

**CAMBRIDGE RECREATION COMPLEX AND LIBRARY**  
**2023-09-26**

**MJMA**  
ARCHITECTURE & DESIGN

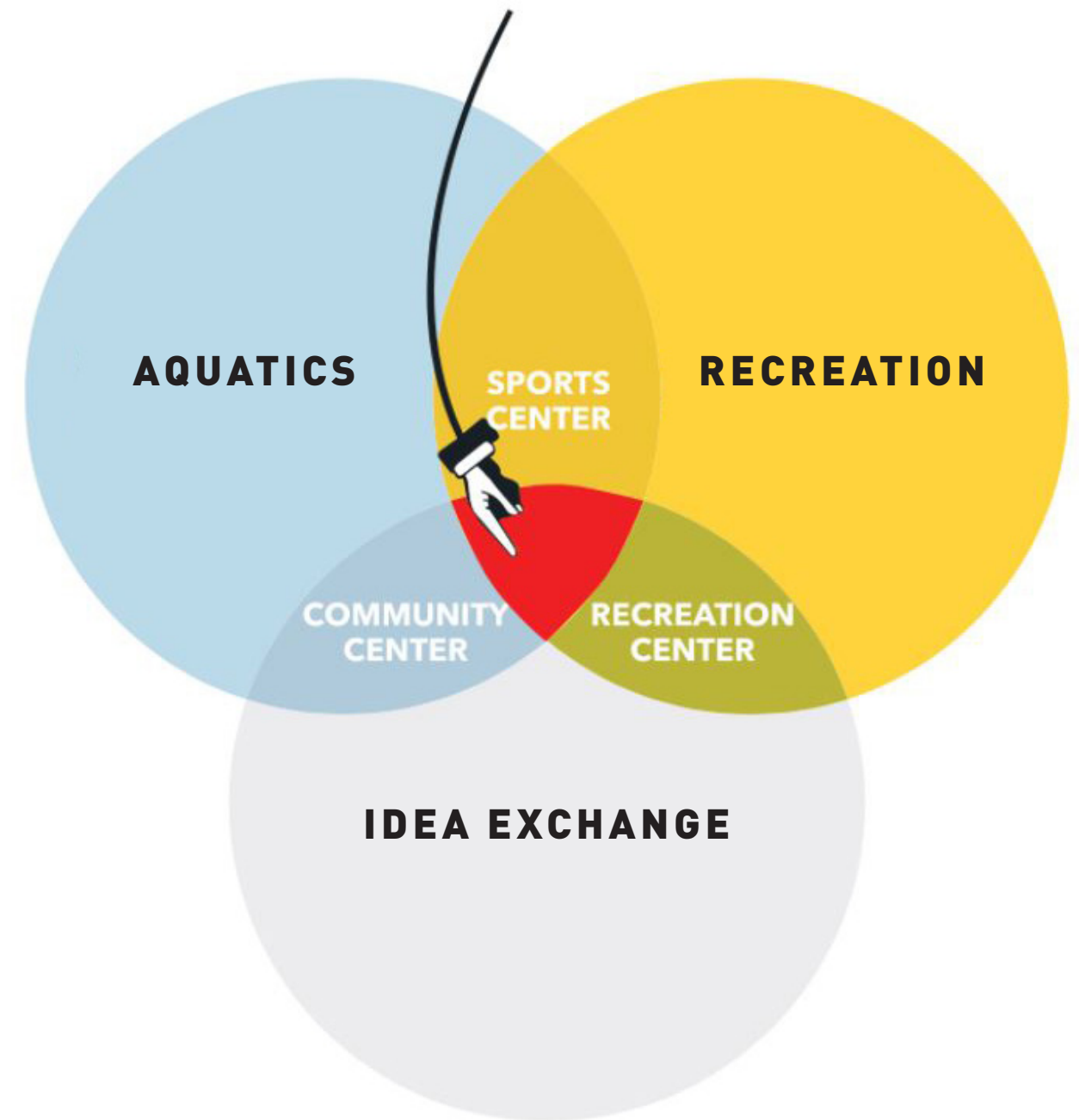
# GUIDING PRINCIPLES



# GUIDING PRINCIPLES

- **CREATE A VIBRANT, INVITING AND MULTI-GENERATIONAL COMMUNITY HUB**
- **LEVERAGE SHARING OPPORTUNITIES**
- **PROGRAM PROMINENCE AND IDENTITY**
- **ANIMATE STREETScape AND CREATE DISTINCT IDENTITY FOR EACH PARTNER**
- **PROVIDE A SAFE AND SECURE DESIGN**
- **FACILITATE FLEXIBILITY**
- **MAXIMIZE GREEN SPACE**
- **ENCOURAGE ACTIVE TRANSPORTATION**
- **INCORPORATE SUSTAINABLE DESIGN**

## DYNAMIC SOCIAL HEART



# SUSTAINABILITY - CURRENT TARGET

## ON TRACK FOR LEED GOLD

### WESLEY BLVD

LEED® BD+C v4 New Construction and Major Renovation Detailed Scorecard

footprint

22596-001

August 1, 2023

Targeted	Pending	Not Pursued	Targeted LEED Rating: Gold Current LEED Rating: Gold	
65	16	29	TOTAL POINTS	
Certified: 40 - 49 points   Silver: 50 - 59 points   Gold: 60 - 79 points   Platinum: 80+ points				



## PLUS

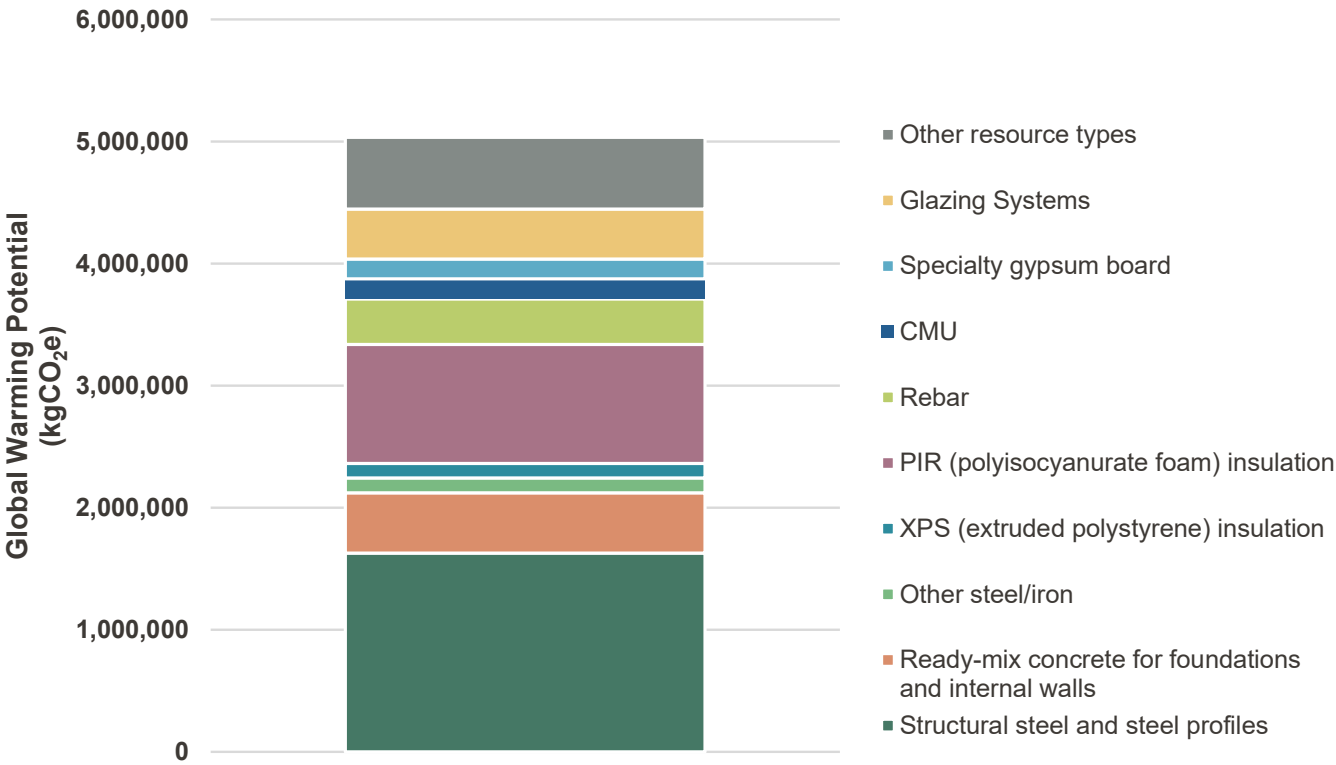
- ELECTRIFIED BUILDING
- UPGRADED HIGH-PERFORMANCE WINDOW AND WALL SYSTEM
- UPGRADED BUILDING ENVELOPE DETAILS
- SOLAR PANEL READY

# SUSTAINABILITY - FUTURE TARGET

## NET ZERO CARBON



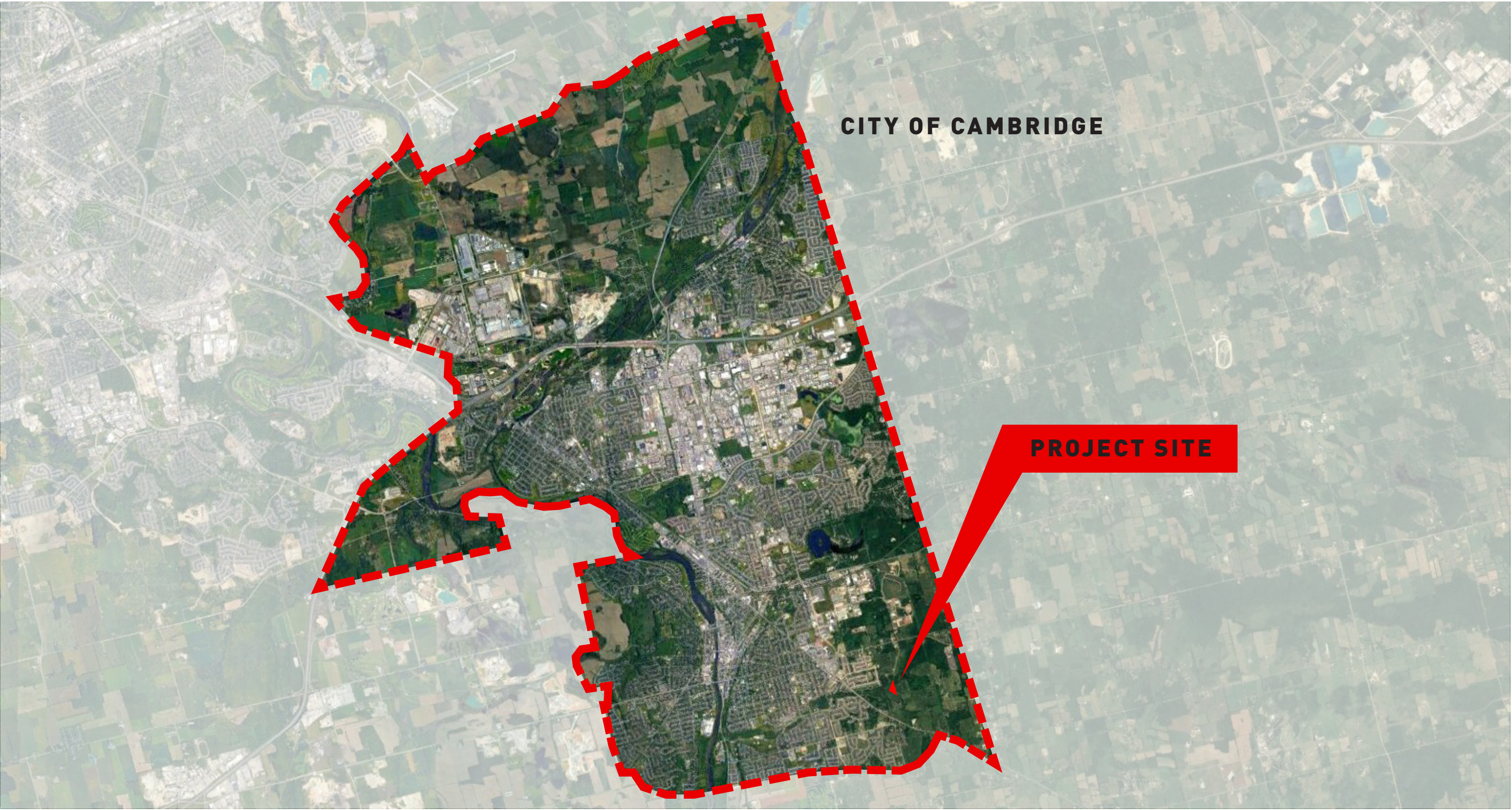
FIGURE 4: GLOBAL WARMING POTENTIAL BY MATERIAL



