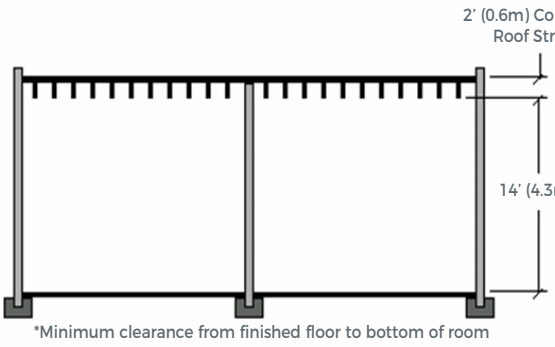
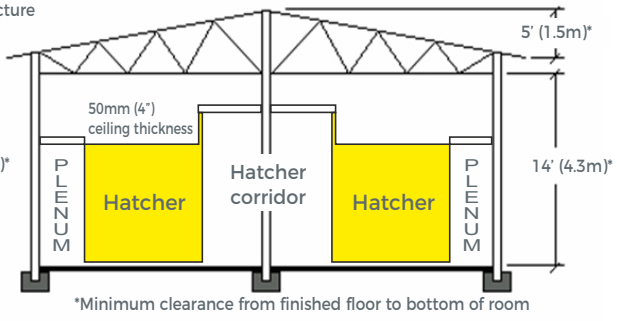
General Hatchery Recommendations

CEILING HEIGHTS AND HATCHERY WALLS

Hatchery ceilings should generally be limited to hatcher and setter rooms, plenums and personnel areas. Interior walls should have a smooth durable surface suitable for frequent washing, be strong enough to withstand considerable abuse and provide an airtight seal between rooms. Concrete block finished with pore filler and epoxy paint is a good option, but periodic painting is required. A much more effective finish would be concrete block covered with glazed tiles. Many hatcheries make use of insulated panels covered with metal or plastic which provides good sanitation combined with very low maintenance. For setter and hatcher room ceilings and hatcher plenums the ceiling should be a minimum thickness of 100mm (4").



Flat Roof Hatchery



Pitched Roof Hatchery

Typical setter room corridor ceiling heights*: Classic series - 3.030m (9'11-1/4"), Avida series - 2.834m (9' 4")

Typical hatcher room corridor ceiling heights*: CM Hatcher - 2.834m (9' 4"), Classic CVH Hatchers - 2.430 (8')

Typical personnel room ceiling height: 2.25m (7' 6")

* When using laminar ventilation systems, false ceiling heights should be 3.5m to accommodate the lateral discharge grills.

RECOMMENDED ROOM AIR REQUIREMENTS

	Degrees C	Degrees F	Relative Humidity
Egg holding and handling areas	16 - 17	60	75%
Hatcher rooms	25 - 26	77 - 79	50 - 60%
Multi-Stage Setter rooms	25 - 26	77 - 79	50 - 60%
Single-Stage Setter rooms	25 - 26	77 - 79	40%
Chick handling and holding areas	24 - 26	75 - 79	65-70%

Single Stage Setter room = 4 cfm (6.8 cu metres/Hr) per 1000 eggs set
Multi-stage Setter room = 3 cfm (5.1 cu metres/Hr) per 1000 eggs set
Hatcher room = 15 cfm (17 cu metres/Hr) per 1000 eggs set
Chick Handling/Holding = 16 cfm (27.2 cu metres/Hr) per 1000 eggs set

Note: If your system relies on single Air Handling units that supply multiple rooms then your room ventilation requirement will be a maximum of 66.6% of 4 cfm (or 2.64 cfm) per 1000 chicken eggs set.

If you are using individual Air Handlers per room then you should base you ventilation requirement on 4 cfm.

Excess air supplied must be allowed to pass freely to exhaust aperture.