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# THE ACTIVE CITY

# THE ACTIVE CITY



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**NEWS**

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## Health

# Inactivity 'killing as many as smoking'

By Nick Triggle  
Health correspondent, BBC News

🕒 18 July 2012 | 

     Share

**A lack of exercise is now causing as many deaths as smoking across the world, a study suggests.**

The report, published in the *Lancet* to coincide with the build-up to the Olympics, estimates that about a third of adults are not doing enough physical activity, causing 5.3m deaths a year.

# ACTIVE TRAVEL



Source: Public Health England, 2016



News story

## Government publishes £1.2 billion plan to increase cycling and walking

Cycling and walking investment strategy released.

Published 21 April 2017

From: [Department for Transport](#), [The Rt Hon Chris Grayling MP](#), and [Andrew Jones MP](#)



# ACTIVITY LEVELS... DESPITE INVESTMENT

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**SPORT Get Inspired**

Home | Football | Formula 1 | Cricket | Rugby U | Rugby L | Tennis | Golf | Athletics | Sport

Get Inspired > Activity Guides | Activity Finder | FA People's Cup | Unsung Heroes

## Sport England has £250m strategy to target inactivity



By Dan Roan  
BBC sports editor

🕒 19 May 2016 | Get Inspired



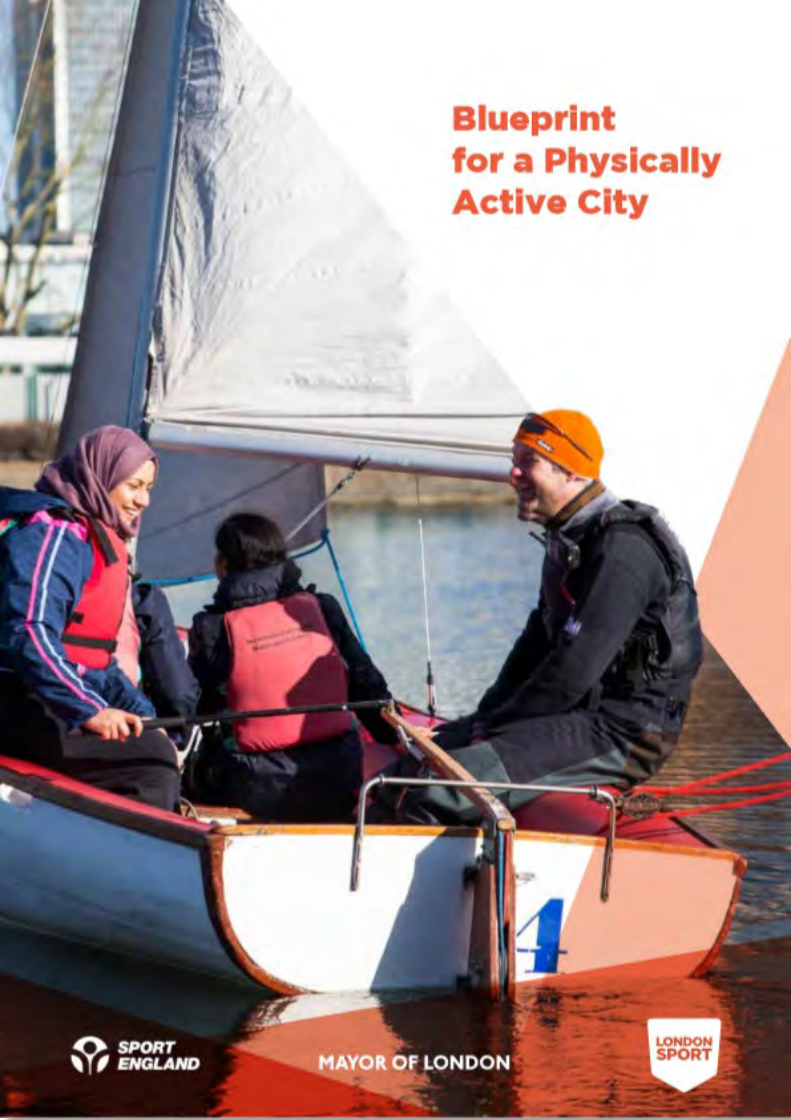
# ACTIVE CITIES



**Liverpool Active City**  
**Living Well Summit Edition**  
Physical Activity and Sport Strategy  
2014 - 2021



Liverpool *Active City*...



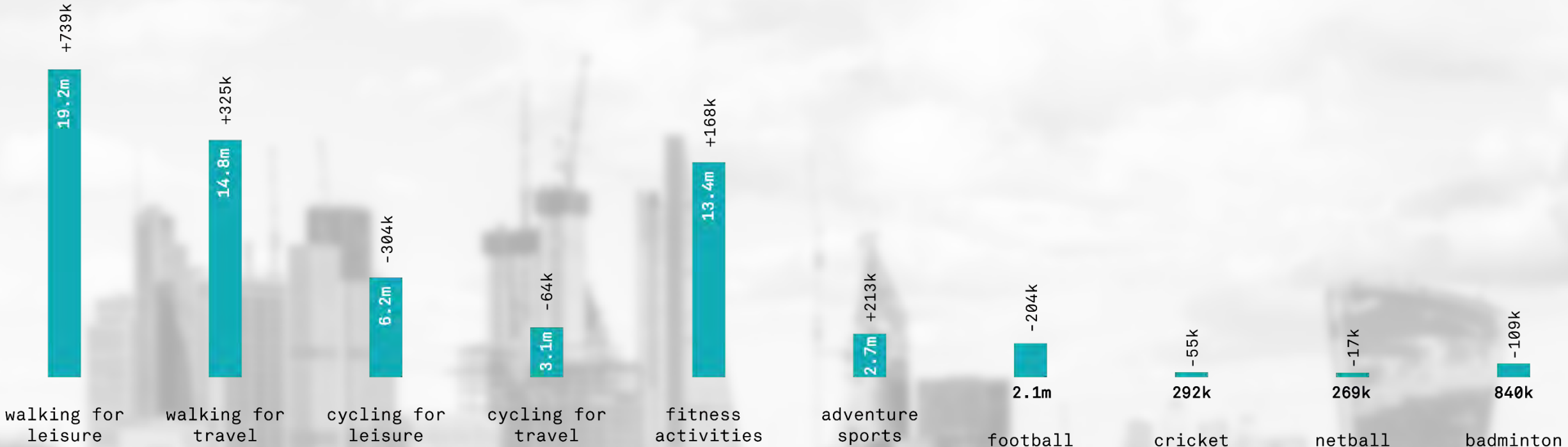
**Blueprint**  
**for a Physically**  
**Active City**



MAYOR OF LONDON



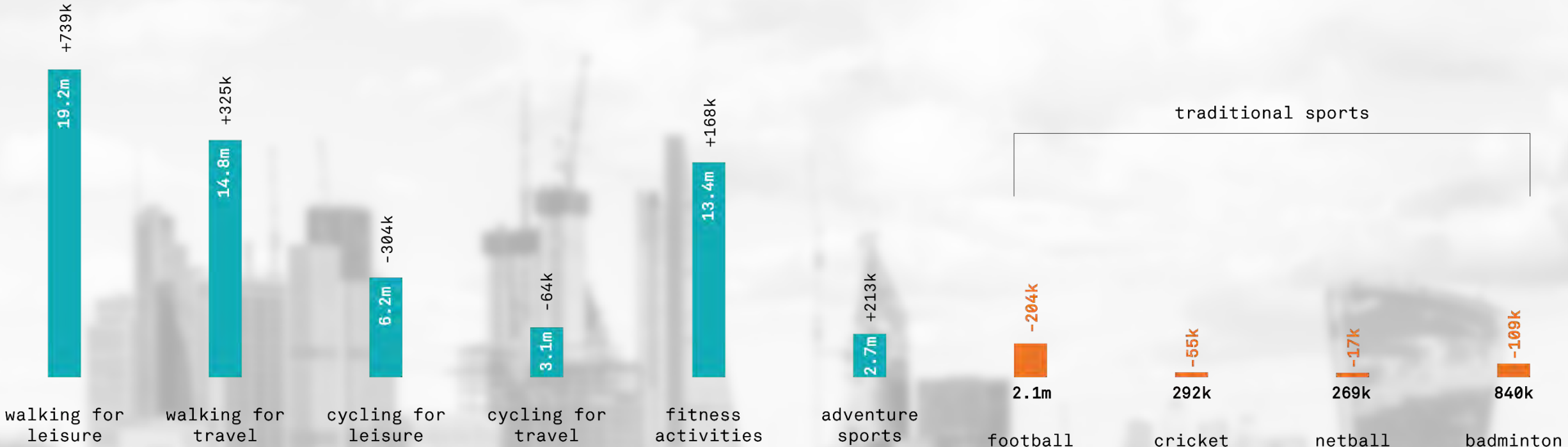
# ACTIVITY TRENDS



*Adapted from  
Sports England  
17/18 Active Lives Survey*

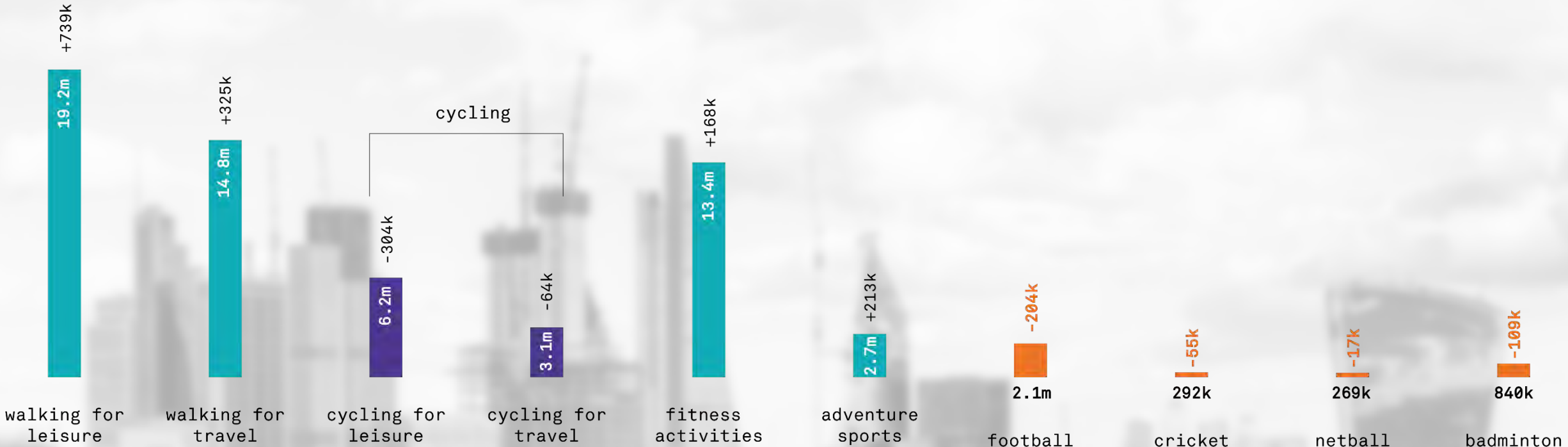


# ACTIVITY TRENDS



*Adapted from  
Sports England  
17/18 Active Lives Survey*

# ACTIVITY TRENDS

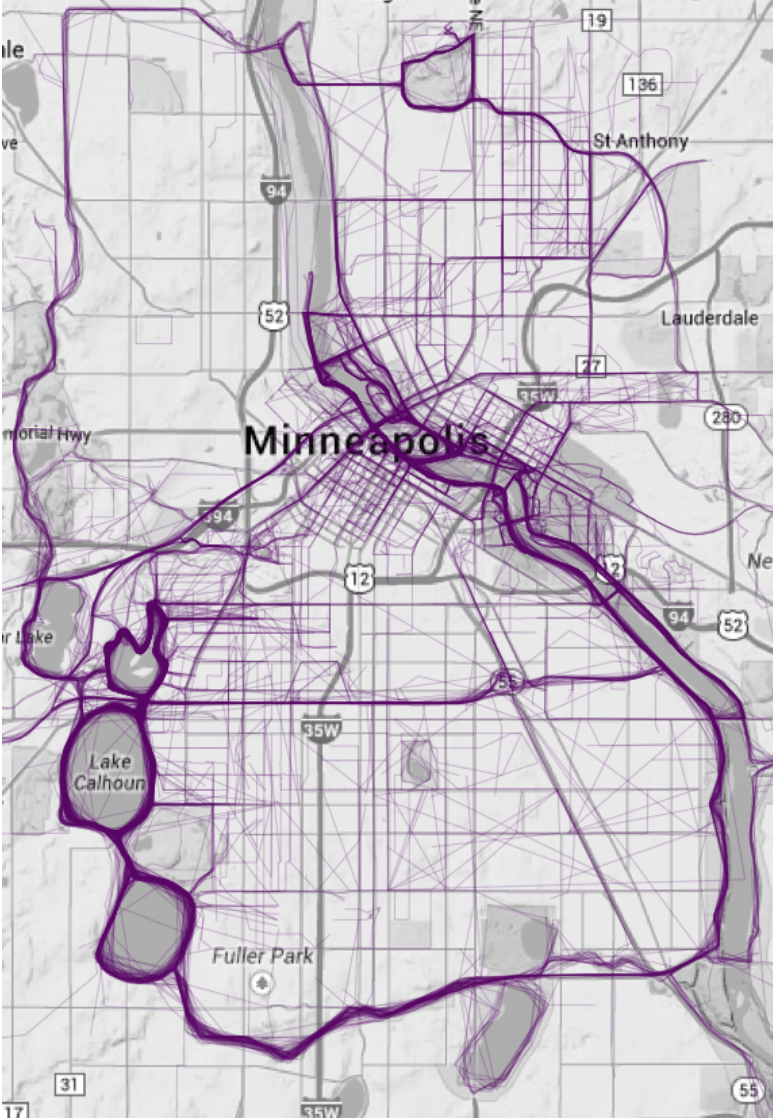


*Adapted from  
Sports England  
17/18 Active Lives Survey*

# ACTIVITY DATA

Flowingdata  
Where People Run in Major Cities

### Minneapolis



### London



### Sydney



# THE HIGH LINE

New York



Photograph by [Iwan Baan](#)