# SITE AND CONTEXT

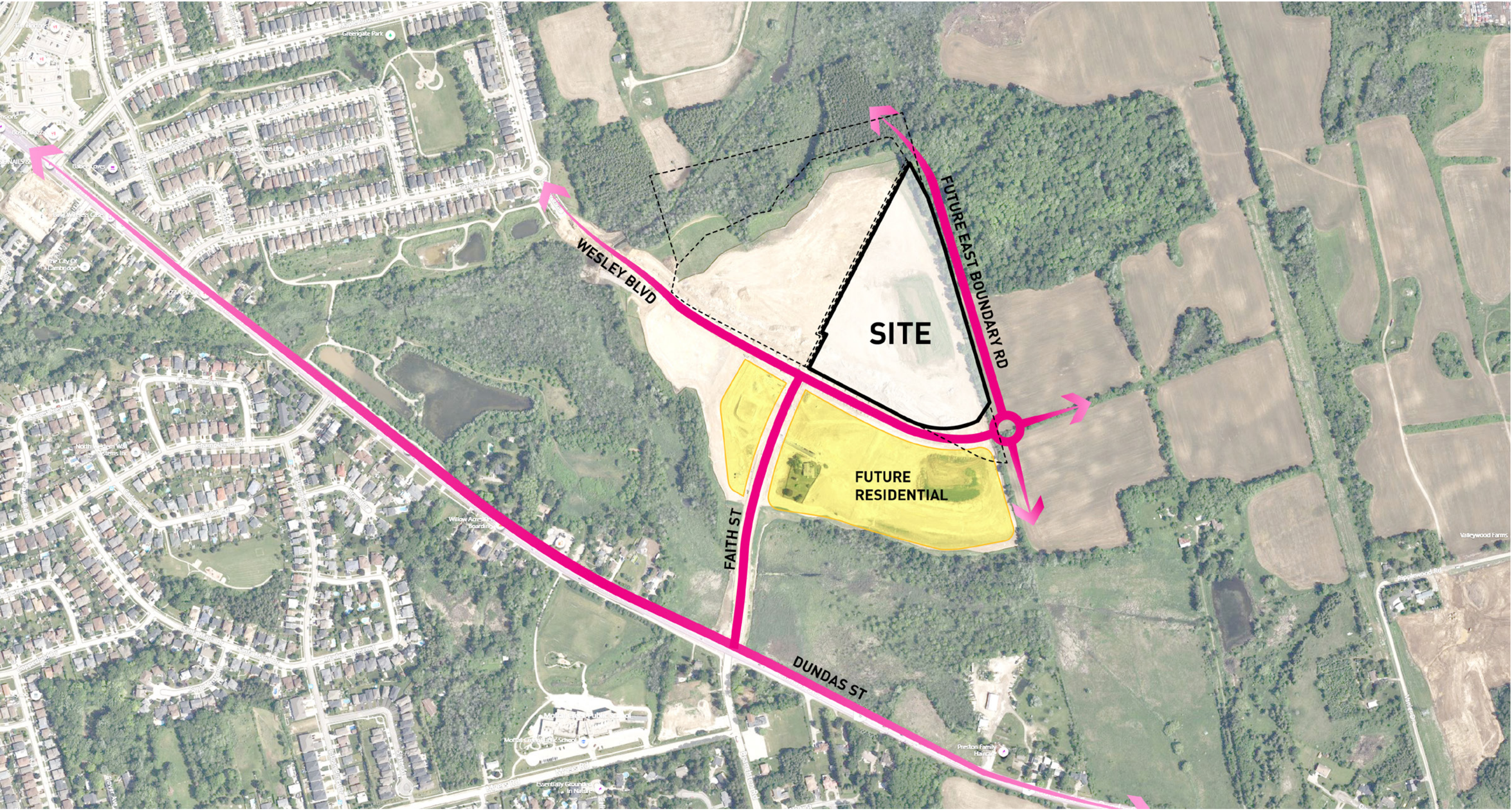


# SITE





# SITE





# **SITE PLAN RECAP**



# OVERALL SITEPLAN / MUP \* CRCL

- 1 Parking lot (382 spots)
- 2 Parking entrance plaza
- 3 Reading garden
- 4 Covered porch
- 5 Central green + water feature
- 6 Trail head
- 7 Wild play + fitness park
- 8 Playground entrance
- 9 Picnic grove
- 10 Maintenance area
- 11 Pickleball courts (4)
- 12 Basketball court
- 13 Adventure trail
- 14 Multi-use trail
- 15 Trail head
- 16 Trail head





