

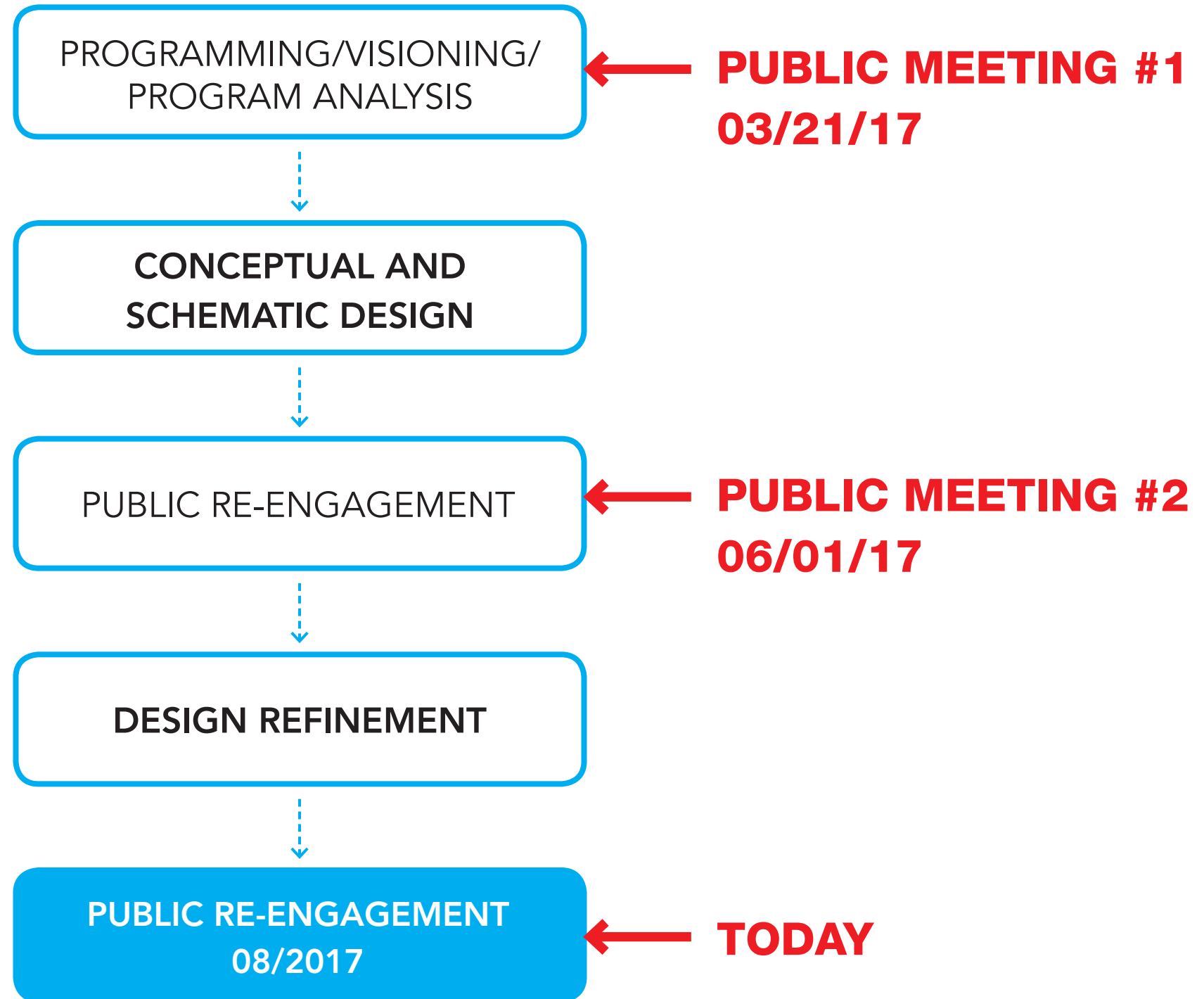
ROBERT CROWN COMMUNITY CENTER ICE COMPLEX AND LIBRARY



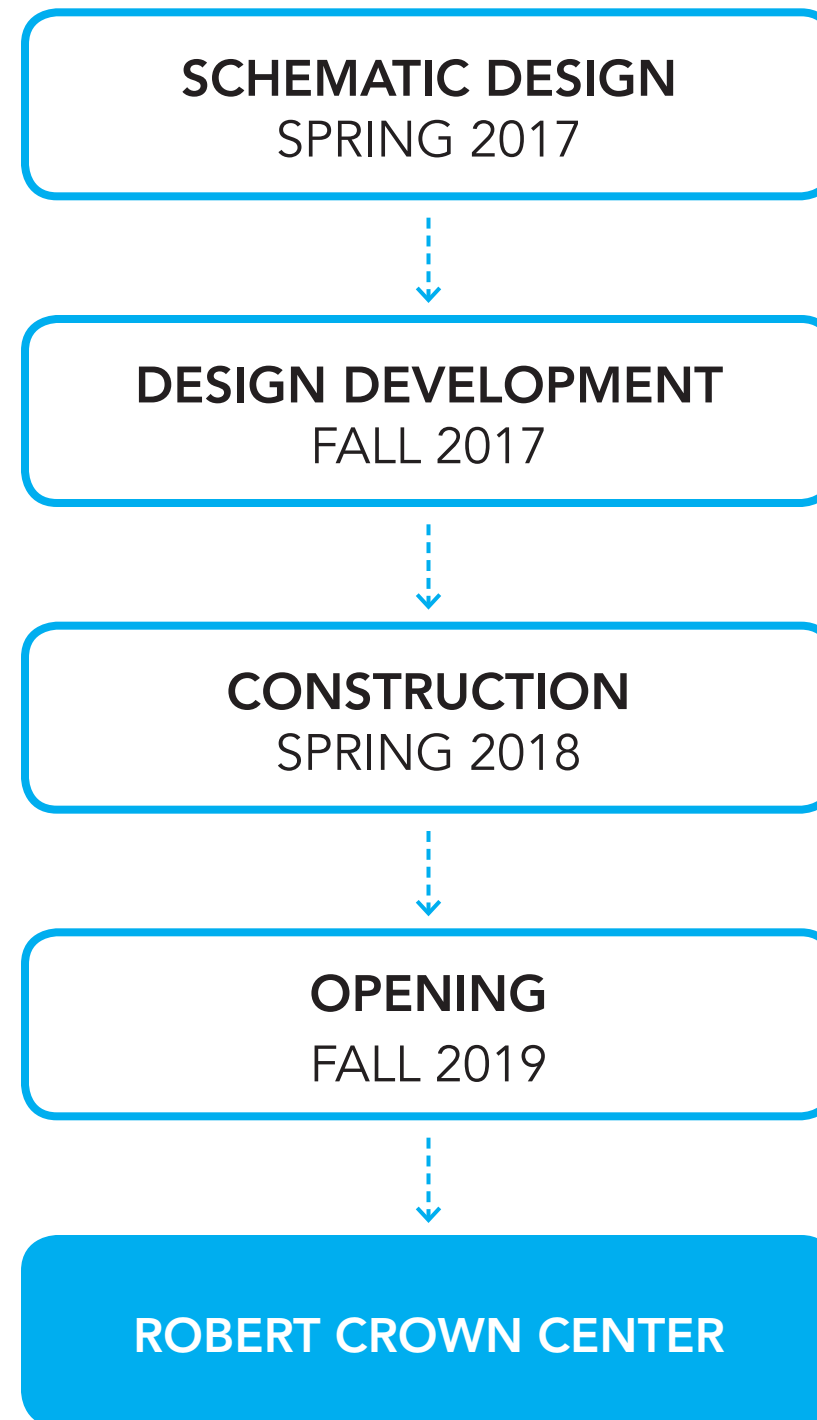
PUBLIC MEETING 03
08/03/2017

WTA+MJMA
Woodhouse Tinucci Architects MacLennan Jaunkalns Miller Architects

PUBLIC PROCESS



PROJECT SCHEDULE



PROJECT PROGRAM

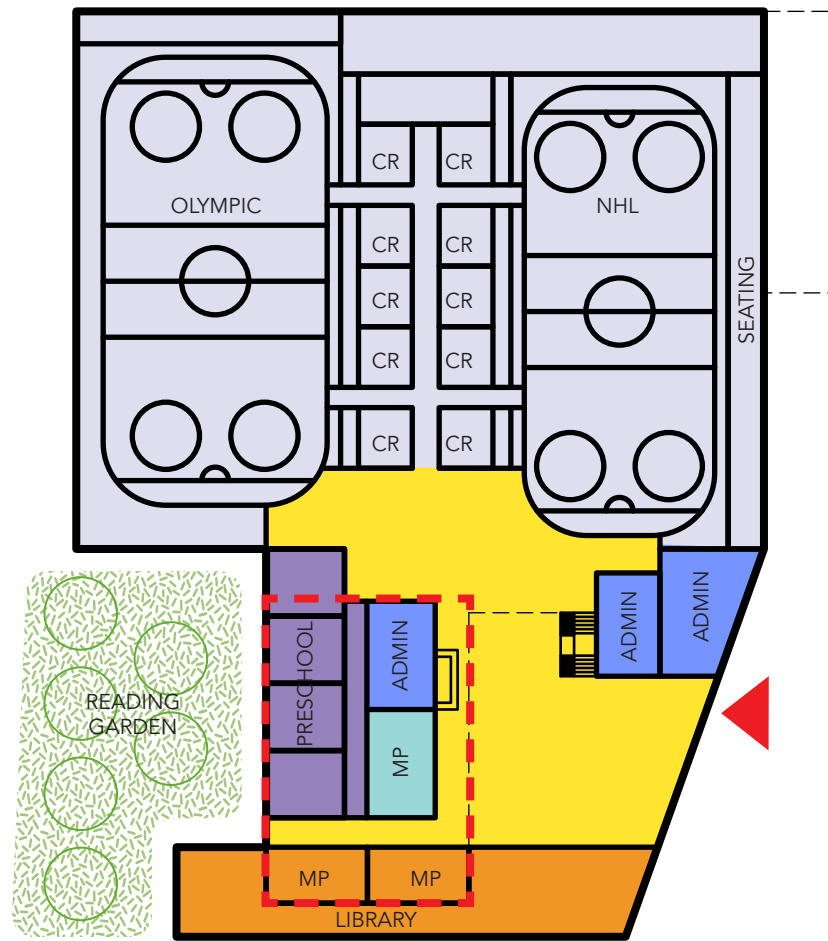
ICE RINK	SF	SITE	SF
RINK 1 (NHL)	22,000	BUILDING FOOTPRINT	90,000
RINK 2 (NHL)	22,000	PARKING (225)	80,000
SPECTATORS	6,000	SPORTS FIELDS	234,000
LOCKER ROOMS	6,500	TENNIS COURTS	24,000
SUPPORT	6,500	LANDSCAPE/OTHER (39%)	274,600
	63,000		
RECREATION		SITE TOTAL	702,600
GYMNASIUM	11,000		
FITNESS / DANCE ROOM	1,500		
CHANGE ROOMS	2,000		
SUPPORT	500		
	15,000		
LIBRARY			
LIBRARY	3,300		
MEETING ROOMS	600		
MULTI-PURPOSE	1,000		
SUPPORT	1,100		
	6,000		
COMMUNITY CENTER			
MULTI-PURPOSE ROOMS	2,500		
ART ROOM	1,000		
PRE-SCHOOL	4,000		
KITCHEN / CATERING / VENDING	1,000		
SUPPORT / ADMINISTRATION	2,100		
	10,600		
SUBTOTAL	94,600		
TRACK	6,000		
SOCIAL SPACE/CIRCULATION	12,000		
INFRASTRUCTURE/MECHANICAL	16,000		
BUILDING TOTAL	128,600		

PROJECT PROGRAM

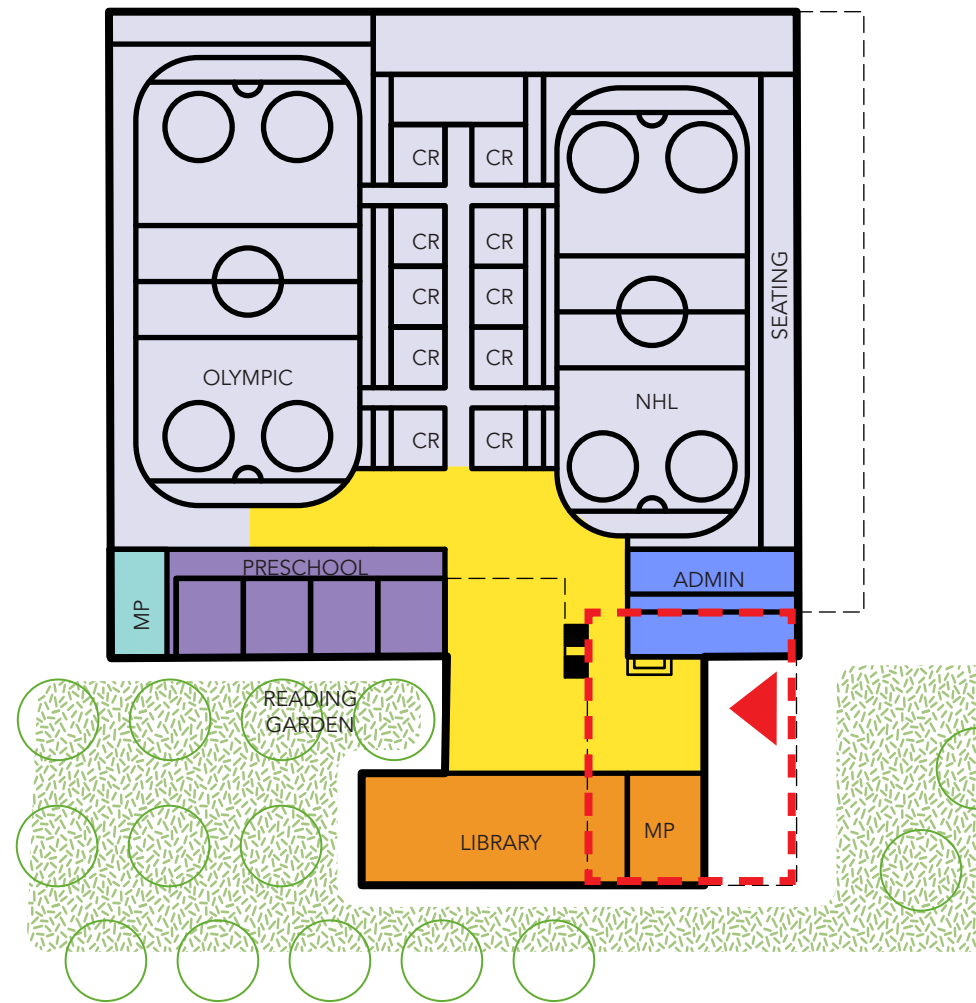
	SF		SF
ICE RINK		SITE	
RINK 1 (NHL)	22,000	BUILDING FOOTPRINT	90,000
• RINK 2 (NHL)	22,000	PARKING (225)	80,000
• SPECTATORS	6,000	SPORTS FIELDS	234,000
LOCKER ROOMS	6,500	TENNIS COURTS	24,000
SUPPORT	6,500	LANDSCAPE/OTHER (39%)	274,600
	63,000		
RECREATION		SITE TOTAL	702,600
GYMNASIUM	11,000		
FITNESS / DANCE ROOM	1,500		
CHANGE ROOMS	2,000		
SUPPORT	500		
	15,000		
LIBRARY			
LIBRARY	3,300		
MEETING ROOMS	600		
MULTI-PURPOSE	1,000		
SUPPORT	1,100		
	6,000		
COMMUNITY CENTER			
MULTI-PURPOSE ROOMS	2,500		
• ART ROOM	1,000		
• PRE-SCHOOL	4,000		
• KITCHEN / CATERING / VENDING	1,000		
SUPPORT / ADMINISTRATION	2,100		
	10,600		
SUBTOTAL	94,600		
TRACK	6,000		
• SOCIAL SPACE/CIRCULATION	12,000		
INFRASTRUCTURE/MECHANICAL	16,000		
BUILDING TOTAL	128,600		