# THE 606 Chicago

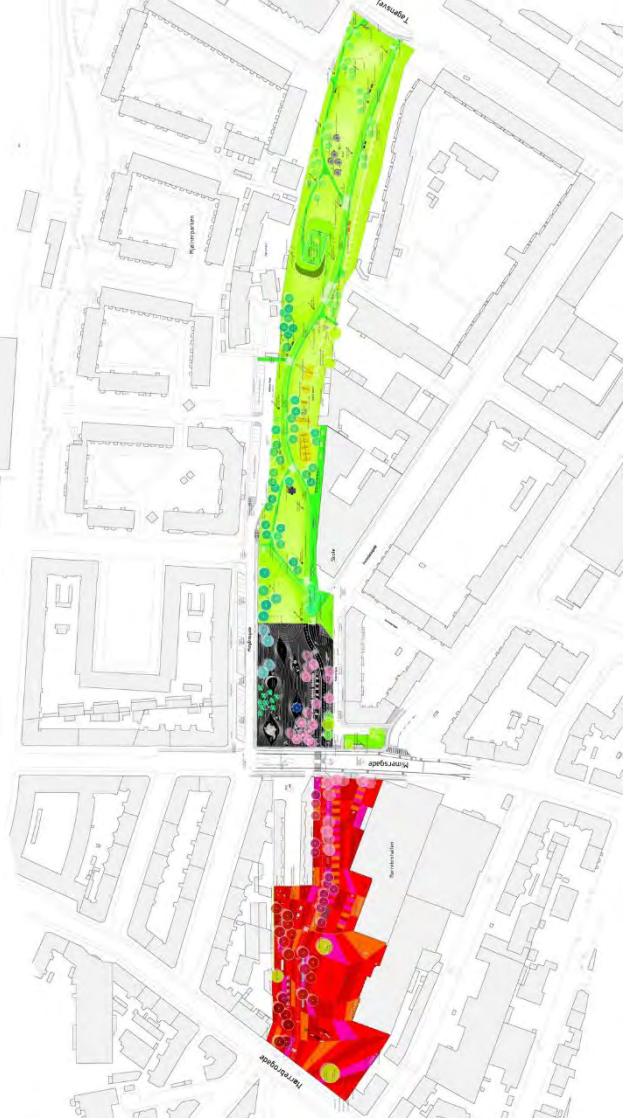


# ROSE KENNEDY GREENWAY

## Boston



# SUPERKILEN Copenhagen



# LINEAR PARKS IN DEVELOPMENT

Seoullo 7017 Skygarden, Seoul



The Underline, Miami



Sagrera Linea Park, Barcelona





NEWCASTLE ACTIVE



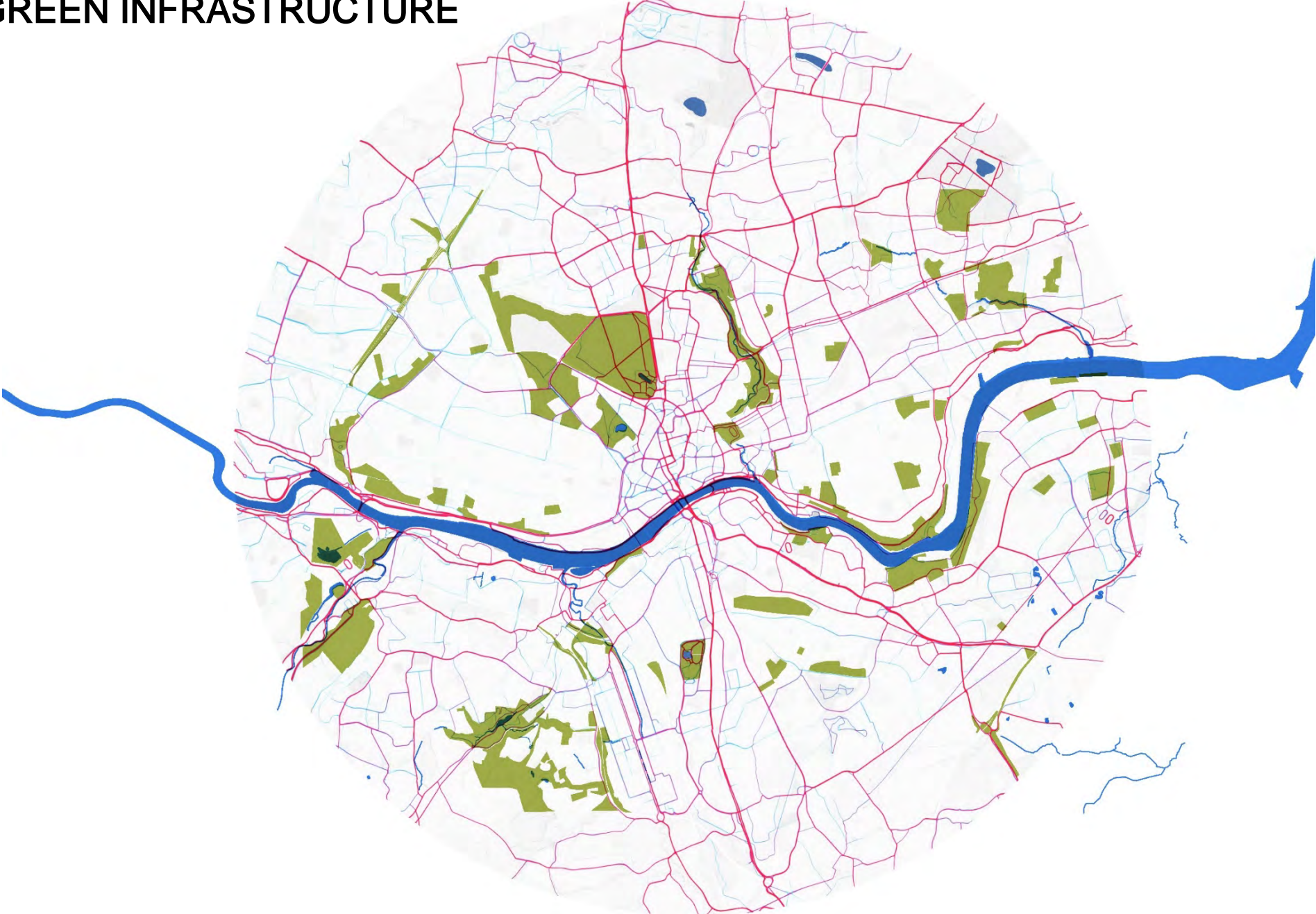
# NEWCASTLE ACTIVE



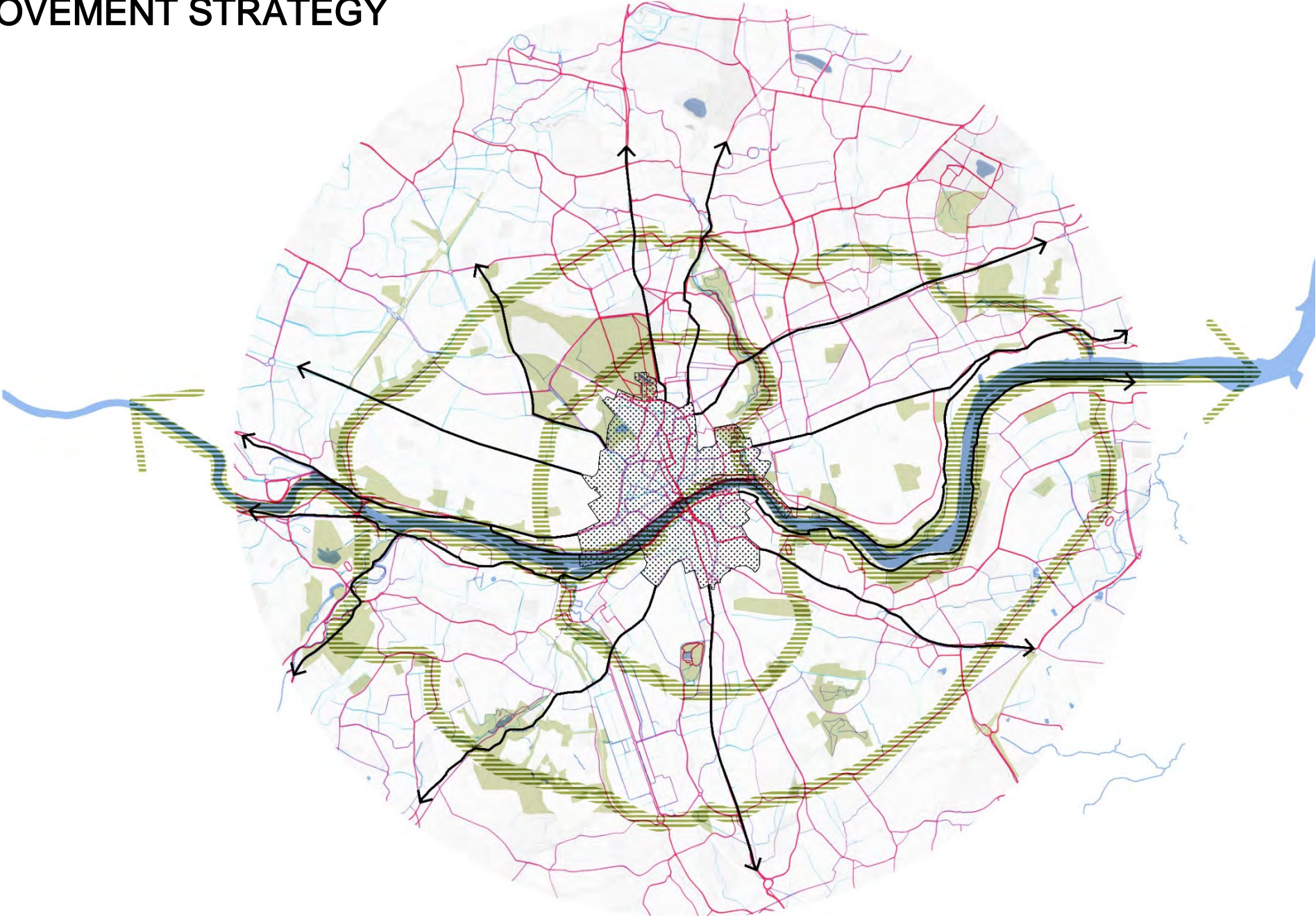
# ACTIVITY MAP



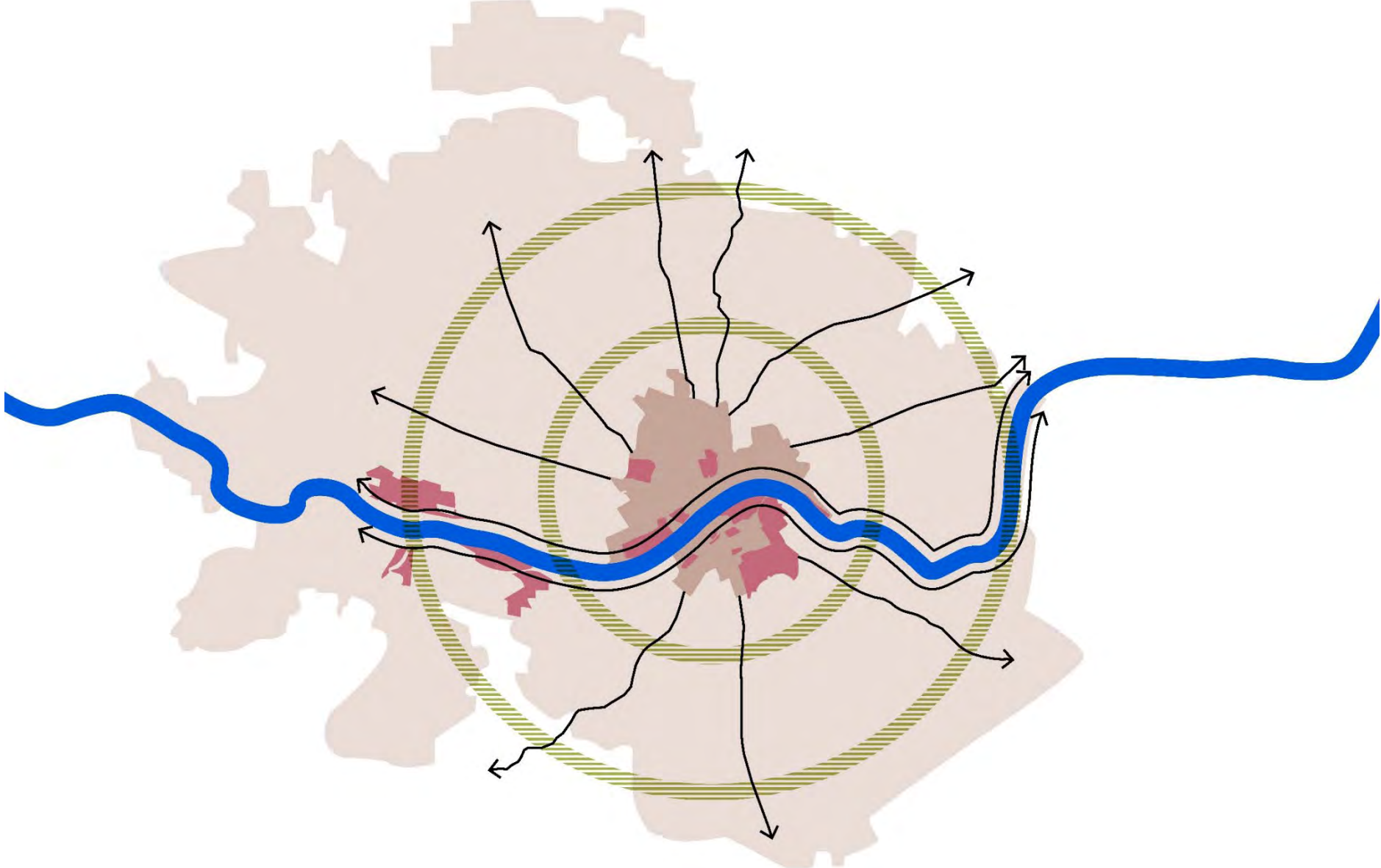
# BLUE & GREEN INFRASTRUCTURE



# ACTIVEMOVEMENT STRATEGY

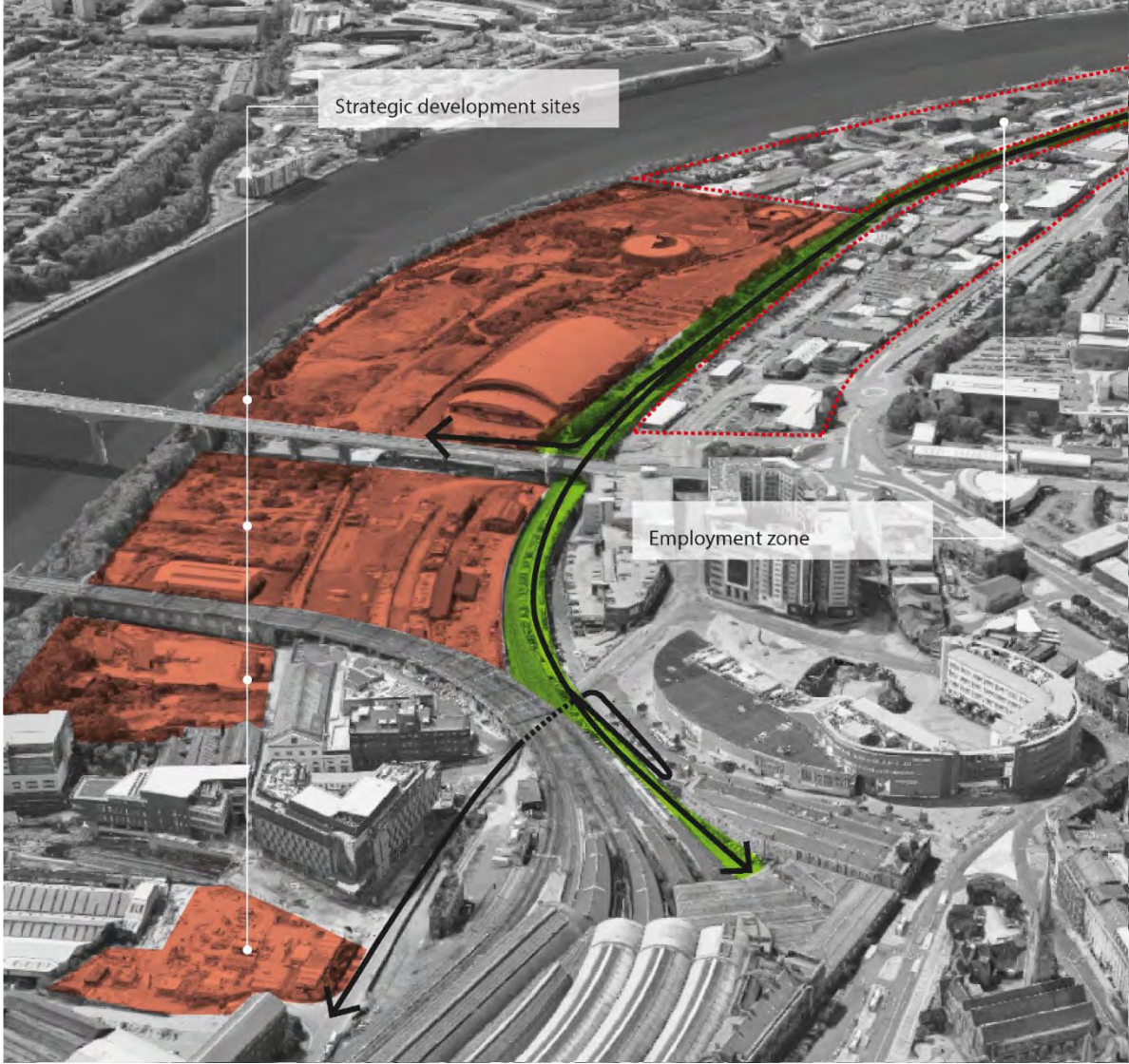


NEWCASTLE ACTIVE CITY



# NEWCASTLE HIGH LINE

New York High Line  
Photograph by Iwan Baan



# NEWCASTLE LIGHT PATH

Te Ara | Whiti - Light Path  
Land Lab\_





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# WHAT DOES THIS MEAN FOR SPORTS BUILDINGS?



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WHAT DOES THIS MEAN FOR SPORTS BUILDINGS?

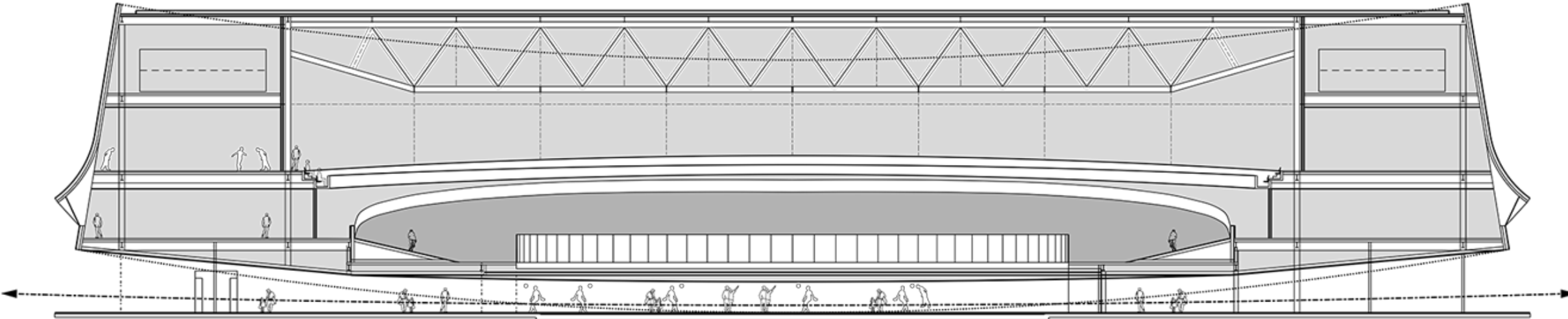
**FLEXIBILITY**  
**CONNECTIVITY**  
**VERTICALITY**



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**FLEXIBILITY**

# DERBY ARENA VELODROME



# INDOOR VELODROMES

## Iconic and Dynamic Forms

Beijing 2008



Athens 2004



Berlin



London 2012

# 50% OF OLYMPIC VELODROMES ARE NO LONGER IN USE

Munich 1972



LA Velodrome 1984

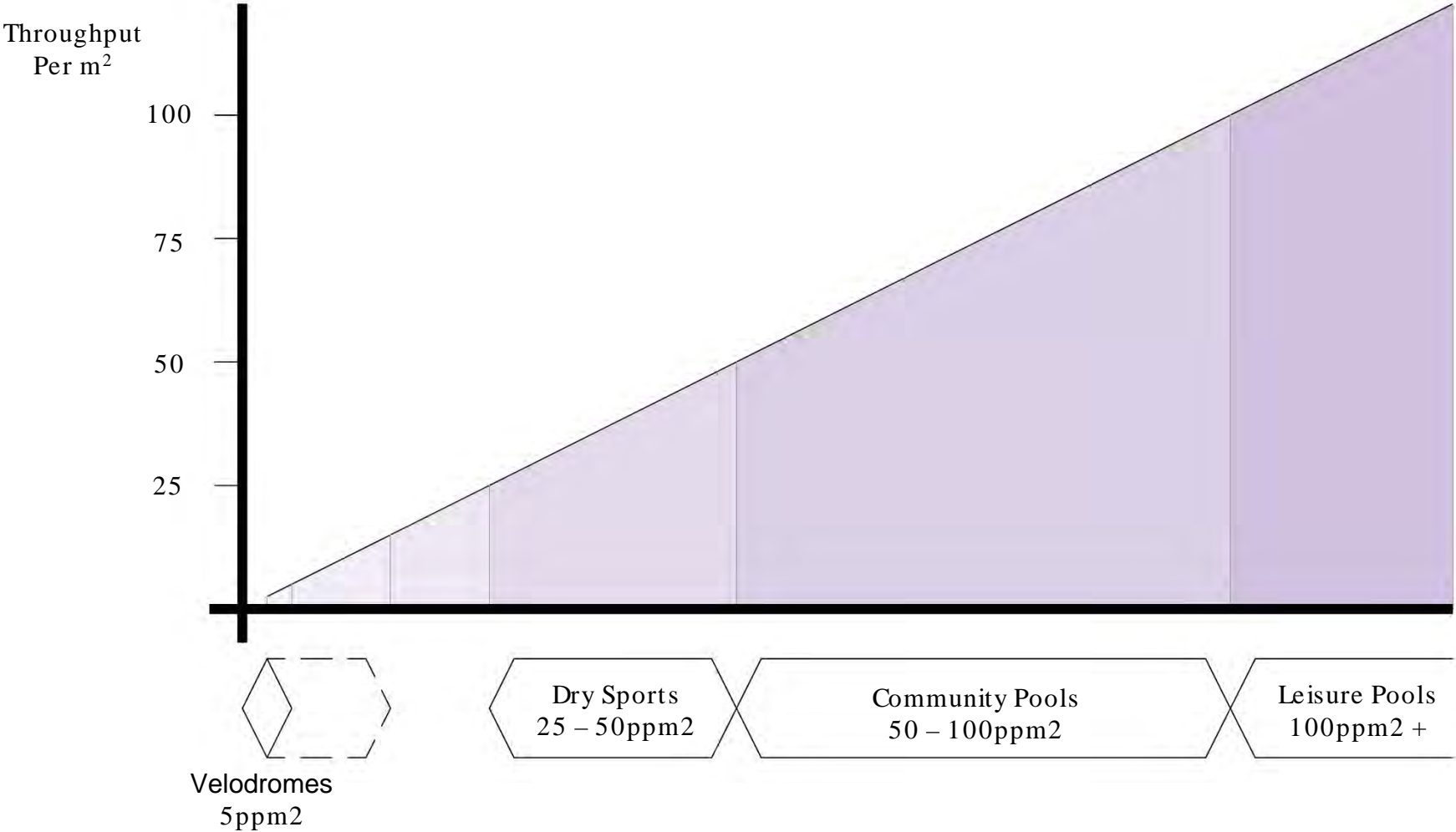


Atlanta 1996



Montreal 1976

# TYPICAL SPORTS BUILDING USE PEOPLE PER M2



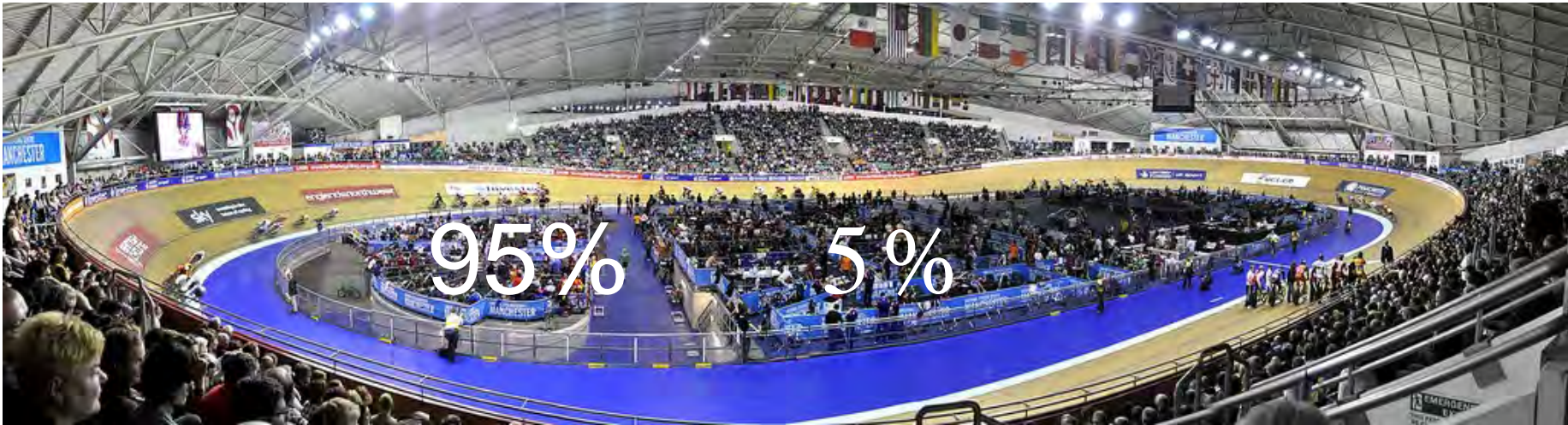
# MANCHESTER VELODROME 'THE MEDAL FACTORY'