# PUBLIC ART - POTENTIAL LOCATIONS



“stumble upon” art



sports court mural



view from pool



“playful” art



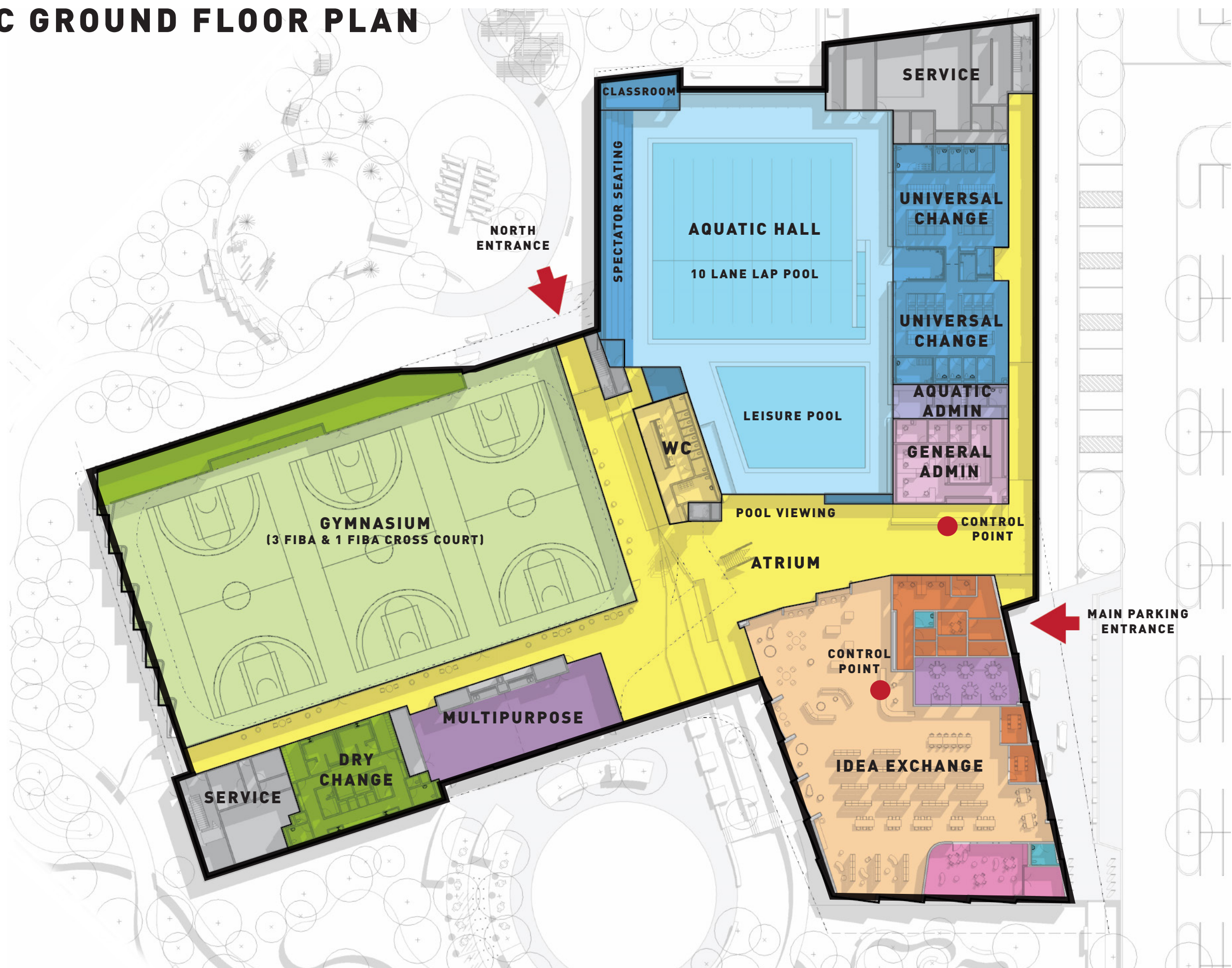
intimate sculpture



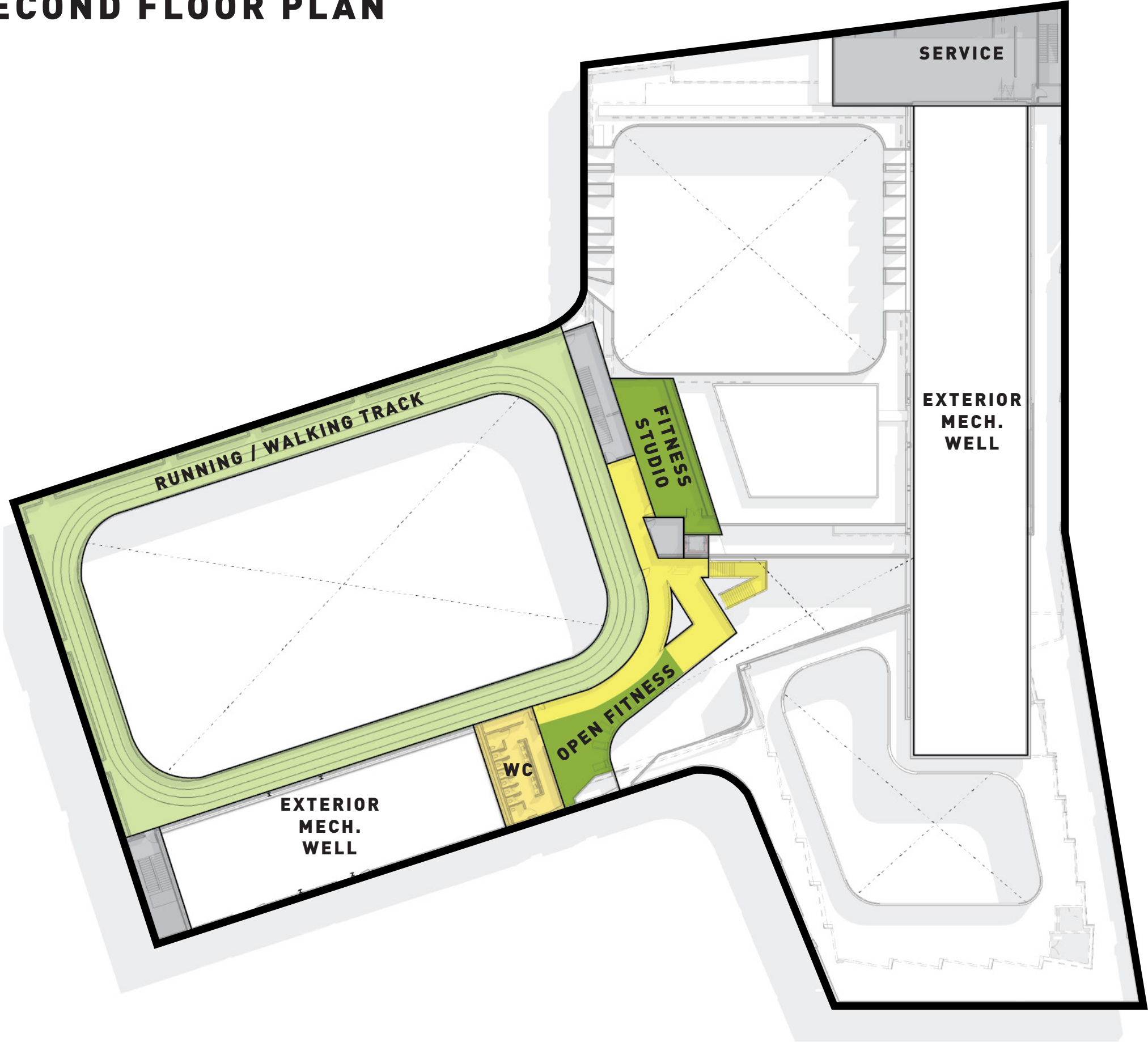


# SCHEMATIC PLANS OVERVIEW

# SCHEMATIC GROUND FLOOR PLAN



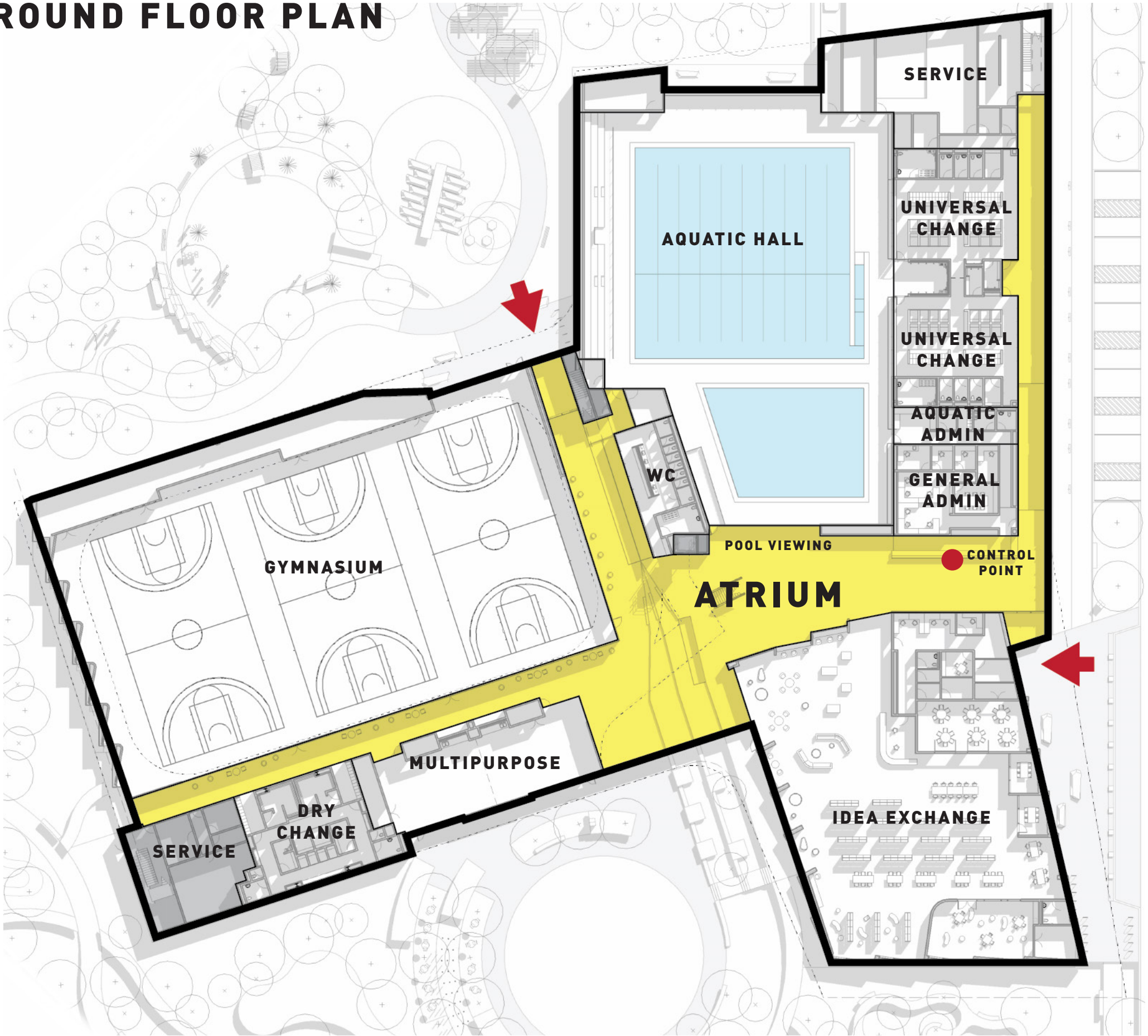
SCHEMATIC SECOND FLOOR PLAN



# **SCHEMATIC DESIGN - ATRIUM**

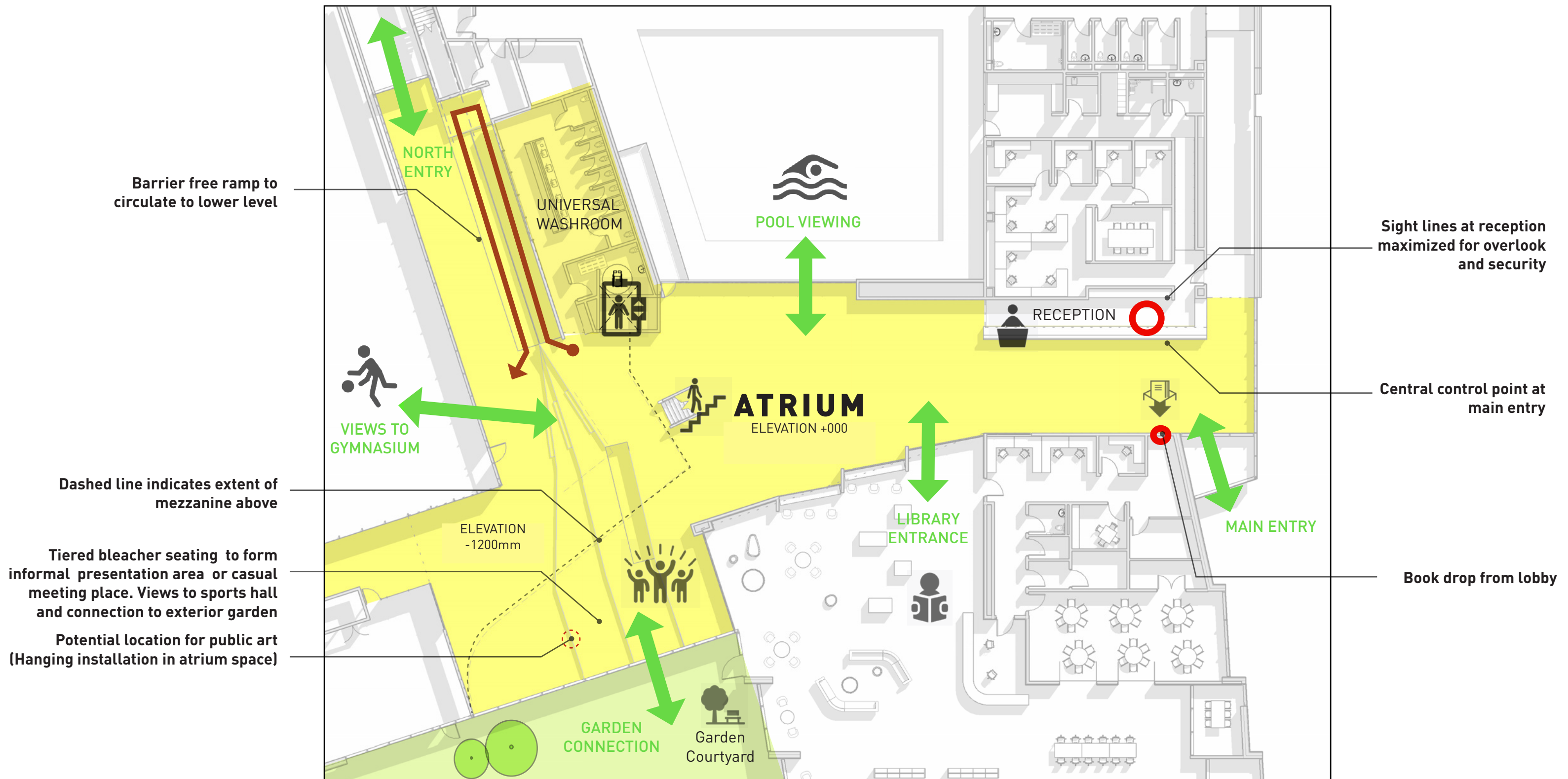


# SCHEMATIC GROUND FLOOR PLAN



# ATRIUM

## SCHEMATIC DESIGN





# ATRIUM OVERVIEW

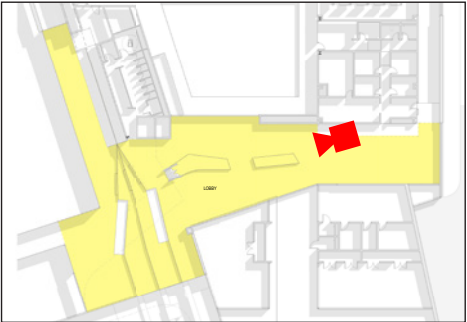






**ATRIUM**  
**VIEW FROM RECEPTION**

Cambridge Recreation Complex and Library

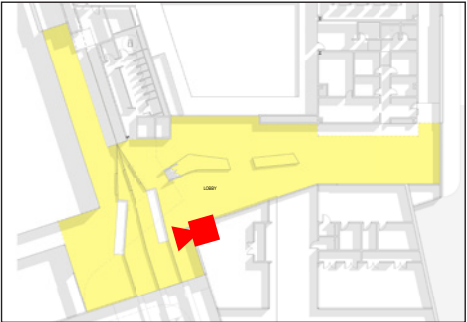






**ATRIUM**  
**TIERED SEATING AT LOWER ATRIUM**

Cambridge Recreation Complex and Library

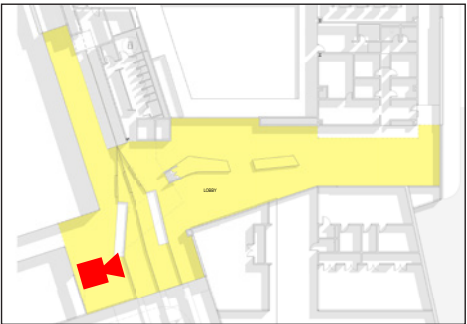






**ATRIUM**  
**TIERED SEATING AT LOWER ATRIUM**

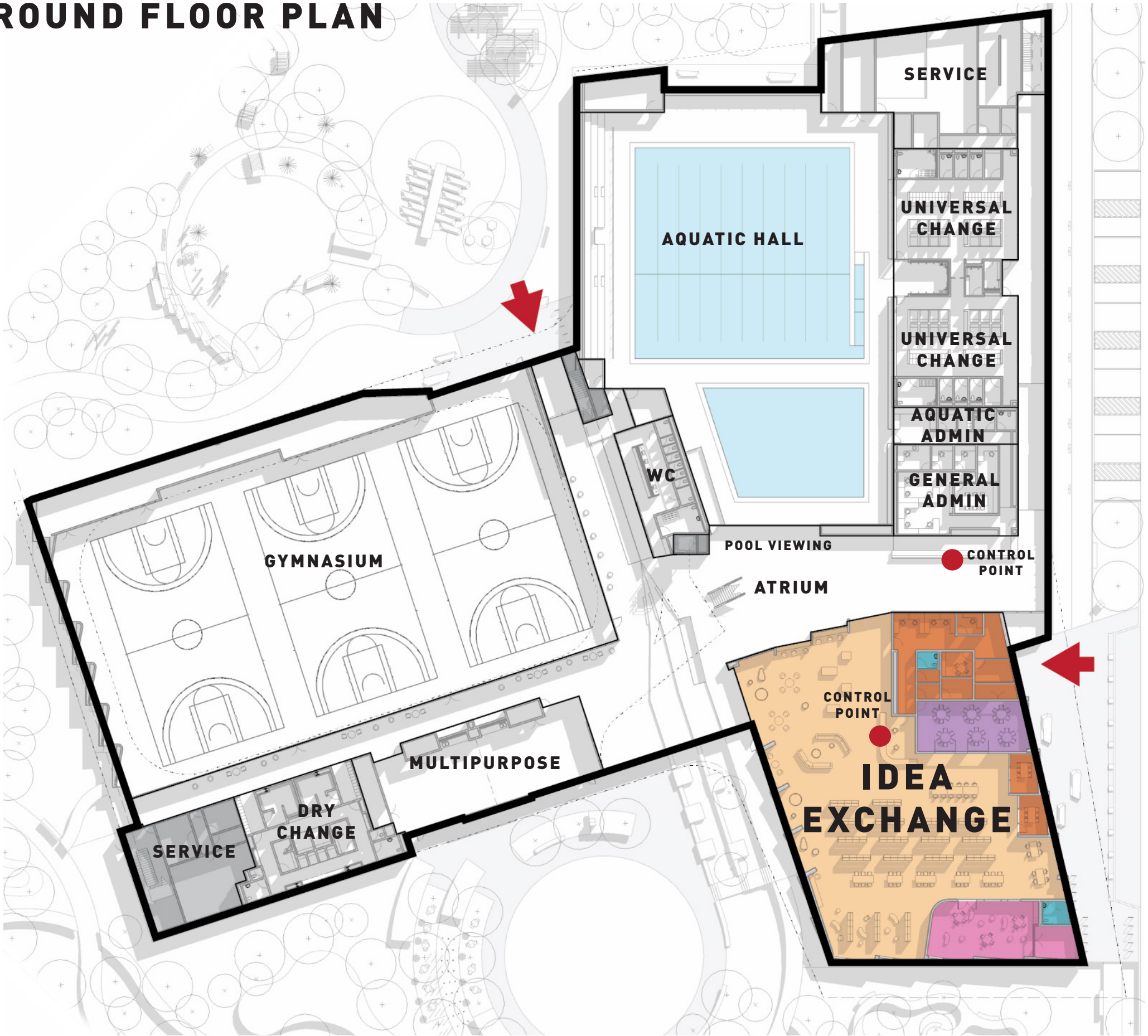
Cambridge Recreation Complex and Library





# **SCHEMATIC DESIGN - IDEA EXCHANGE**

# SCHEMATIC GROUND FLOOR PLAN





# IDEA EXCHANGE

## UPDATED PLAN







**IDEA EXCHANGE**  
**LOOKING TOWARDS ATRIUM**

Cambridge Recreation Complex and Library







**IDEA EXCHANGE**  
**OPEN AREA - STACKS**

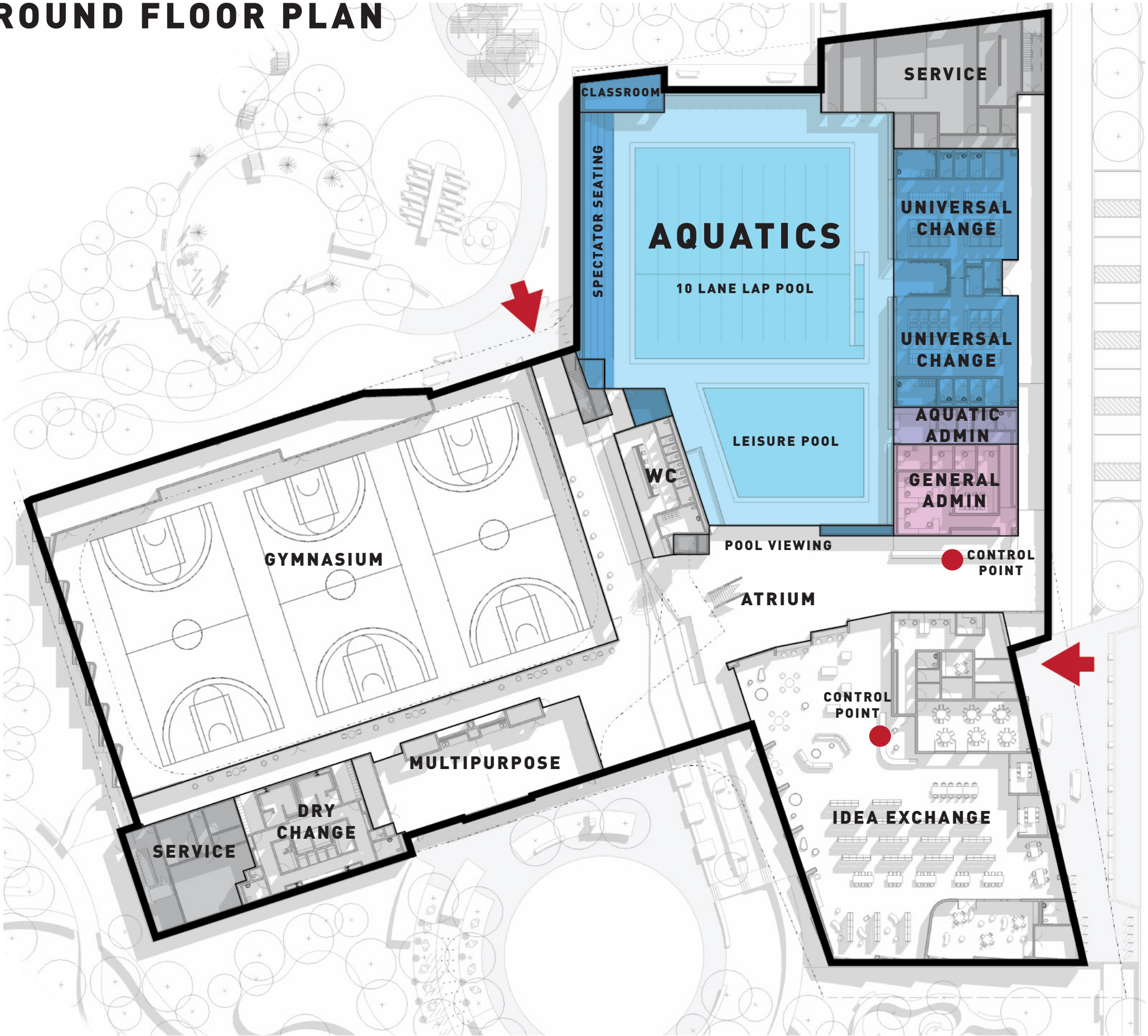
Cambridge Recreation Complex and Library





