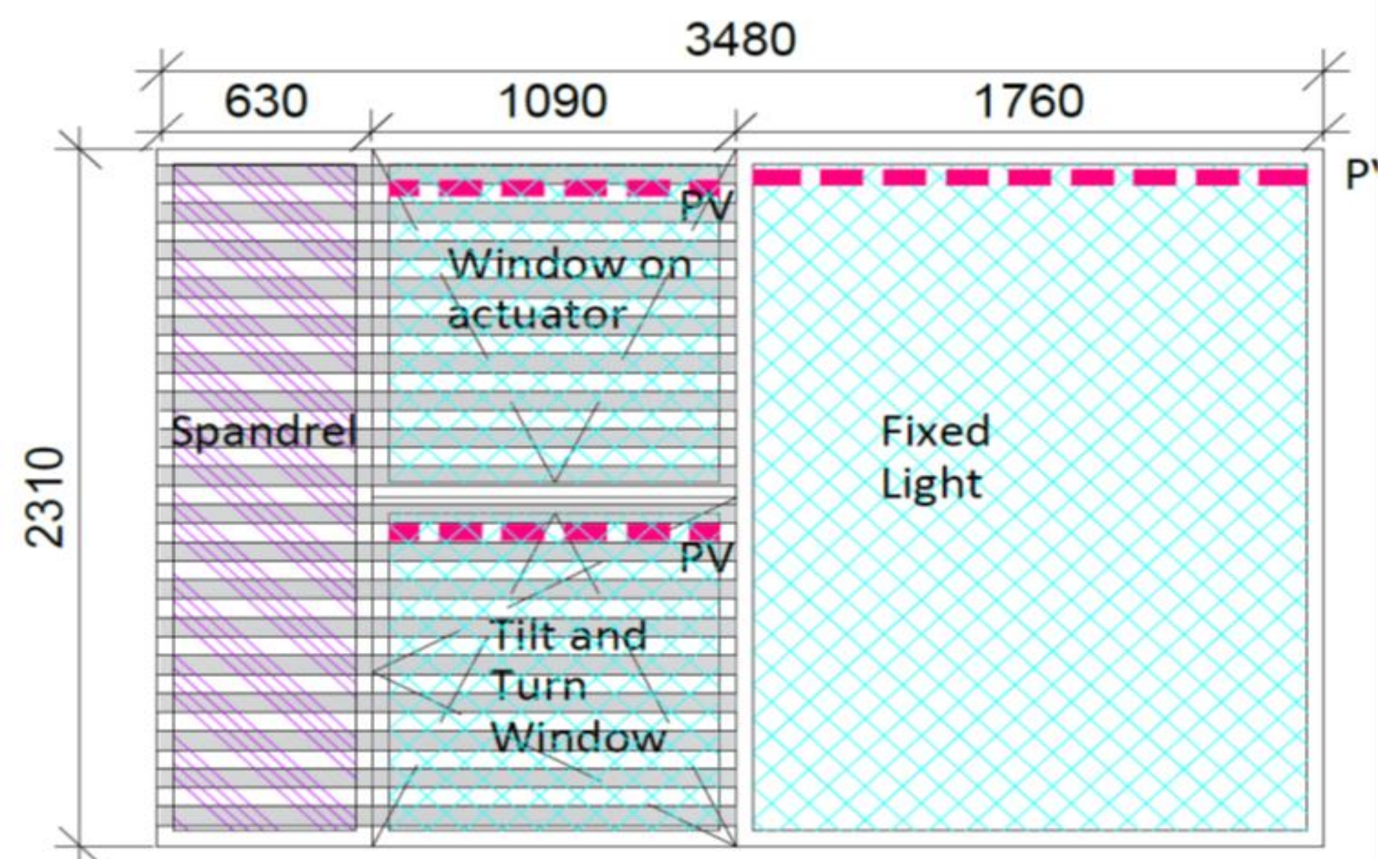


The Slievenamon Unit, built in 1960, is now an A3 rated 33 bed acute facility at Tipperary University Hospital.

