

Building Type

Mixed Use Retail & Residential

Architect / Owner

Dar Al Omran / Wasl

Project Highlight

- Plot Size : 18,912 m²
- BUA > 22,982 m² + 5,182 m² parking
- 2,521 KW of cooling excluding ventilation
- 4 FAHU's providing approx. 13,000 L/S of fresh air after energy recovery from toilet extract.
- 340 KW of fresh air load
- 330 individual temperature control zones

Completion

Design completed 2019



This “falcon” inspired iconic mixed use development for Wasl has the MEP systems designed by Mario Associates.

Client requirements of functional, easy to use & maintain, MEP systems with flexibility for the retail utility requirements, whether a F & B or jewelry store, were required to be provisioned.

Common facilities for residence employed sustainable reuse of collected condensate.

Ventilation system designed for ensuring no cooking smells permeating out to common corridors of building. A total of approx. 13,000 L/S of fresh air continuously supplies conditioned and dehumidified air to each apartment and retail. General and continuous toilet extract provides high rate of energy exchange thus high IAQ achieved with little or no energy waste.

A VRF system provides individual room comfort control and individual metering of apartments and retail.