

The Castings - Aviation Lighting Statement



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1 INTRODUCTION

The project, The Castings, will comprise of a new 25 Storey build residential scheme with 352 apartments ranging from studios to three-bedroom units. Its total residential area will take up 219,600 sq. ft.

The building includes 20 car parking spaces and storage for 350 bicycles.

The basement level will be a plant area, with car parking. The ground floor will comprise commercial units, concierge/management facilities, refuse store and residents entrance area.

This document has been produced to provide evidence that the aviation lights shall not provide light pollution to the occupants of the building.

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2 AVIATION LIGHTING

The aviation lights to be mounted at the top of The Casting are to provide building mounted obstruction lighting system to comply with international civil aviation organisation strictly to ICAO annex 14 standards - 8th edition, to fulfil CAA & EASA requirements.

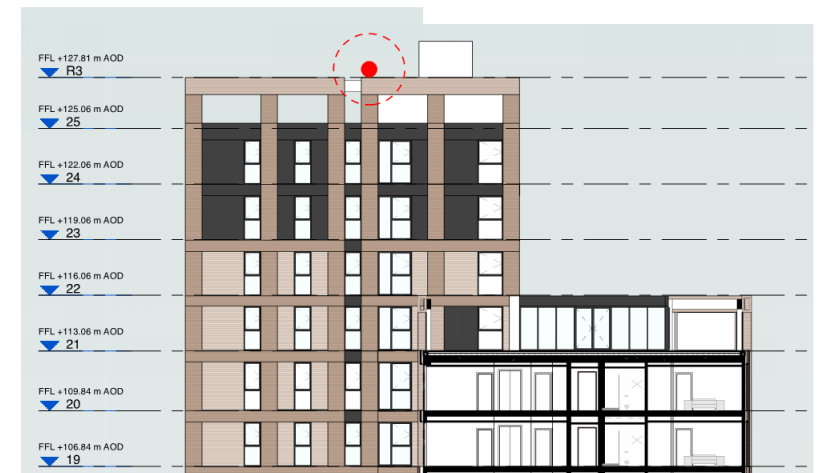
Upon completion, Victoria House will be the highest building as can be seen, but as noted later in his report there are neighbouring properties that will, also, be up to 25 floors.



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2.1 LOCATION OF AVIATION LIGHTING

The 2 No aviation lights are to be located as indicated on the following elevations. i.e. at the highest point of the building



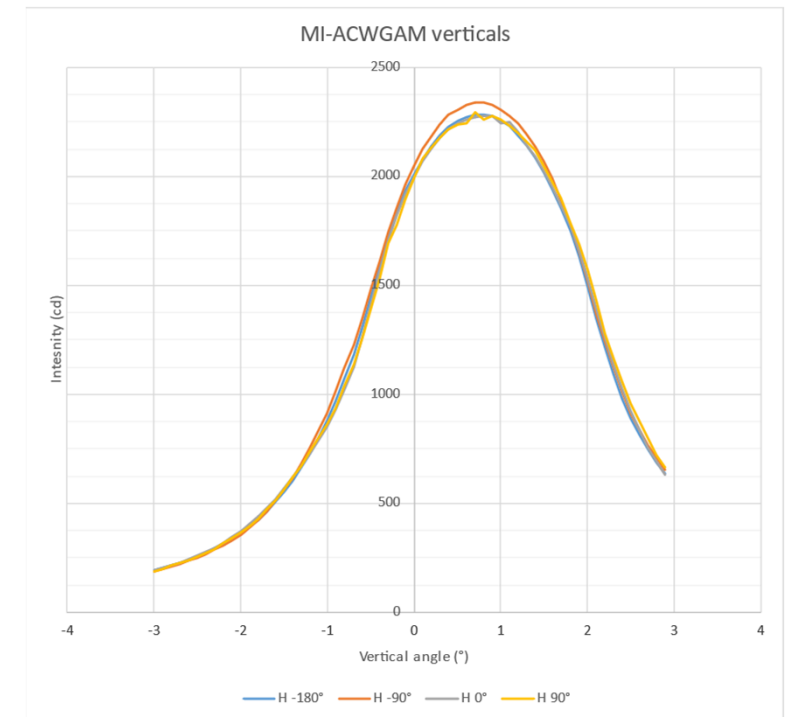
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2.2 BEAM SPREAD

Aviation lights omit light horizontally. As a result, there will be no direct impact to the neighbours at roof level, this is demonstrated by the following images.

Detailed Beam Spread.

Aircraft warning lights have a 360-degree horizontal beam spread and a narrow vertical beam spread, typically between 4 and 10 degrees. This means that the light beam is spread out evenly in all directions horizontally, but it is focused more narrowly vertically, like a ring.



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2.3 ADJACENT PROPERTIES

The Castings is located on the neighbouring plot to Victoria House.
Attached image to reflect the position of The Castings (Plot E) and Victoria House (Plot F).

The anti glare attachment can be installed on the aviation light that will prevent any light pollution into the existing properties.

2.4 CONCLUSION

As a result of the location of the aviation lights, and the horizontal beam spread as proven from manufacturers technical details, the installation of these lights shall not have any adverse impact on residents, and there are remedial measures that are available should any future developments be affected.