BUILDING REFINEMENT

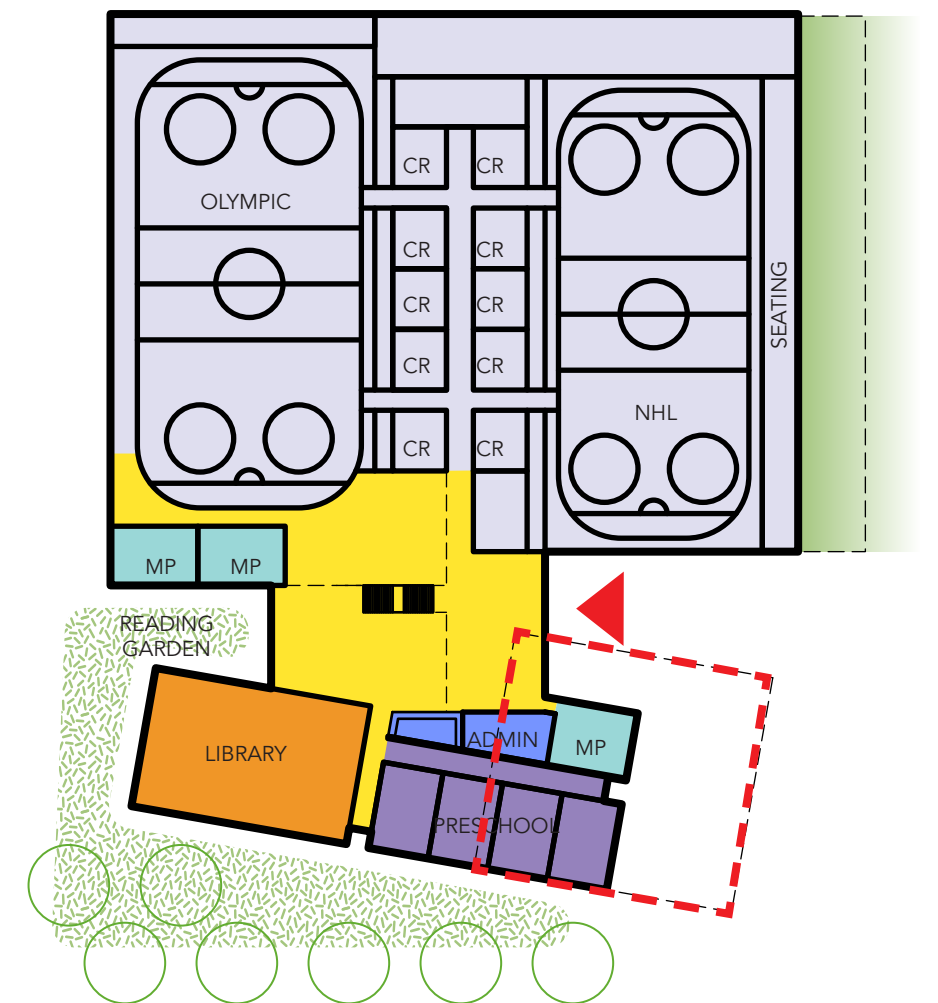
SCHEME 1



SCHEME 2

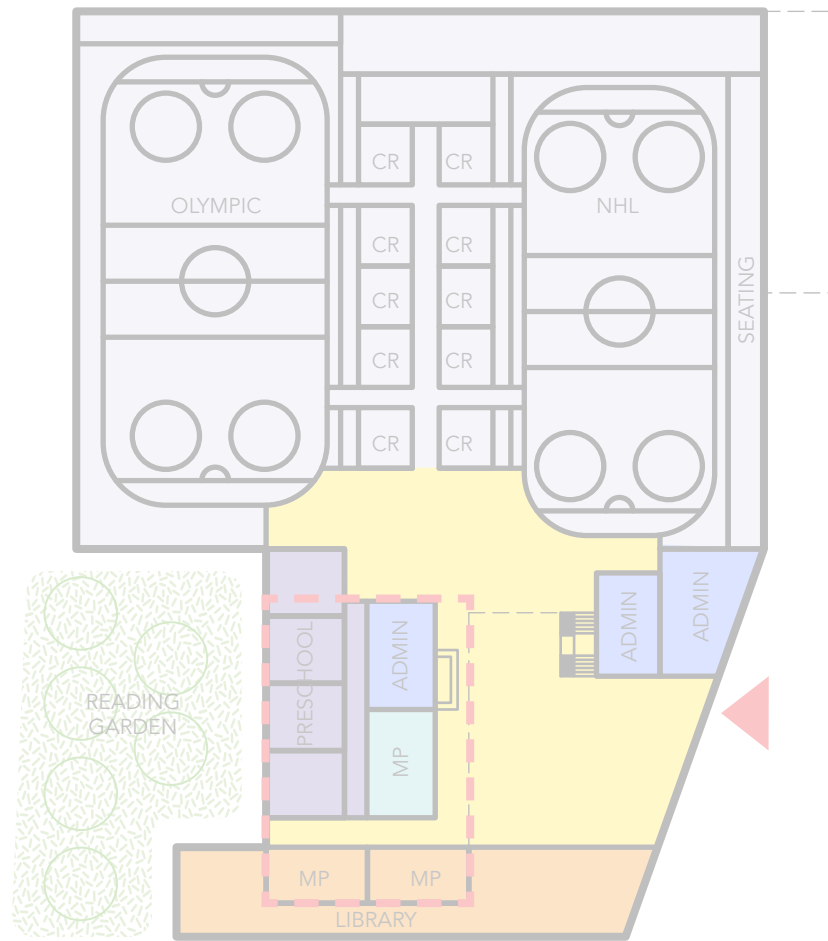


SCHEME 3

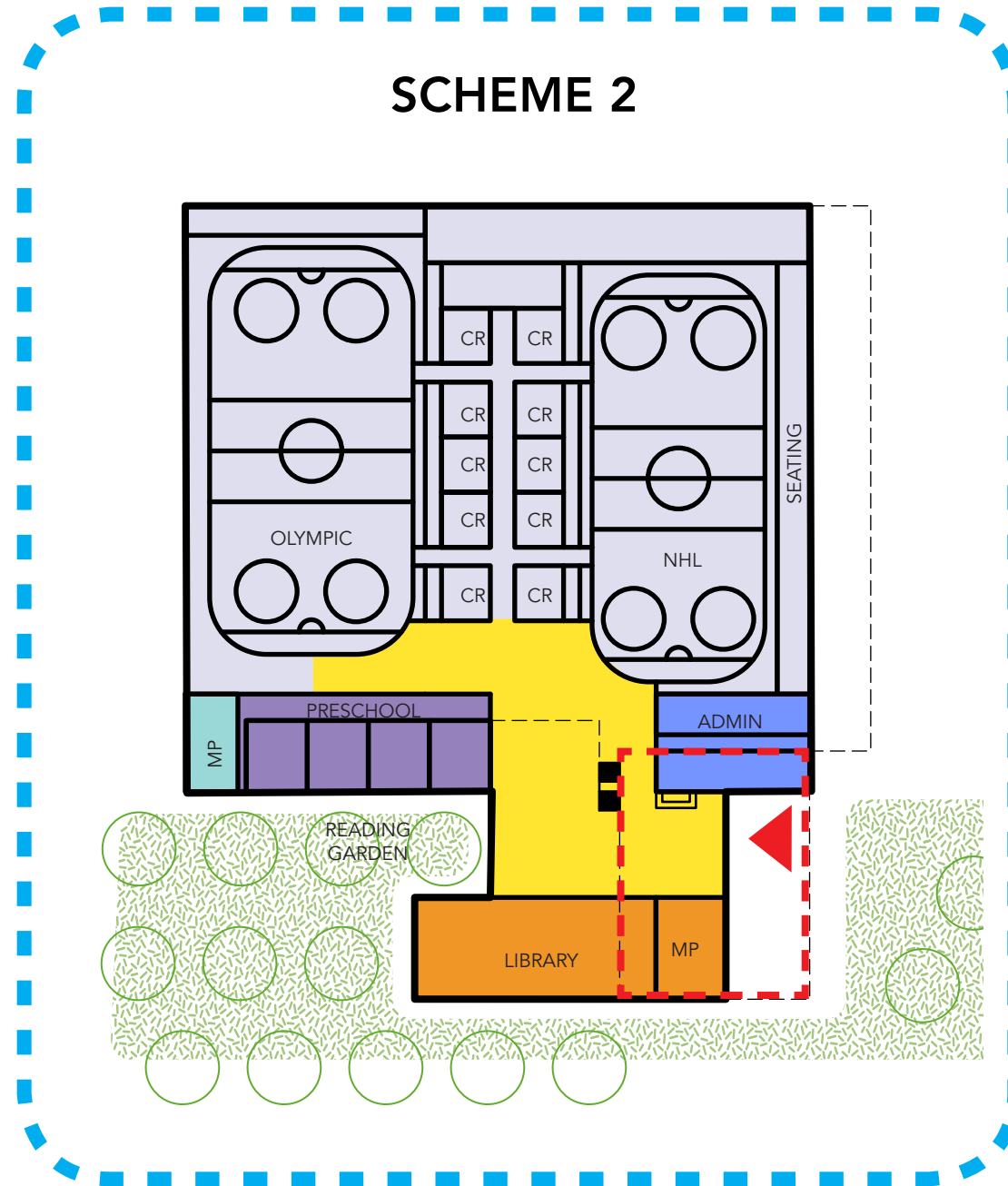


BUILDING REFINEMENT

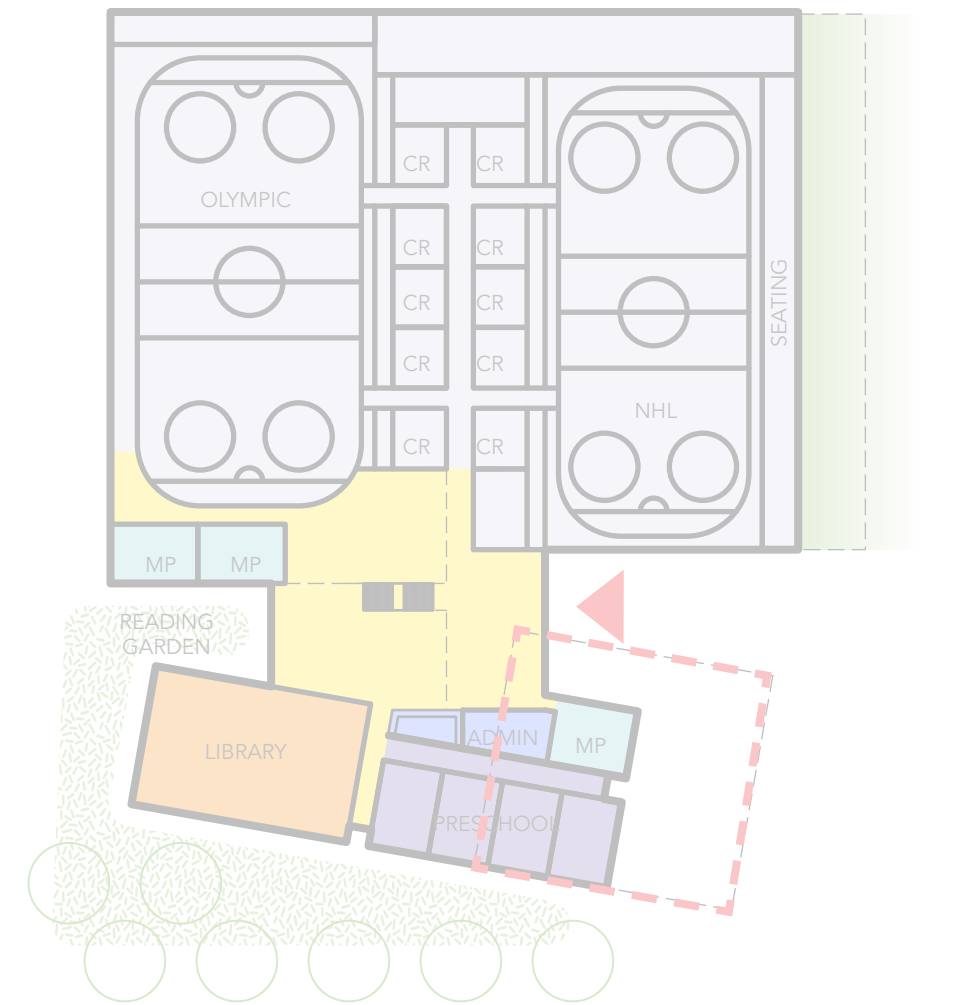
SCHEME 1



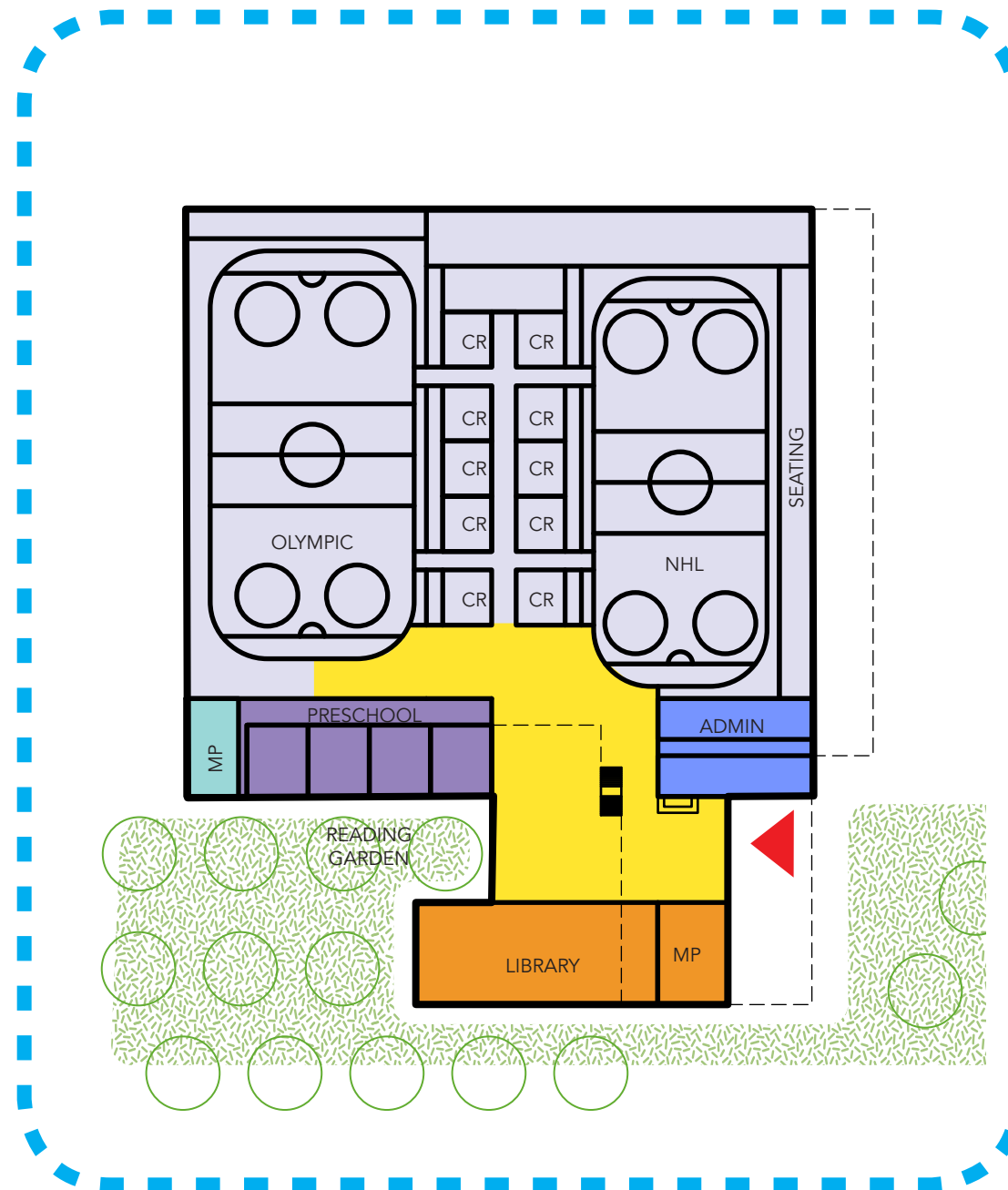
SCHEME 2



SCHEME 3



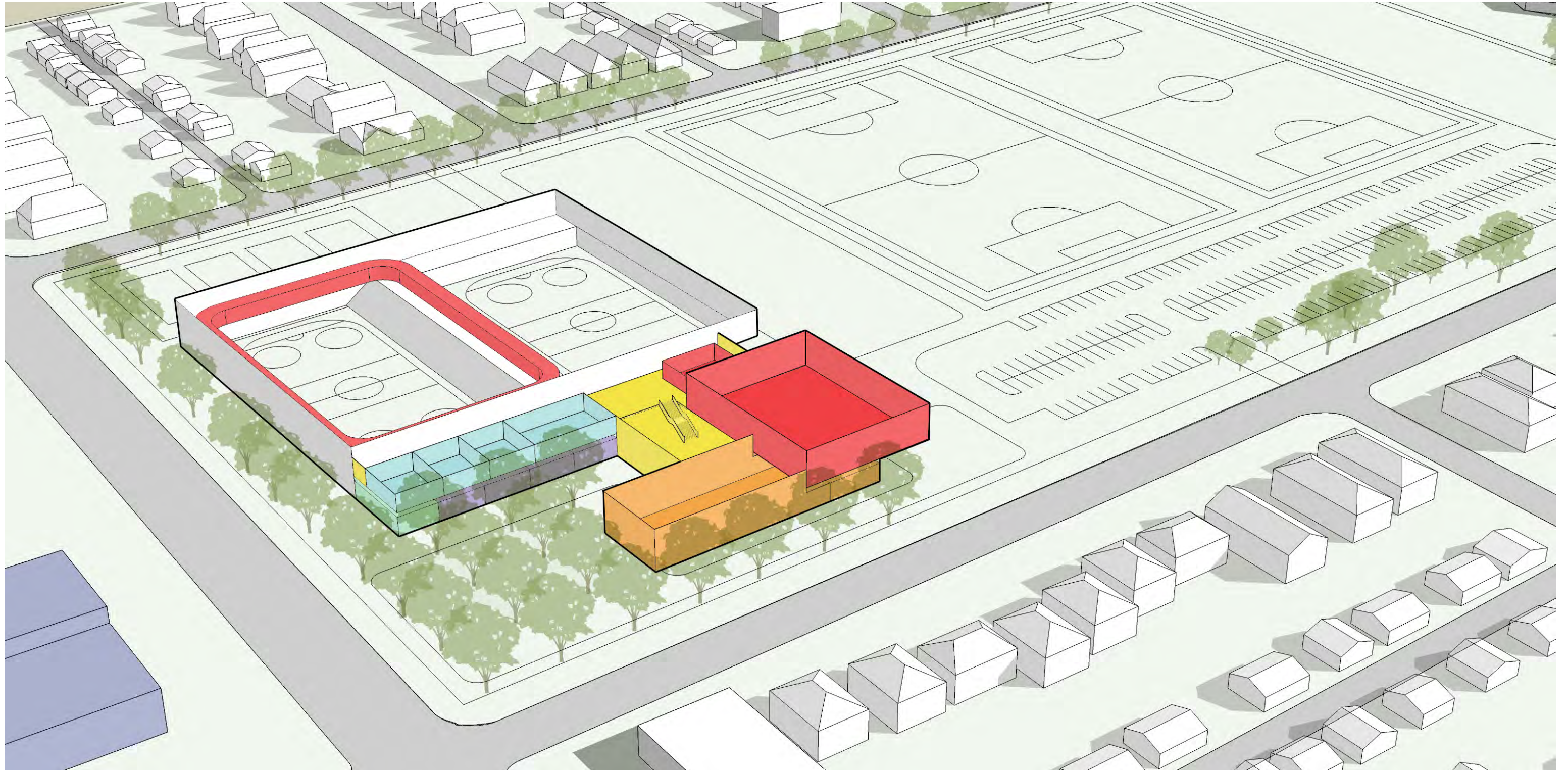
BUILDING REFINEMENT



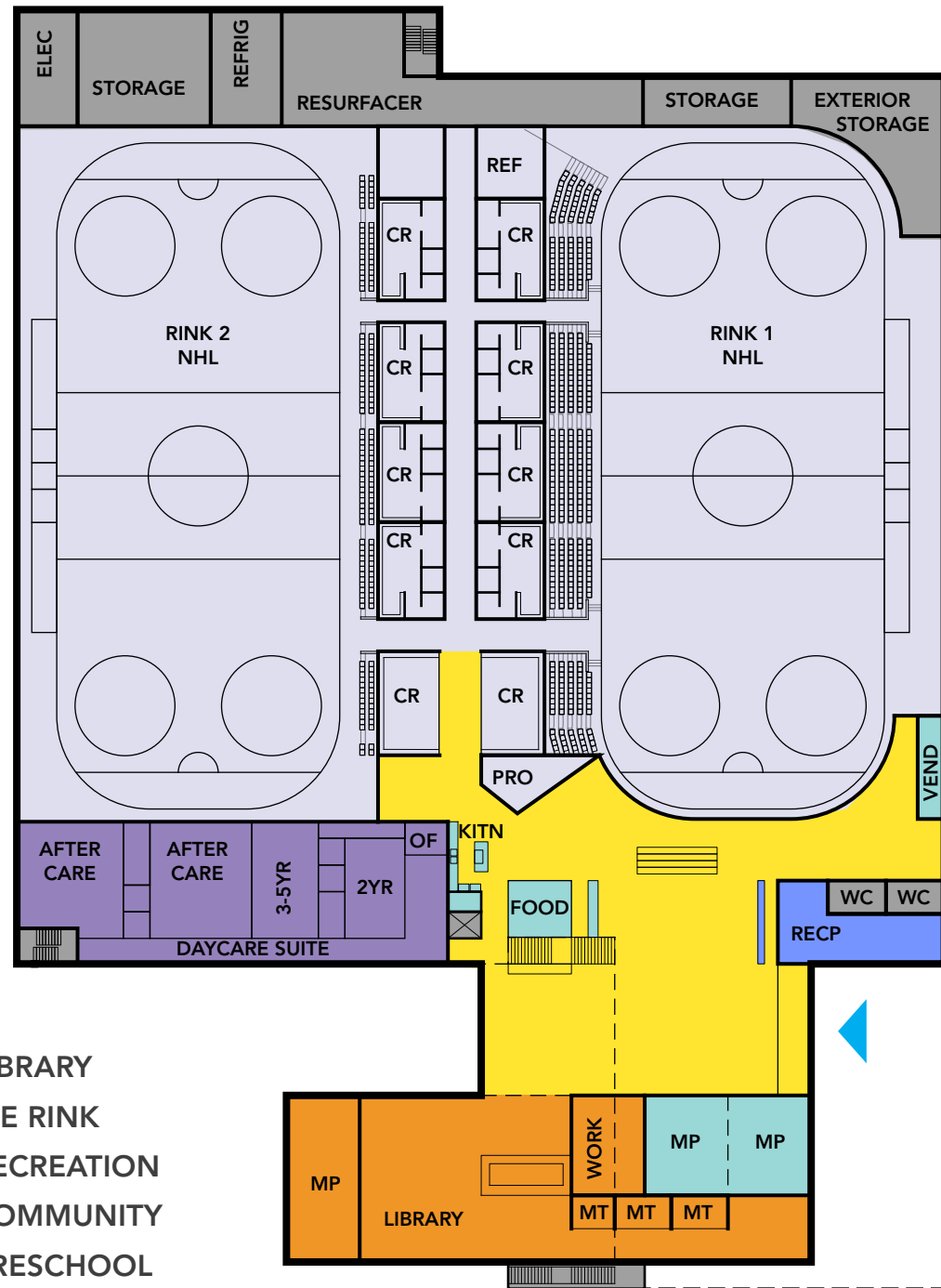
DESIGN CRITERIA:

- RAISED GYM / COVERED PORCH
- LIBRARY FACING THE STREET AND ENTRY
- SEPARATE PRE-SCHOOL AREA
- ENTRY LOBBY WITH VIEWS DIRECTLY THROUGH TO EXTERIOR GARDEN SPACE
- LOBBY WITH DIRECT ACCESS AND VIEWS TO ALL FUNCTIONS

PRELIMINARY BUILDING MASSING

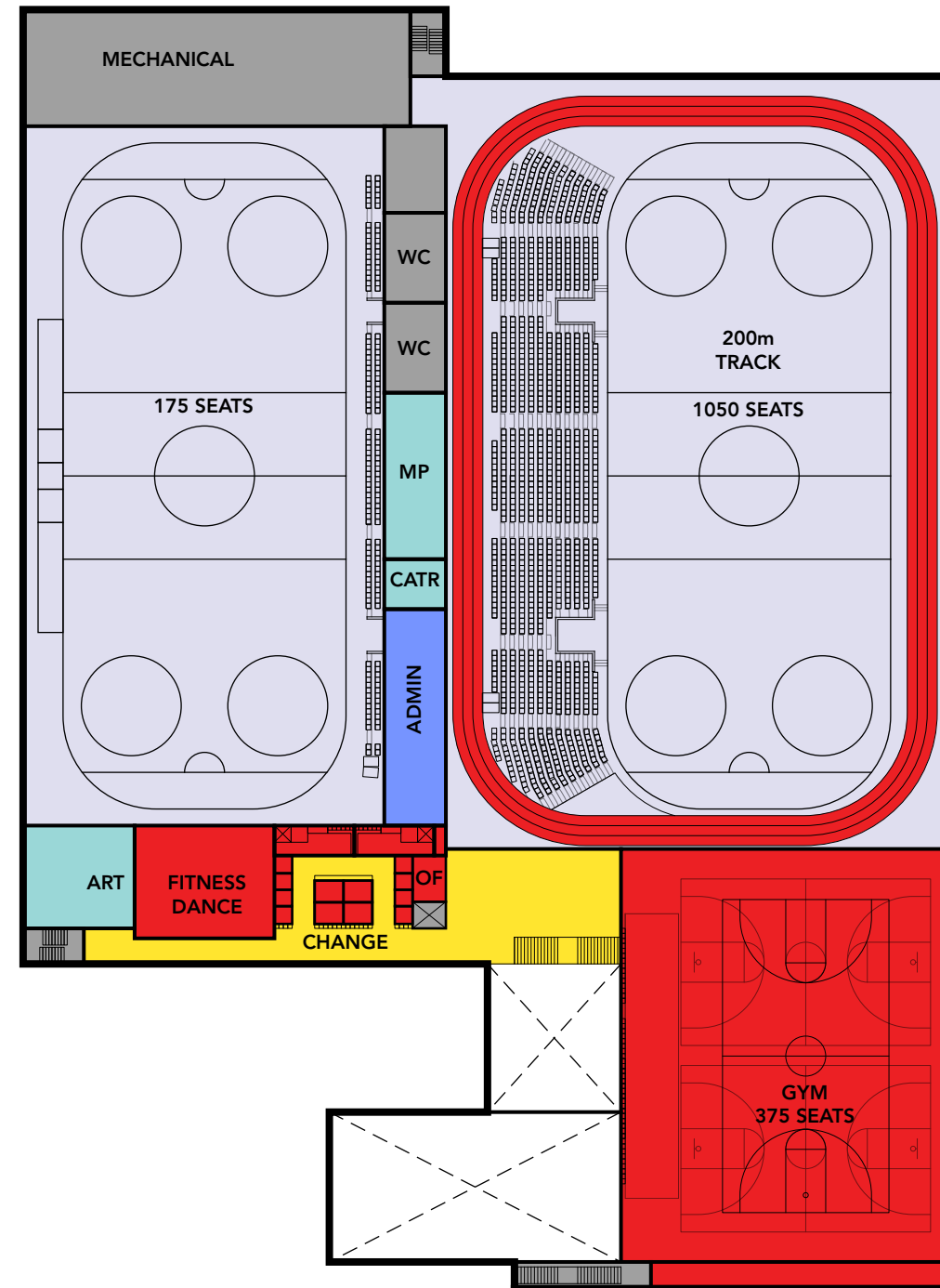


FLOOR PLANS



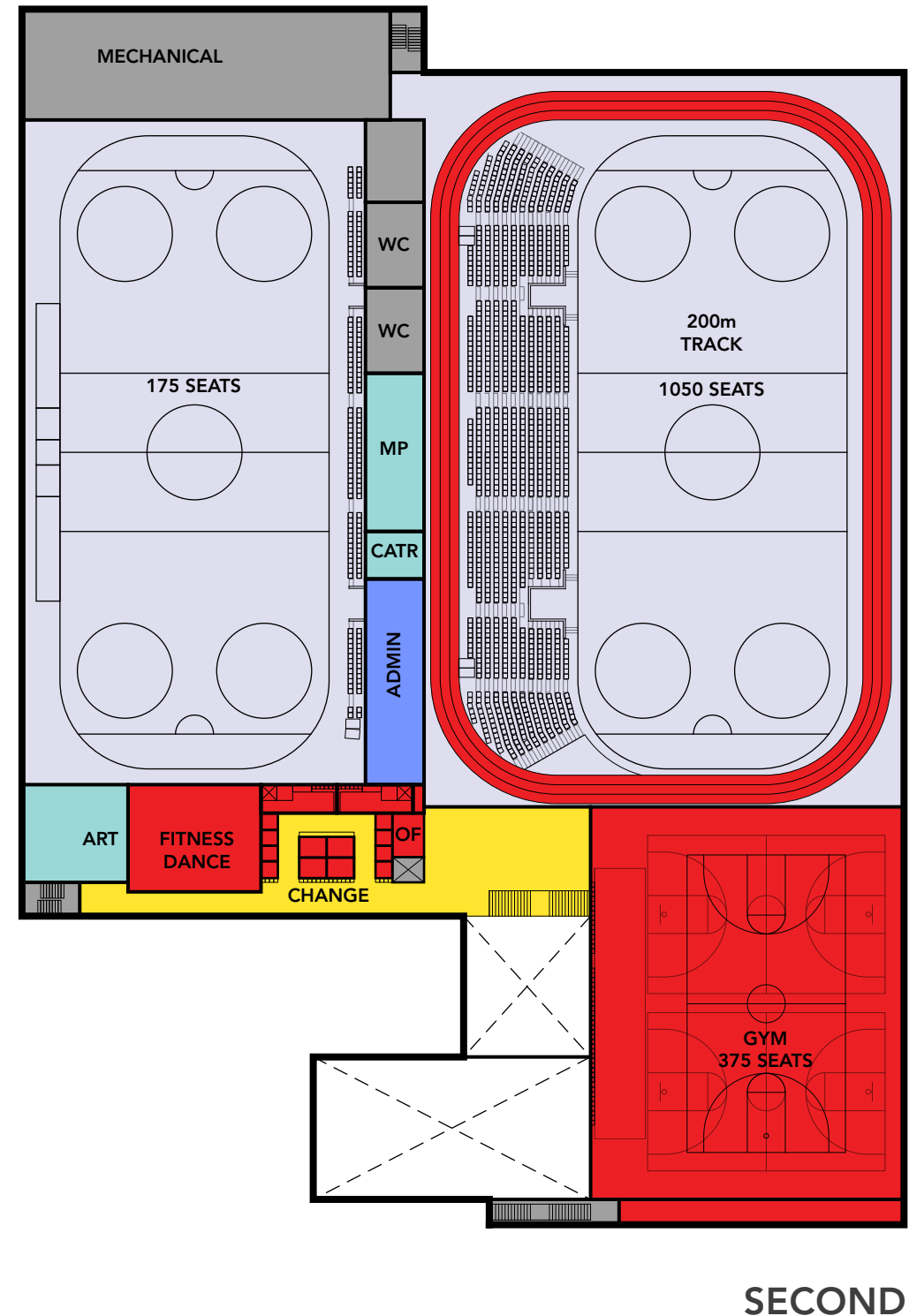
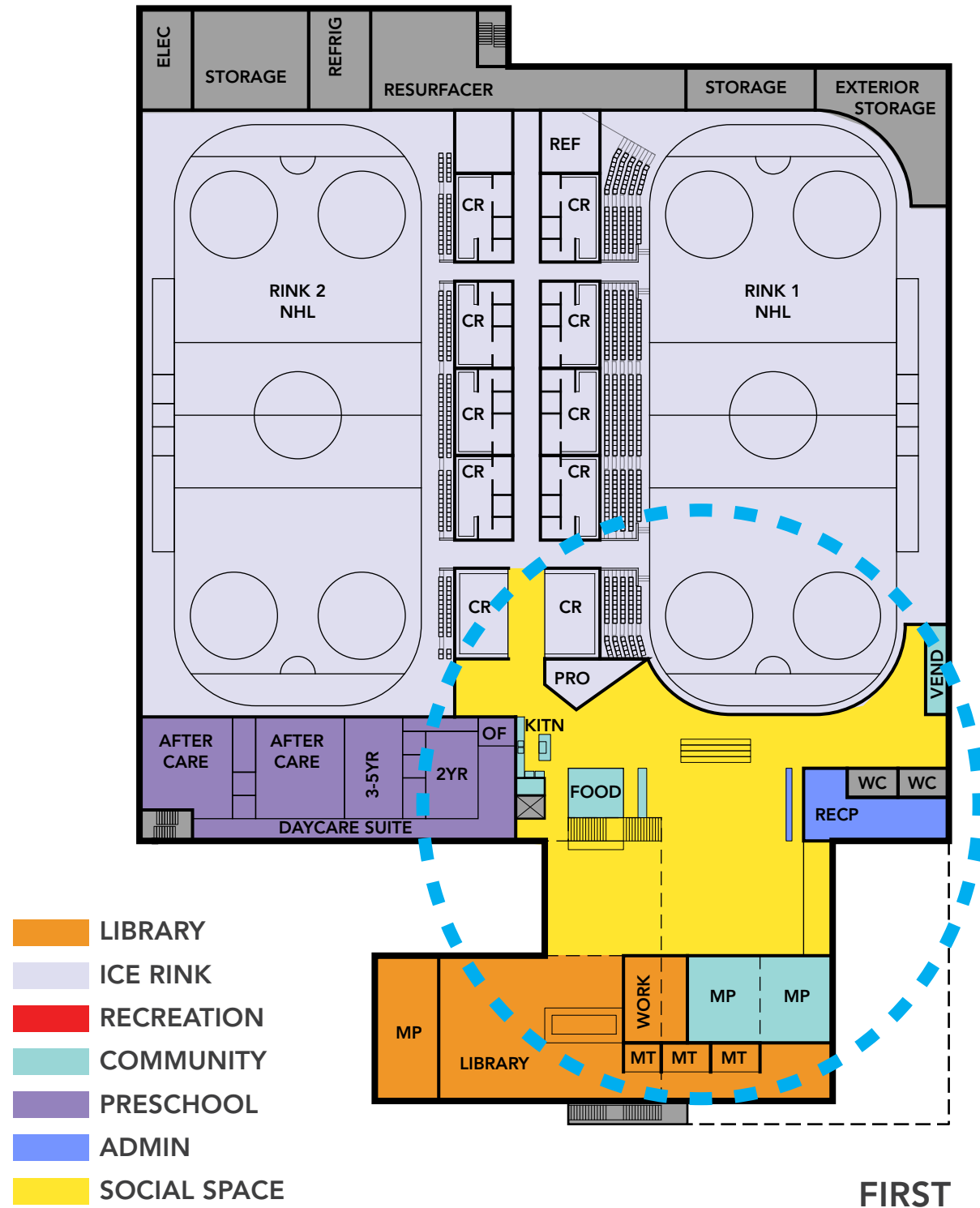
- LIBRARY
- ICE RINK
- RECREATION
- COMMUNITY
- PRESCHOOL
- ADMIN
- SOCIAL SPACE