*“Manchester is not just a velodrome;  
it is a gold medal producing factory.”*



# INFIELD USAGE BY CYCLISTS



95%

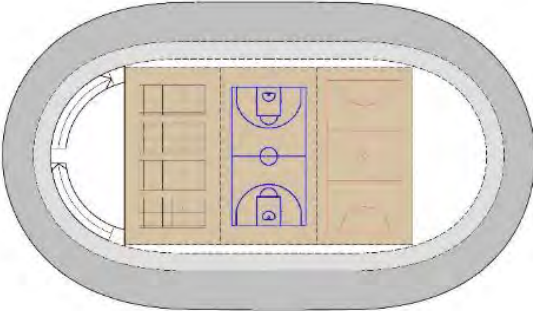
5%

# 250M CYCLE TRACK INFIELD

## Other Uses

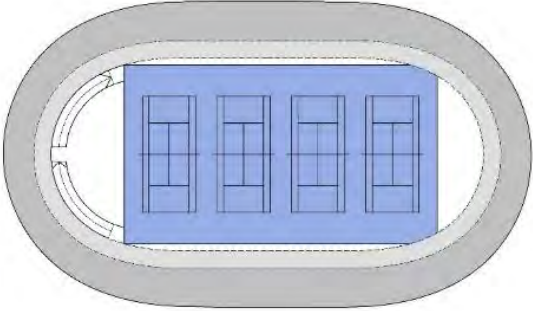
### Dry Sports

Badminton, Basketball, Netball,  
Basketball, Volleyball etc

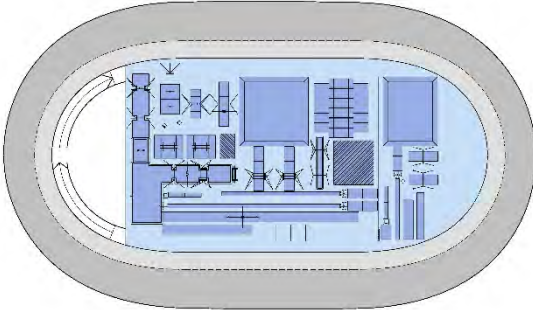


### Tennis

4 Courts



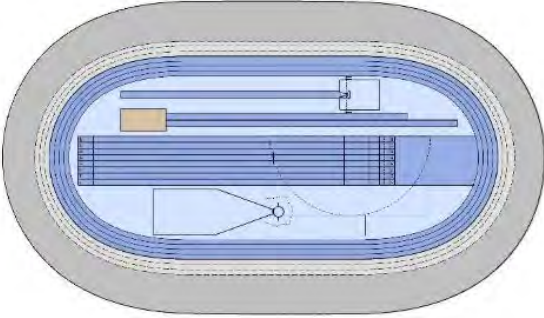
### Gymnastics



### Athletics

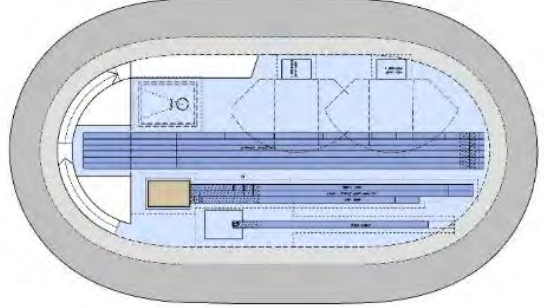
200m Running Track

Note: A 200m running track compromises access to the cycle track



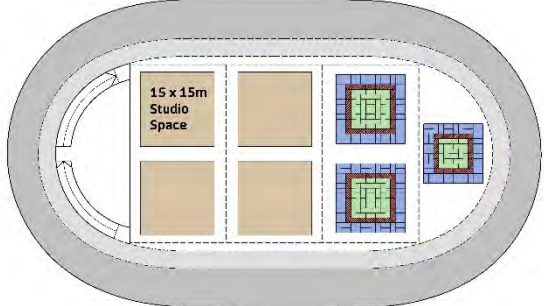
### Athletics

Straight, Jumps and Throws



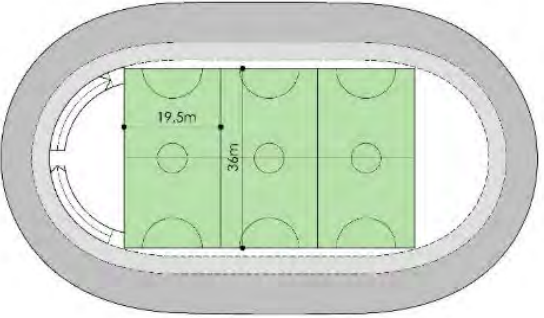
### Martial Arts

Studio flexible space



### Football

5-a side



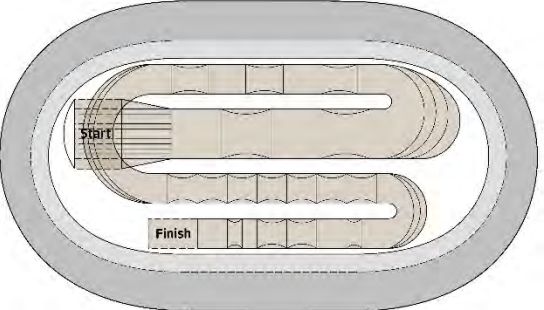
### Football

7-a-side



### BMX

Reduced

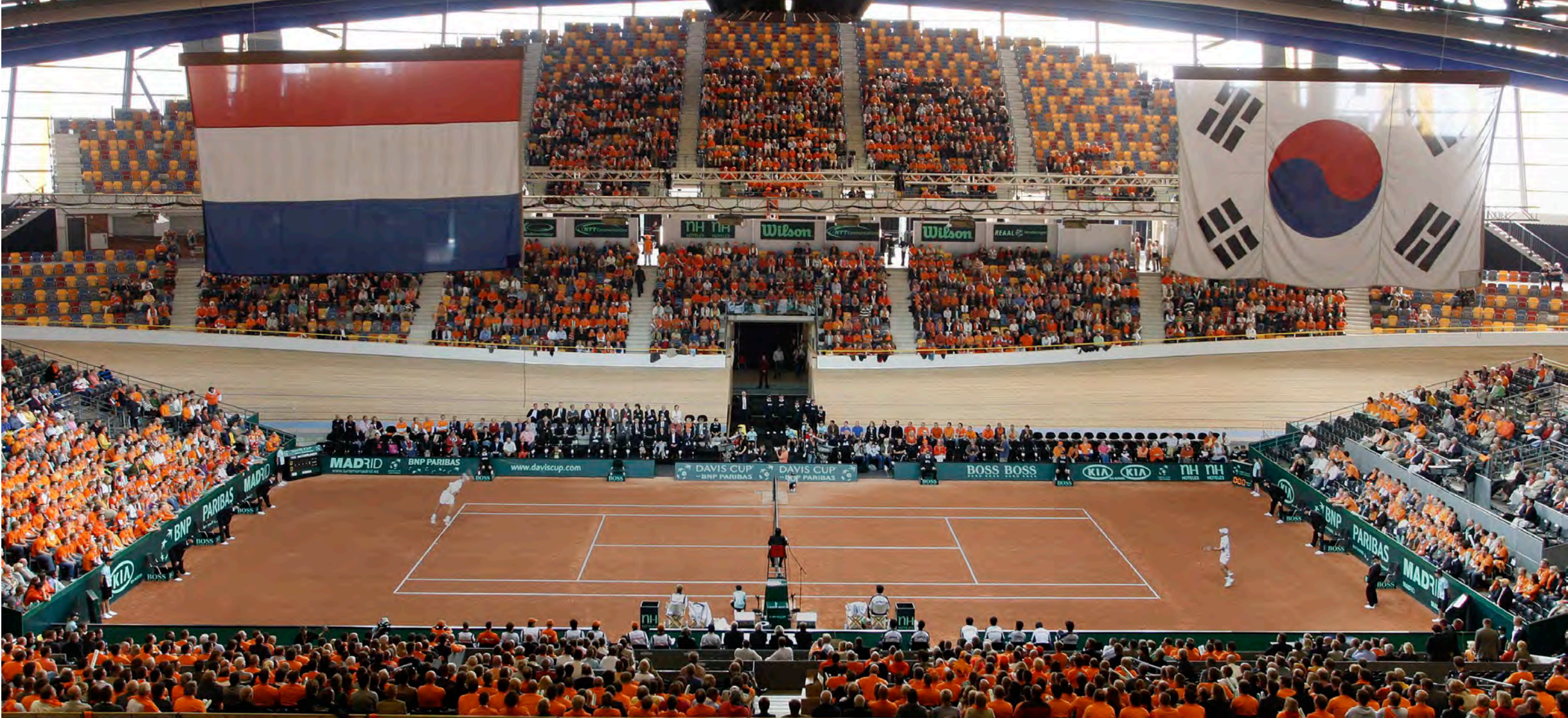


# OMNISPORTCENTRUMPELDOORN



# OMNISPORTCENTRUMPELDOORN

## Davis Cup Tennis



# OMNISPORTCENTRUM PEELDOORN

Velodrome Innovation



# OMNISPORTCENTRUMPELDOORN

World Cycling Championships 2010

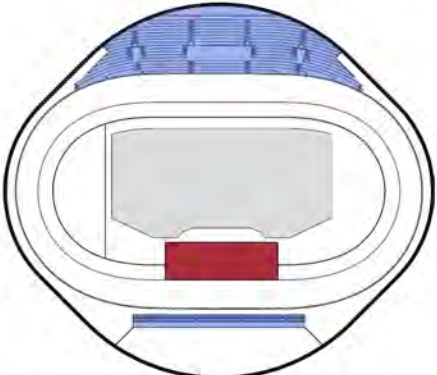


DERBY ARENA



# DERBY ARENA

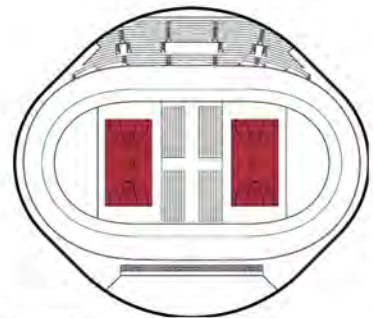
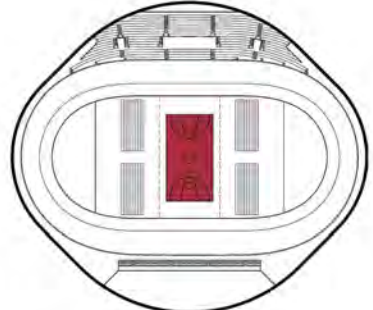
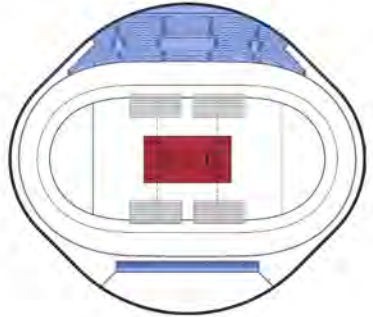
## Layouts And Capacities



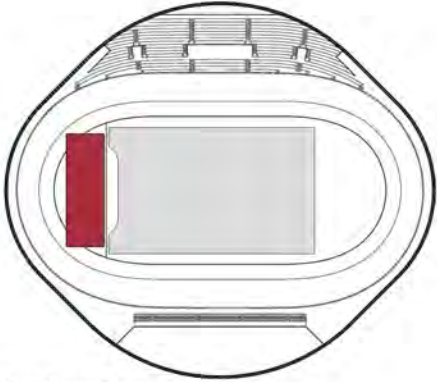
**Side Stage Event**  
 1500 permanent spectators  
 2500 seated to infield  
 OR  
 3500 standing to infield  
**5000 max**



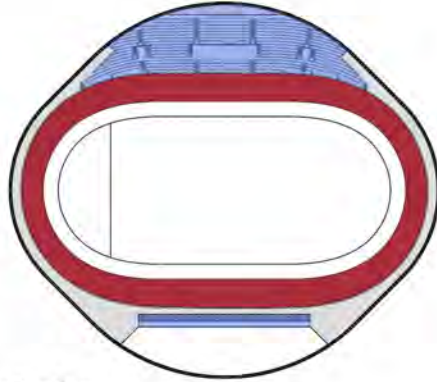
**Central Stage / Longitudinal Sport Event**  
 1500 permanent spectators  
 c.200 balcony seats to hospitality  
 and either  
 800 retractable seats  
 OR  
 2500 temporary spectator stands to infield



**Retractable Seating**  
 4 x 200 seats retractable units (800 total) can be positioned in a variety of positions around the permanent courts or could be used for a stage event.



**End Stage Event**  
 2500 seated to infield  
 OR  
 3500 standing to infield  
 (could utilise some of main stand and balcony if required)

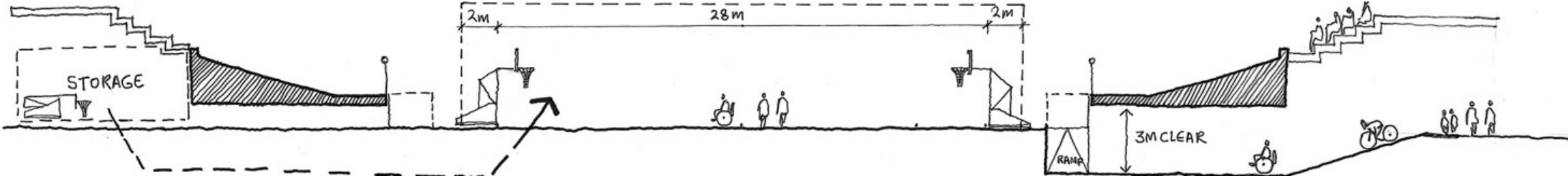


**Cycling Event**  
 1500 permanent spectators  
 c.200 balcony seats to hospitality  
 c.500 standing informally to concourse



# VELODROME

## Traditional Dropped Infield



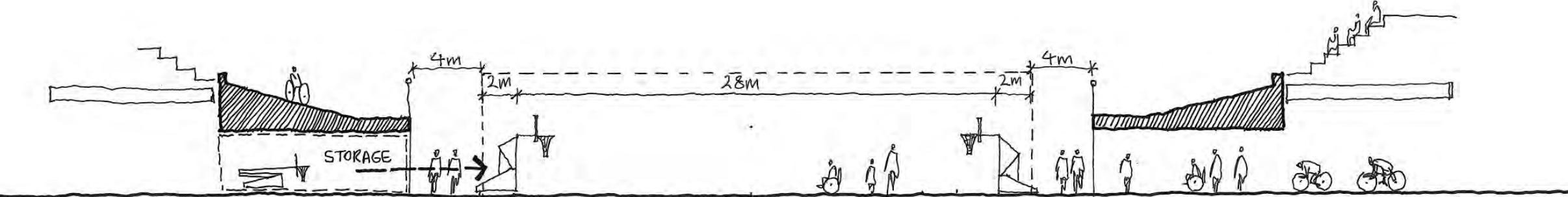
User Access / Storage



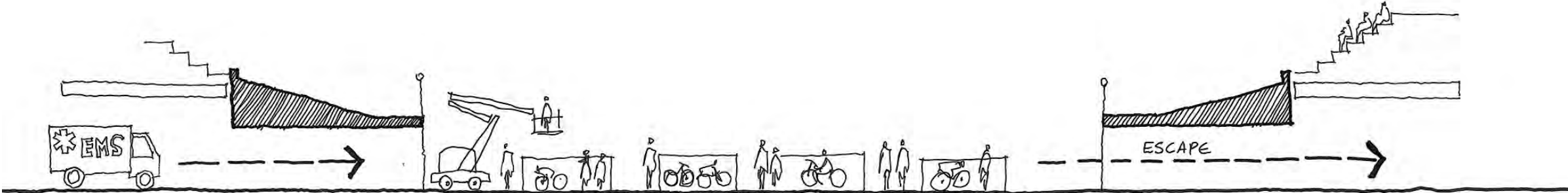
Vehicle Access / Escape

# VELODROME

## 4.5 Dropped Infield

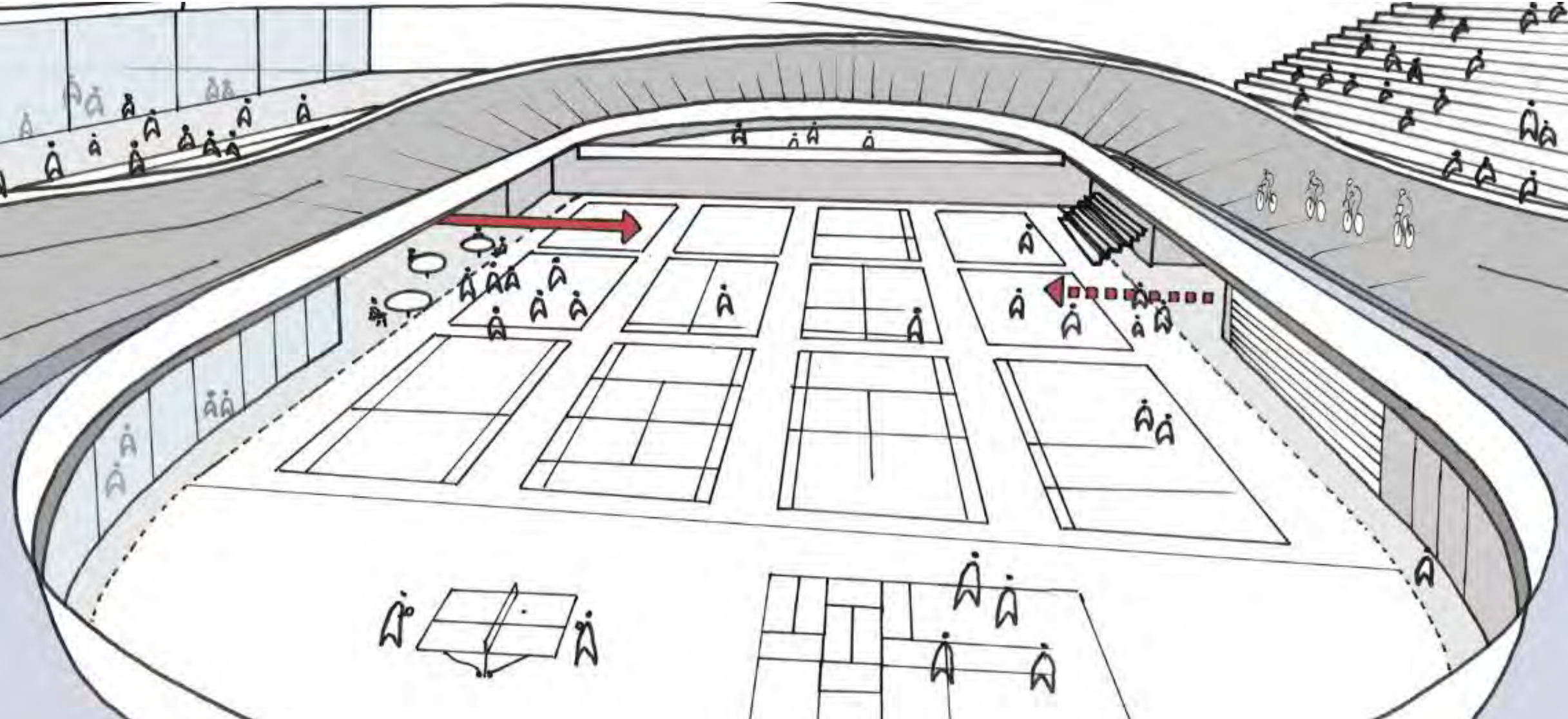


User Access / Storage



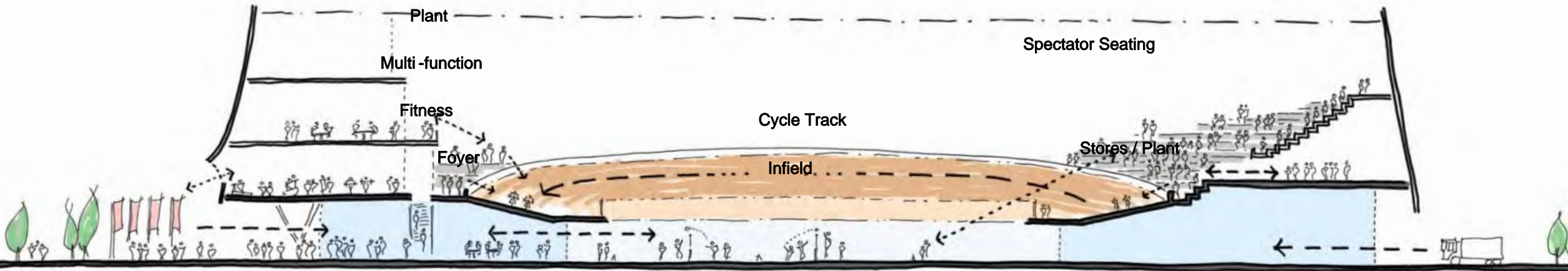
Vehicle Access / Escape

# RAISED TRACKELODROME SPORTS HALL

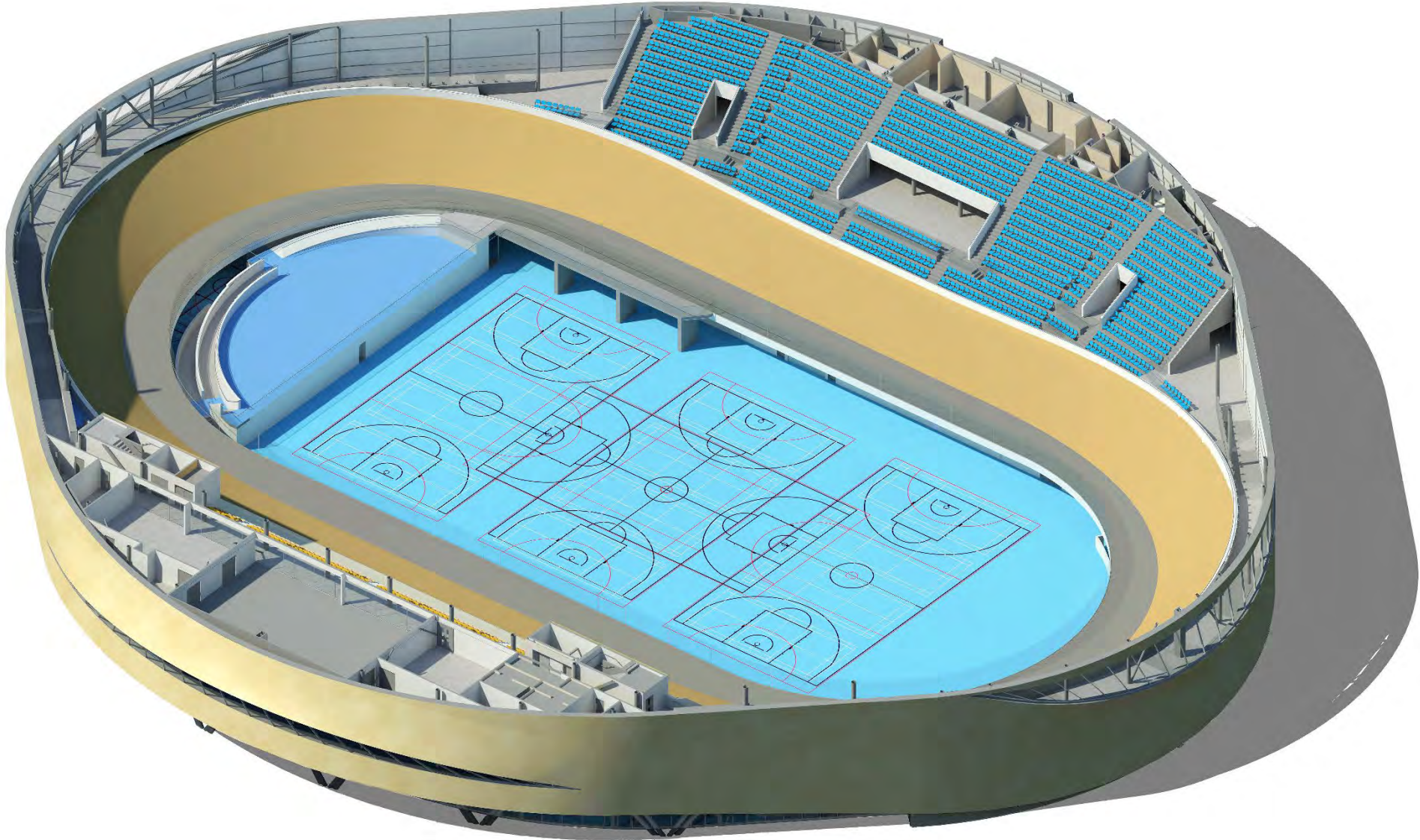


# VELODROME

Direct Access

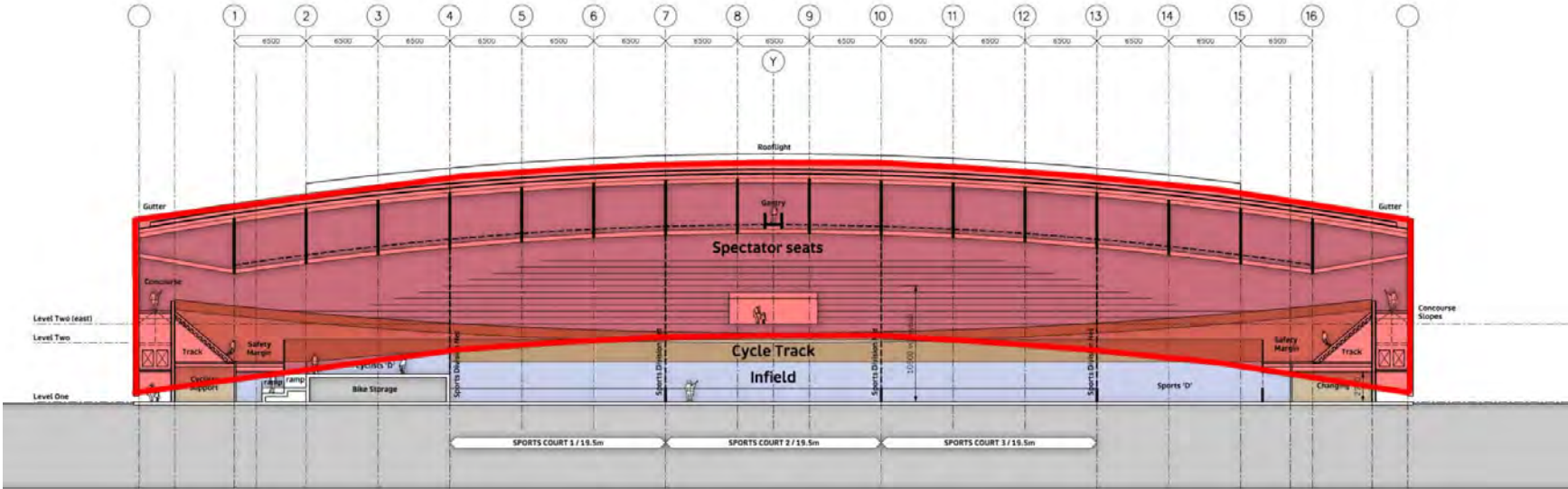
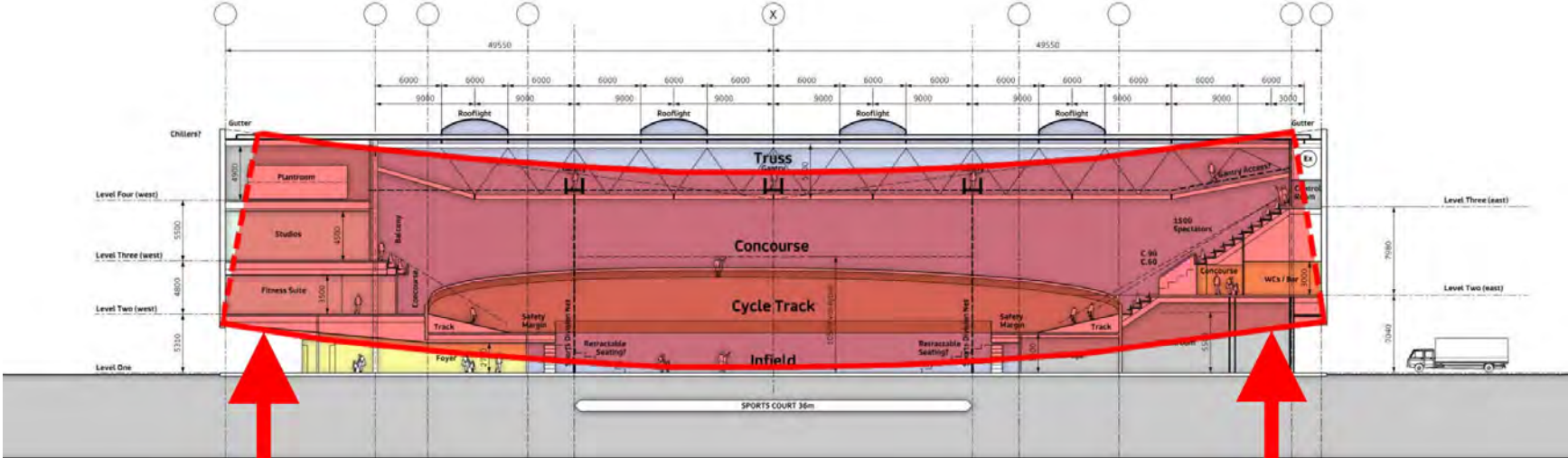