# **SCHEMATIC DESIGN - AQUATICS**

# SCHEMATIC GROUND FLOOR PLAN

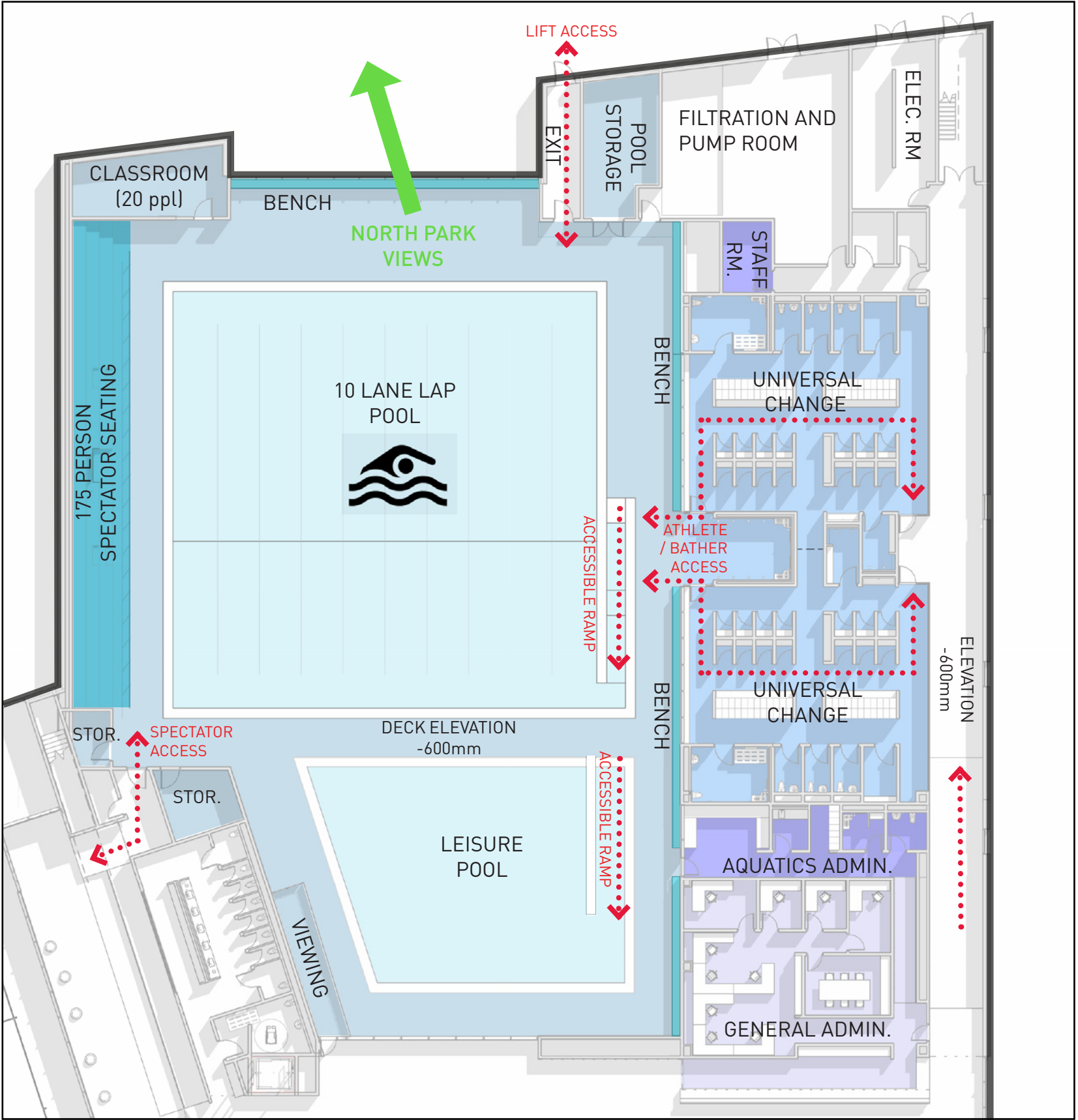


# POOL HALL FLOOR PLAN

ON-DECK BENCH SEATING:  
120 PERSONS

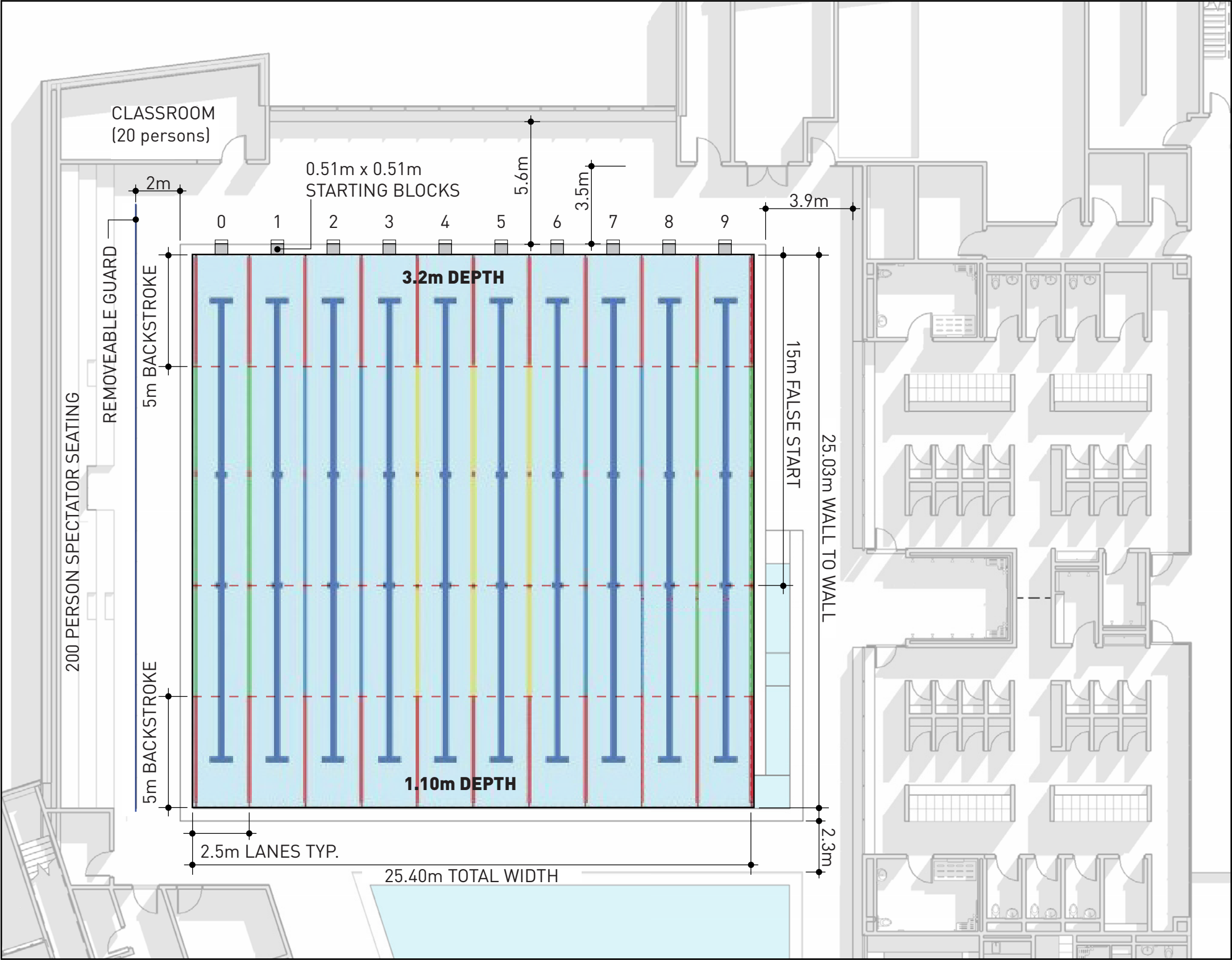
SPECTATOR SEATING:  
175 PERSONS

**TOTAL SEATING:  
295 PERSONS**



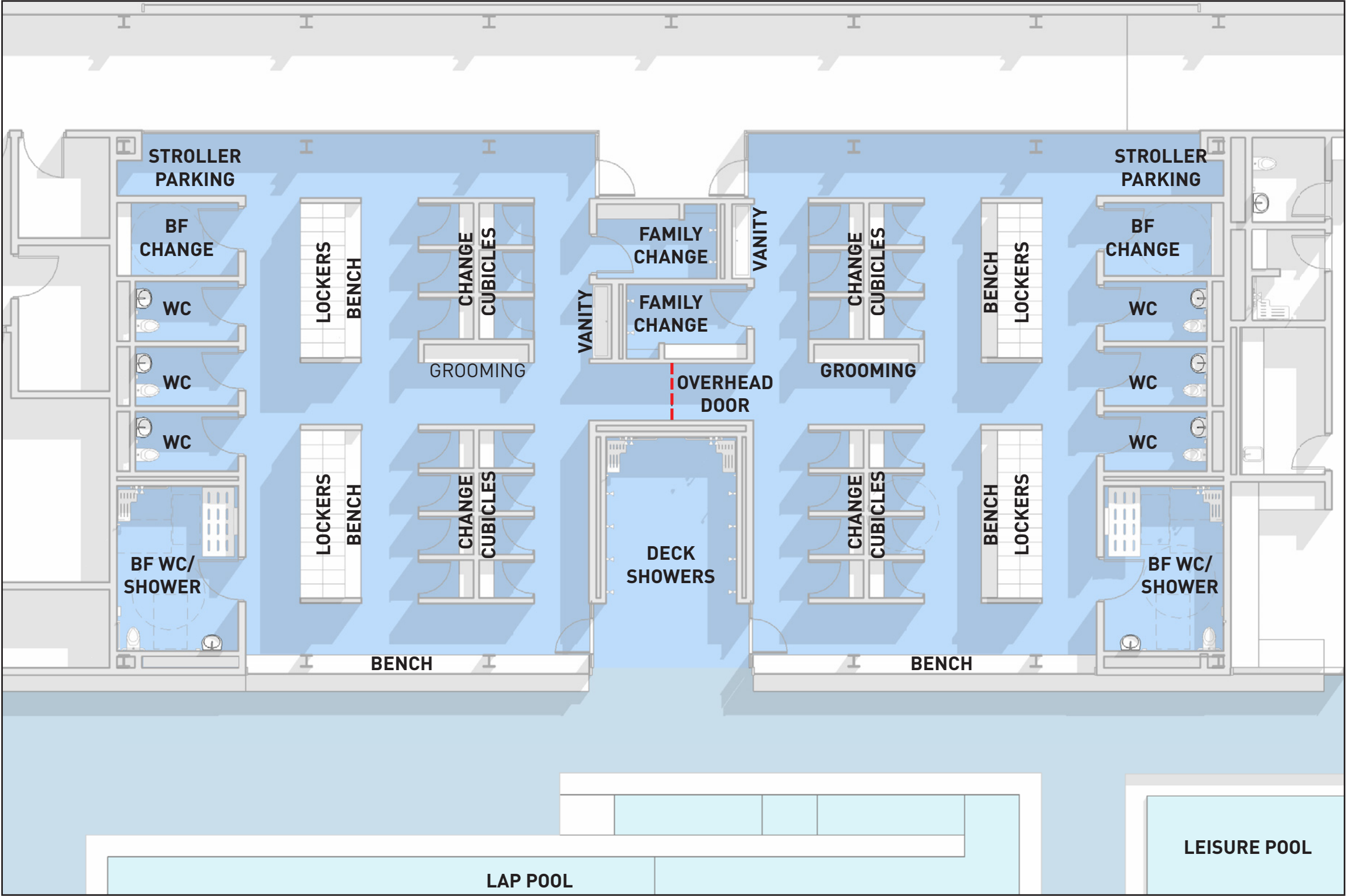
# LAP POOL

## COMPETITION MODE AND FINA REGULATIONS

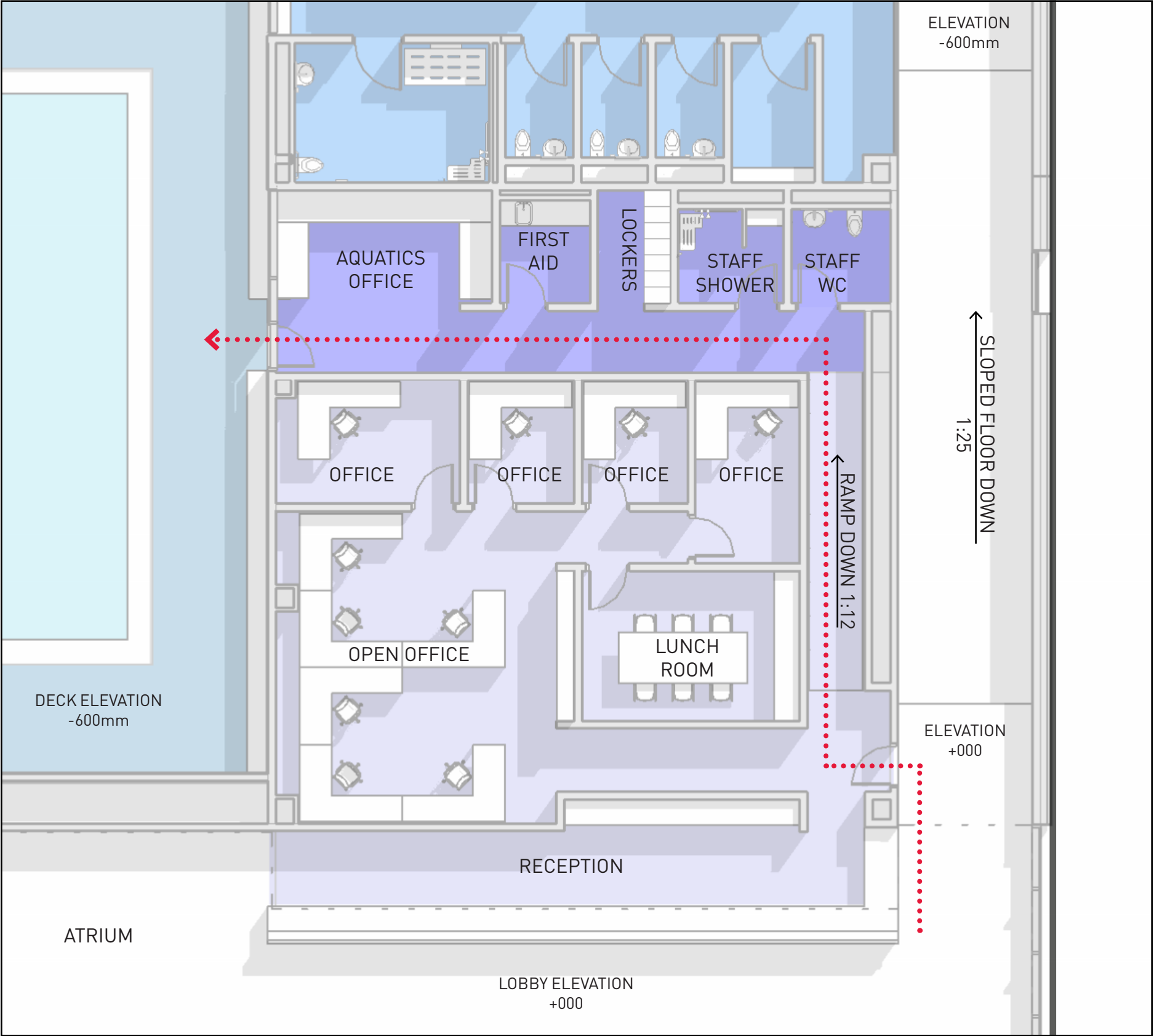




**POOL**  
**UNIVERSAL CHANGE ROOMS**



# ADMINISTRATION AREAS FLOOR PLAN

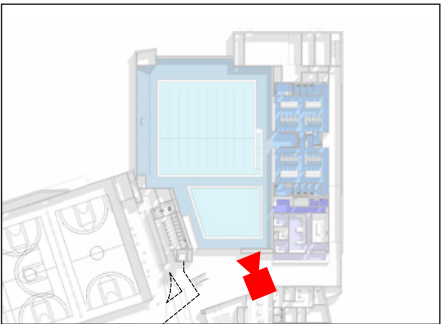






