Located in Gzira, the Empyrean Tower embraces a total of twenty-four distinguished floors. The pan-ultimate scope of such a building is to essentially provide for an abundance of centralized office space distributed over twenty-two floors. The vertical building core is accordingly serviced by lift shafts, fire escape routes as well as all the necessary sanitary facilities. Furthermore, this multi-storey building encompasses a double height commercial space spanning a total gross footprint of 1600m2 comprising also of an intermediate floor. The underground levels of this development consist of a three-story basement car park which implements a two-way searching scheme with a view of facilitating vehicle traffic and congestion. <br>

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The structural system of choice is that of a shear wall system, since it has been proven to be the most efficient structural system available in terms of height for a multi-storey building. In terms of structural systems, a steel frame and a composite slab system have been deemed to be the most appropriate of options. This selection essentially emerged due to the fact that composite slab systems are designed for rapid installation of flooring and also further facilitate lower mass buildings with long clear span composite concrete floors. The aforementioned similarly decreases the gravitational loads and also minimizes the floor to floor height which may essentially save up to an approximate 5% of the cladding cost. <br>

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A further advantage of utilizing steel frames and composite slab systems of construction is the fact that they provide for a straight-forward erection procedure thus reducing the overall time-frame of the project. In turn, this will correspondingly increase financial savings on on-site management resulting in an early return on investment and hence reduced interest charges.