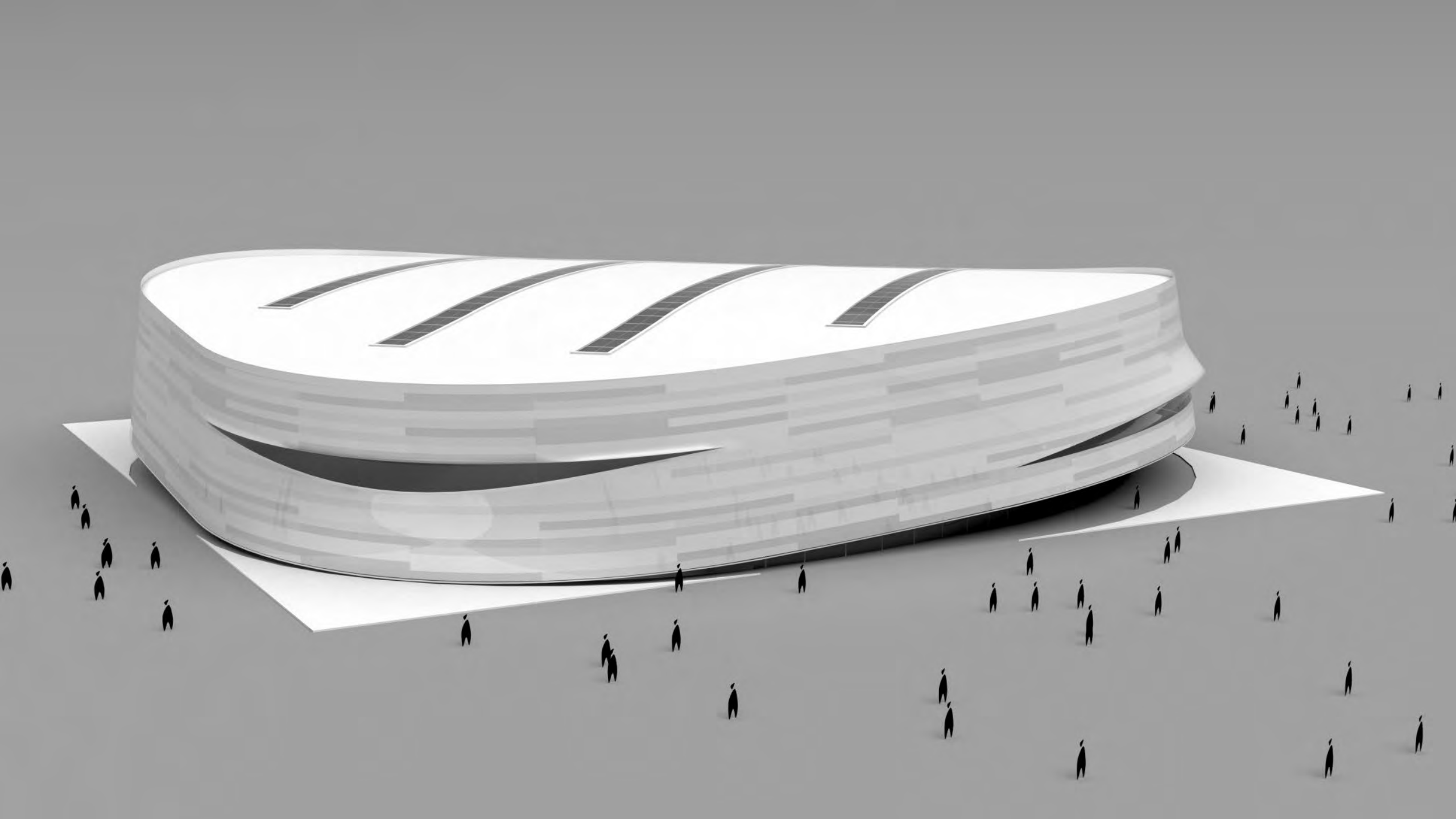
# DERBY ARENA



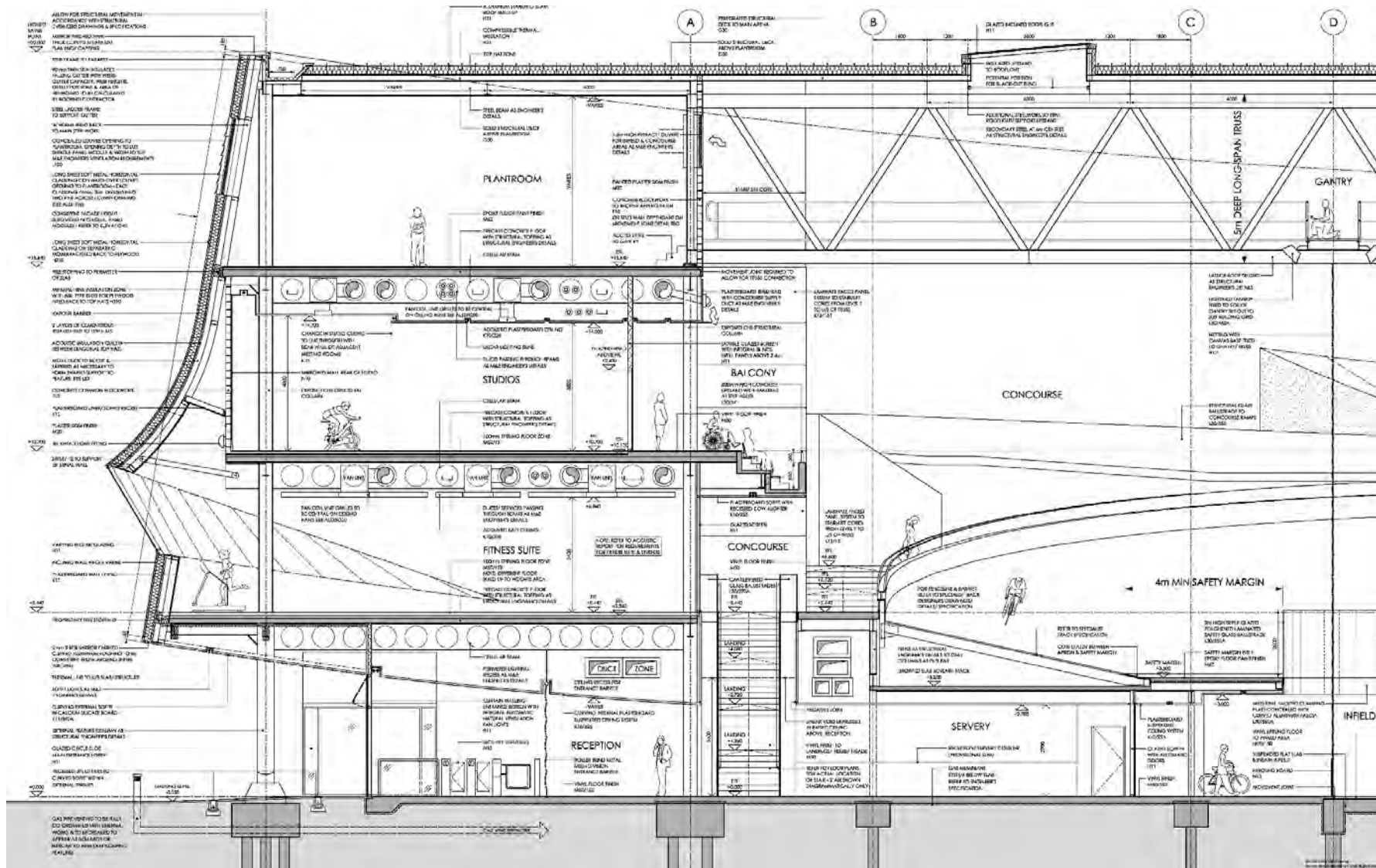
# DERBY ARENA

## C-stage Form Concept





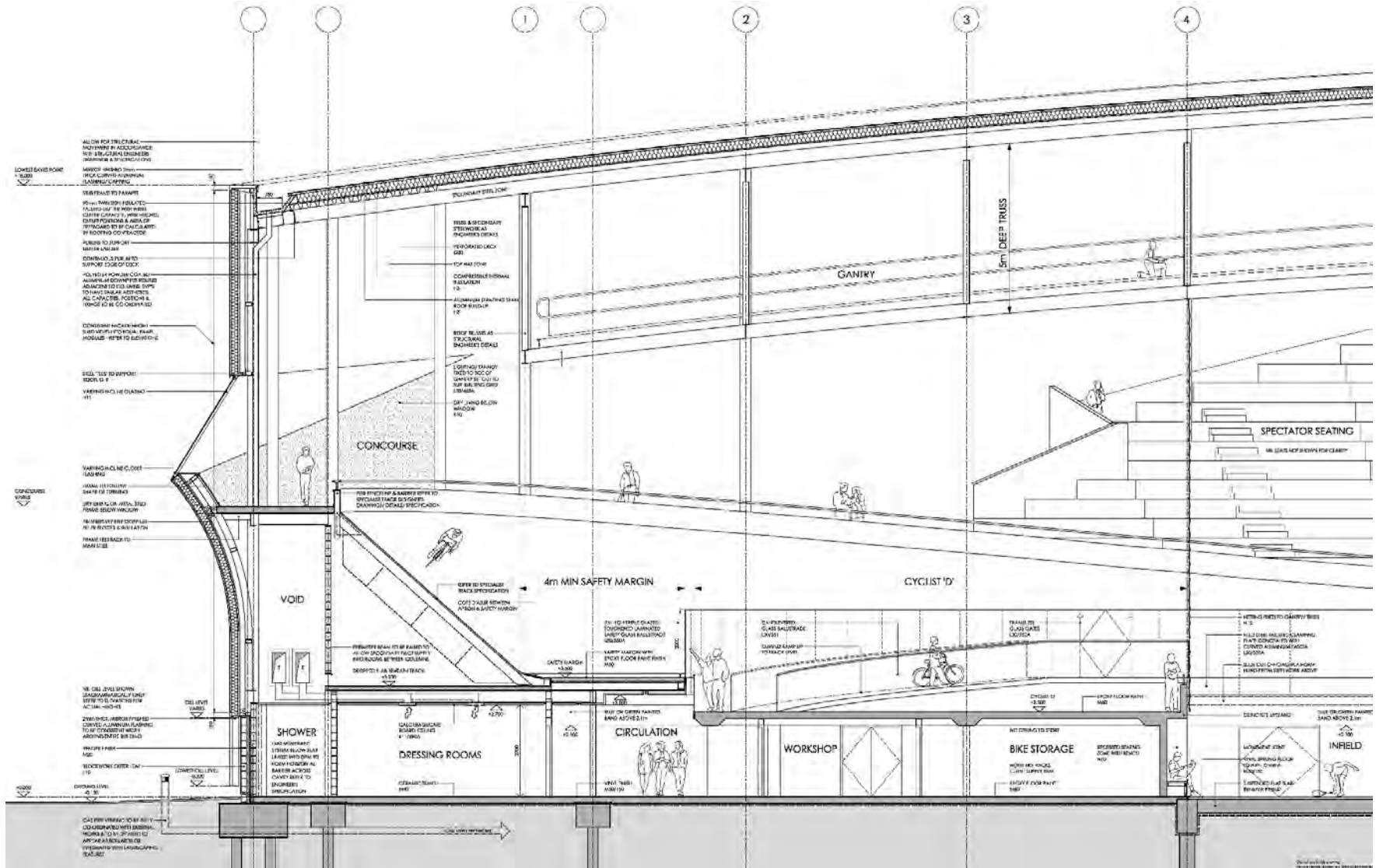
# DERBY ARENA FRONTAGE SECTION





# DERBY ARENA

## Track End Section



# DERBY ARENA



# DERBY ARENA



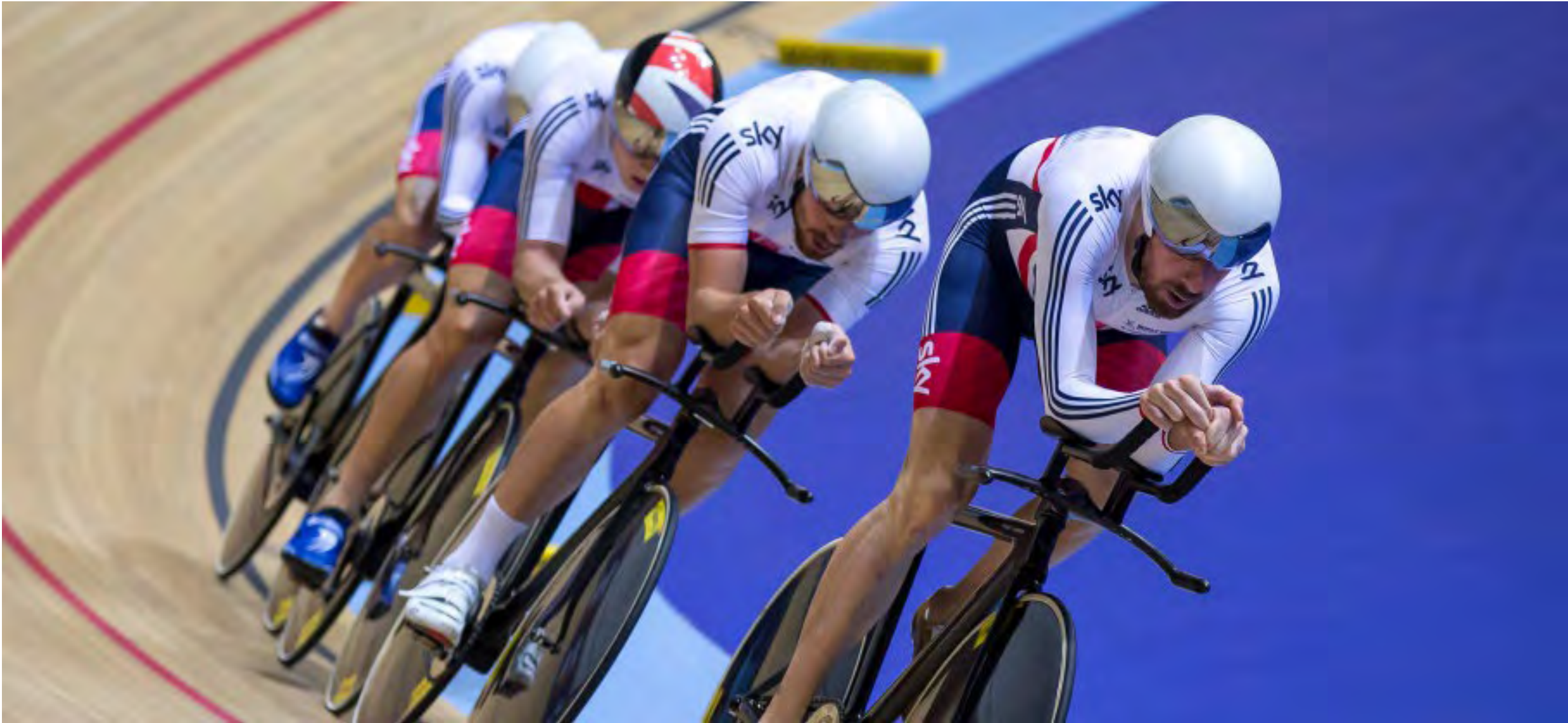
# DERBY ARENA



# DERBY ARENA



DERBY ARENA



# DERBY ARENA



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**CONNECTIVITY**



# HEBBURN CENTRAL



# HEBBURN CENTRAL



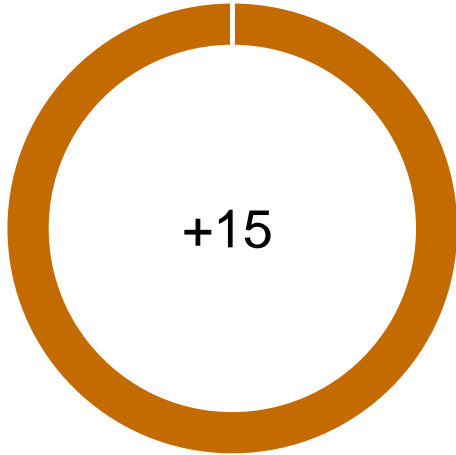
# HEBBURNCENTRAL

Placemaking, Community and Regeneration

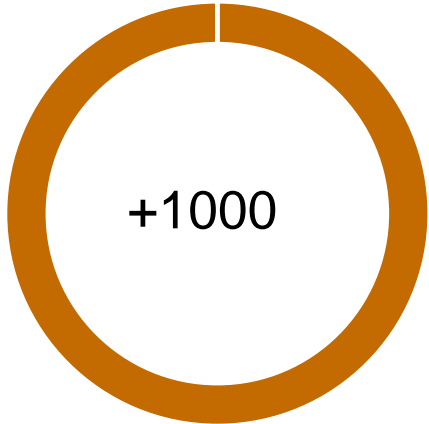


# HEBBURNCENTRAL

## Briefing and Community Engagement



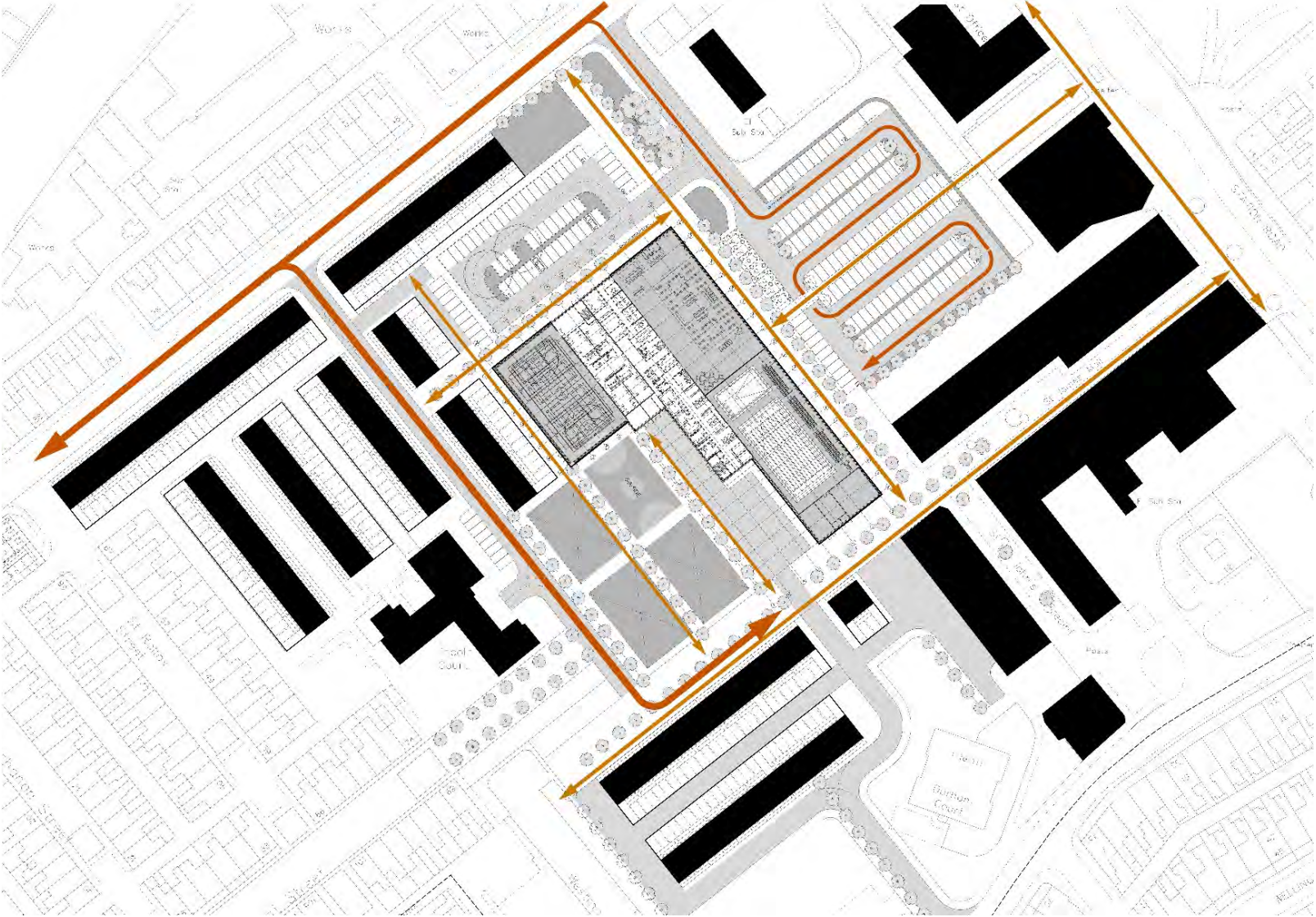
Community Workshops over 2 month period



Community Attendees

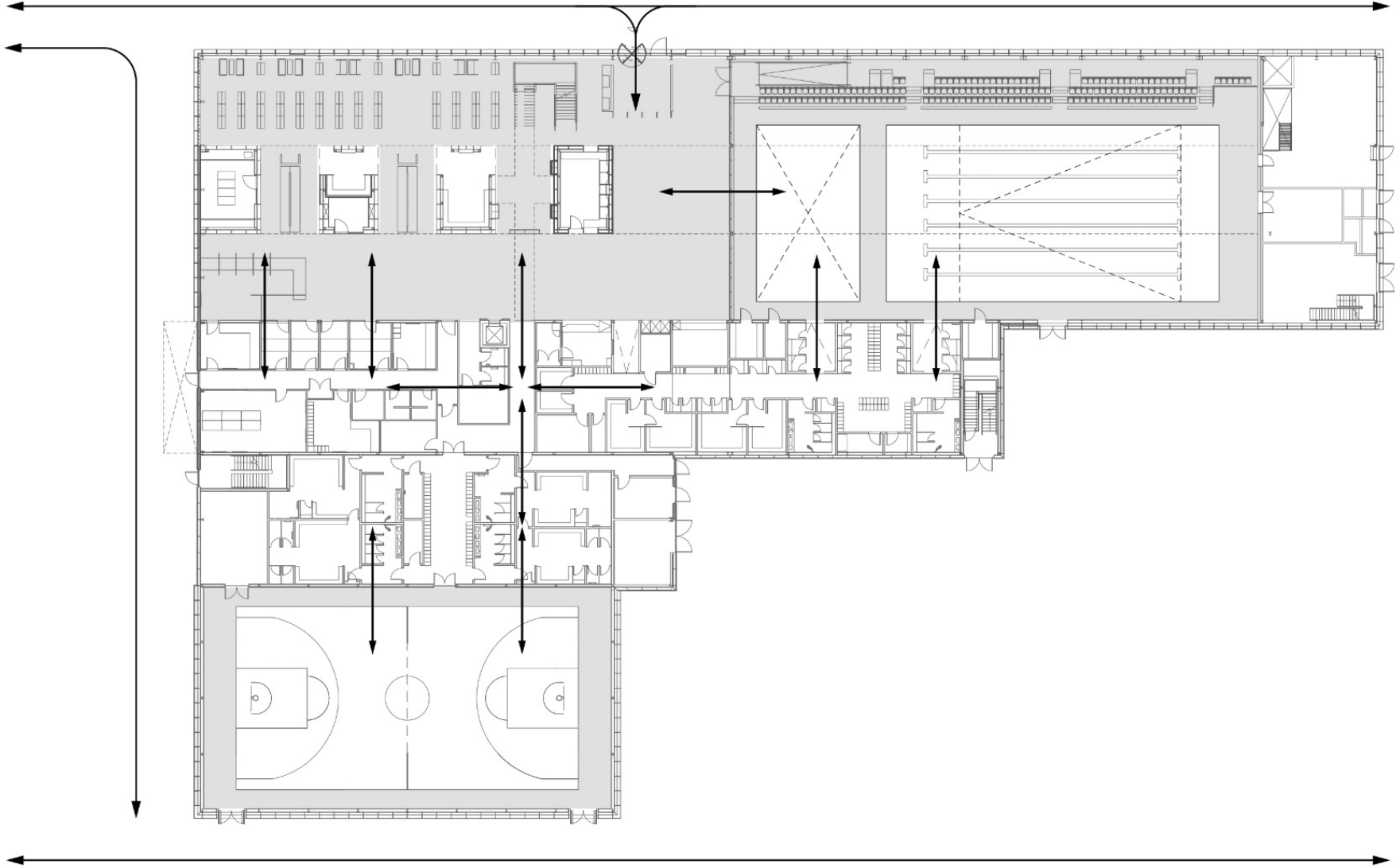
# HEBBURN CENTRAL

## Placemaking, Community and Regeneration



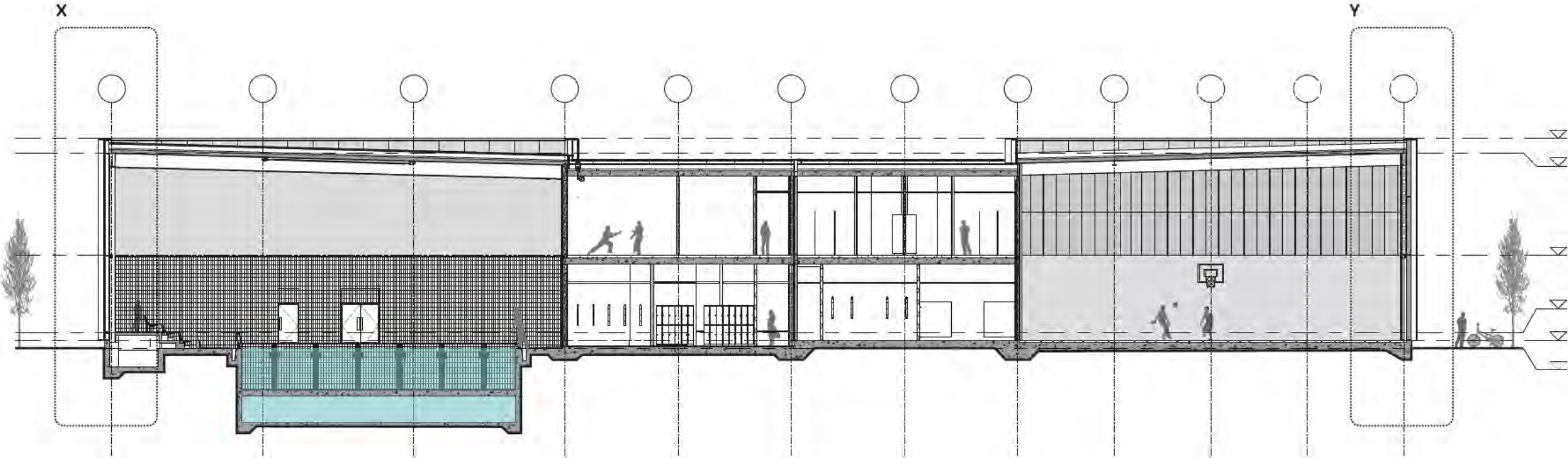
# HEBBURN CENTRAL

## Brief Development and Arrangement



# HEBBURN CENTRAL

Brief Development and Arrangement



# HEBBURN CENTRAL





# HEBBURN CENTRAL



# HEBBURN CENTRAL



# HEBBURN CENTRAL

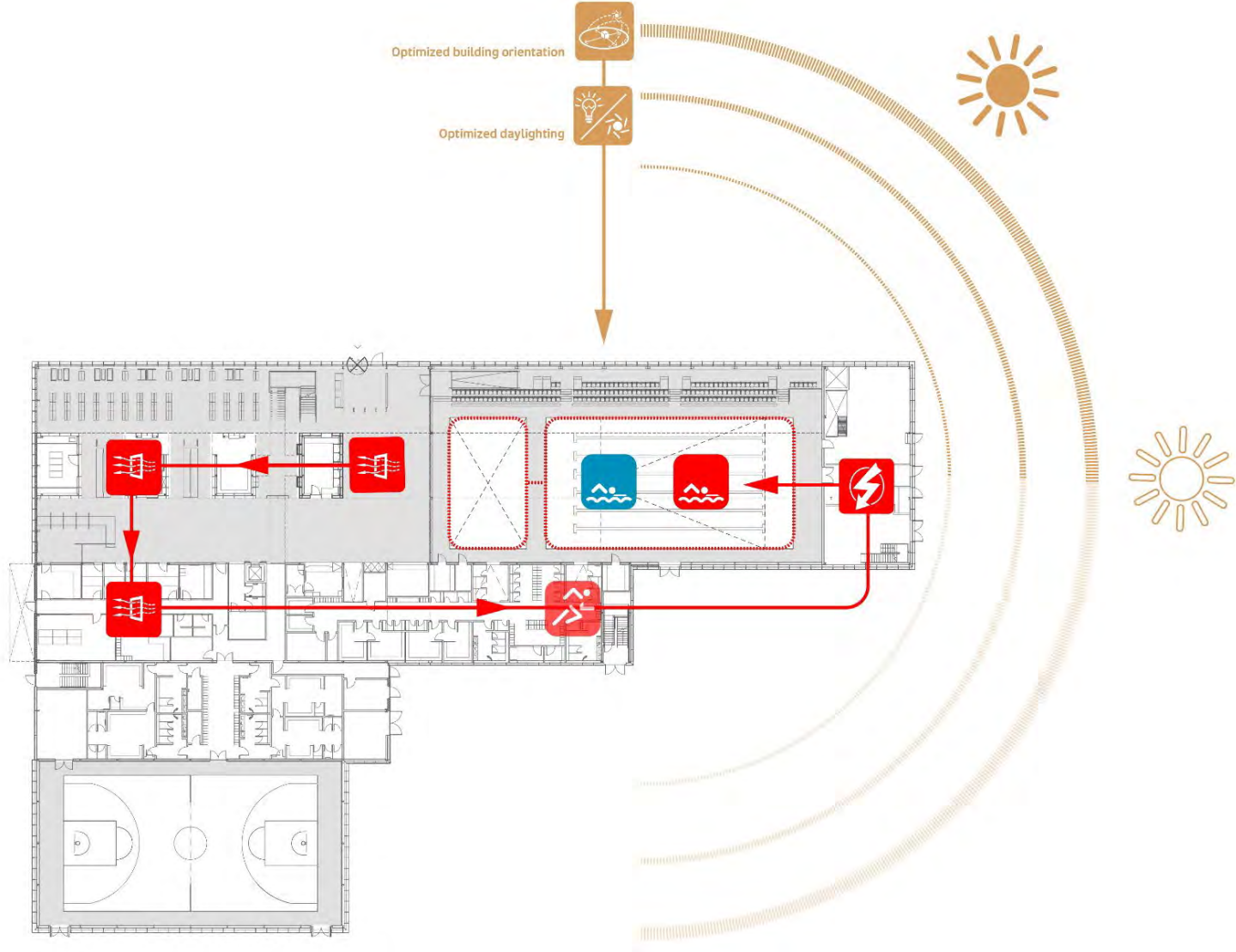


# HEBBURN CENTRAL



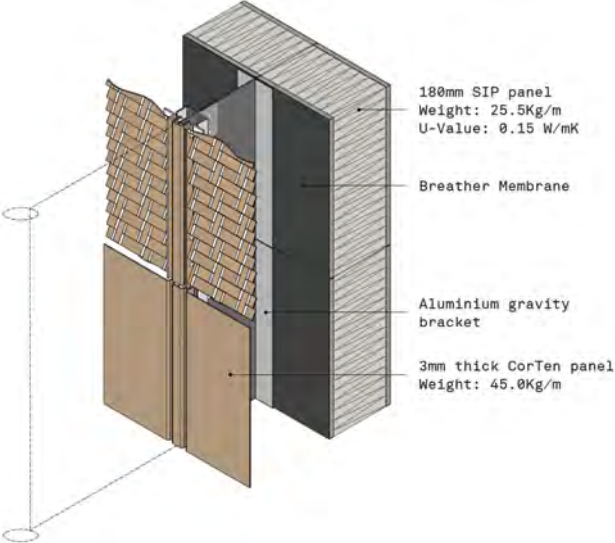
# HEBBURNCENTRAL

## Water Cooled Heat Pump and Environmental Strategy



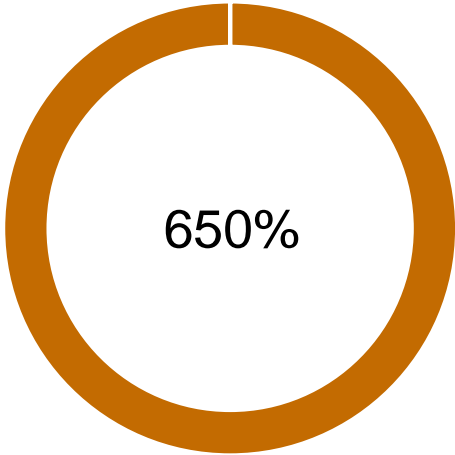
# HEBBURN CENTRAL

## Energy Performance

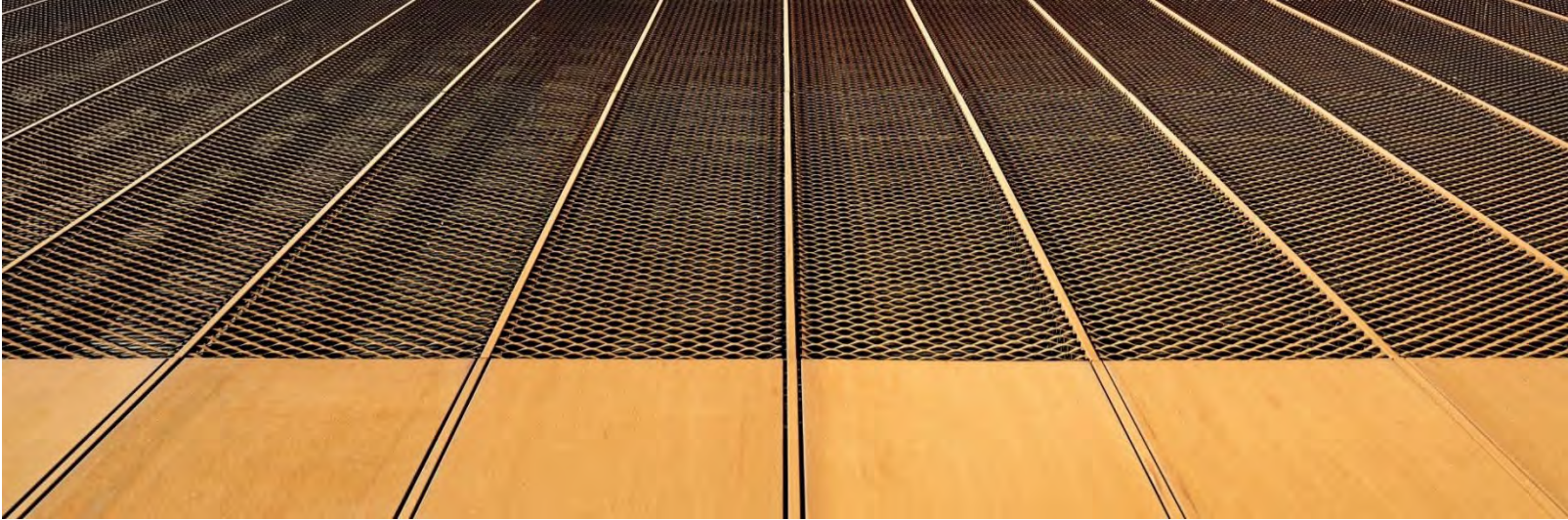


### Bream Rating

bream Very Good

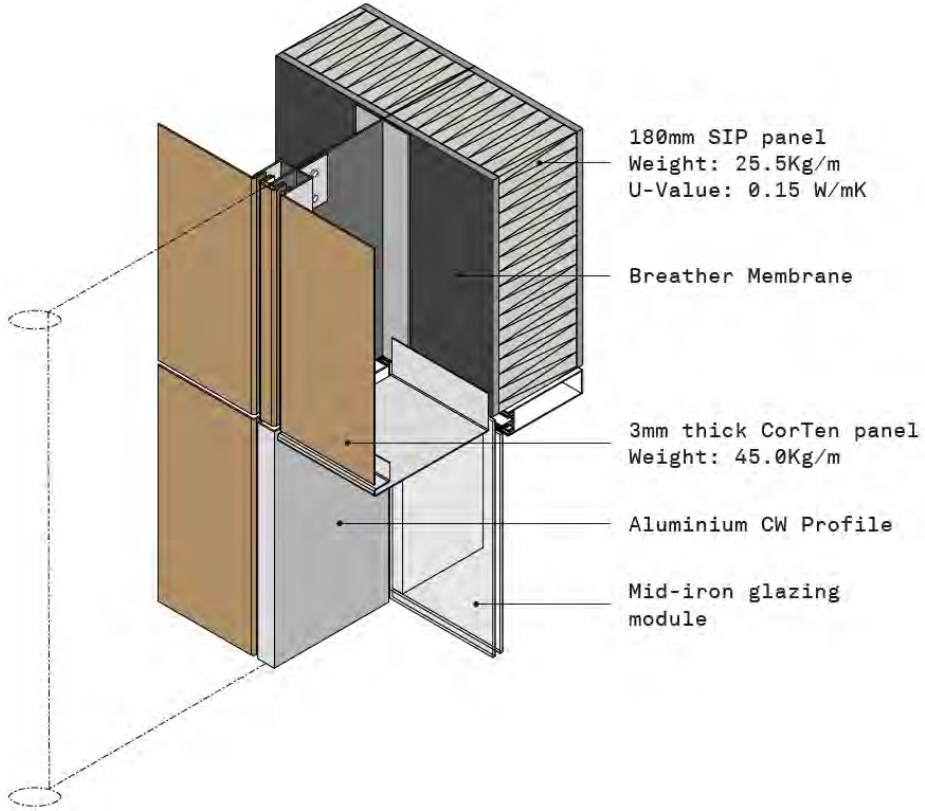
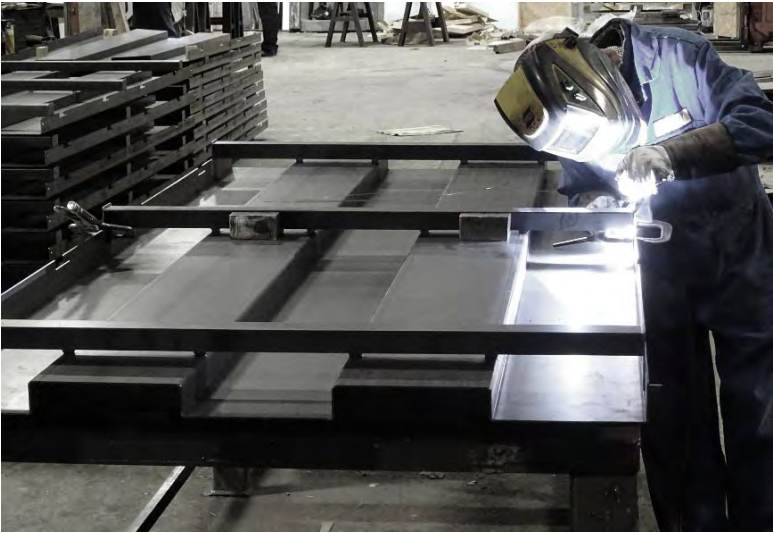


Energy performance improvement on existing facility



# HEBBURNCENTRAL

## Prefabrication



# HEBBURN CENTRAL

## Success Indicators

**+45,000**

new leisure admissions in 3 months

**+1,100**

New annual leisure memberships in 3 months

**+700**

New junior leisure memberships in 3 months

**+600**

new library memberships in 3 months





# HEBBURN CENTRAL Design Awards

Civic Trust  
Design Award 2016

Civic Trust  
Special Award for Community Impact and Engagement 2016

RIBA Award  
North East Regional Award 2016

RIBA Award  
National Award 2016

Constructing Excellence  
Project of the Year 2016

LABC  
North East Best Public Service Building 2016

RICS  
Design Through Innovation – Highly Commended 2016

British Construction Industry Awards  
Building Project of the Year (£10-50 million) - Shortlisted 2016

British Construction Industry Awards  
Low Carbon Project of the Year

Special Award for Community Impact & Engagement

Special Award for Community Impact & Engagement

Presented to an exemplar project, that has demonstrated how successful community engagement can help deliver the highest standards of design whilst meeting the needs of local people.

