1. Roof mounted condensers.
2. Quantity needed / tonnage.

2 slim heat pumps (CARRIER 25HHA4) (5 ton) on flat roof and 1 on ground level. Final equipment size to be determined based on manual J calculations.

1. All in one (condenser / air handler) exterior unit?

Roof top all in one units are not typical for residential applications due to insulation, vibration/noise, and clearance requirements.

-Typical 5Ton RTU would require 7’ X 5’ 6” clearance.

1. Reduce size and quantity of chases.  Also depends on TJI v. open web

Quantity of chases depends on floor framing and soffits provided. Once structural is available, final size and quantity of chases can be determined.

1. Mechanical Room ventilation

All exhaust fans on the basement level would require a chase all the way up to the roof. Supply fan can be provided for mechanical room make up air sized based on mechanical equipment in the room.