FIRST



SECOND

ENTRY/LOBBY



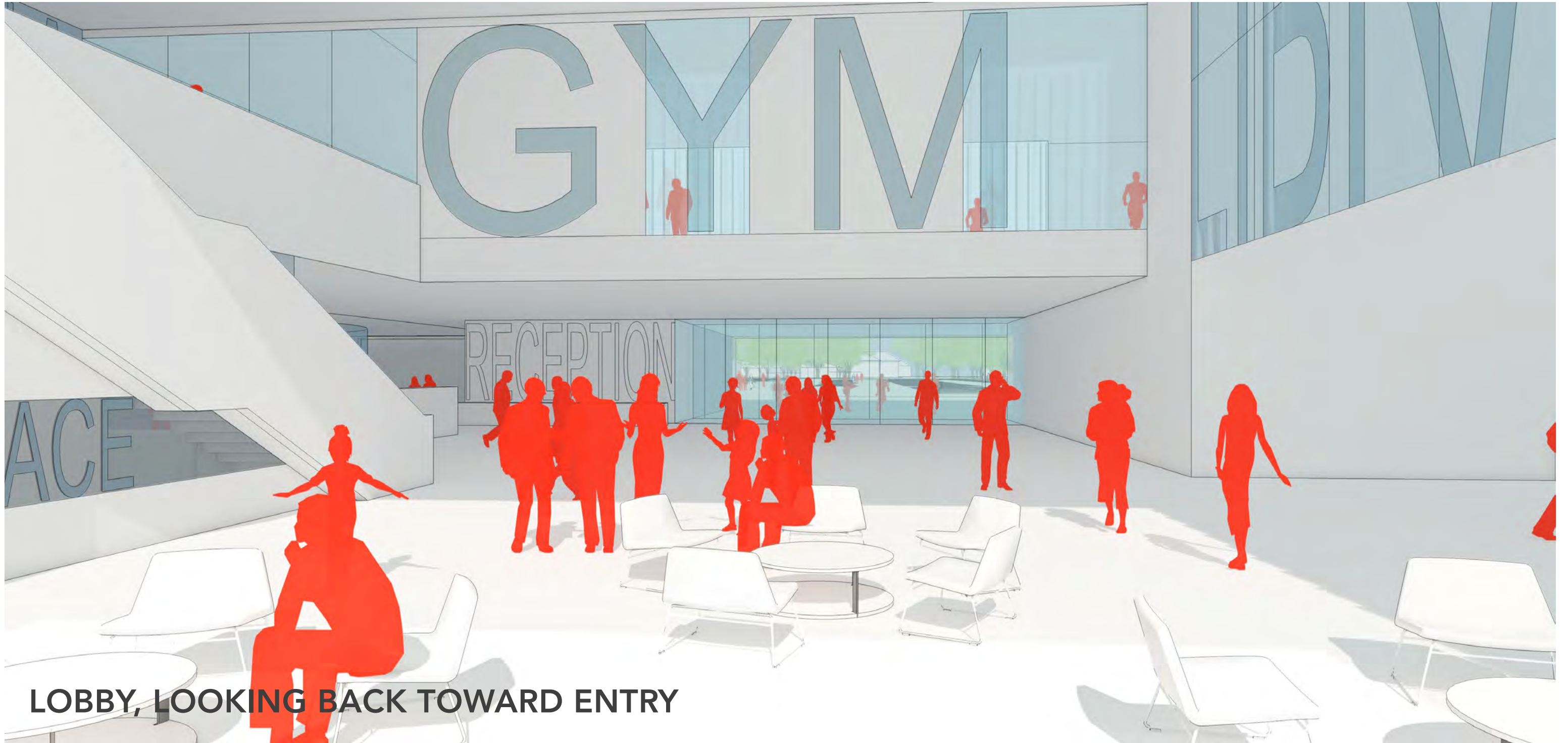
- LIBRARY
- ICE RINK
- RECREATION
- COMMUNITY
- PRESCHOOL
- ADMIN
- SOCIAL SPACE