## Hebburn Central

South Tyneside, North East

**Applicant:** FaulknerBrowns Architects  
**Architect:** FaulknerBrowns Architects  
**Client:** South Tyneside Council  
**Interior Designer:** FaulknerBrowns Architects  
**Landscape Architect:** Collopier  
**Main Contractor:** Willmott Dixon  
**Services Engineer:** Decso (Design & Consultancy) Ltd  
**Structural Engineer:** Matt MacDonald  
**Acoustic Consultant:** Apex Acoustics  
**BREEAM:** HRS Services Ltd

Hebburn Central contains a rich blend of community focused services and is the first completed phase of regeneration of Hebburn. It contains a range of leisure elements including a 6 lane 25m community pool, learning pool, fitness suite, dance studios and sports hall, plus external 3G pitch. In addition, the building fuses administrative municipal customer service facilities, office space, community meeting and events rooms which are integrated into a centralised public library and media space, all of which visually interlink and efficiently overlap in shared support systems. Hebburn Central forms the initial phase of an extensive redevelopment of the Town Centre. Situated on the south bank of the River Tyne, the area has a rich industrial past rooted in ship building and light to high-tech steelwork, electrical switchgear and metal manufacturing industries. As part of recent investment, the gradual re-evaluation of the urban area has allowed a new phase of urban re-development to progress that will not only address the immediate siting and needs of the first phase of building, but also the wider master plan integration of housing and retail within the changing town centre itself. FaulknerBrowns continue to embark upon many community hub focused schemes that have not only generated significant opportunities for contemporary architectural design but, in turn, have afforded many cost-effective and substantial benefits for the operators as well as more sustained and tangible community benefits for the local communities which they serve.



*"The hub has been a great success within the community, providing a real focal point, with superb facilities that meet all their requirements and more."*

Hebburn Central in the North East is a simple, robust new leisure centre and library with an enduring elegance and fine community facilities. The project offered a welcome contrast to many such buildings which tend to be jazzed up in architectural form to try to be interesting for whimsy's sake. Hebburn Central by contrast is an extremely well designed and architecturally pleasing project providing highly valuable community assets, in an area of the country, which suffers from high unemployment and social deprivation. It is a testament to a forward thinking local authority client investing intelligently in its community.

