HVAC Simplified Approach Option

Part I, 1 of 1

Project Name:	
Project Address:	Date:
City:	Zip:
HVAC System Designer of Record:	Telephone:
Contact Person:	Telephone:

Qualifications

❑ Yes ❑ N/A The building is two stories or less in height and has a gross floor area is less than 25,000 ft^2 (22,300 m^2), and

❑ Yes ❑ N/A All HVAC systems comply with Section 6.3.2.

Requirements

❑ Yes ❑ N/A (a) All systems serve a single HVAC zone.

❑ Yes ❑ N/A (b) The equipment meets the variable airflow requirements of Section 6.5.3.2.1.

❑ Yes ❑ N/A (c) Cooling (if any) is provided by a unitary packaged or split-system air conditioner that is either air-cooled or evaporatively cooled and meets the efficiency requirements shown in Table 6.8.1. List equipment in the table below.

❑ Yes ❑ N/A (d) All HVAC systems meet the economizer requirements of Section 6.5.1.

❑ Yes ❑ N/A (e) Heating (if any) is provided by a unitary packaged or split-system heat pump, a fuel-fired furnace, an electric resistance heater, or a baseboard system connected to a boiler. Hydronic heating, if used, serves a single zone. All heating equipment meets the efficiency requirements of the Standard. List equipment in the table below.

❑ Yes ❑ N/A (f) The HVAC systems meet the exhaust air energy recovery requirements of Section 6.5.6.1.

❑ Yes ❑ N/A (g) All HVAC equipment is controlled by a manual changeover or dual-setpoint thermostat.

❑ Yes ❑ N/A (h) Heat pumps equipped with auxiliary internal electric resistance heaters (if any) either have controls to prevent supplemental heater operation when the heating load can be met by the heat pump alone and the outdoor air temperature is above 40°F (4.4°C) or are regulated by NAECA and meet the requirements of Table 6.8.1-2.

❑ Yes ❑ N/A (i) The system controls do not permit reheat or any other form of simultaneous heating and cooling for humidity control.

❑ Yes ❑ N/A (j) Systems are provided with a time switch that (1) can start and stop the system under different schedules for seven different day types per week, (2) is capable of retaining programming and time setting during a loss of power for a period of at least 10 hours, (3) includes an accessible manual override that allows temporary operation of the system for up to 2 hours, (4) is capable of temperature setback down to 55°F (13°C) during off hours, and (5) is capable of temperature setup to 90°F (32°C) during off hours.

- ❑ Yes ❑ N/A Exception: System serves hotel/motel guest rooms.
- ❑ Yes ❑ N/A Exception: System operates continuously.
- ❑ Yes ❑ N/A Exception: System has both a cooling or heating capacity less than 15,000 Btu/h (4.4 kW) and a supply fan motor power greater than 0.75 hp (0.56 kW).

❑ Yes ❑ N/A (k) Systems serving hotel/motel guest rooms shall comply with the requirements of Section 6.4.3.3.5, Automatic Control of HVAC in Hotel/Motel Guest Rooms.

❑ Yes ❑ N/A (l) Piping is insulated in accordance with Tables 6.8.3-1 and 6.8.3-2. Insulation exposed to weather is suitable for outdoor service. Cellular foam insulation is protected from water and solar radiation.

- ❑ Yes ❑ N/A Exception: Piping is located within manufactured HVAC units.

❑ Yes ❑ N/A (m) Ductwork and plenums are insulated in accordance with Tables 6.8.2-1 and 6.8.2-2 and sealed in accordance with Section 6.4.4.2.1

❑ Yes ❑ N/A (n) Construction documents require air systems to be balanced in accordance with industry-accepted procedures.

❑ Yes ❑ N/A (o) Outdoor air intake and exhaust systems meet the requirements of Section 6.4.3.4.

❑ Yes ❑ N/A (p) Where separate heating and cooling equipment serve the same temperature zone, thermostats are interlocked to prevent simultaneous heating and cooling.

❑ Yes ❑ N/A (q) Systems with a design supply airflow greater than 10,000 cfm (5,000 L/s) have optimum start controls.

❑ Yes ❑ N/A (r) The systems comply with the demand control ventilation requirements in Section 6.4.3.8 and the occupied standby controls in Section 6.5.3.8.

❑ Yes ❑ N/A (s) The systems comply with the door switch requirements of Section 6.5.10.

Equipment Efficiency

System Tag(s)	Mfg. & Model No.	Equipment Type	Heating			Cooling				
			Rated Capacity	Rated Efficiency	Minimum Efficiency	Rated Capacity	Rated Efficiency	Minimum Efficiency	Air-side Econ? *	Econ. Min. Efficiency

* Y, N/A, or exception #