ENTRY/LOBBY



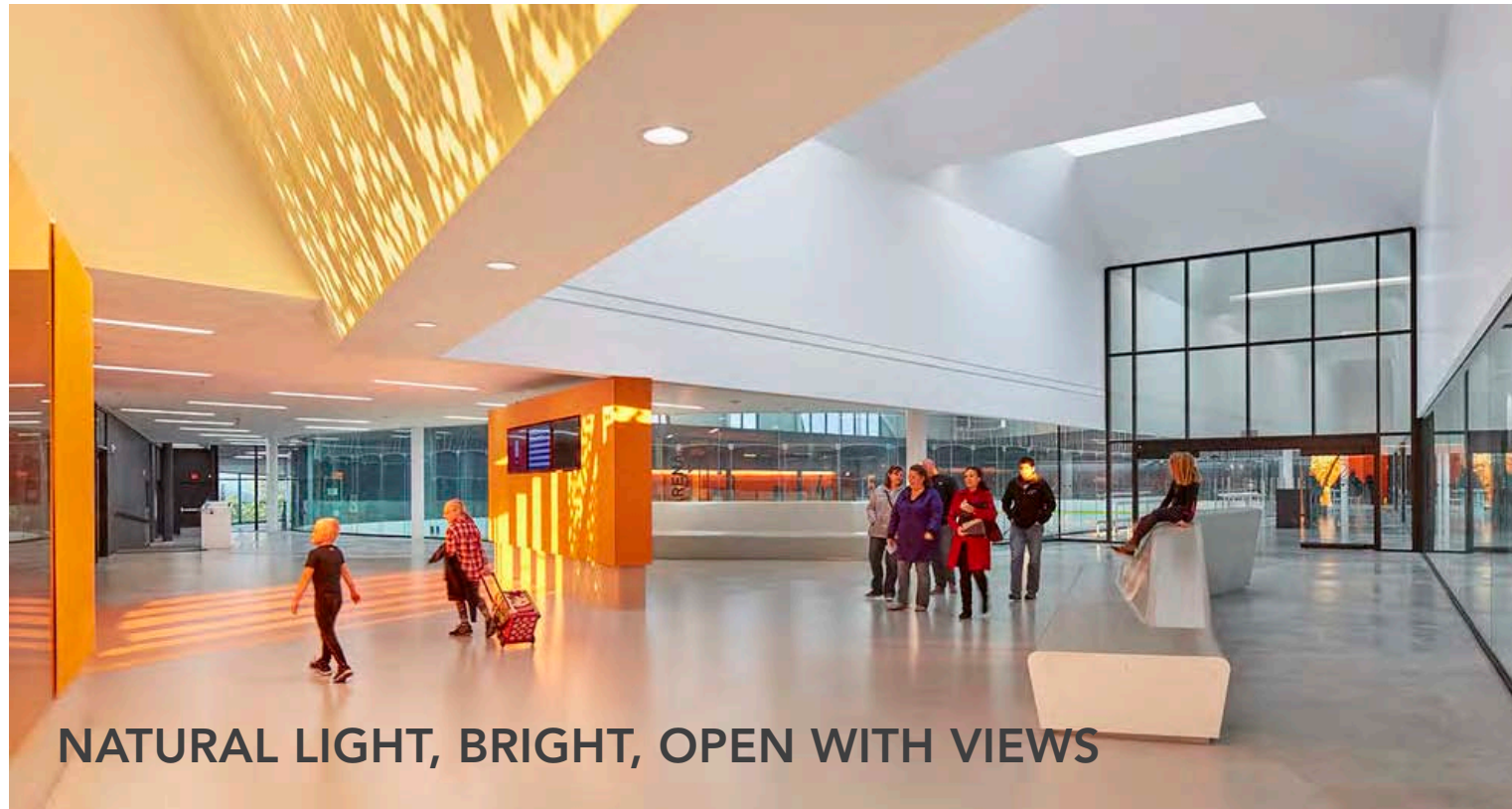
LOBBY, AT ENTRY

ENTRY/LOBBY



LOBBY, LOOKING BACK TOWARD ENTRY

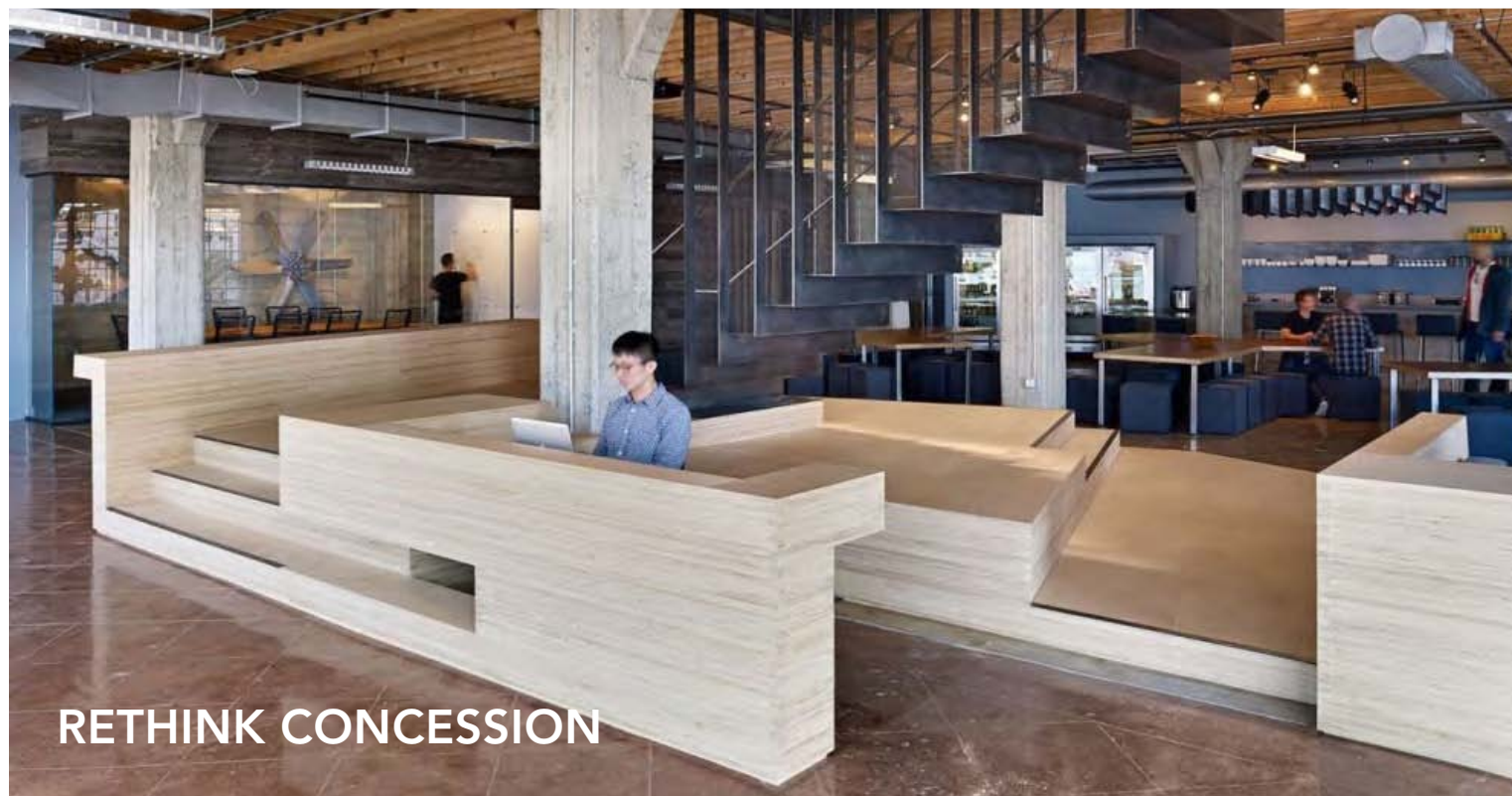
ENTRY/LOBBY



NATURAL LIGHT, BRIGHT, OPEN WITH VIEWS



LET THE EXTERIOR IN

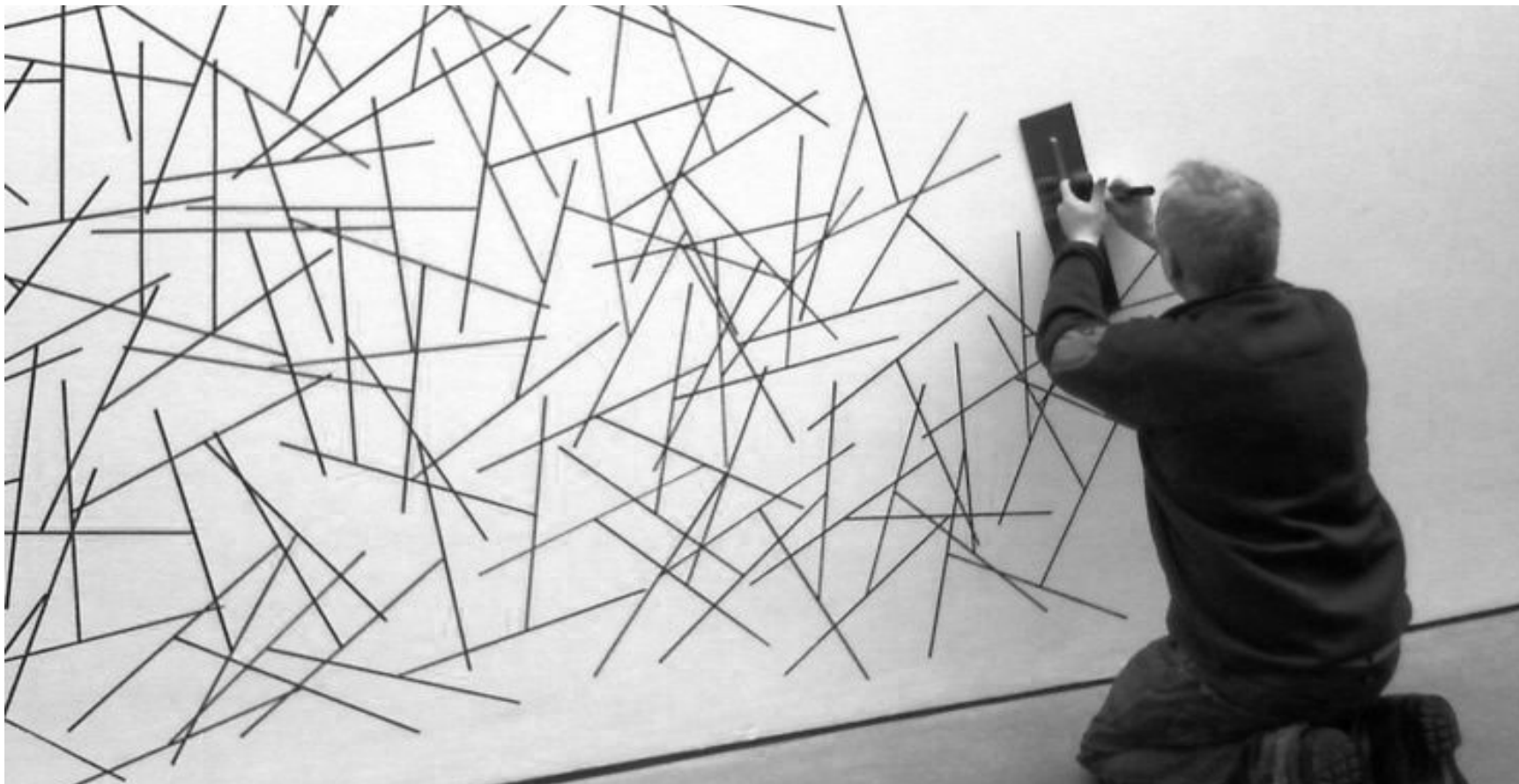


RETHINK CONCESSION



DYNAMIC SOCIAL HUB

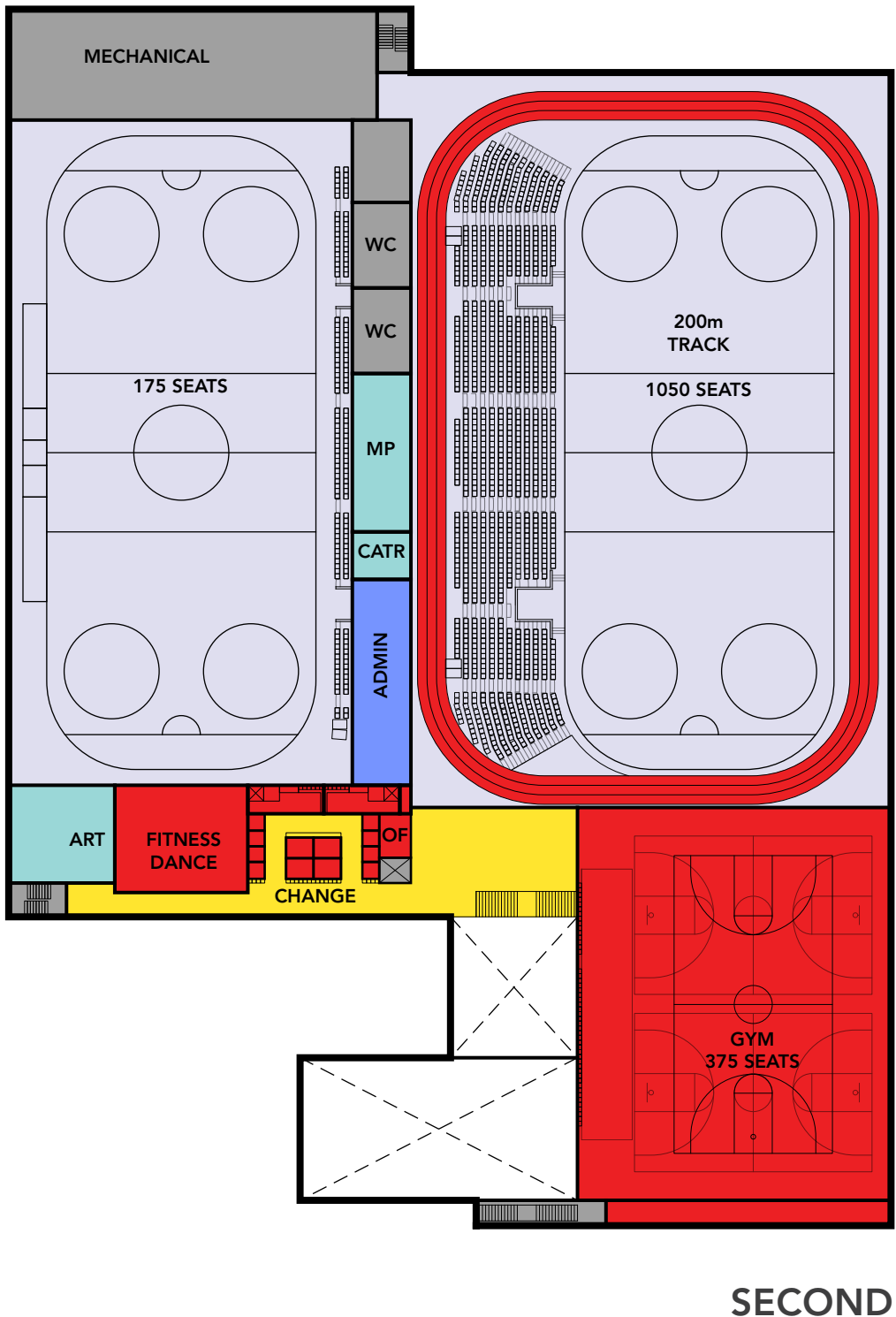
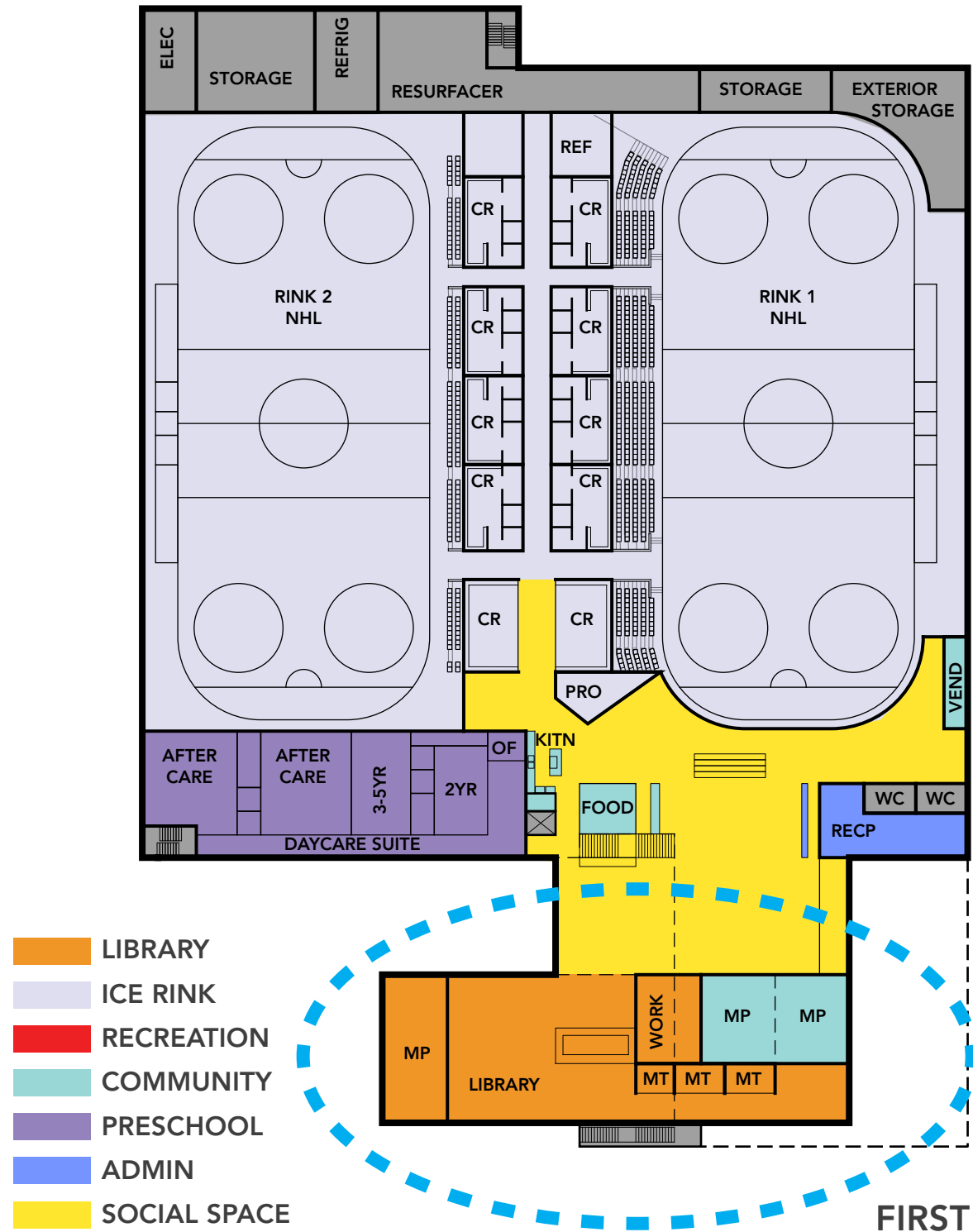
PUBLIC ART FRAMEWORK



FRAMEWORK:

- DON'T APPLY ARTWORK -
INTEGRATE ARTWORK INTO THE
DESIGN
- ARTWORK COULD BE INTERACTIVE/
FLEXIBLE, NOT STATIC
- ESTABLISH A FRAMEWORK THAT
ALLOWS FOR A VARIETY OF ART
THROUGHOUT THE BUILDING
- THE ENTIRE BUILDING COULD BE A
KIND OF GALLERY

