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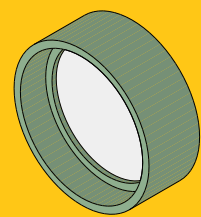
SEVEN SISTERS / EADE ROAD

CIRCULAR WINDOW STUDY

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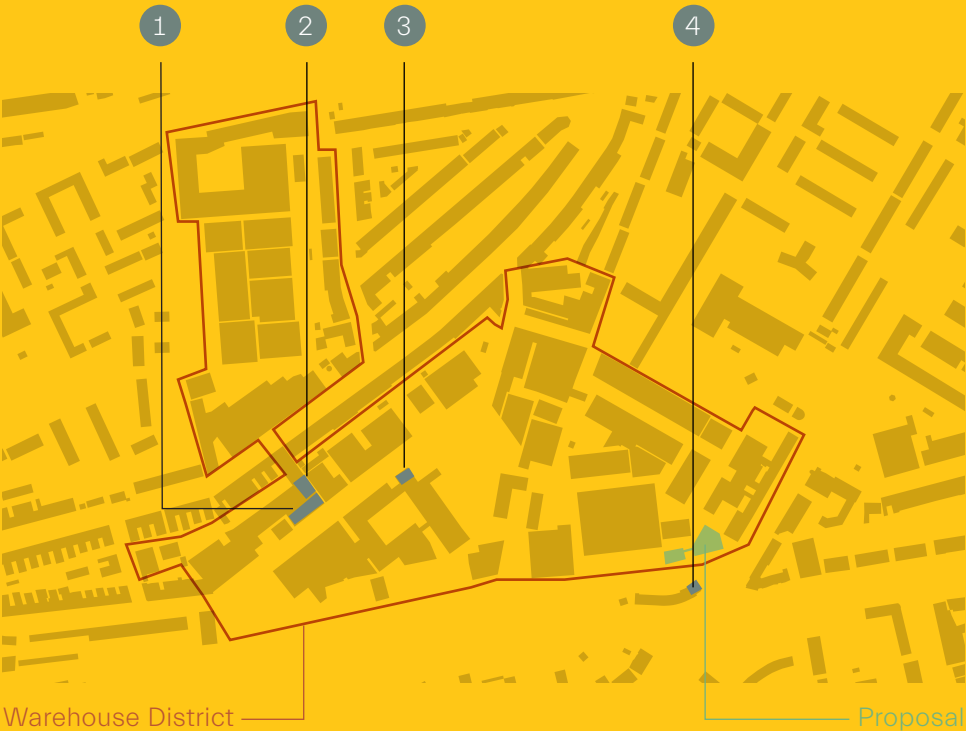
01. North East Corner Facade

Contextual Circular Elements



The Warehouse District is characterised by industrial materials, motifs and shapes.

Existing Warehouses and residential buildings in the area share the circular windows. The windows refer simultaneously to its industrial context and as an architectural motif introducing a different memorable internal experience for users.



1 Facade Decoration - Vale Road



2 Salt & Pepper Offices / Warehouses



3 Daytona MOT Centre



4 Vivian House - Eade Road

01. North East Corner Facade

Circular Window Precedents

The followings precedents represent the range of uses of the circular window, both in the UK and beyond. They also show how its duplication can animate a facade and elevate an internal space compared to the typical rectangular window.

The intent is to use the round window as a backdrop to the kitchen. This will provide a memorable experience for those in the kitchen, which provides a consistent architectural gesture externally on the facade.



House RR - Norell (Granlund and Kvarnsjon, Sweden)



Louis Kahn - Sher-e-Bangla Nagar (Dhaka, Bangladesh)



Daubeney Road - Al-Jawad Pike (Hackney, UK)



Casino Di Venezia - Ca' Noghera (Venice, Italy)

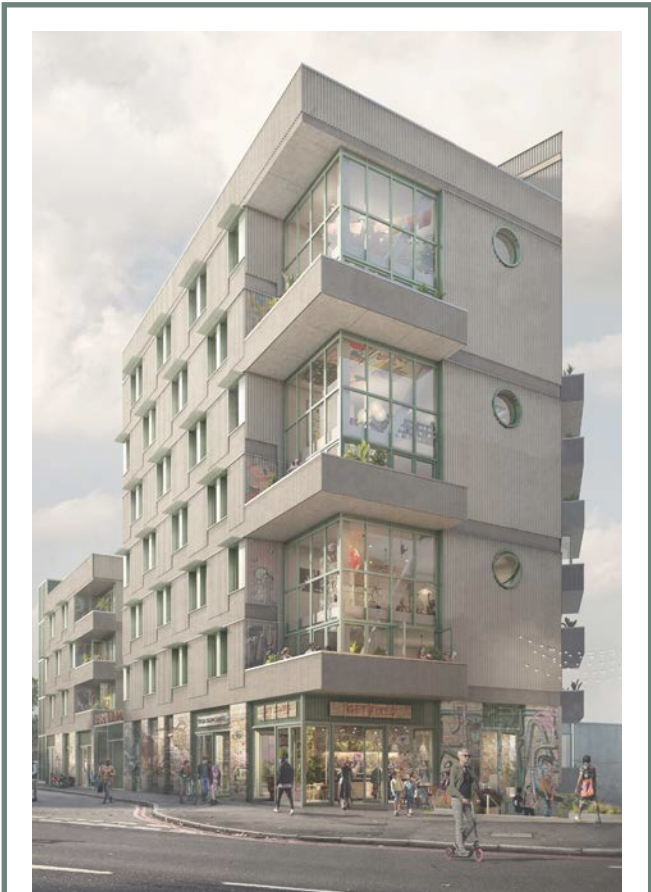
01. North East Corner Facade

Circular Window Studies

As part of the design process we tested alternative options for the facade.

Through the design process we determined that the circular windows add interest to this facade and reflect the alternative uses of these communal spaces whilst also having a relationship to the industrial and reference to circular windows in the area.

- 1 Circular Windows**
Current proposal with circular windows on the double band corrugated facade.
- 2 Wrapped Around Windows**
Bedroom window layout wraps itself around the North East Corner. A continuous effort to repeat and support the South facade rhythm. (Not meeting limiting glazing requirements)
- 3 Square Feature Windows**
An architectural gesture not familiar to the Warehouse District.(Not meeting limiting glazing requirements)
- 4 No Windows**
No animation of blank facade
- 5 Large Format Windows**
These windows are formed to simulate the curtain walling on the shared work/live space. (Not meeting limiting glazing requirements)
- 6 Misaligned Square Windows**
This proposal suggests a more playful use of the square, animating with people varying on each level. The windows will be shifted either side from the centre line of the facade. (Not meeting limiting glazing requirements)



1 Circular Window



2 Wrapped Around Windows



3 Square Feature Windows



4 No Windows



5 Large Format Window



6 Misaligned Square Windows

01. North East Corner Facade Technical

There were also requirements to limit the extent of glazing to this facade, due to proximities to neighbouring buildings, which also meant disregarding a number of previous option.

The circular window option enable the facade to be animated without adding significant amounts of glazing.

A square window of matching glazing area would look overly small on this facade.

FIRE NOTE: A comprehensive External Spread of Flame Analysis was carried out during the design development of the proposal. This analysis set out strict criteria for the acceptable percentage of unprotected (glazed) area to the new development based on the orientation and proximity to neighbouring buildings. The glazing on the eastern façade is especially sensitive. The building form and locations of fenestrations has been optimised to ensure openings are prioritised where they strike the best balance on benefits to both internal and external factors.