Keith R Williams  
Civic Trust Awards National Panel Chair

12

13



Low Carbon Construction Project of the Year  
**WINNER**

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**VERTICALITY**

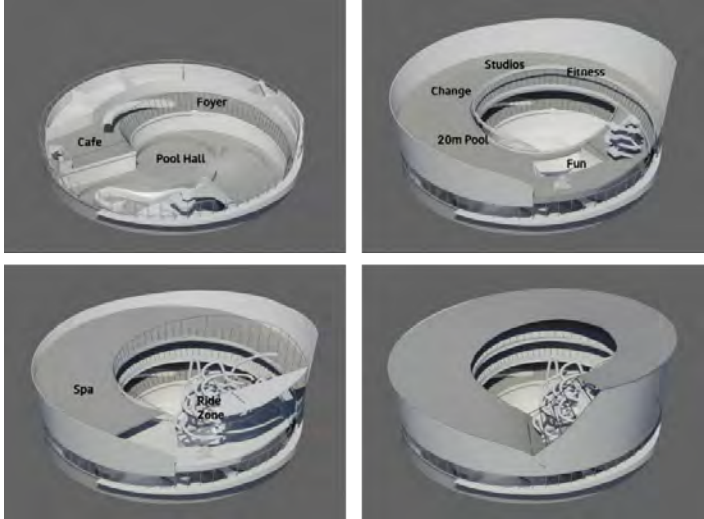
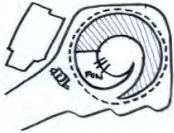
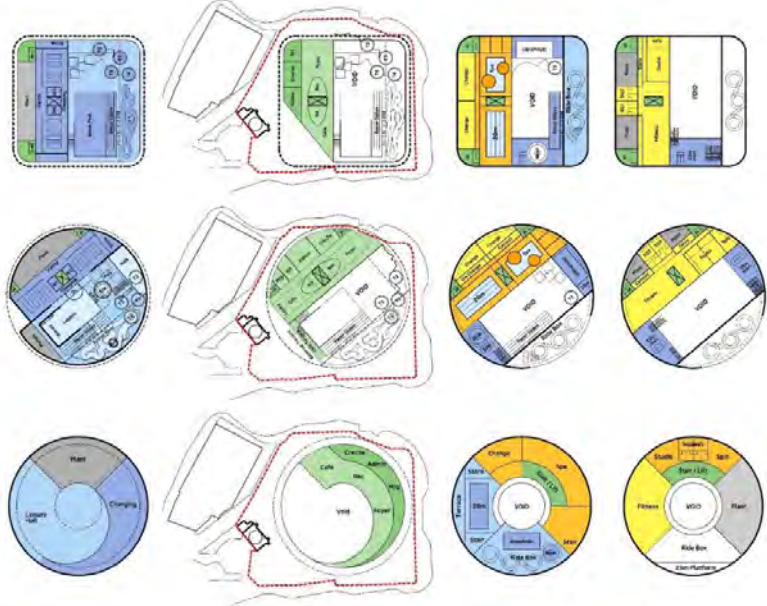
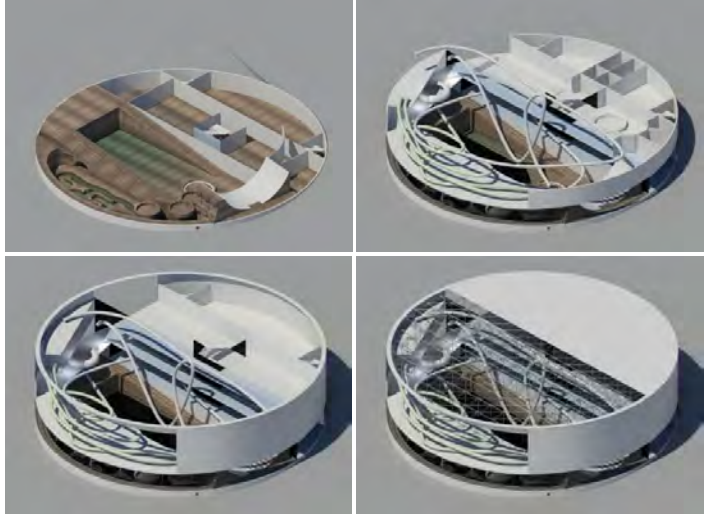
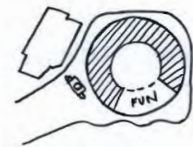
# COVENTRY WATER PARK