**POOL**  
**POOL VIEWING GALLERY**

Cambridge Recreation Complex and Library

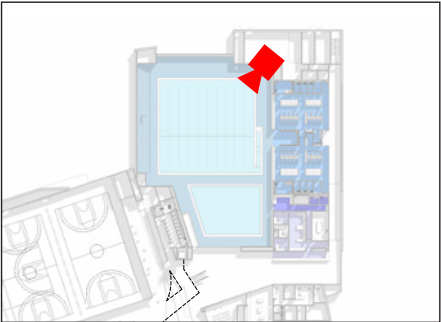






**POOL**  
**10-LANE LAP POOL**

Cambridge Recreation Complex and Library

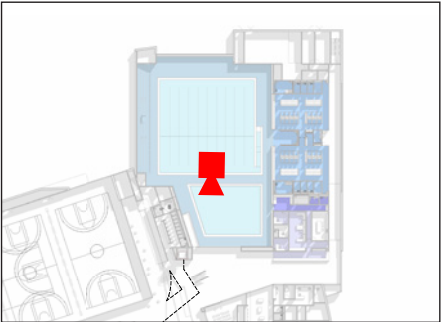






**POOL**  
**LEISURE POOL BASIN**

Cambridge Recreation Complex and Library

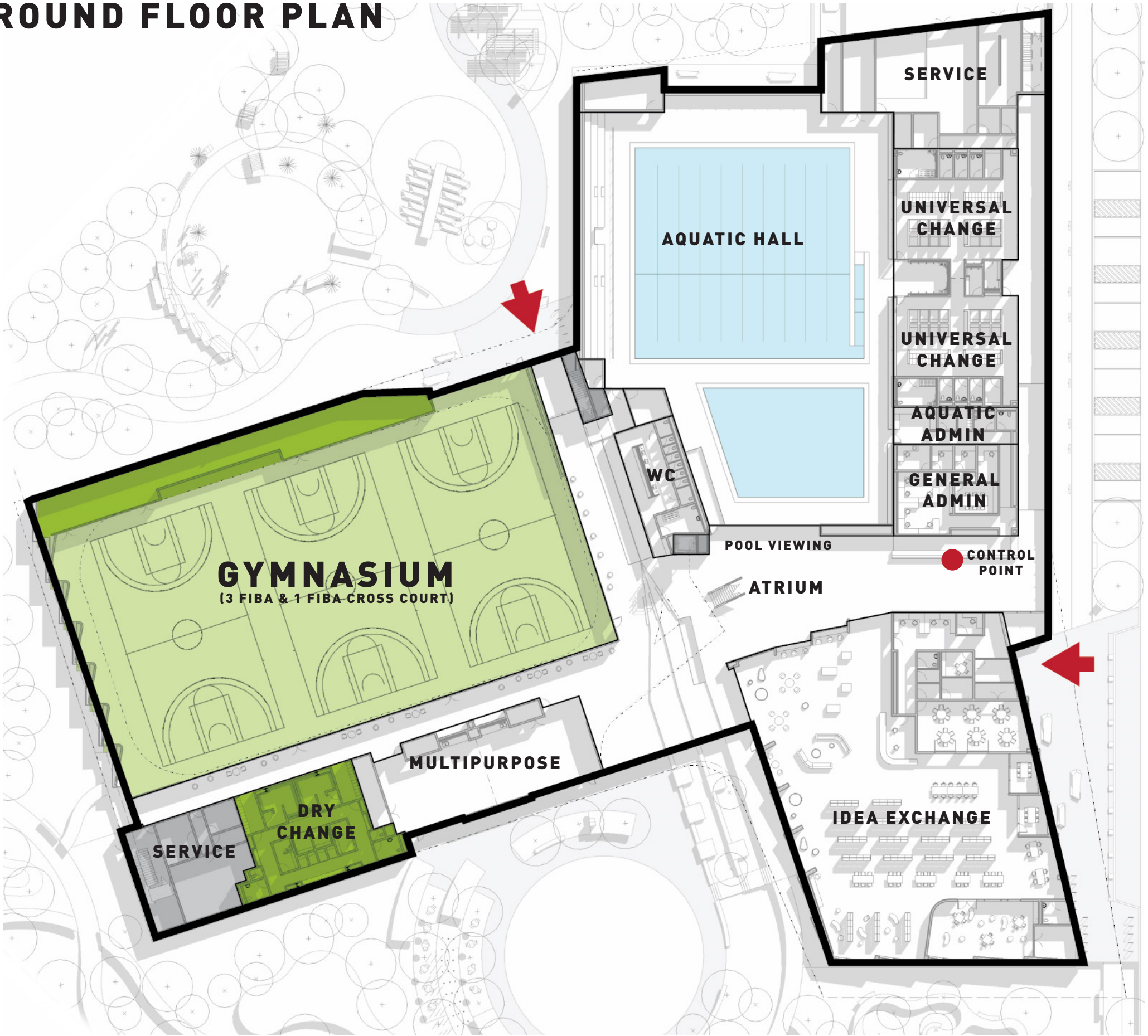




# RECREATION PLAN UPDATE

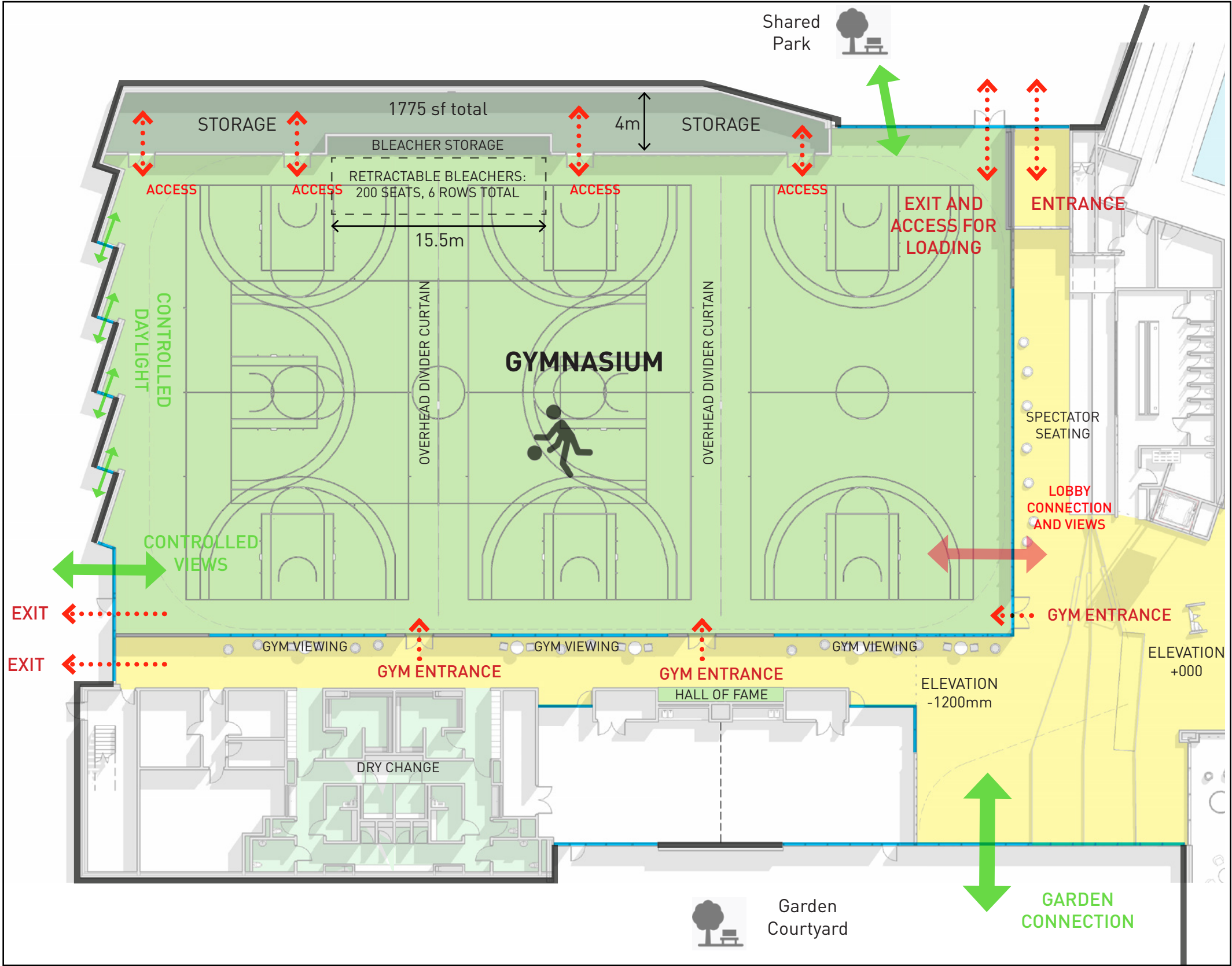


# SCHEMATIC GROUND FLOOR PLAN





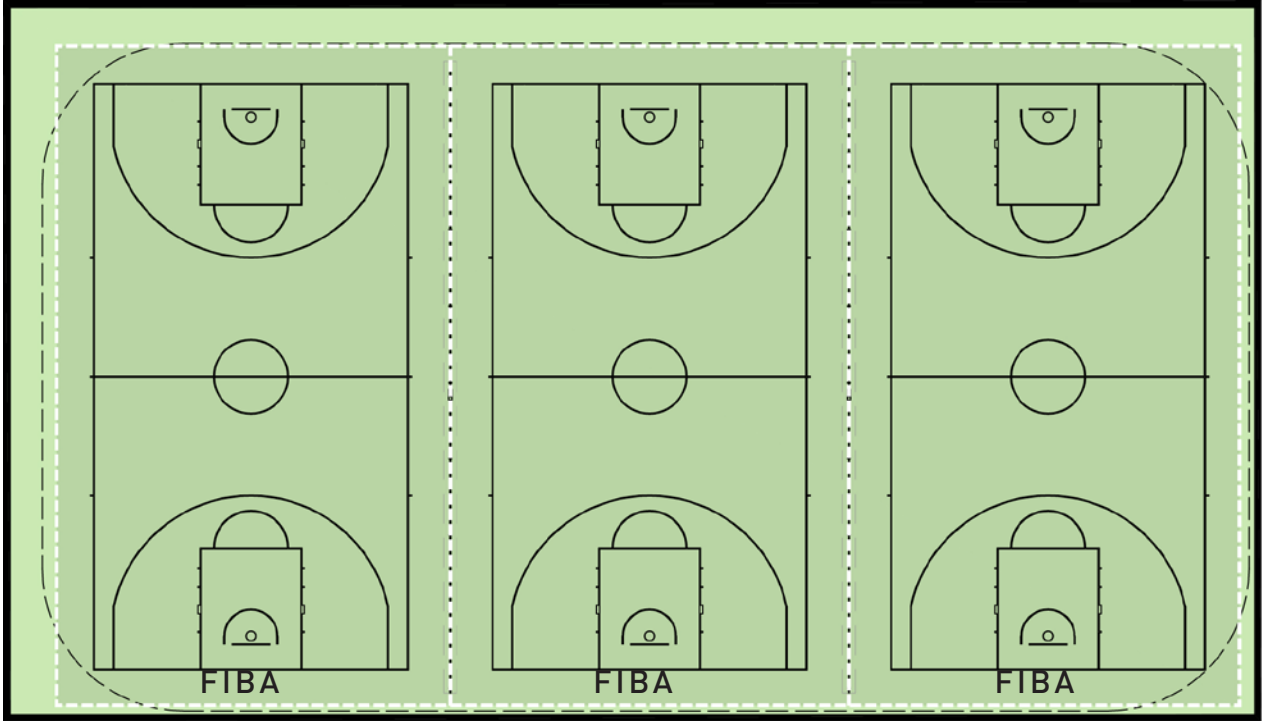
# GYMNASIUM FLOOR PLAN



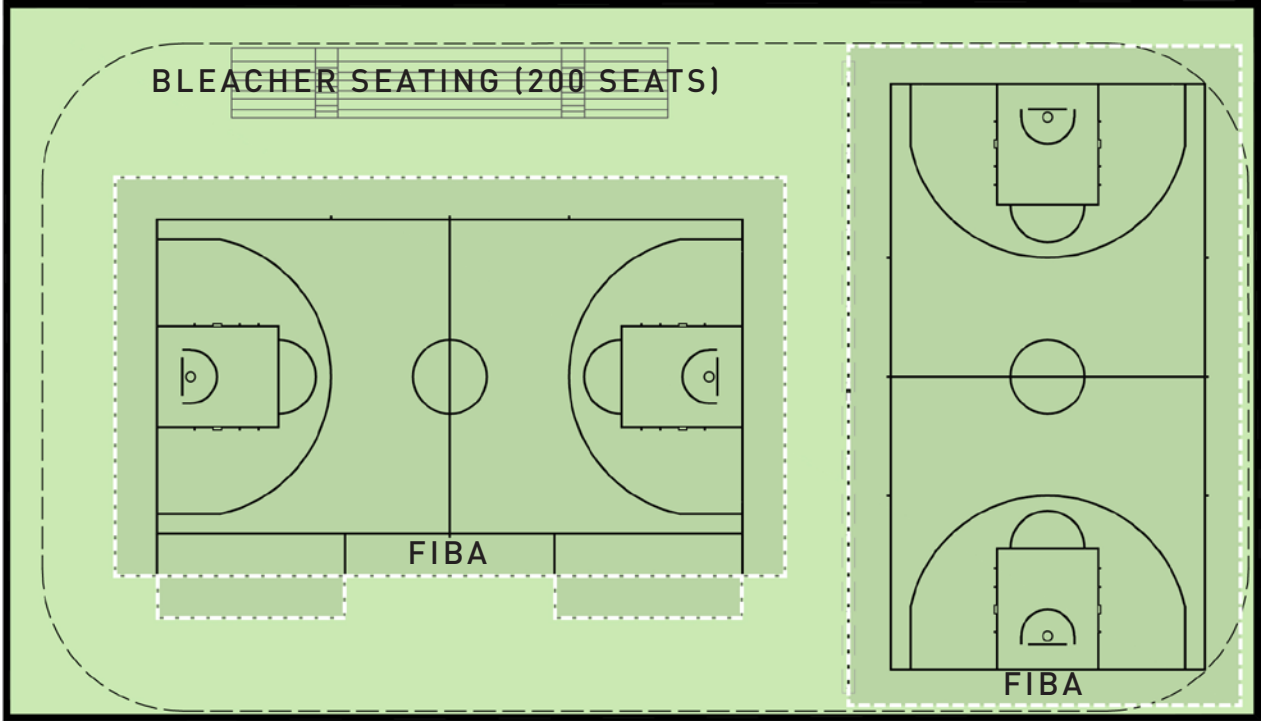


# GYMNASIUM

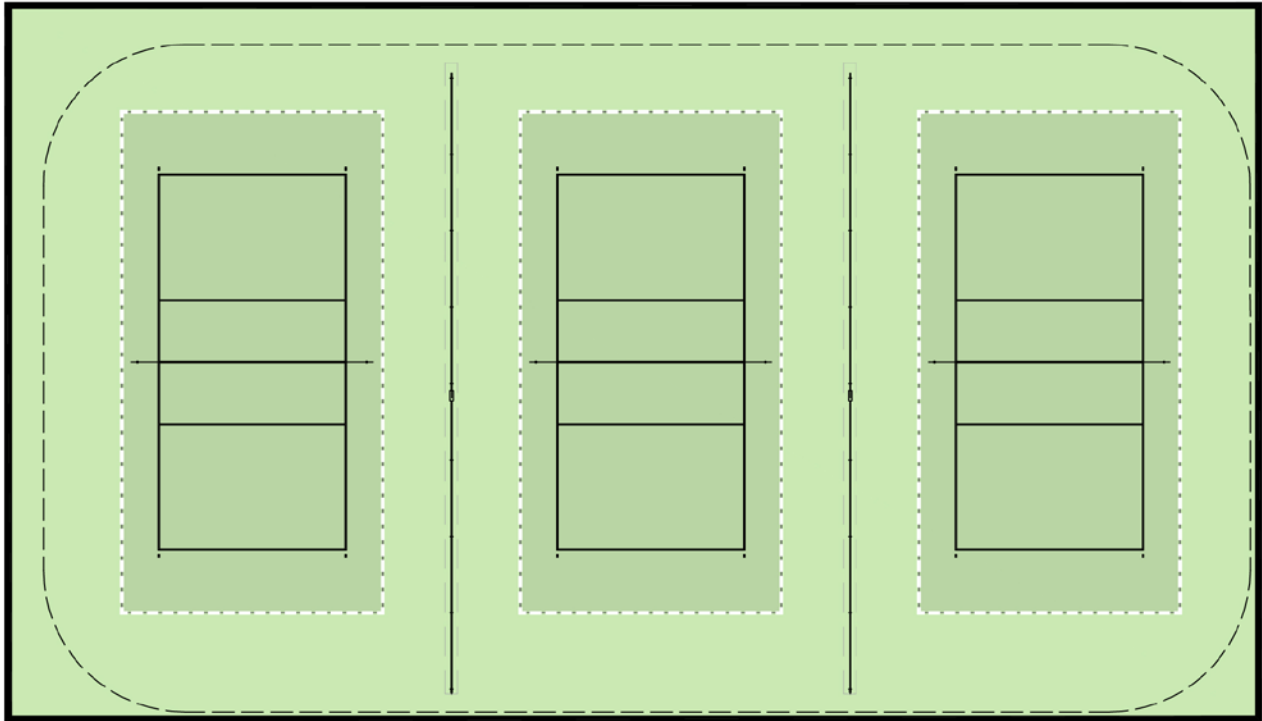