LIBRARY

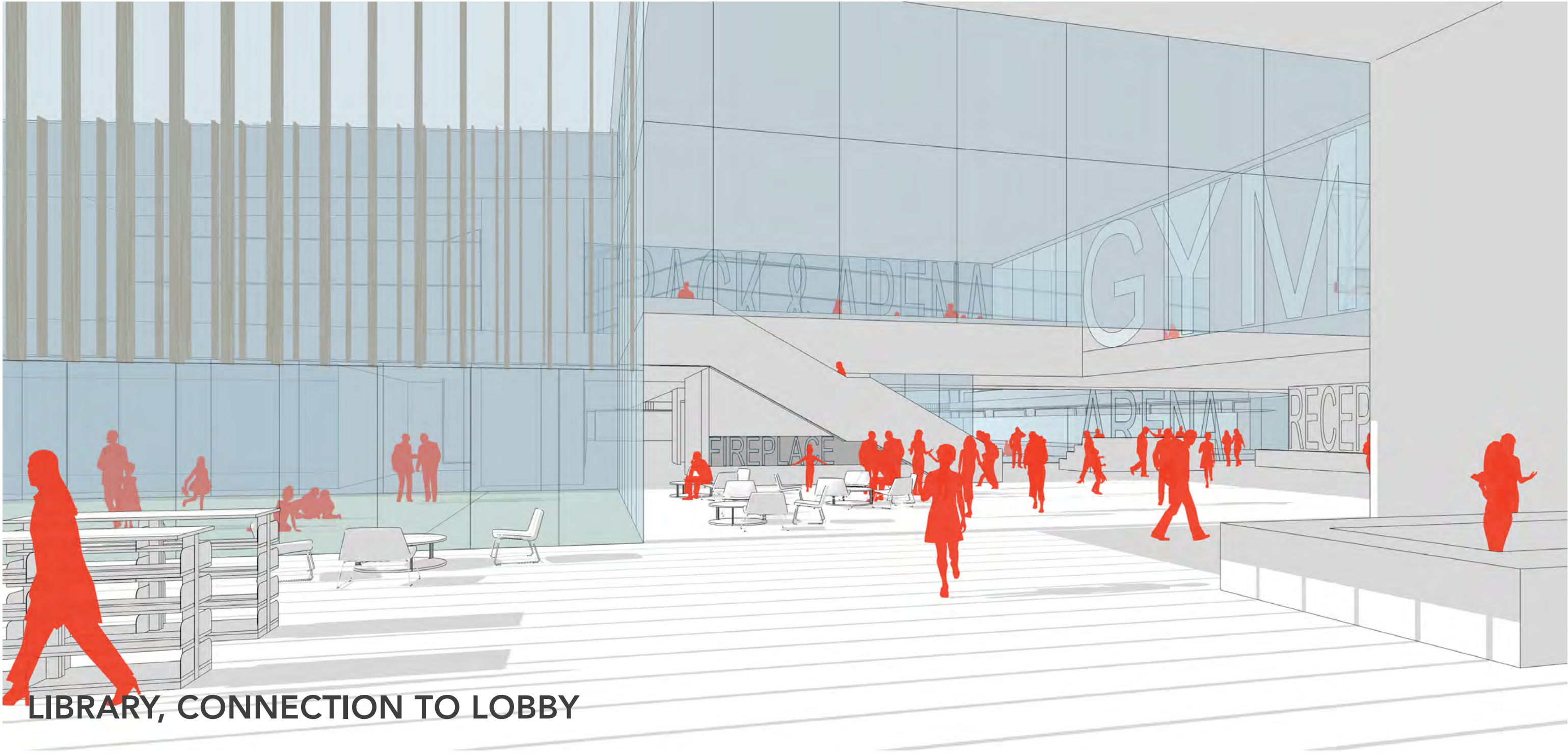


LIBRARY



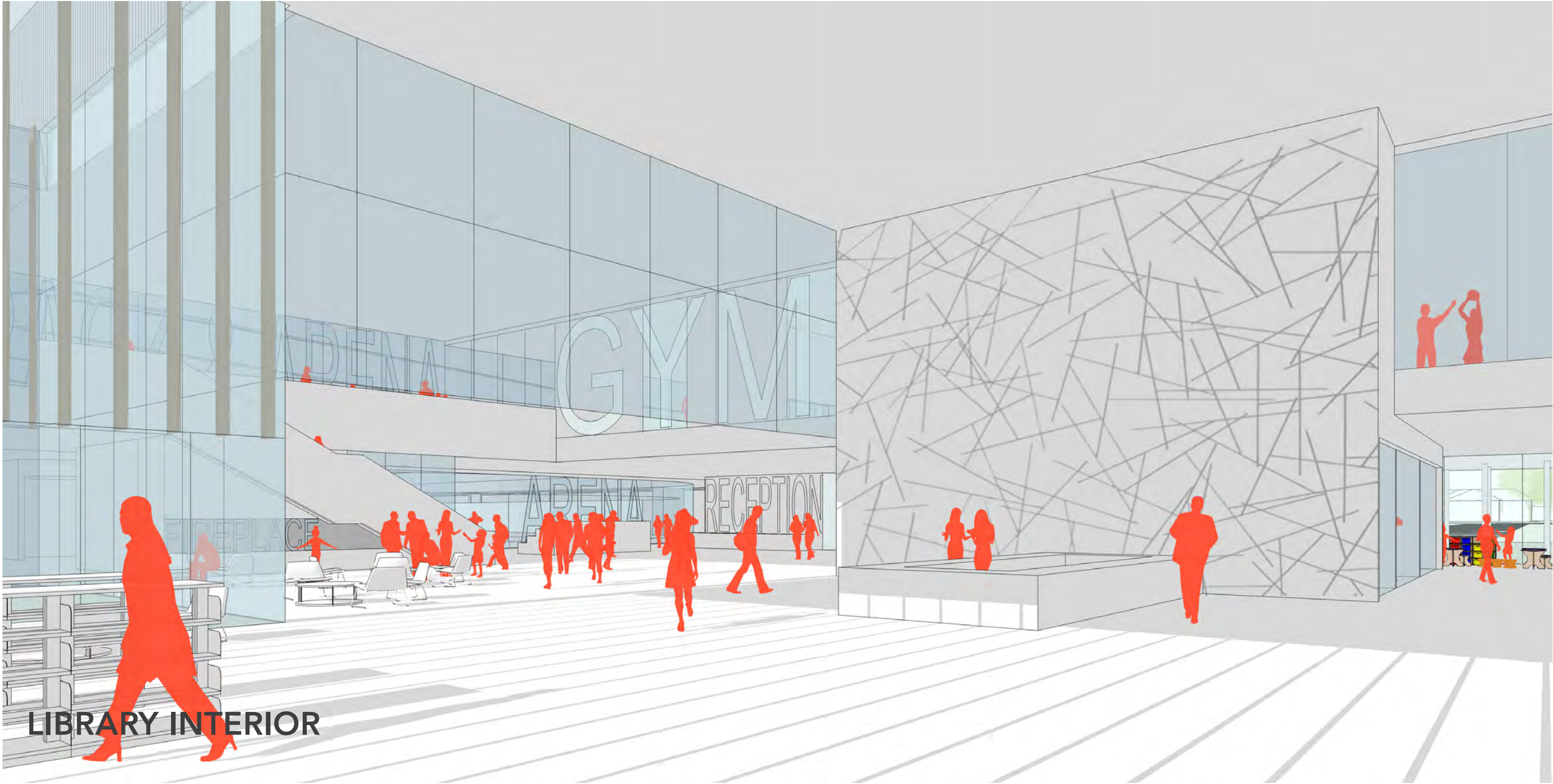
LIBRARY ENTRANCE FROM LOBBY

LIBRARY



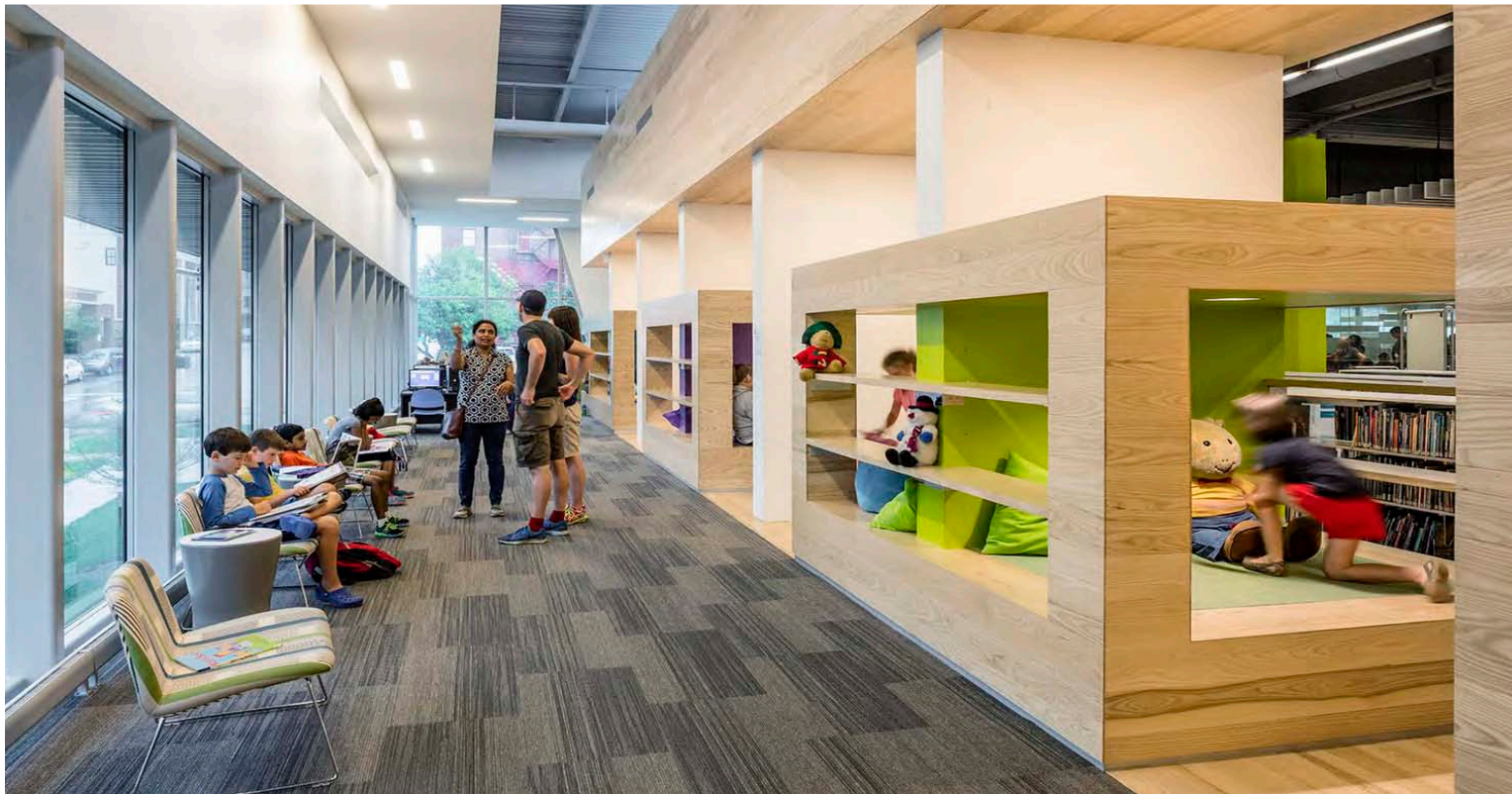
LIBRARY, CONNECTION TO LOBBY

LIBRARY

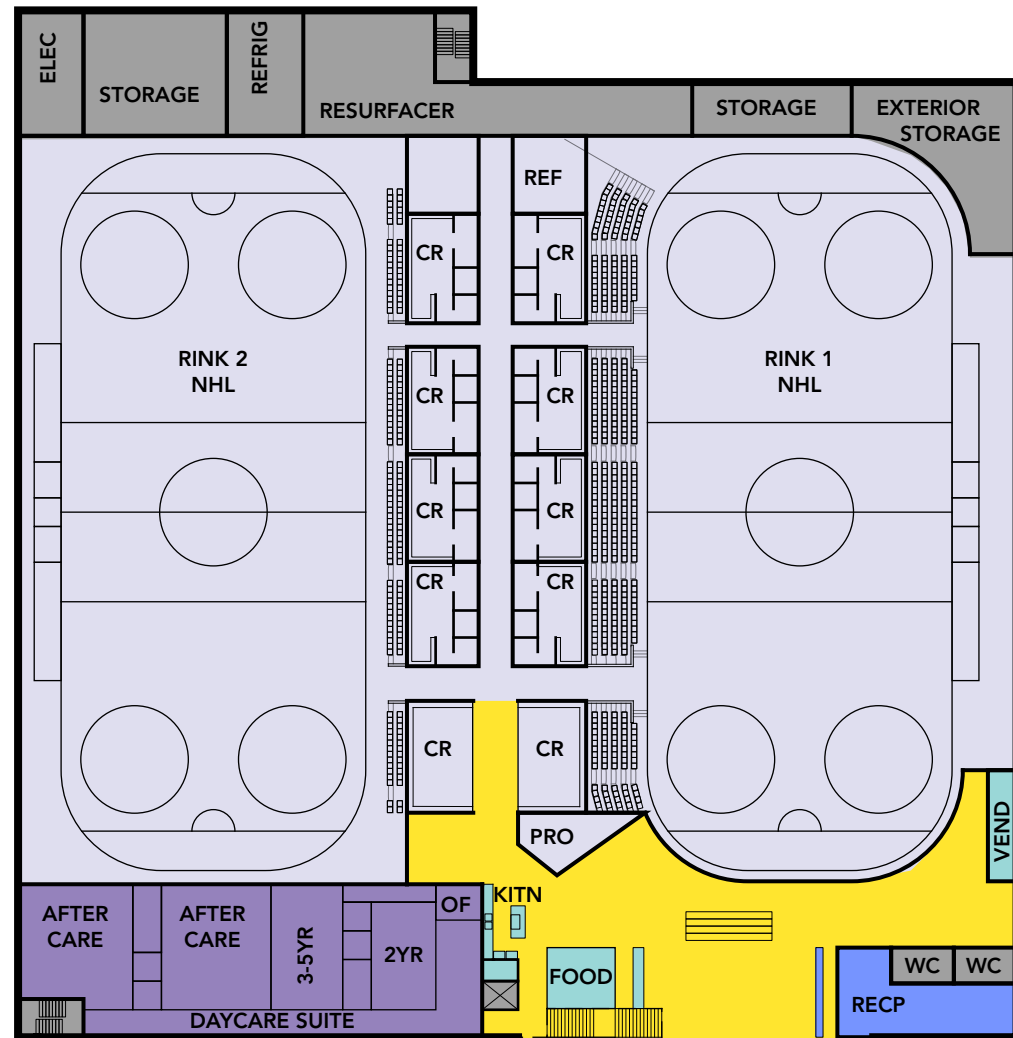


LIBRARY INTERIOR

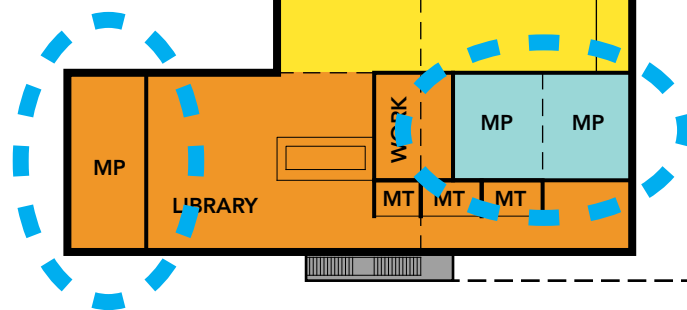
LIBRARY



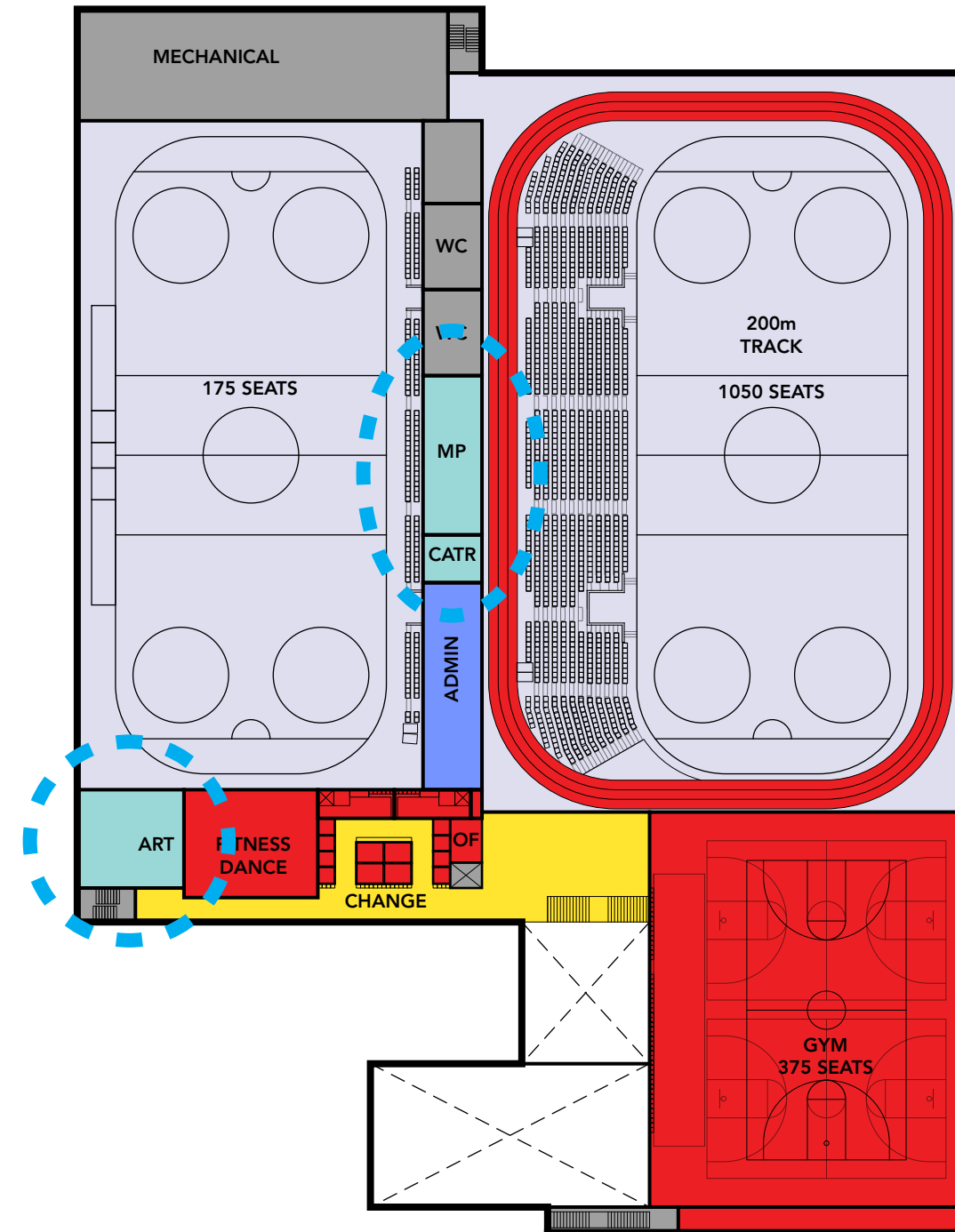
MULTI-PURPOSE



- LIBRARY
- ICE RINK
- RECREATION
- COMMUNITY
- PRESCHOOL
- ADMIN
- SOCIAL SPACE



FIRST