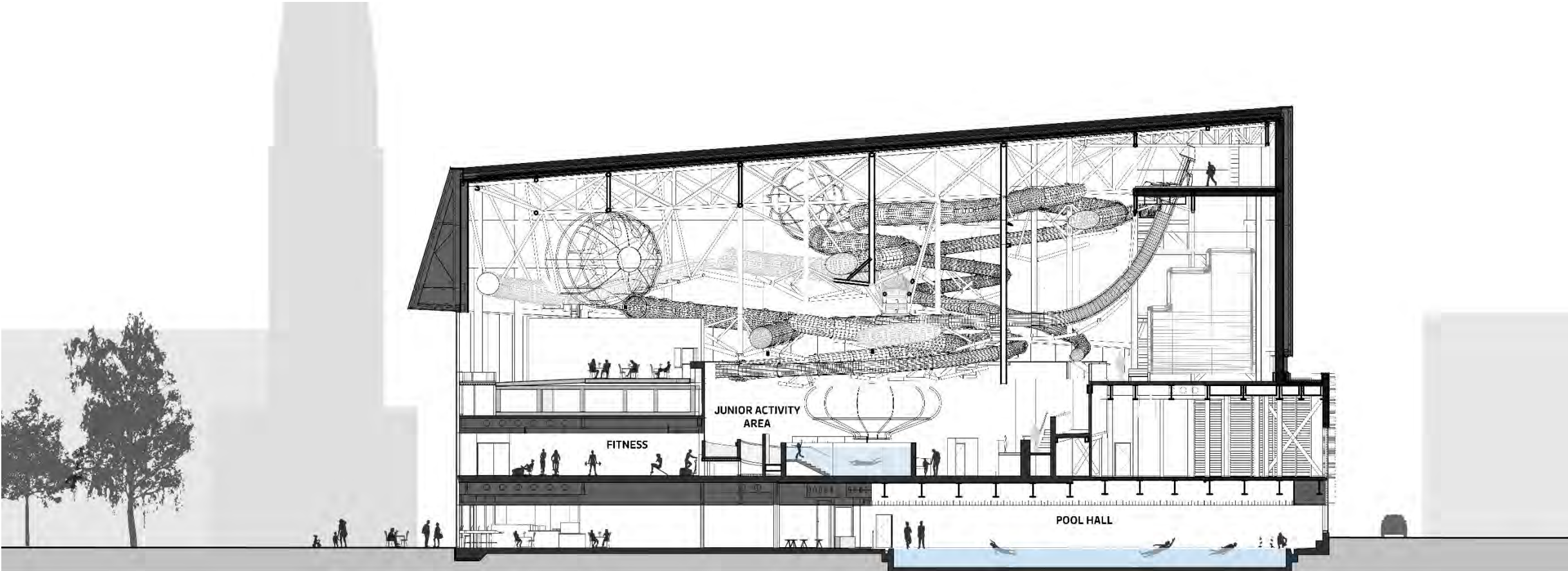
**COVENTRY WATERPARK- BUT NOT THIS!**



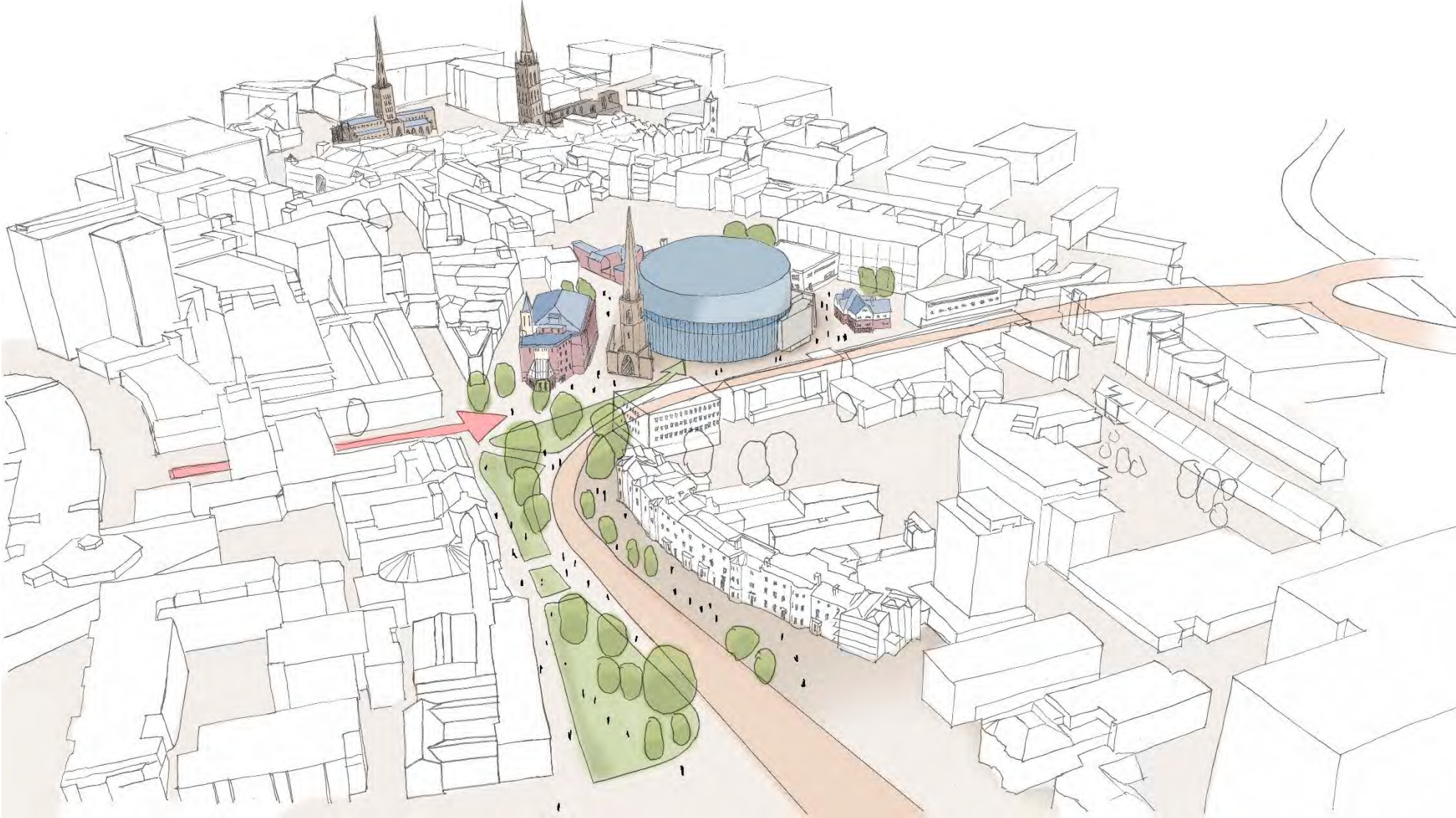
# COVENTRY WATER PARK MASSING STUDIES



# COVENTRY WATER PARK



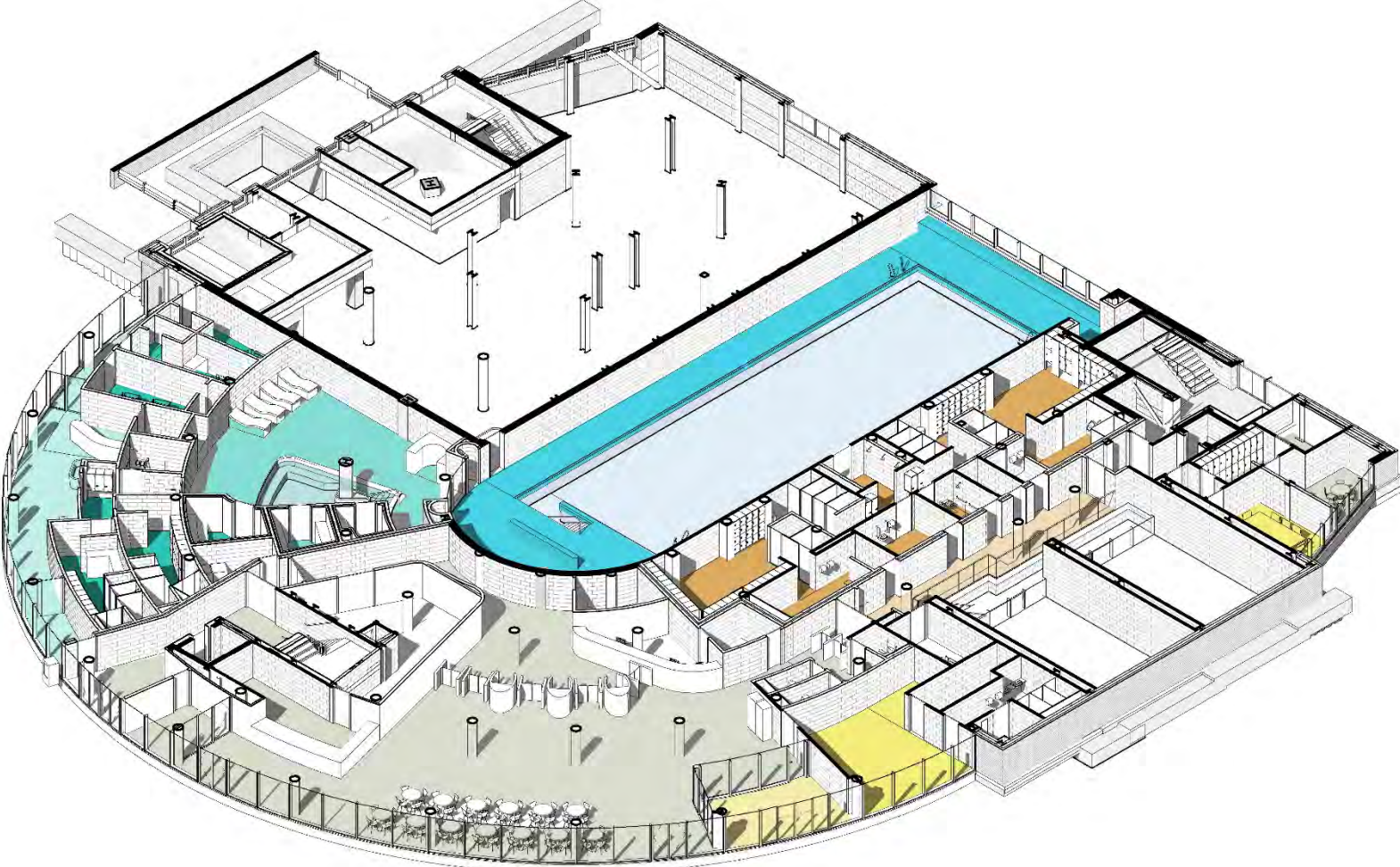
# COVENTRY WATER PARK



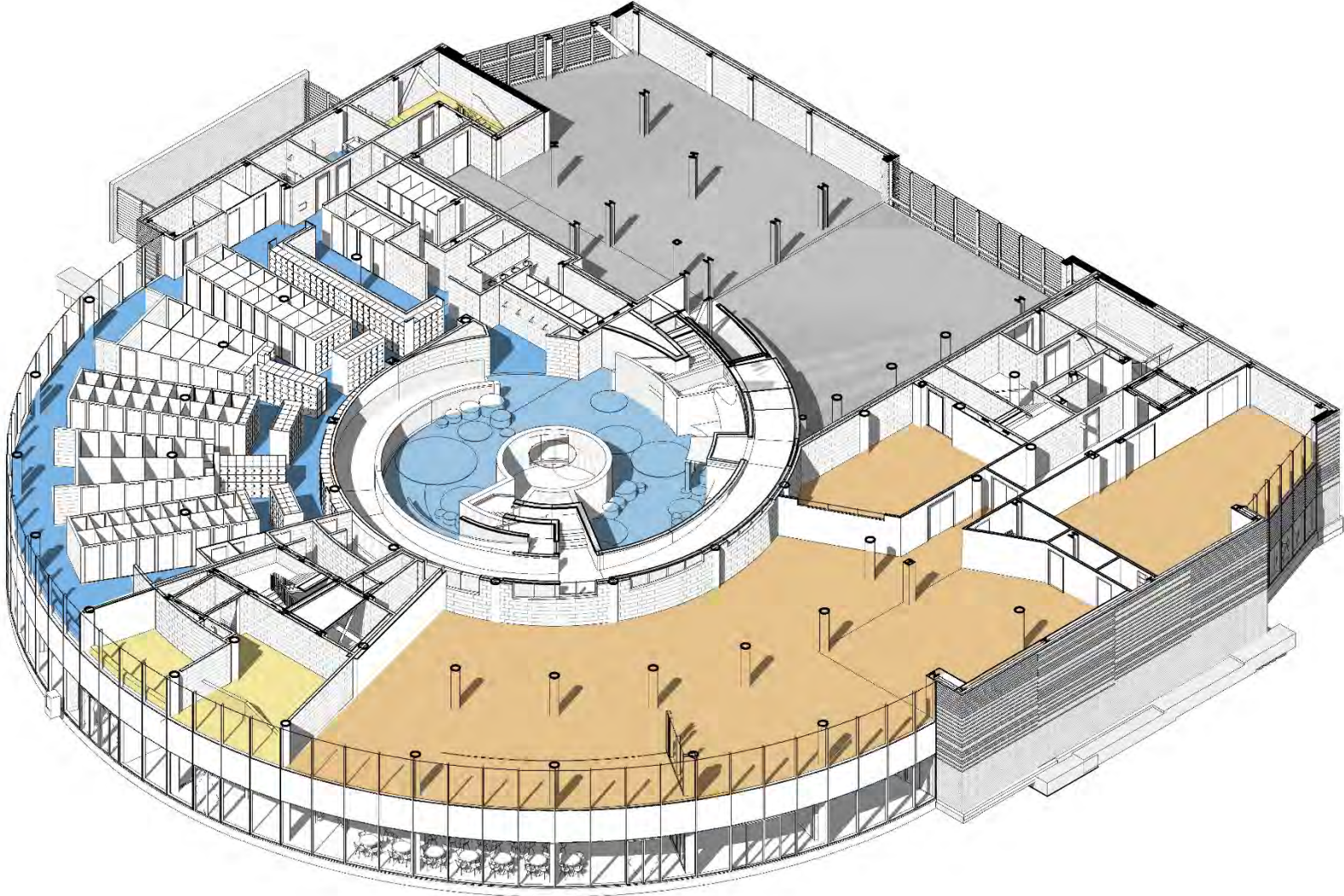




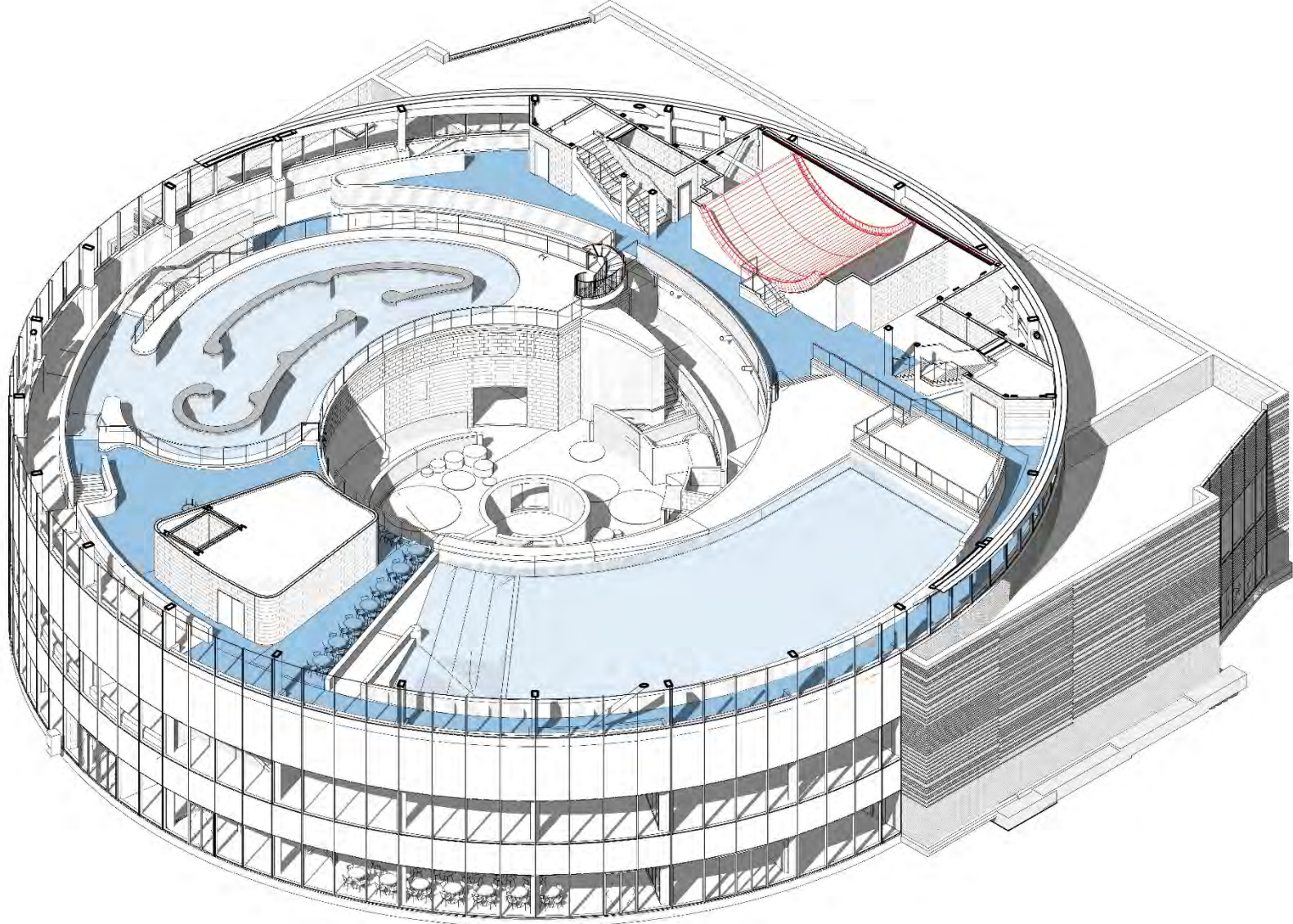
# COVENTRY WATER PARK



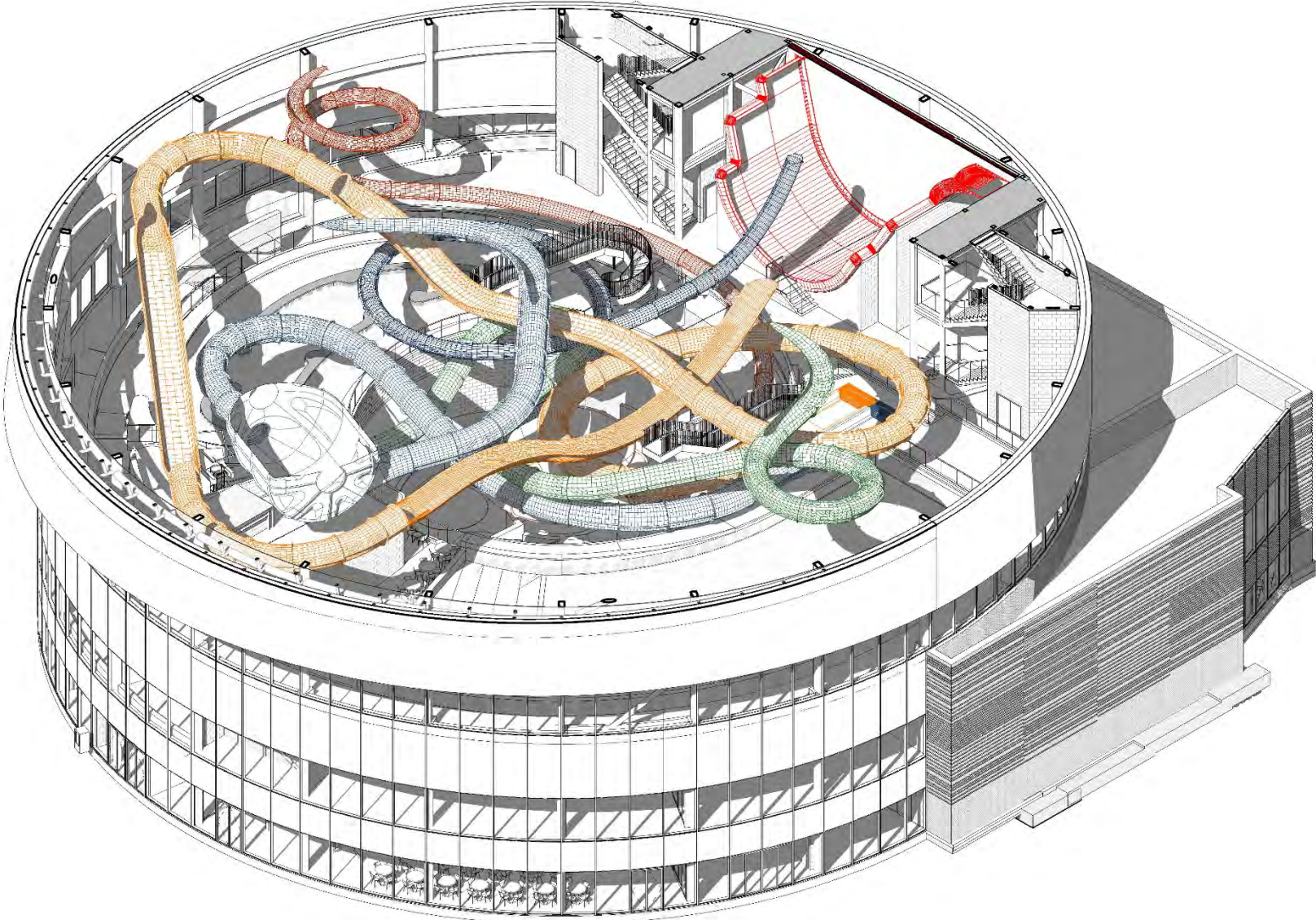
# COVENTRY WATER PARK



# COVENTRY WATER PARK



# COVENTRY WATER PARK



COVENTRY WATER PARK



# COVENTRY WATER PARK



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# BEACON OF LIGHT

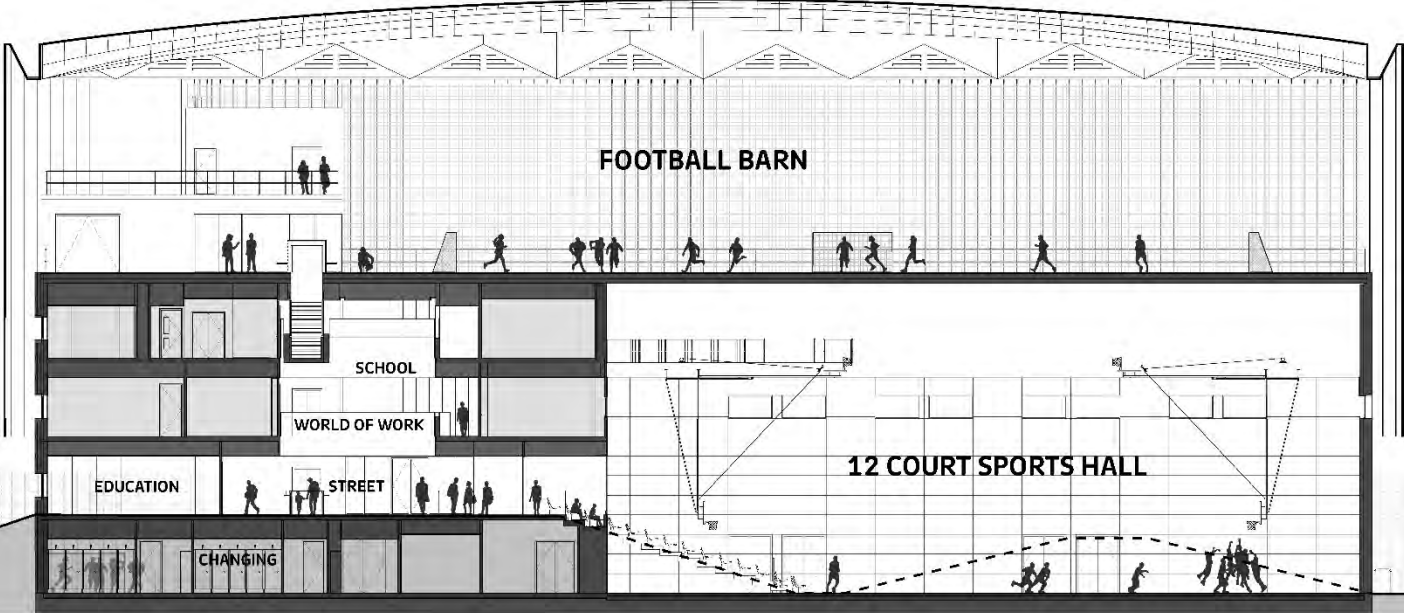


# BEACON OF LIGHT





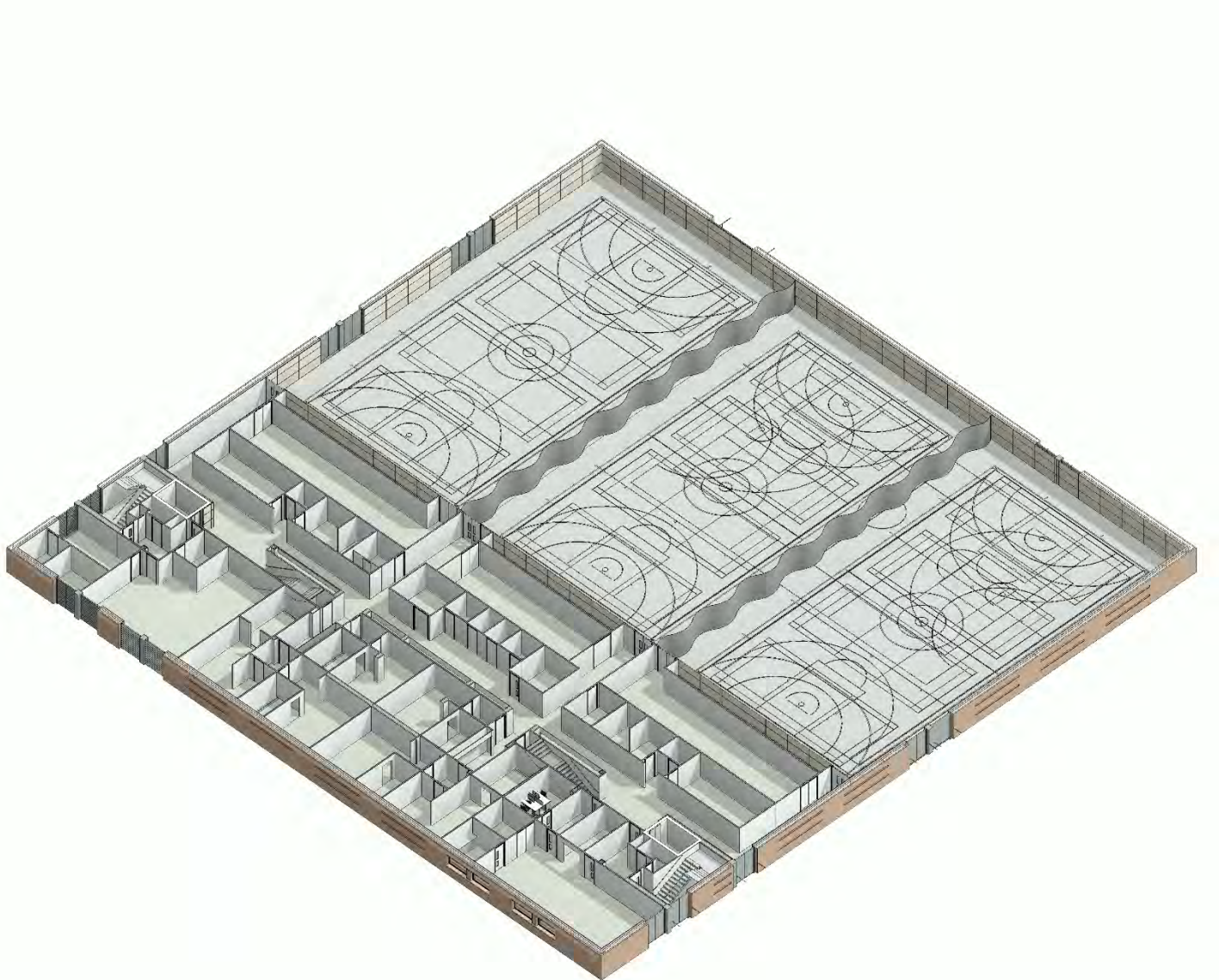
# BEACON OF LIGHT



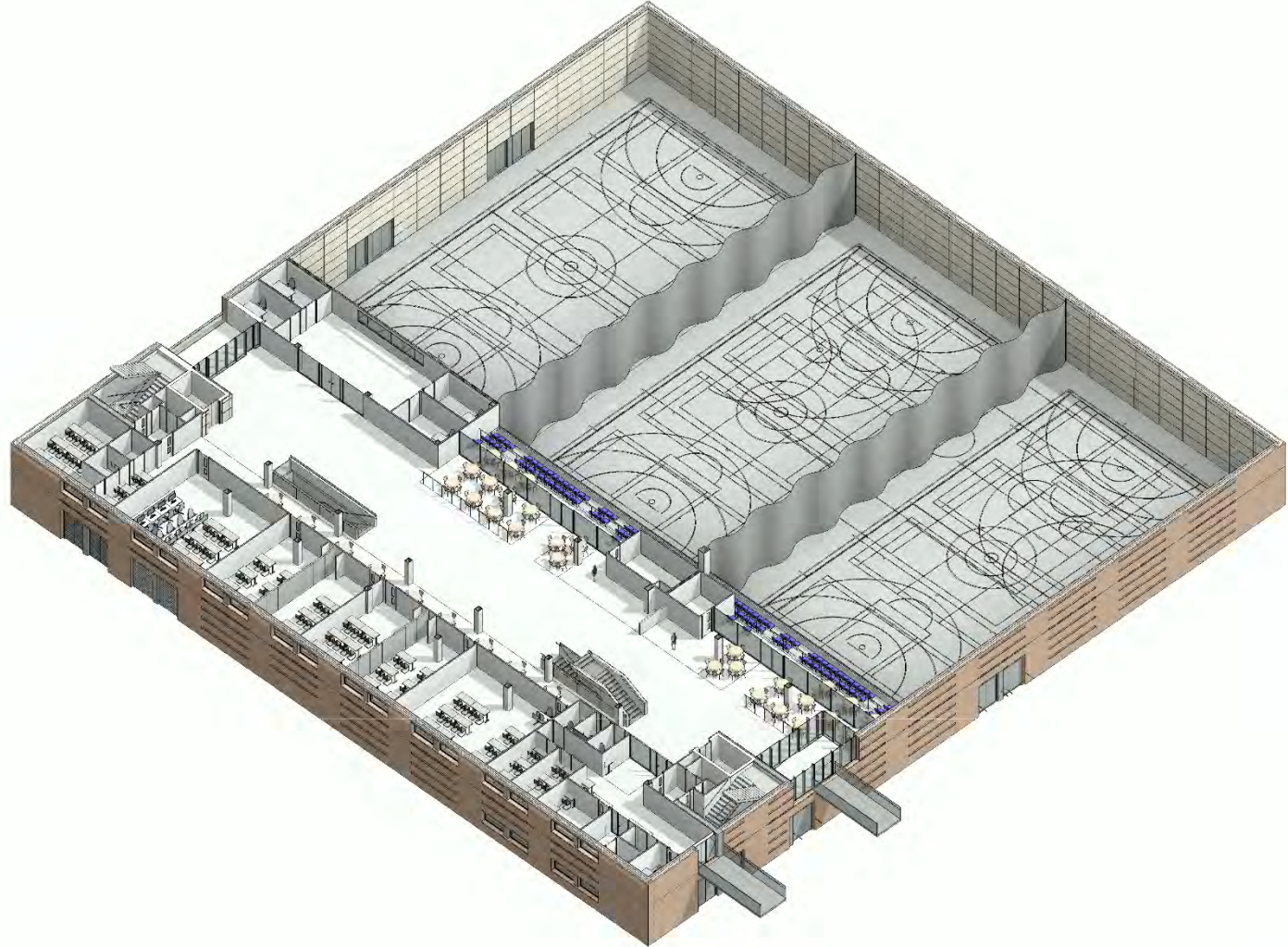
OUTDOOR FOOTBALL PITCHES



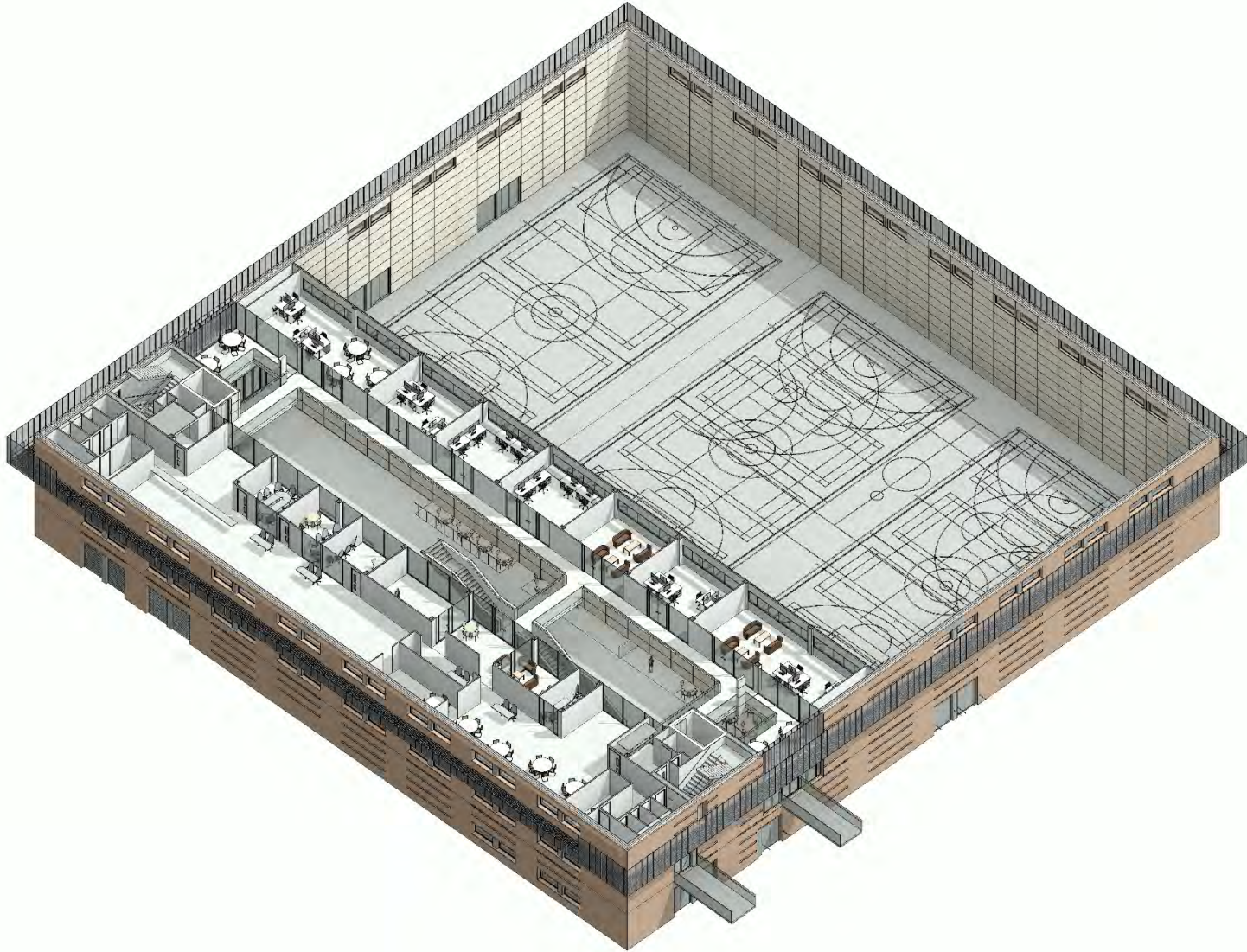
# BEACON OF LIGHTLEVEL 01



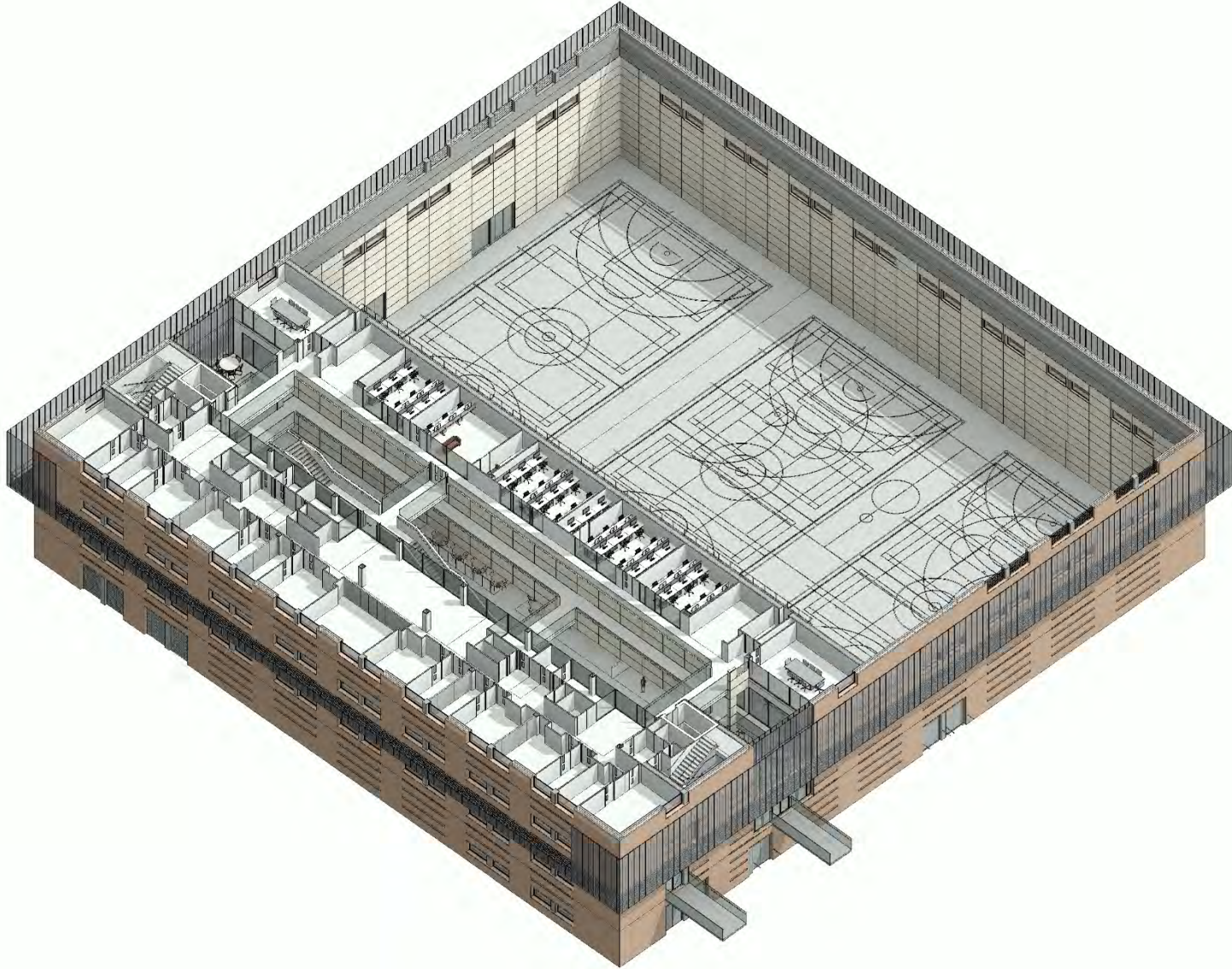
# BEACON OF LIGHTLEVEL 02



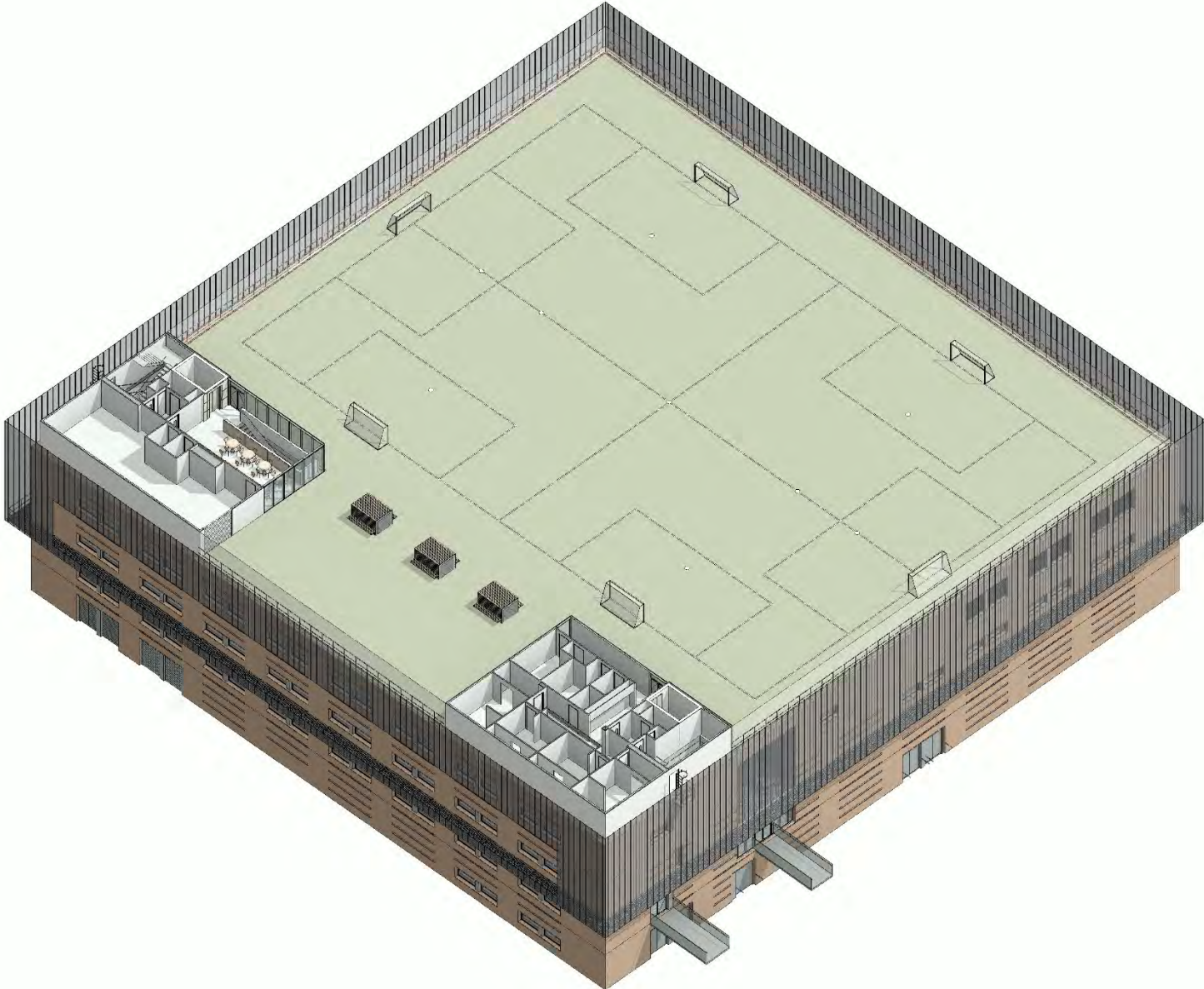
# BEACON OF LIGHTLEVEL 03



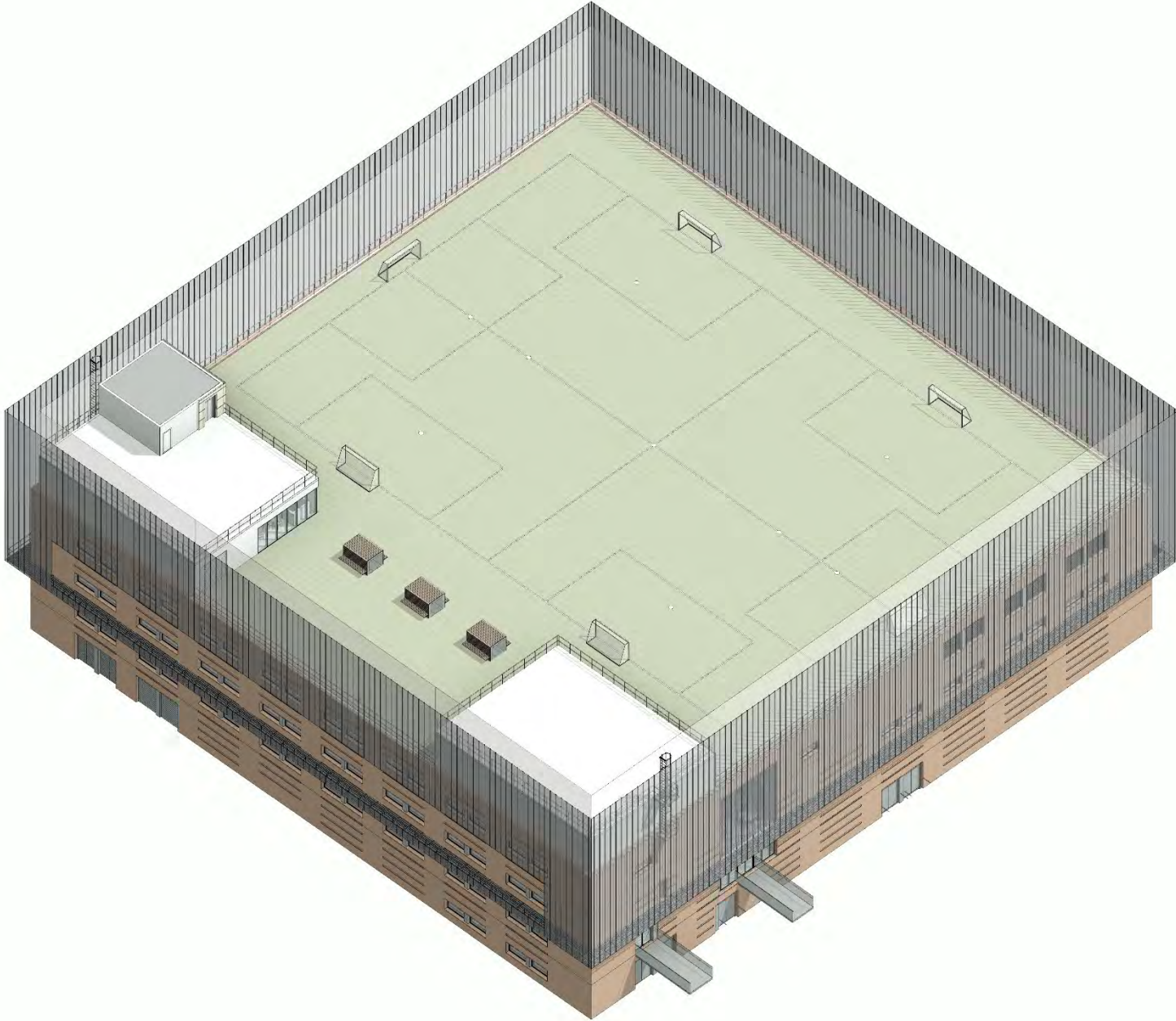
# BEACON OF LIGHTLEVEL 04



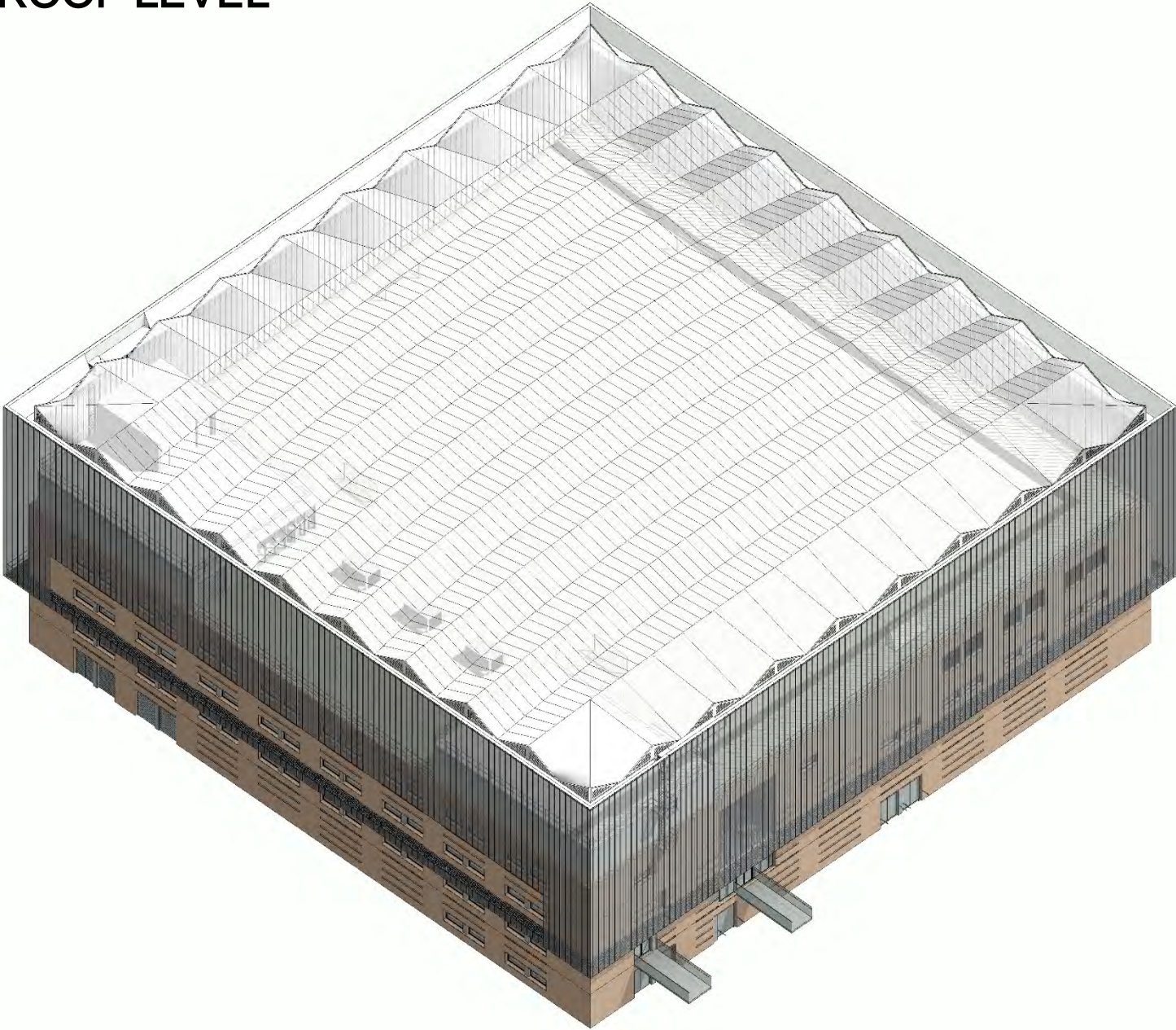
# BEACON OF LIGHTLEVEL 05



BEACON OF LIGHTLEVEL 05A



**BEACON OF LIGHTROOF LEVEL**





# BEACON OF LIGHT



# BEACON OF LIGHT



# BEACON OF LIGHT



# BEACON OF LIGHT



# BEACON OF LIGHT



# BEACON OF LIGHT



# BEACON OF LIGHT



# SPORTCAMP ZUIDERPARK DEN HAAG, THE NETHERLANDS





# INTEGRATION OF SPACES

## University 7,950sqm



Teaching space/ Laboratories 6000.00