## PROGRAM AND ACTIVITIES



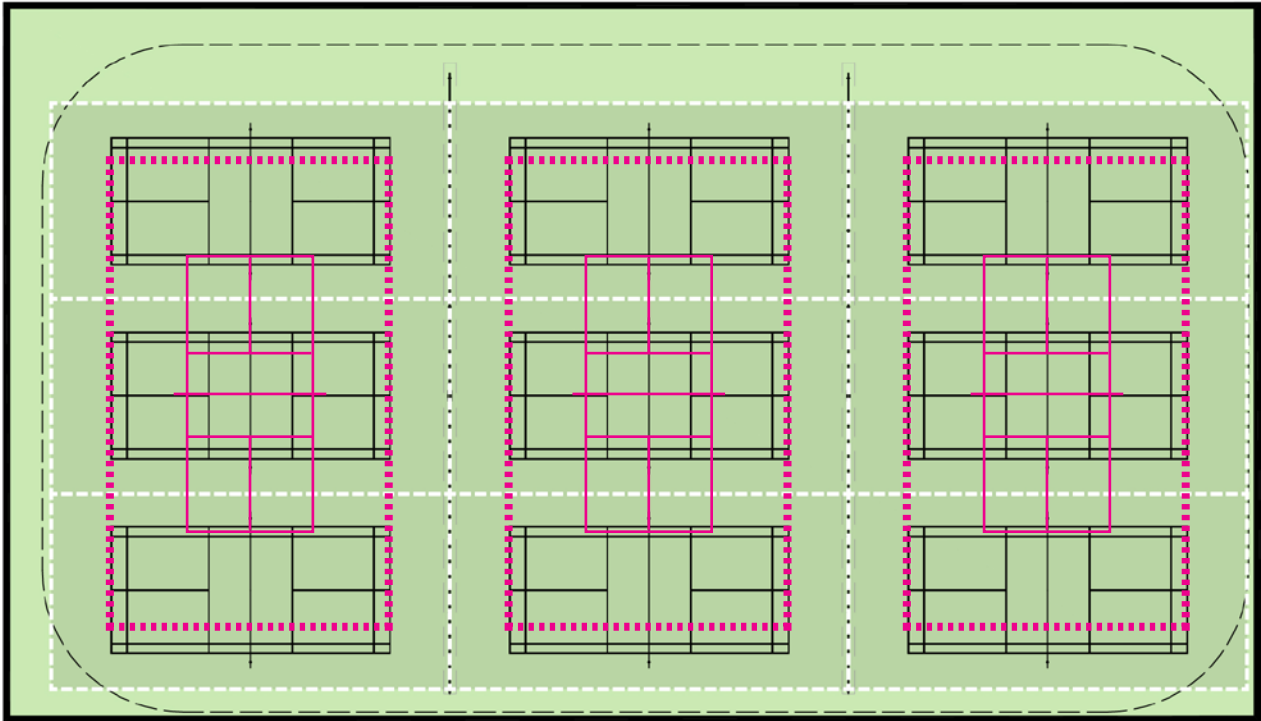
**BASKETBALL**



**BASKETBALL COMPETITION**



**VOLLEYBALL (9m HEIGHT CLEARANCE)**

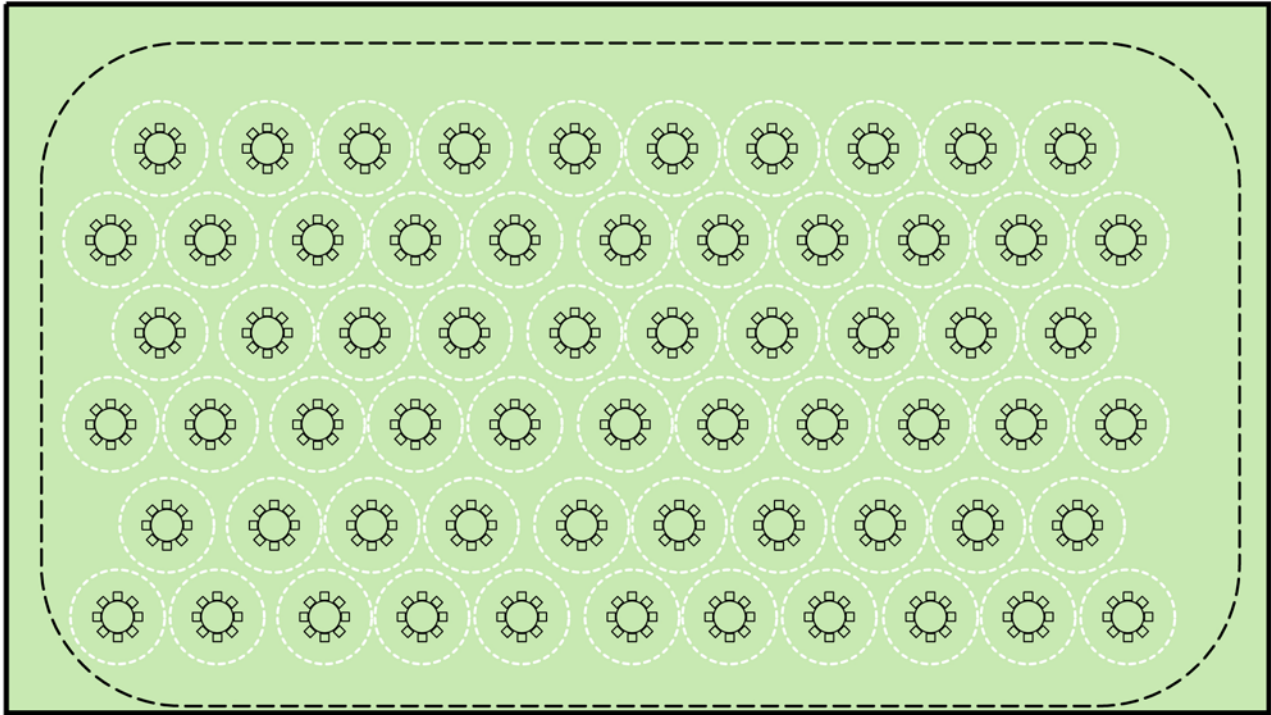


**BADMINTON/PICKLEBALL (x9) OR PARA-PICKLEBALL (x3)**

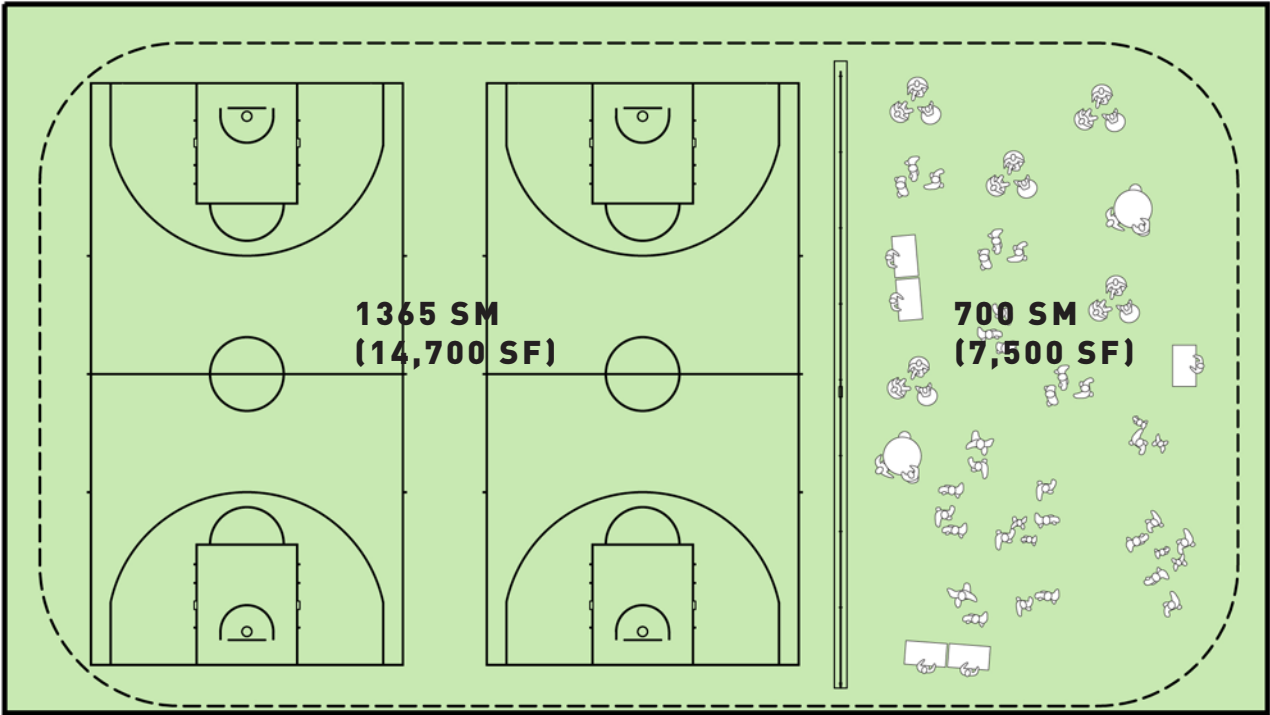


# GYMNASIUM

## PROGRAM AND ACTIVITIES



**ENTIRE SPACE (2080 SM / 22,390 SF)**  
capacity for a 400 person banquet (seated with tables)  
or a 600 person standing-only event



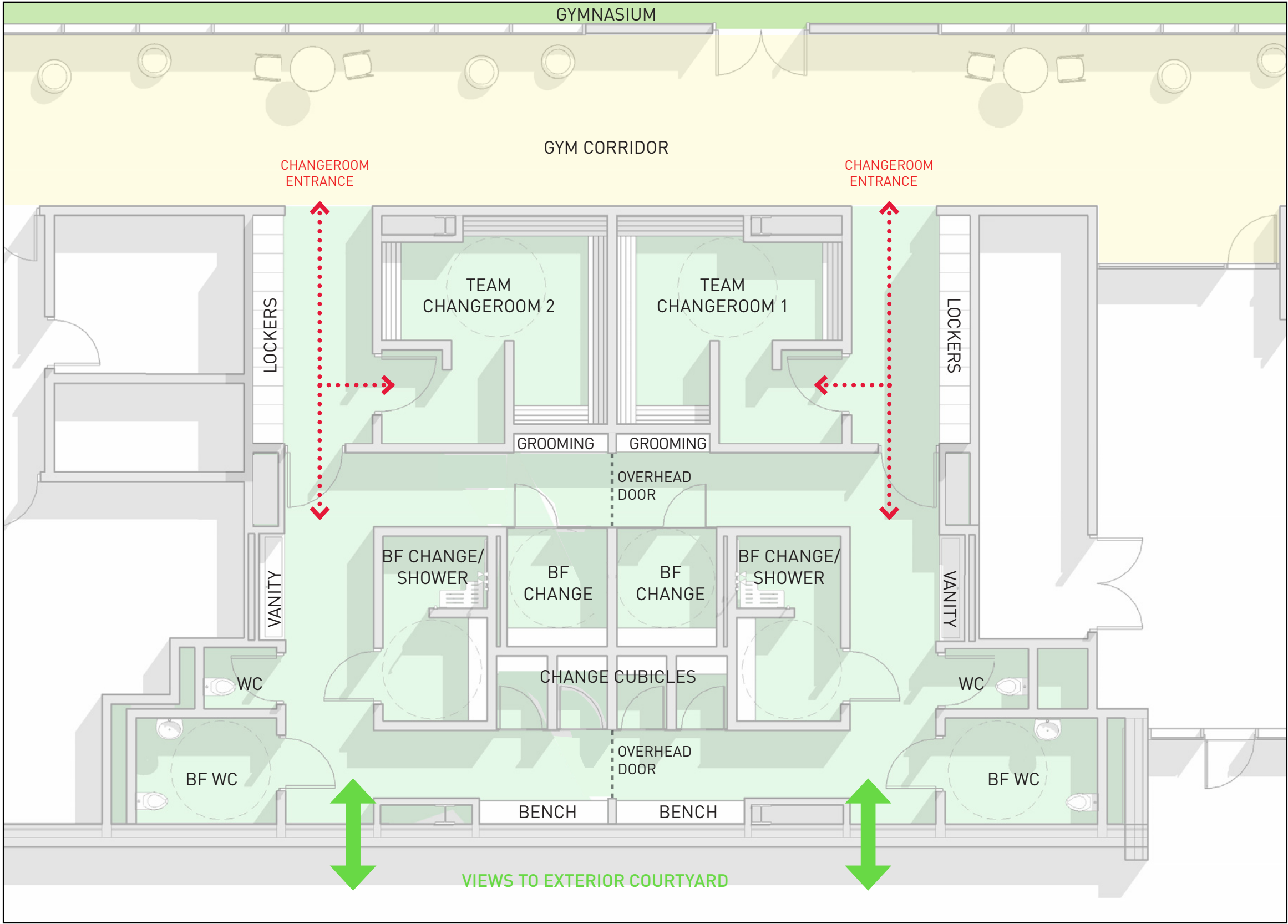
**HYBRID - (2 COURTS & 1 MULTIPURPOSE)**