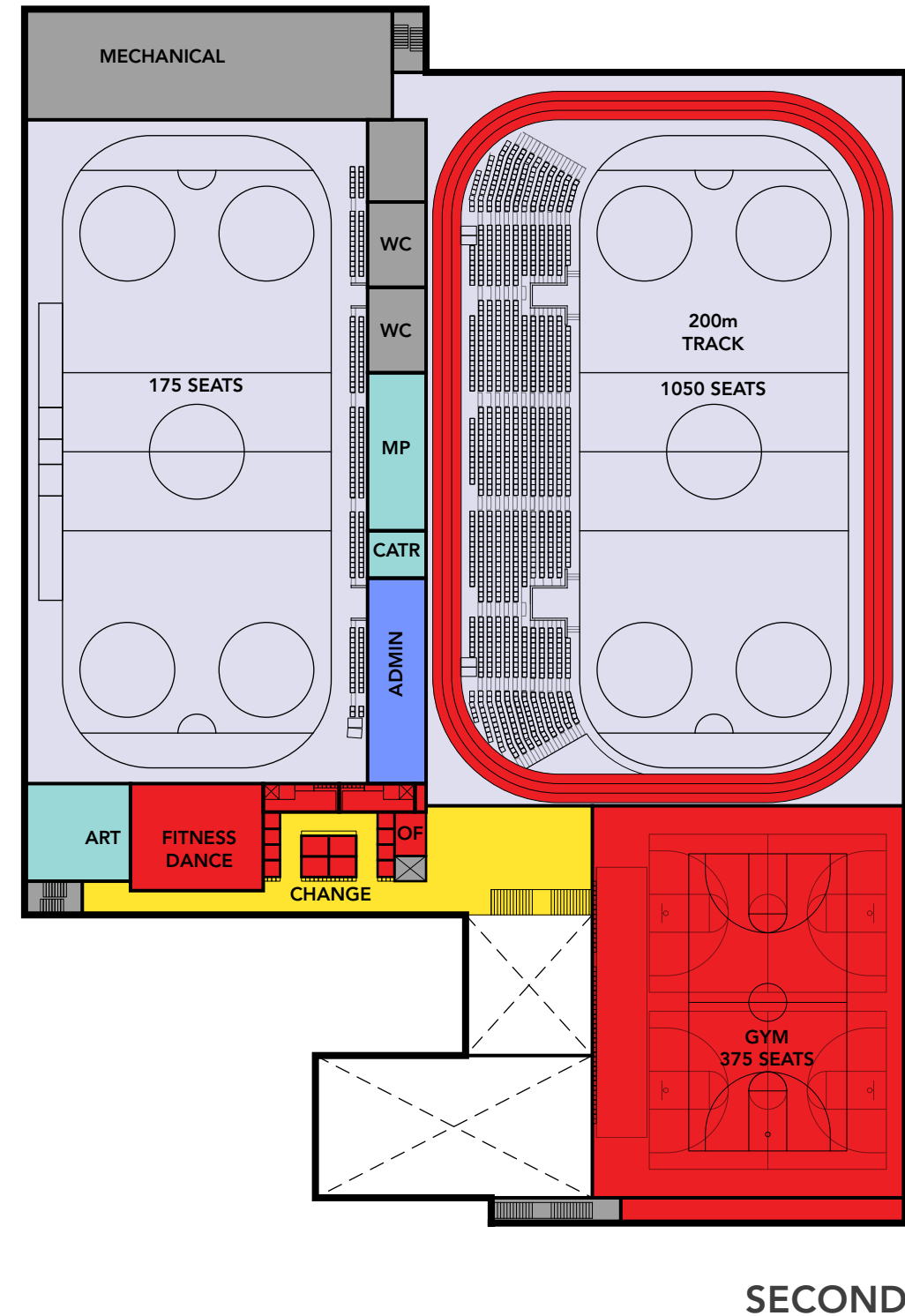
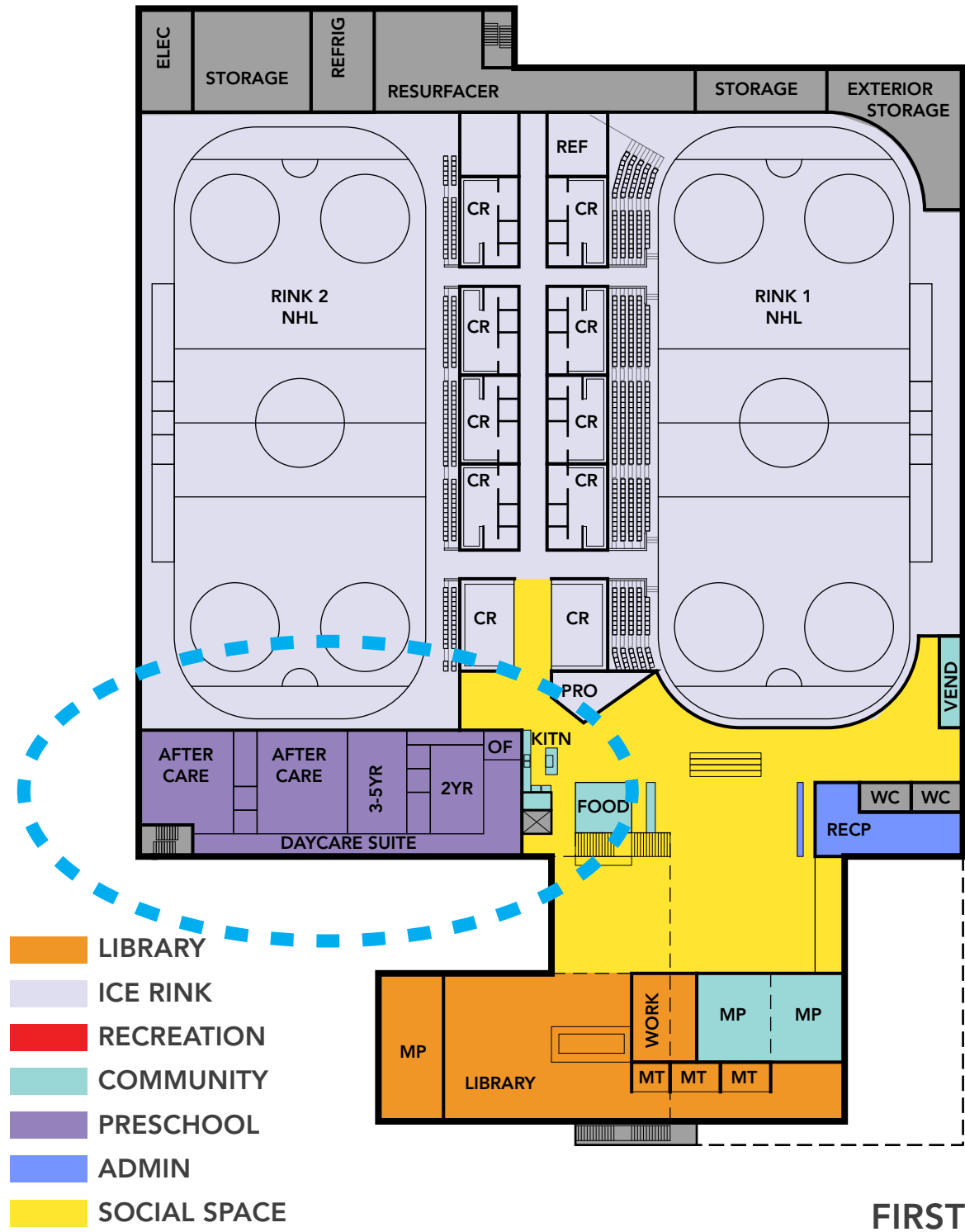


SECOND

MULTI-PURPOSE



PRE-SCHOOL



PRESCHOOL



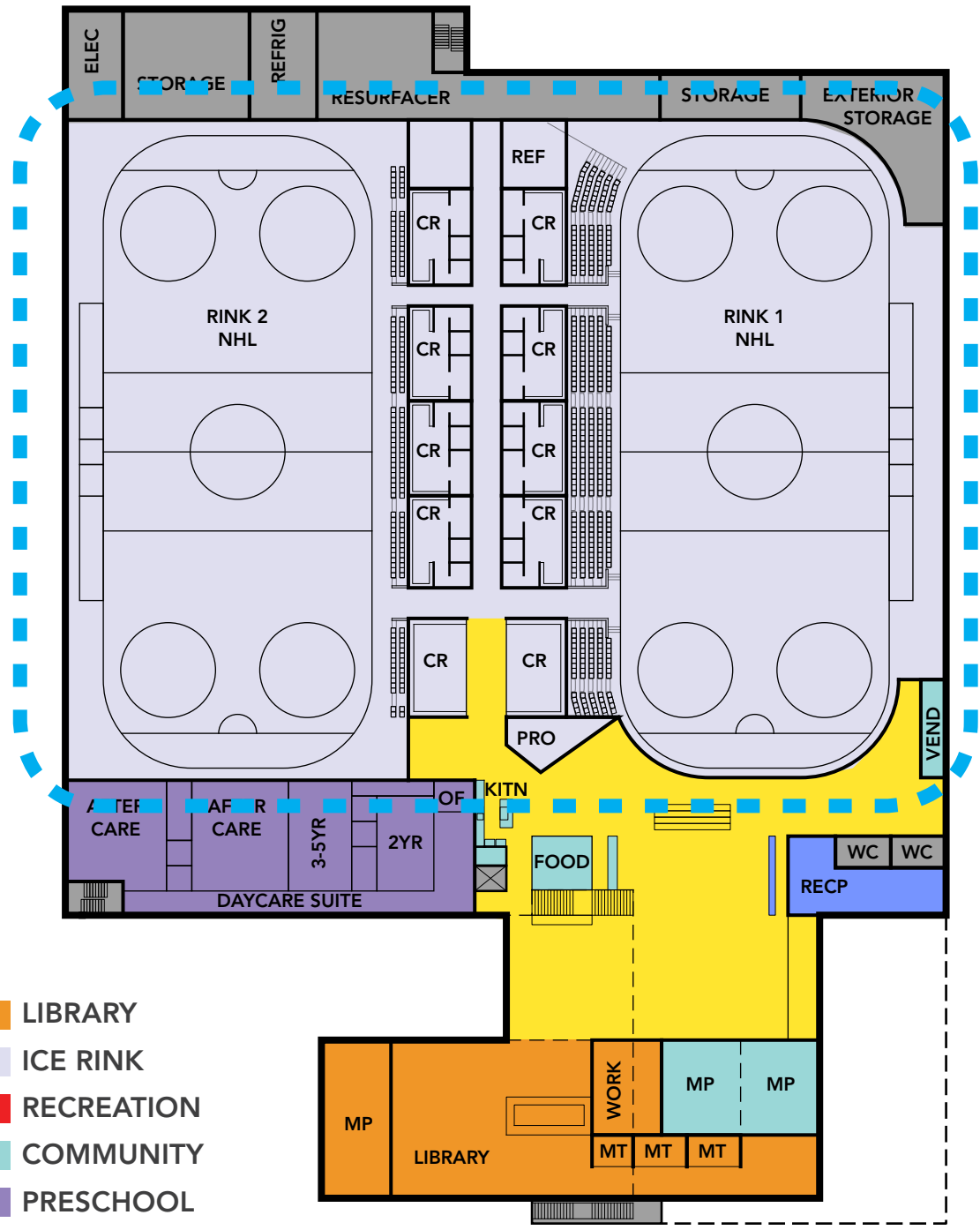
SECURE AND SEPARATE



CONNECTION TO OUTSIDE

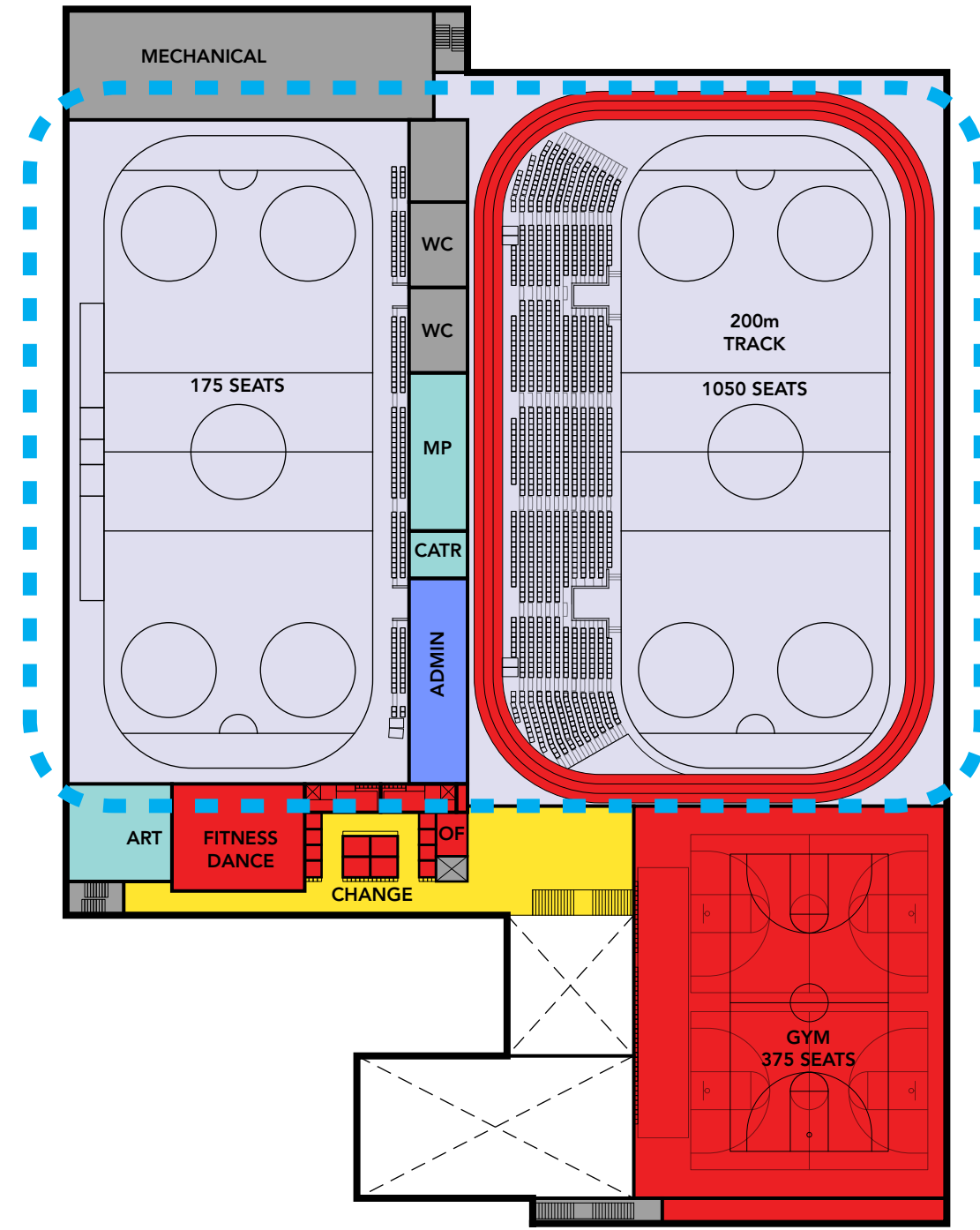
- INDIVIDUAL TOILET ROOMS
- SEPARATE OFFICES AND SUPPORT SPACE FOR STAFF
- ACCESS TO OUTDOORS
- NATURAL LIGHT

ICE ARENAS



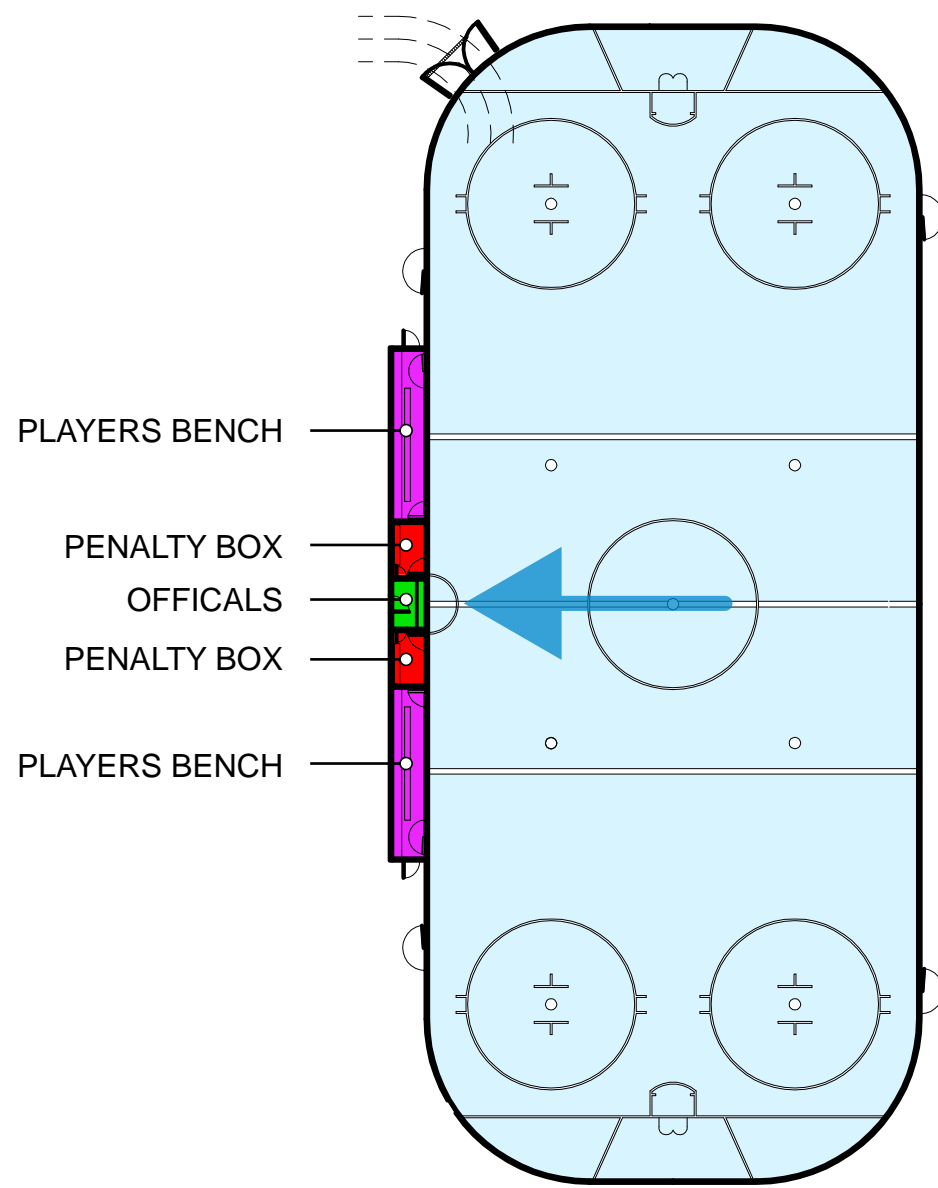
- LIBRARY
- ICE RINK
- RECREATION
- COMMUNITY
- PRESCHOOL
- ADMIN
- SOCIAL SPACE

