hot" zone. Living spaces, which should be fully protected from contamination by a combination of cleaning and quarantining procedures, as well as mechanical system separation, would be "cool" zones. "Warm" zones are transition areas.

The EPA website also has an excellent explanation of the three terms:

<https://www.epa.gov/emergency-response/safety-zones>

Due to the technical aspects of fire station operations and the health and safety of the fire fighters, GC/CM's expertise with complex mechanical, electrical, plumbing systems would be key to the success of this project and allow for continuity of systems among the three stations.

3. Do you plan to use a prototype for the common elements of the 3 fire stations?

Yes – the design team will develop both a common architectural/structural language and common MEP/FP strategies for all three stations, generating a "family" of buildings that create a strong civic presence for the City of Tukwila and are efficient for the City's maintenance staff to support. However, since all three stations will be located in very different areas of the city and serve varied populations, the design of each will be tuned to better represent their respective locations.