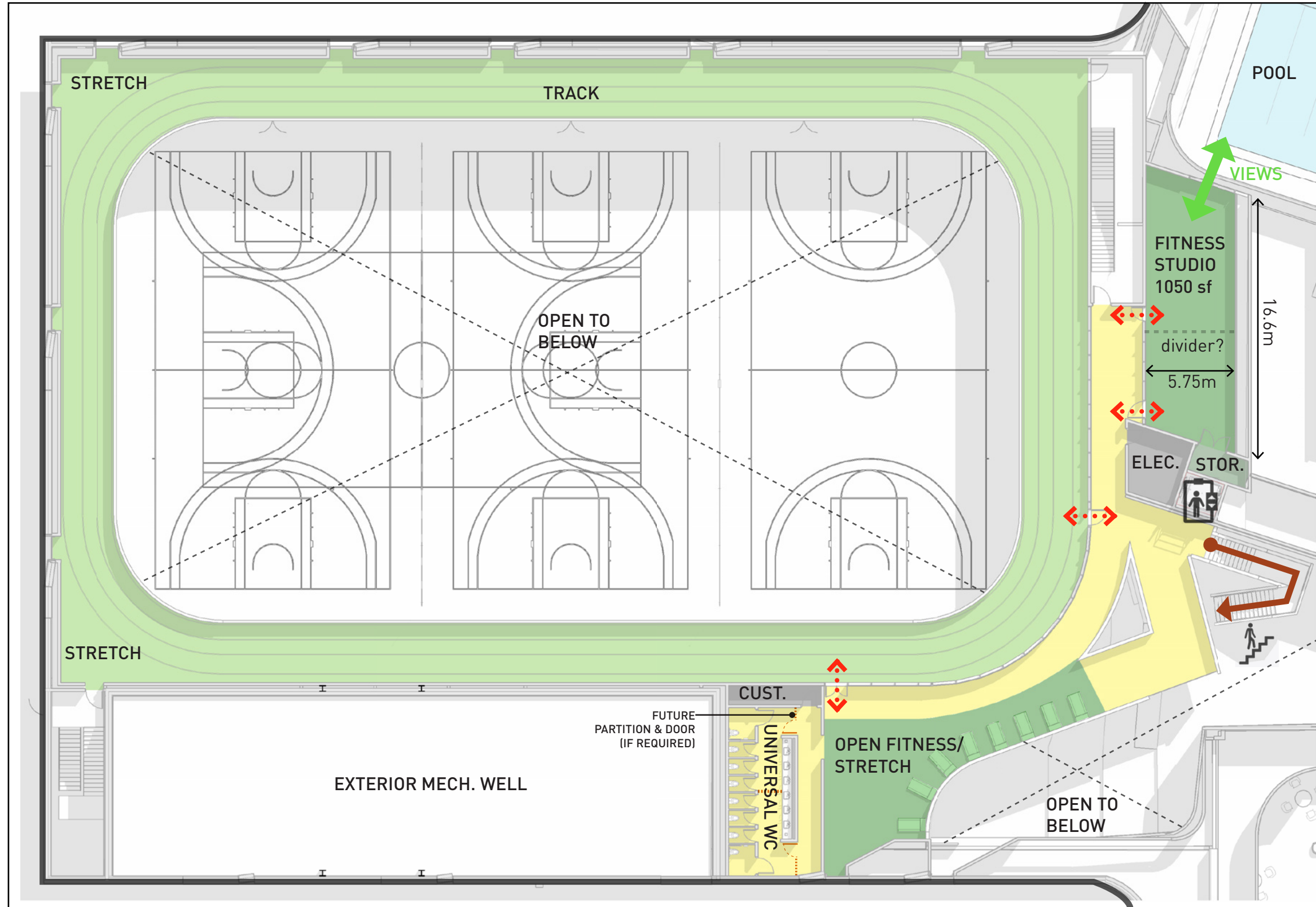
# DRY CHANGEROOMS

## FLOOR PLAN





## TRACK AND FITNESS FLOOR PLAN

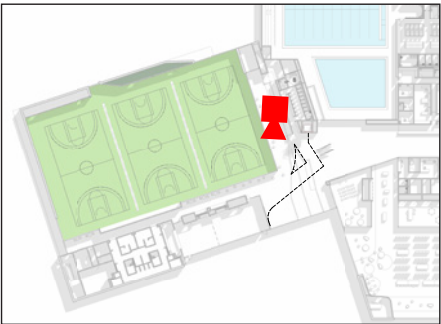






**GYMNASIUM**  
**ATRIUM AND SPECTATOR**

Cambridge Recreation Complex and Library

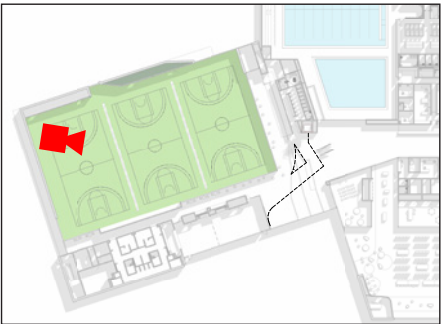






**GYMNASIUM  
COURT AND RUNNING TRACK**

Cambridge Recreation Complex and Library

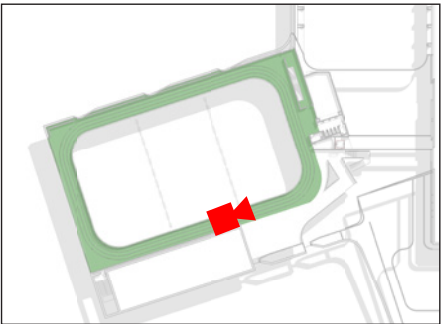






**GYMNASIUM**  
**RUNNING TRACK & FITNESS**

Cambridge Recreation Complex and Library

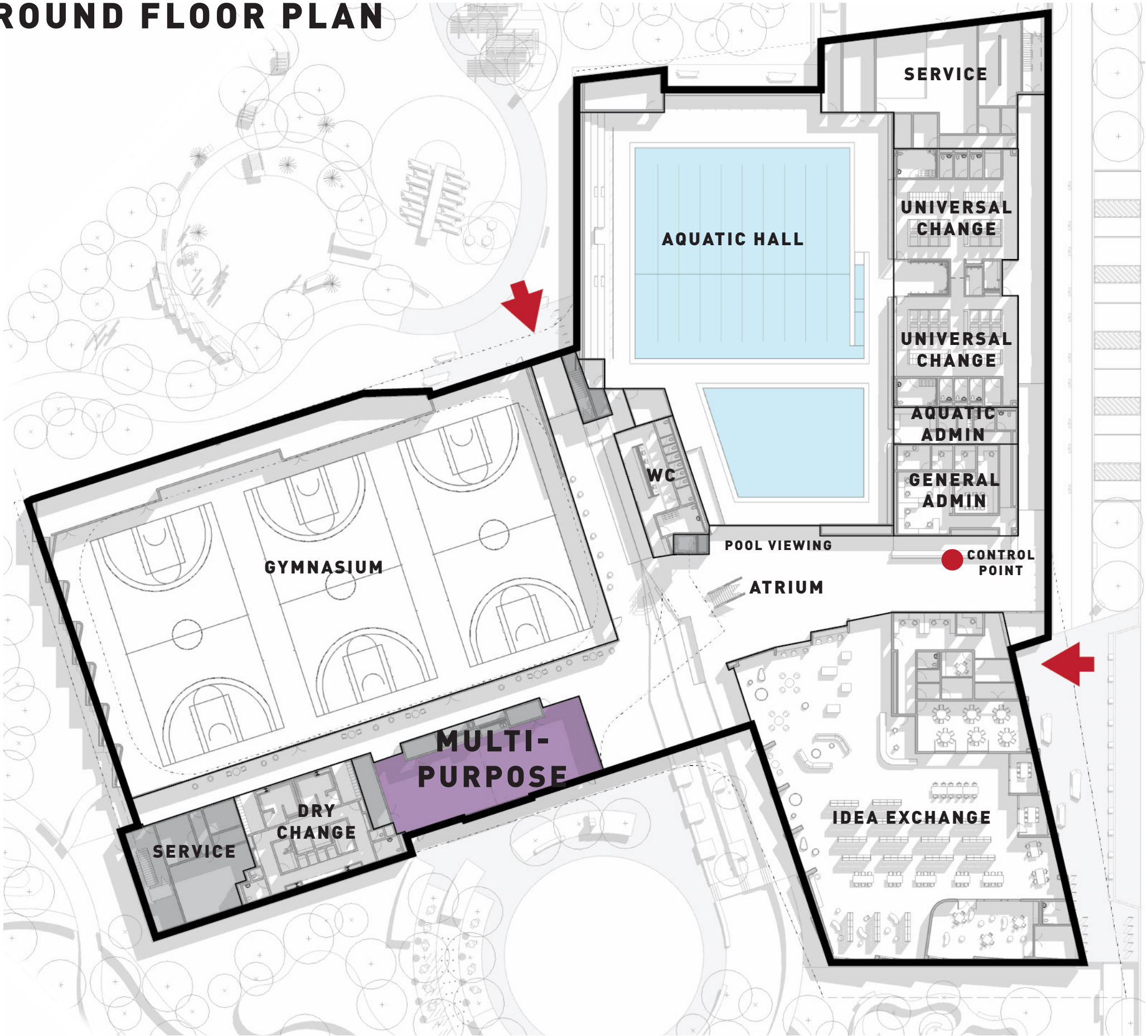




# MULTIPURPOSE ROOM UPDATE



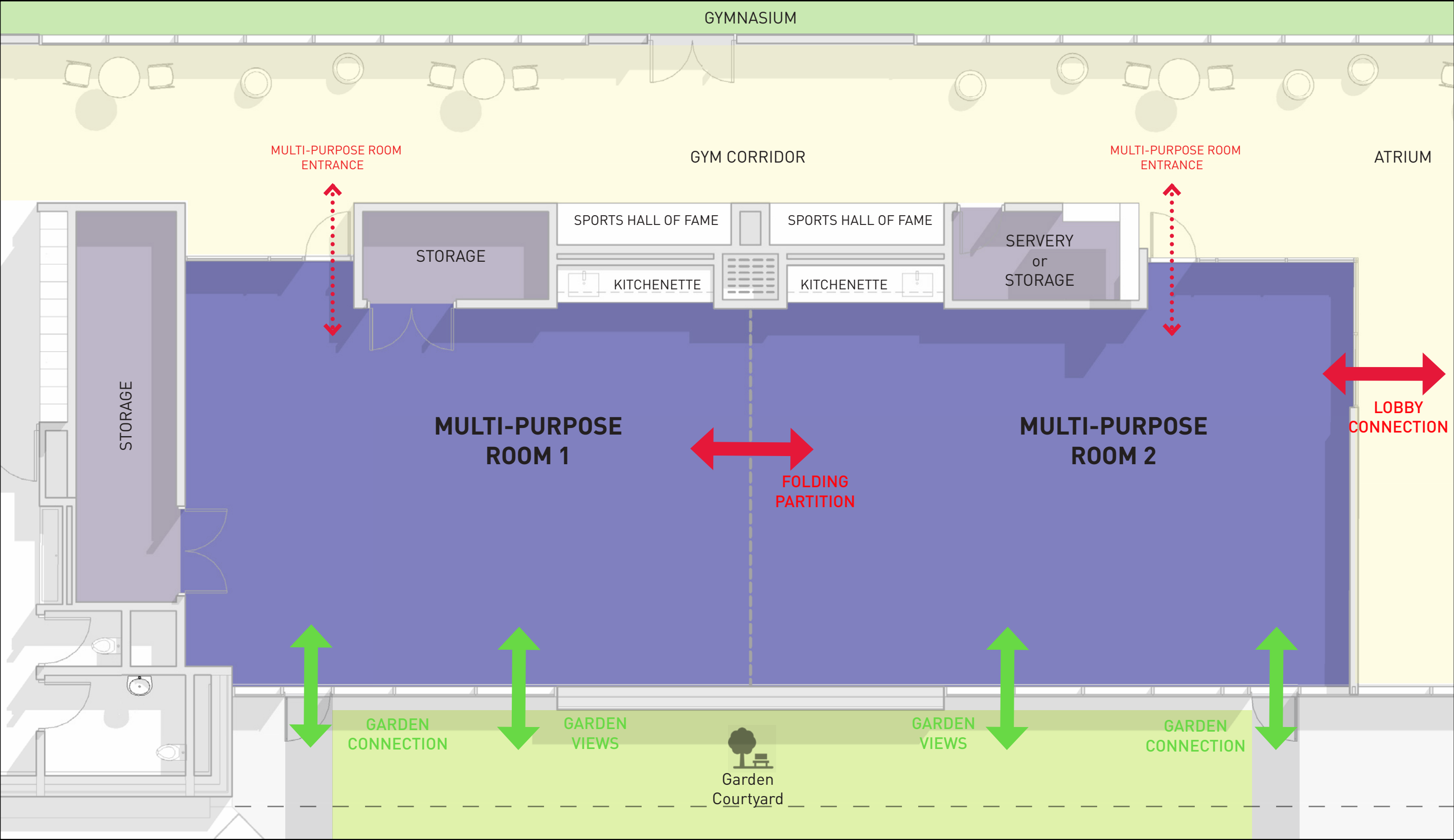
# SCHEMATIC GROUND FLOOR PLAN





# MULTI-PURPOSE ROOMS

## UPDATED PLAN



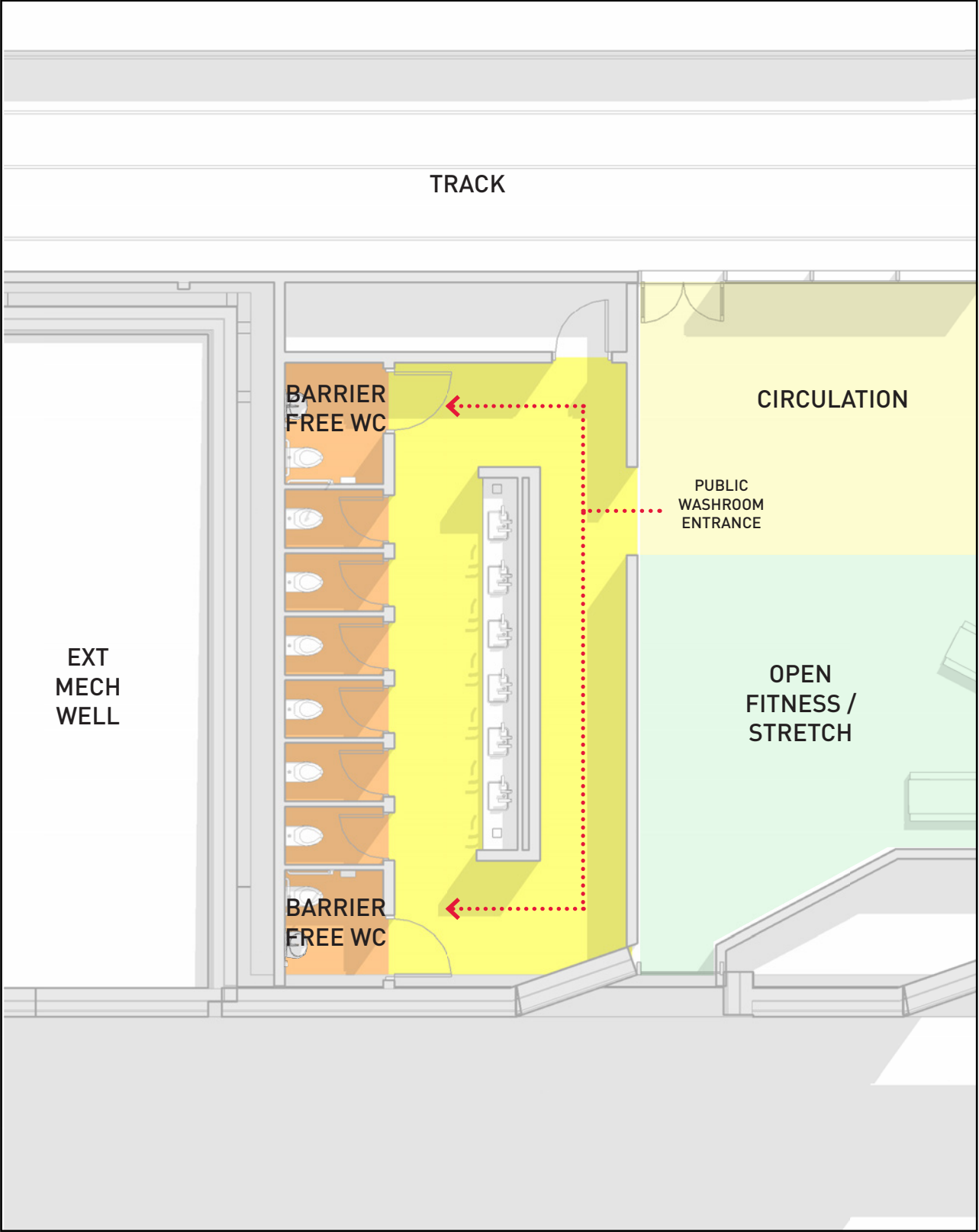
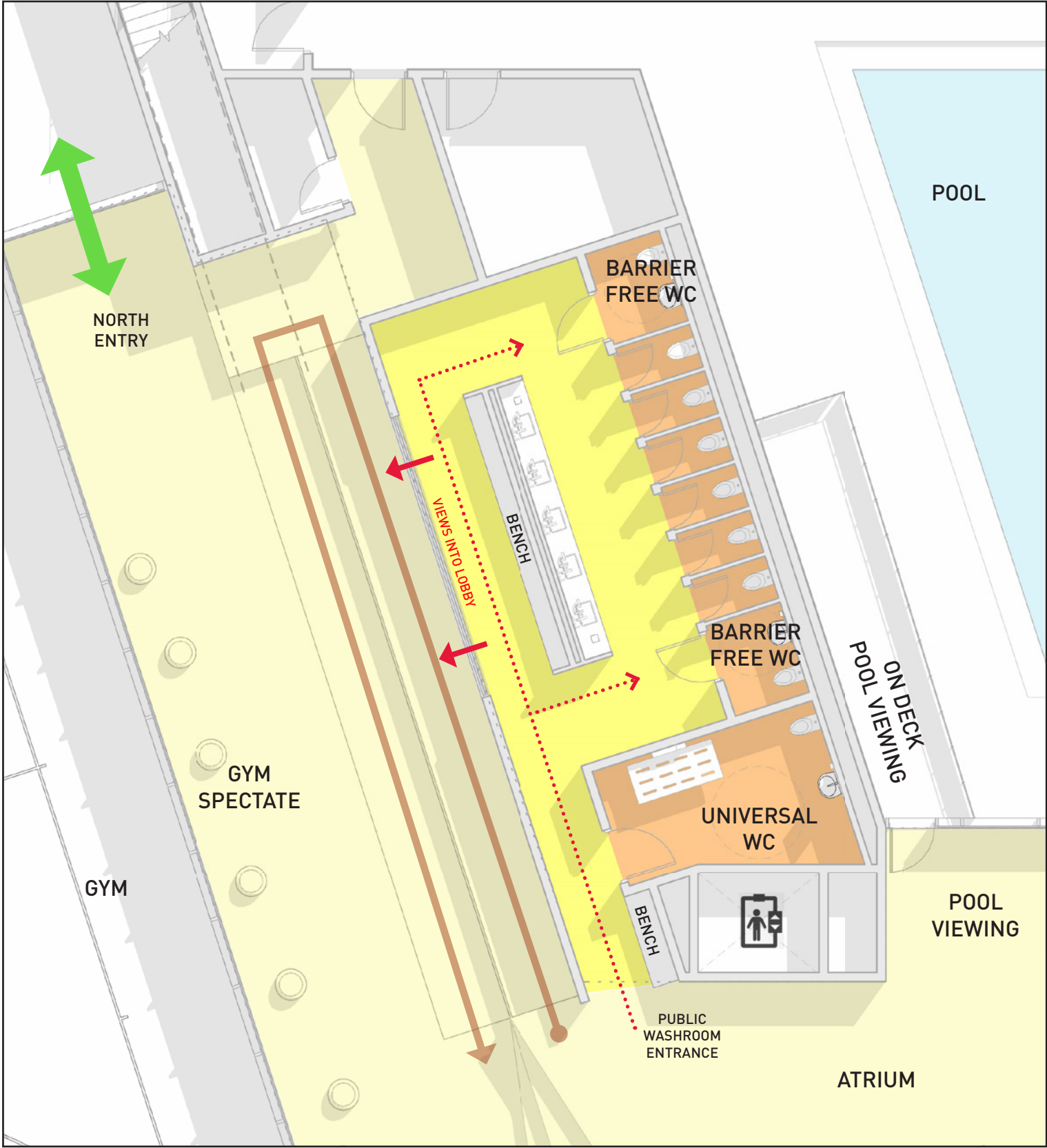


# **PUBLIC WASHROOM UPDATE**



# UNIVERSAL WASHROOMS

## UPDATED PLANS



LEVEL 2 - PUBLIC WASHROOM




# MASSING UPDATE



PARIS GALT MORaine





Ministry of  
Natural  
Resources

Hon. Alan W. Pope  
Minister

W. T. Foster  
Deputy Minister

ONTARIO GEOLOGICAL SURVEY  
MAP P.2604  
GEOLOGICAL SERIES-PRELIMINARY MAP  
QUATERNARY GEOLOGY  
**CAMBRIDGE AREA**  
SOUTHERN ONTARIO

Scale 1:50 000

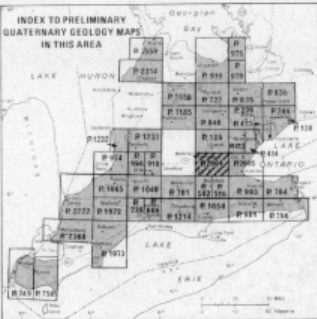
NTS Reference: 40 P/8

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Parts of this publication may be quoted if credit is given and the material is properly referenced.

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INDEX TO PRELIMINARY  
QUATERNARY GEOLOGY MAPS  
IN THIS AREA



**LEGEND**

PHANEROZOIC  
GEOLOGIC  
QUATERNARY  
RECENT

17	Lake Ontario deposits: stratified and gravel