## Natural Ventilation Strategy

The decision was taken early in the Design Phase to utilise Natural Ventilation. To mitigate the overheating risk of the South facing building with significant glazing, the following strategy was adopted:

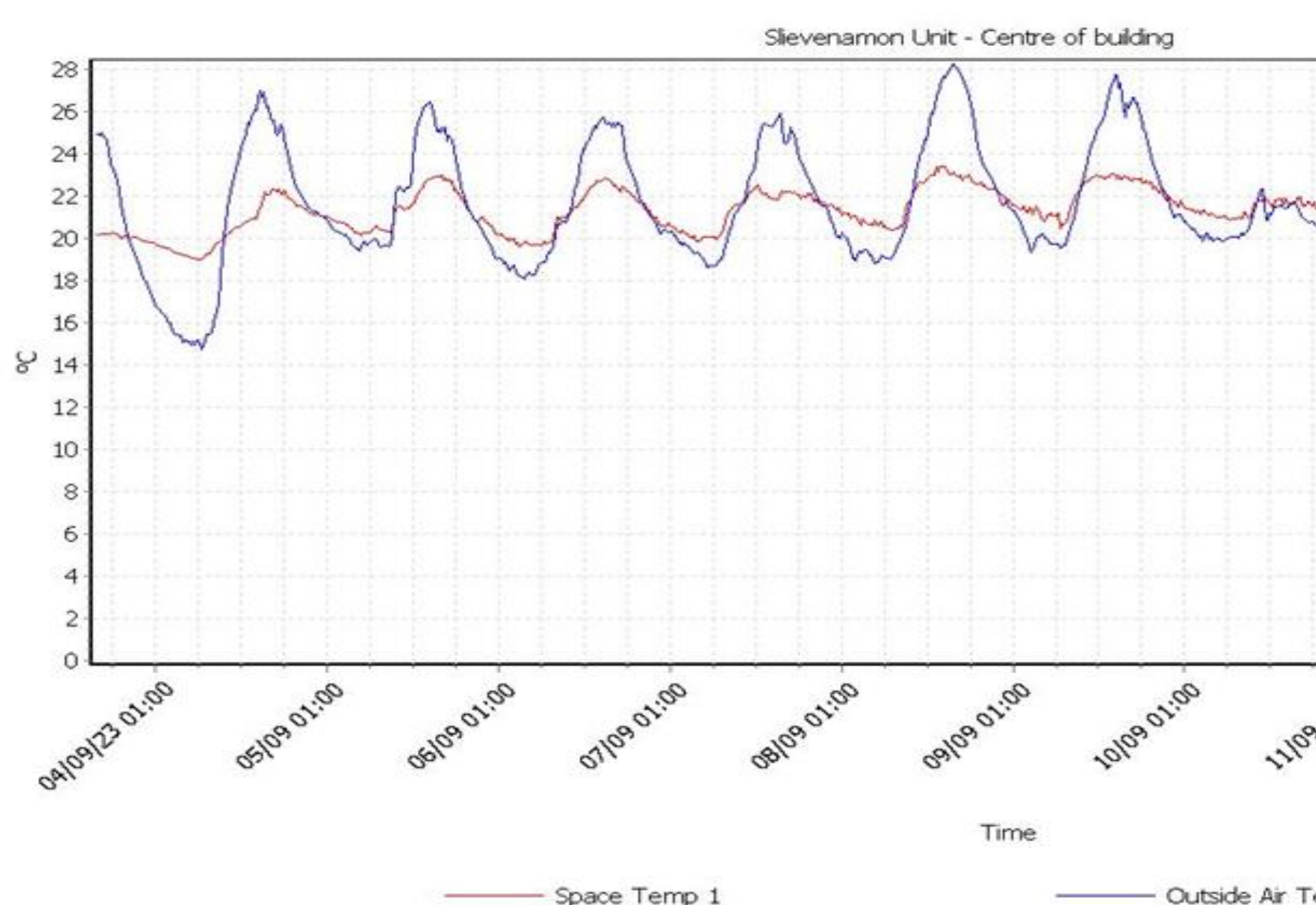
- High ceilings in the wards 3.2m floor to ceiling.
- Addition of a high level opening window section with automatic actuators controlled from a room temperature sensor.
- Manual tilt & turn fully opening window section at low level.
- A solid fixed louvre on the outside of the opening section for H&S compliance.



## Outside Air vs South Facing Ward Temperatures

Rooms remained at 21°C during periods when the outside air temperature was up to 28°C.

The building remained cool and comfortable throughout this hot spell.



Datalog Name	Maximum Value	Time of Maximum	Minimum Value	Time of Minimum	Average Value
Space Temp 1 [Y]	23.41	15:30:00 08/09/2023	17.93	09:30:00 13/09/2023	20.78
Outside Air Temp [Y]	28.24	16:45:00 08/09/2023	11.75	07:30:00 13/09/2023	20.05