3 Sports Halls 1350.00



Dance Space/ Dojo 600.00

## School 1,250sqm

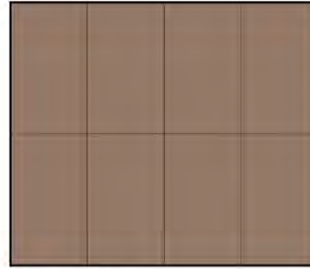


General teaching space 1200.00

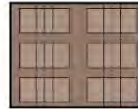


1 Sports Hall 450.00

## Municipality 20,000sqm



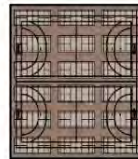
Support spaces 11 700.00



Beach Hall 1840.00



Gymnastics 1440.00



Sports Hall 2690.00

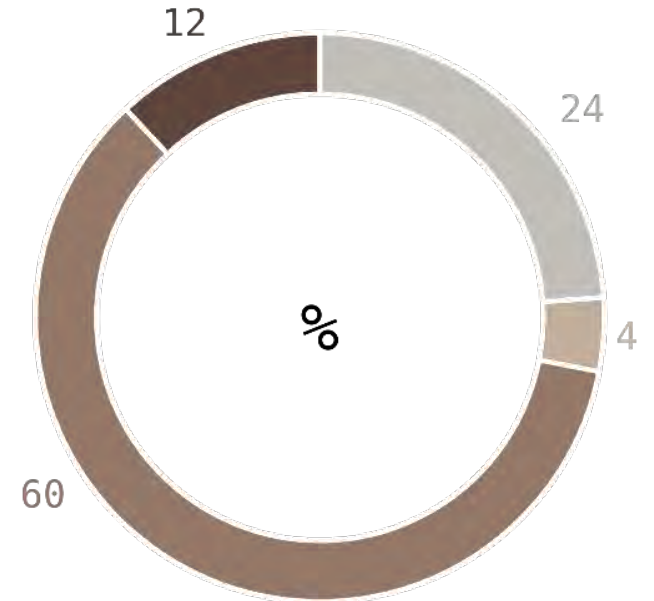


3500 Seat Arena 2330.00

## Housing Association 3,805sqm



Administration and support 3805.00



Percentage share of area brief

# 33,000m<sup>2</sup>

Total Building Area

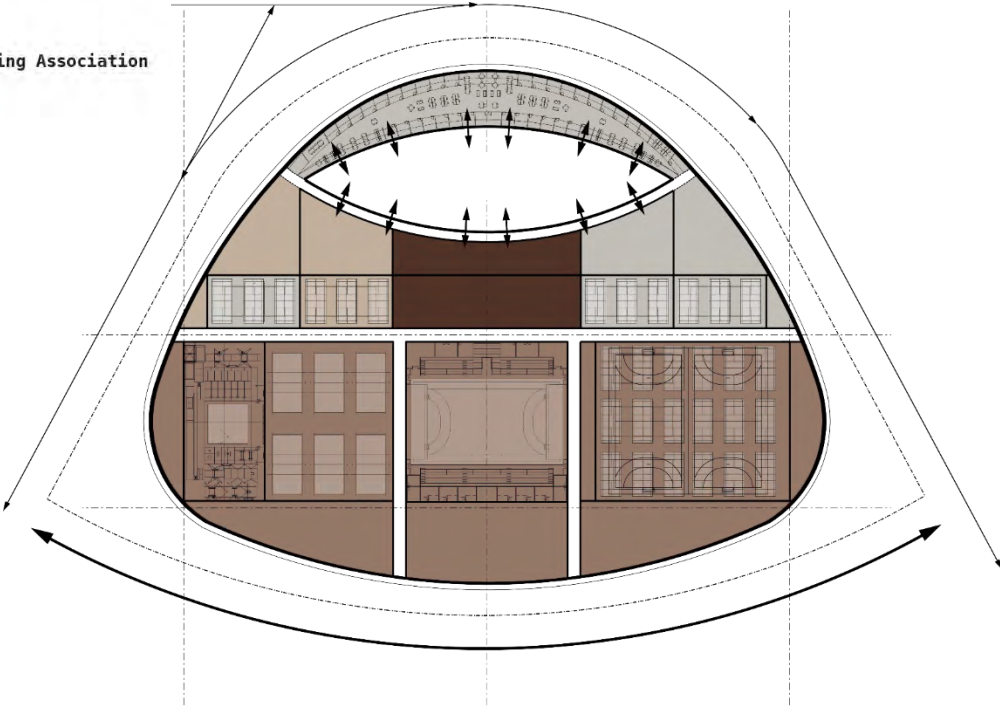
# THE SITE RESPONSE



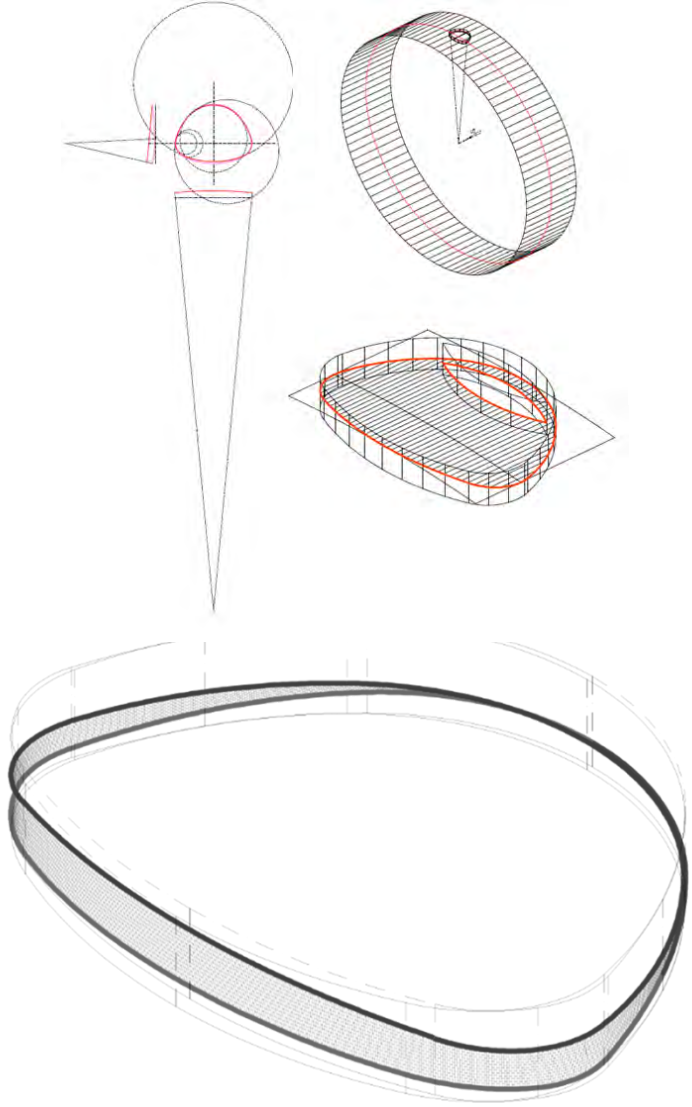
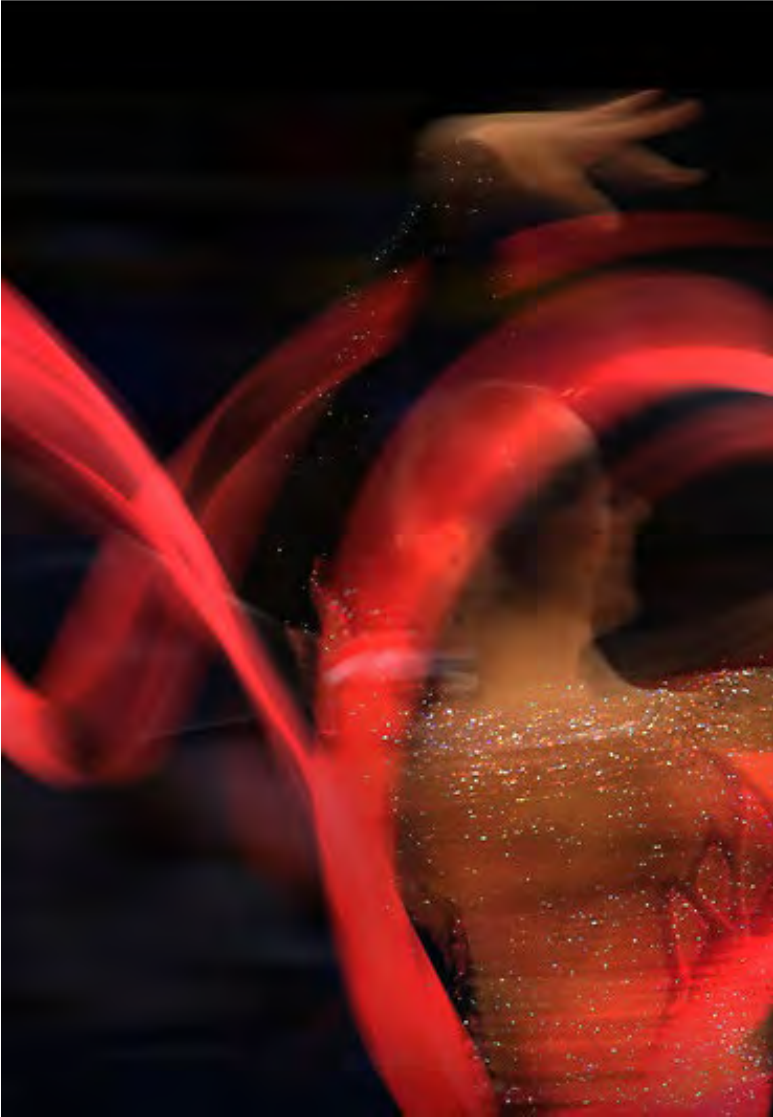
# RESPONDING TO CONTEXT



- University**  
Haagse Hogeschool
- School**  
ROC Mondrian School
- Municipality**  
Municipality of the Hague
- Housing Association**



# DYNAMIC RIBBON CONCEPT



# ANIMATED ARRIVAL SPACE



# SOCIAL FORUM



# SHOWCASING EXCELLENCE



# COMMUNITY RECREATION



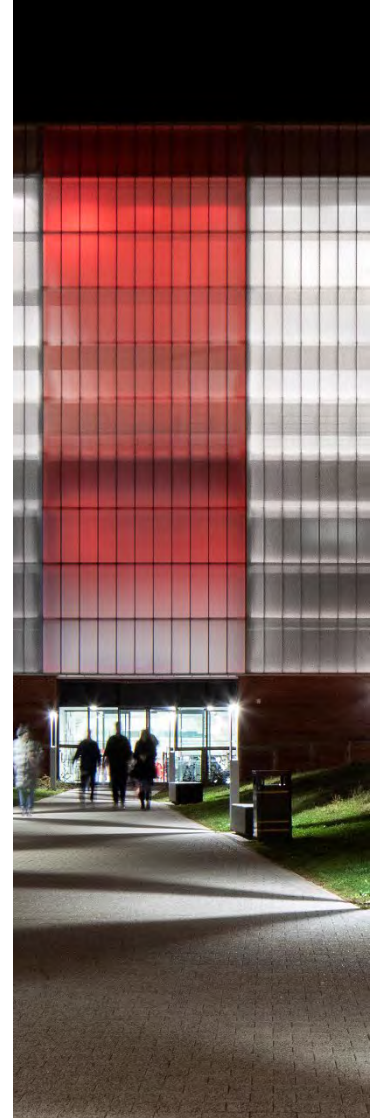


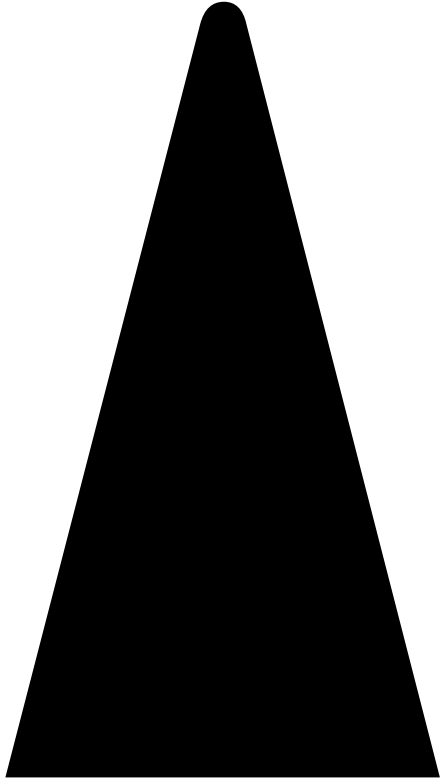
# PERFORMANCE TRAINING



# INSPIRING PARTICIPATION







The End  
Danke vielmals