16	Stream deposits: gravel, sand, silt, and clay
15	Peat and muck

PLEISTOCENE  
LATE WISCONSINAN

14	Alluvial fan gravel
13	Beach gravel
12	Lacustrine and outwash sand
11	Lake deposits: stratified to varved clay, silt, and fine sand
10	Horton Till: clay or silt till
9	Outcrop complex: bouldery till and bedrock ridges
8	Ice-contact sand, kames and eskers
7	Outwash gravel
6	Ice-contact gravel: kames and eskers
5	Wentworth Till: stony, sandy, silt till
4	Port Stanley Till: silt to sandy silt till
3	Marshall Till: clayey silt till
2	Catfish Creek Till: stoney, sandy silt till

PALEOZOIC  
ORDOVICIAN AND SILURIAN

1	Shale and dolomite
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\*exposed only in river banks beneath younger till

Note: The legend, symbols, and marginal notes are for both the Cambridge and Hamilton map sheets.

**SYMBOLS**

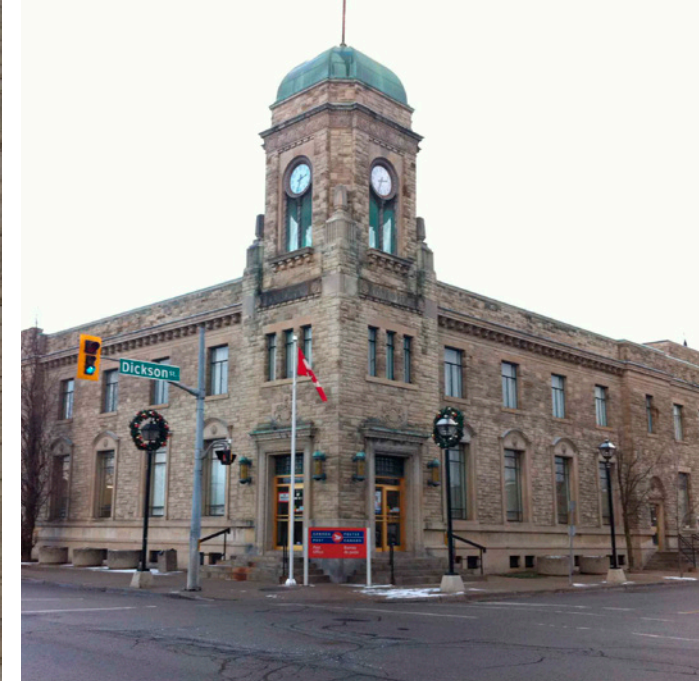

\*Sample sites are referred to in OGS 5420.

**SOURCES OF INFORMATION**









## DOWNTOWN CAMBRIDGE

contains a rich history of natural grey stone buildings including City Hall and Idea Exchange (post office) which line the city's public realm



AERIAL VIEW



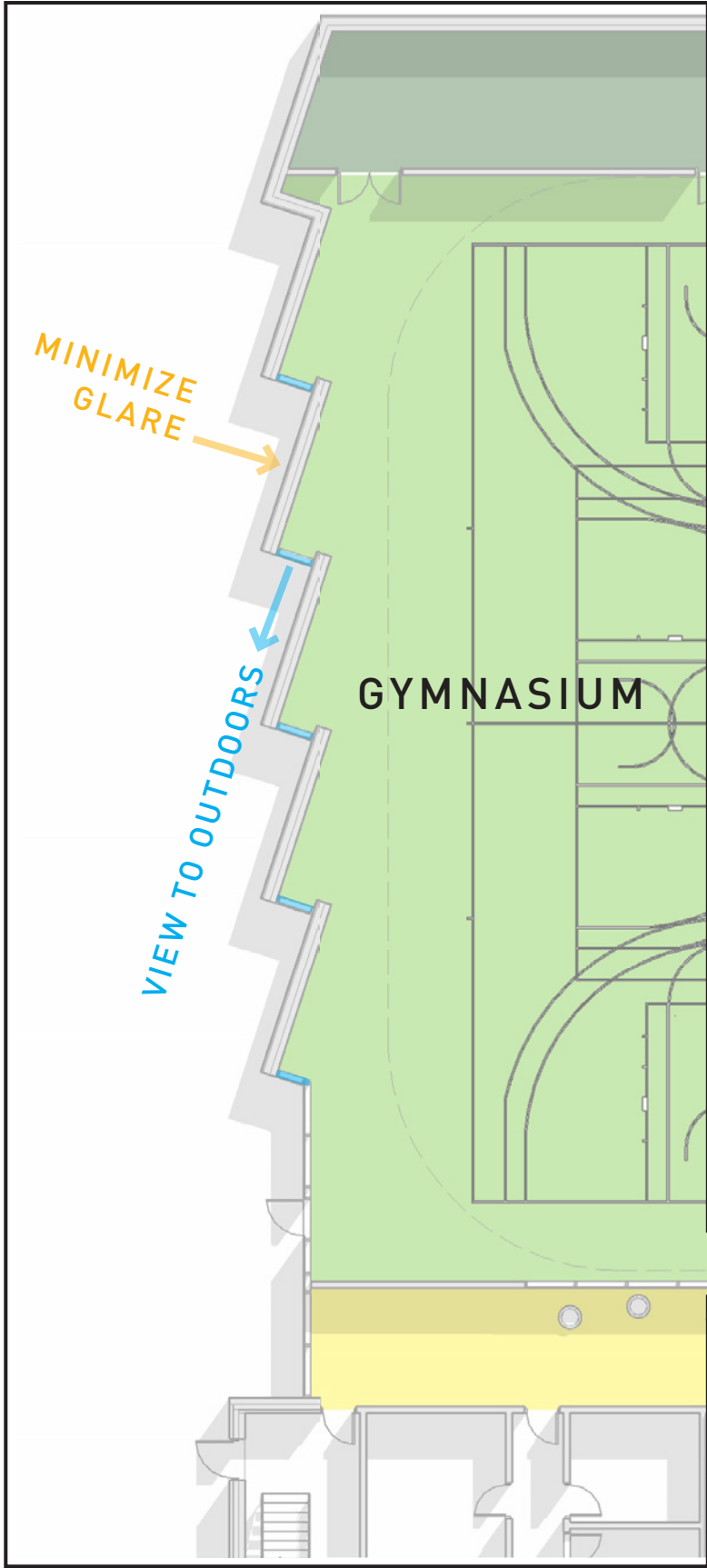


NORTHERN PARK ENTRANCE





FACADE STUDY - INTRODUCING TEXTURE



ROTATED BRICK TEXTURE

RECESSED WINDOWS WITH METAL PANEL LINING

ANGLED SAWTOOTH METAL PANEL WALL TO INTRODUCE VIEWS BUT MINIMIZE GLARE



WESLEY BLVD ENTRANCE





GYM ELEVATION FROM WESLEY BLVD





GYM FACADE FROM SOUTH WEST





COURTYARD





**IDEA EXCHANGE**  
**SOUTHERN COURTYARD SPACE LOOKING TOWARDS LIBRARY INTERIOR**





**THANK YOU!**