FIRST

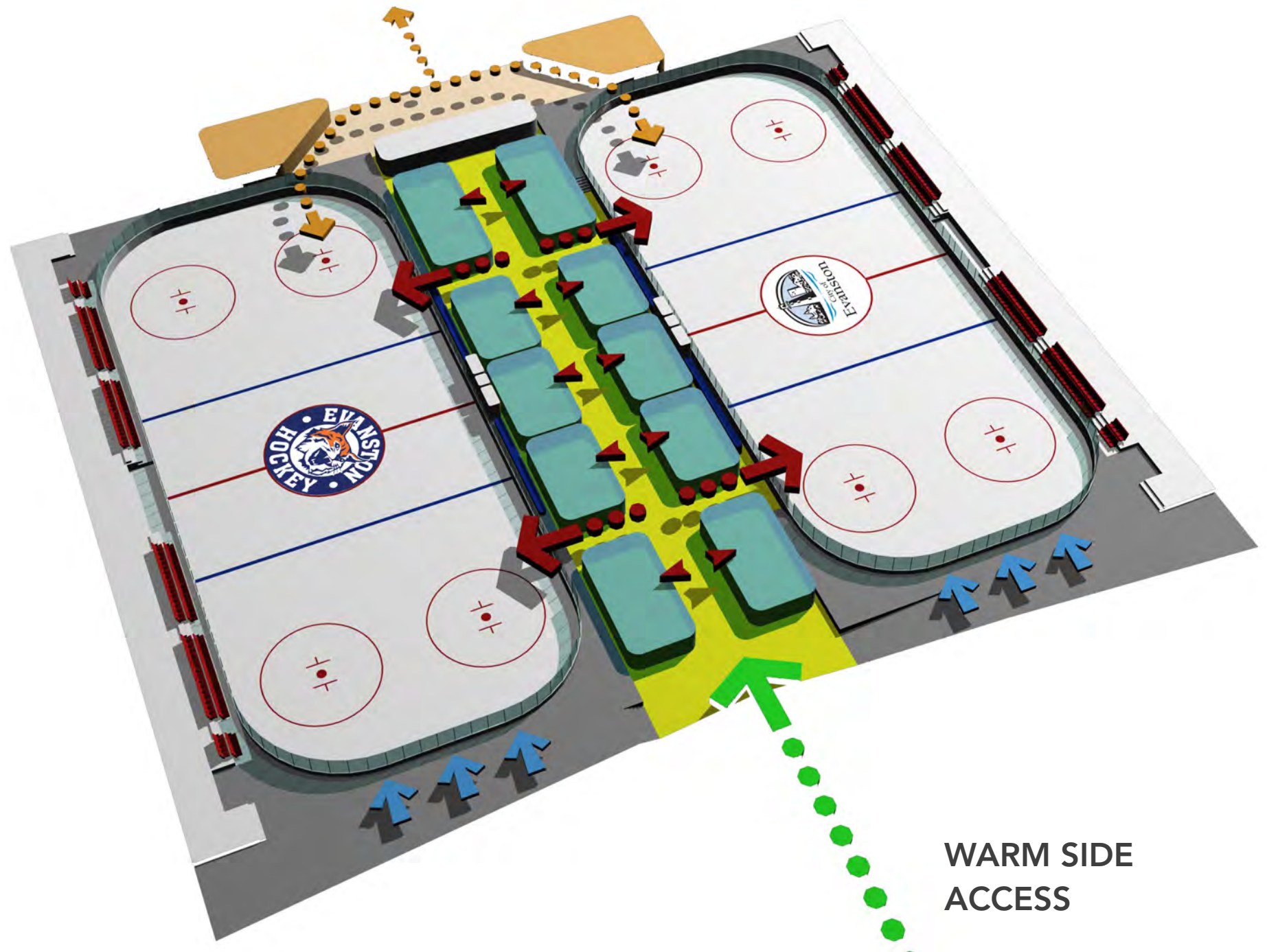


SECOND

ICE ARENA PLAYER ACCESS

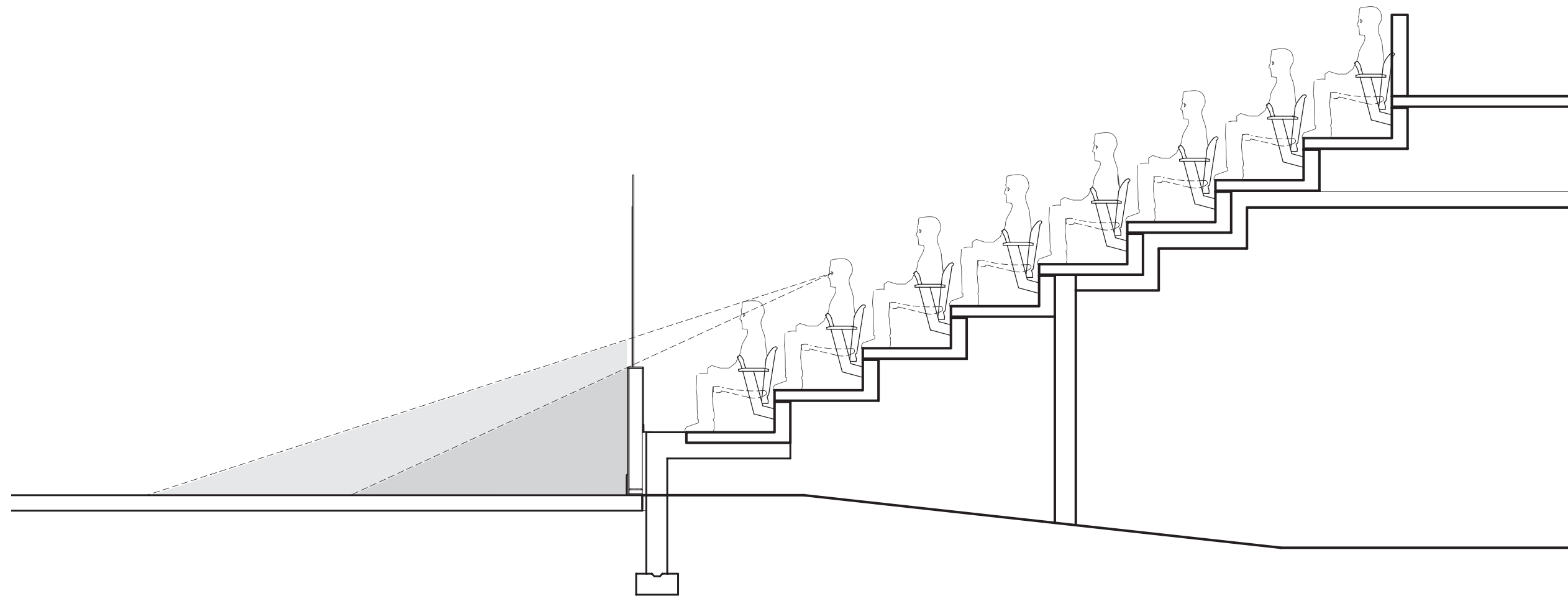


SINGLE SIDE RINK LAYOUT



WARM SIDE ACCESS

ICE ARENA SPECTATOR SIGHTLINES



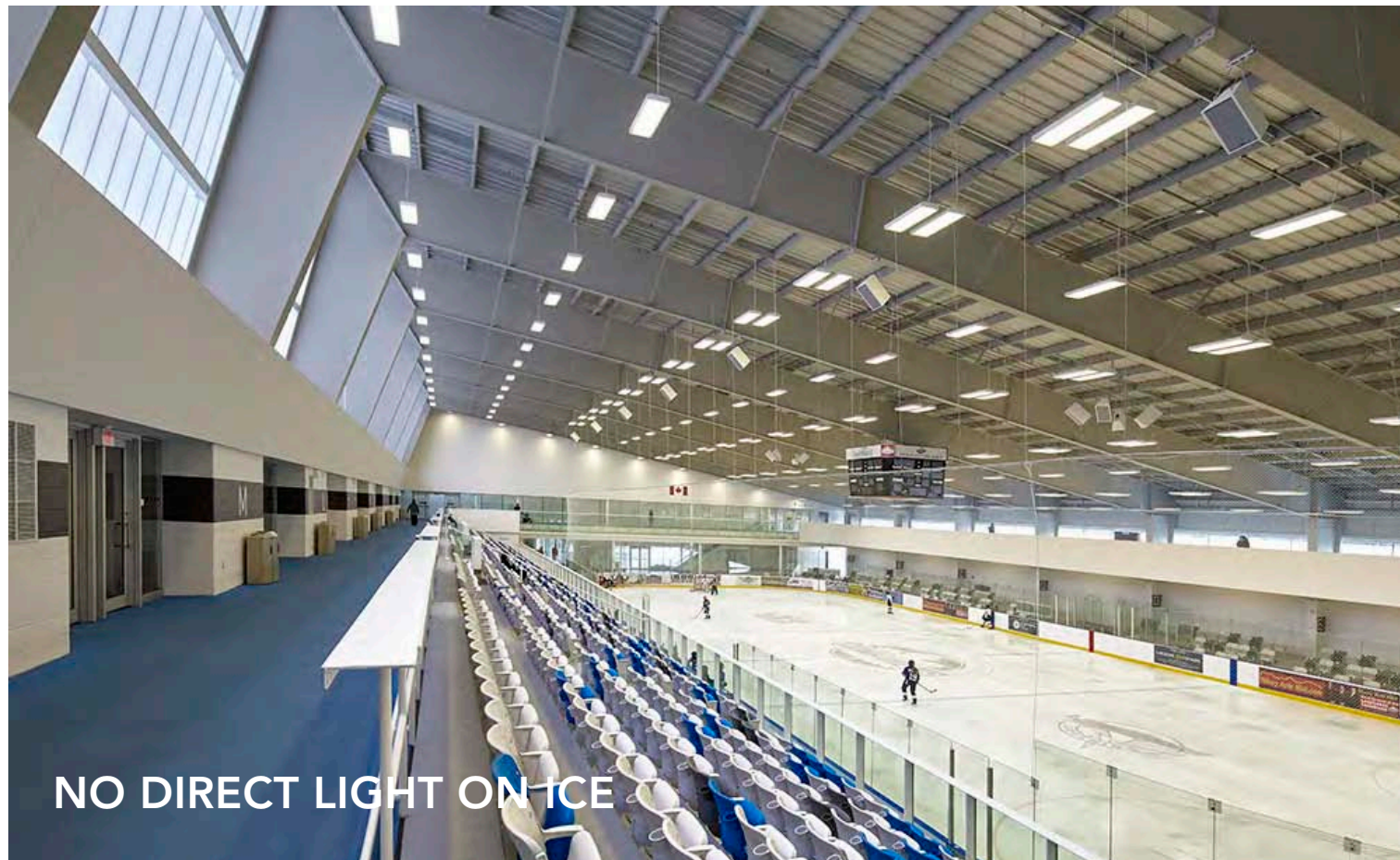
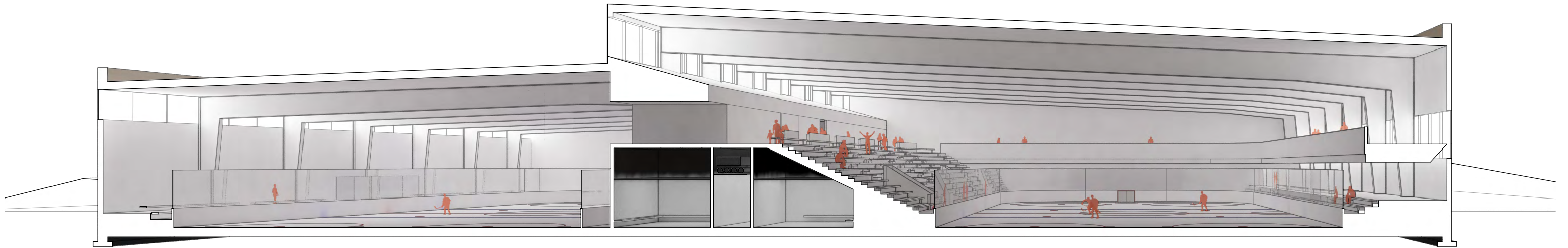
DASHER BOARD SEATING

ICE ARENA SPECTATOR SIGHTLINES



DASHER BOARD SEATING

ICE ARENA NATURAL LIGHT

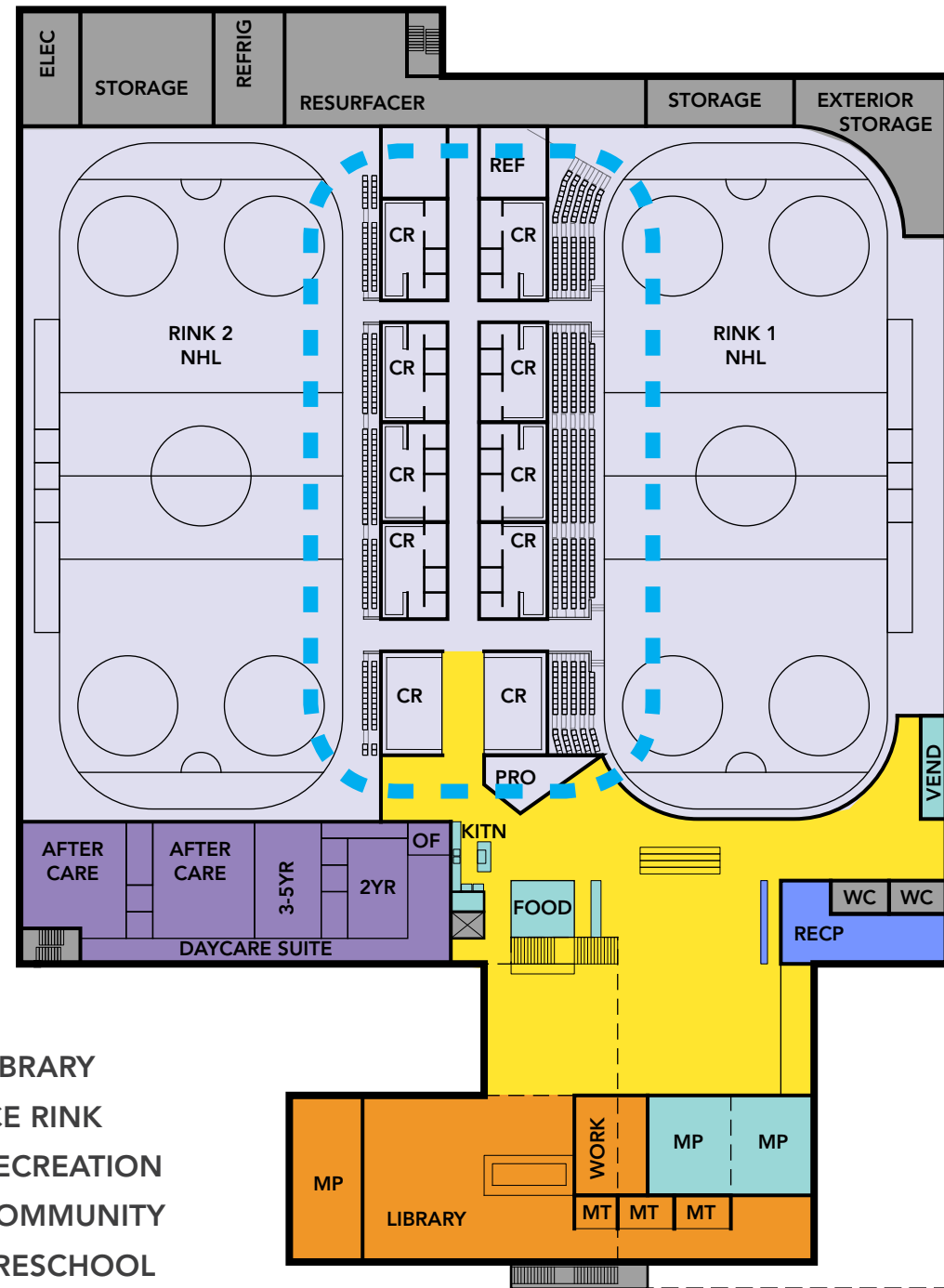


ICE ARENAS



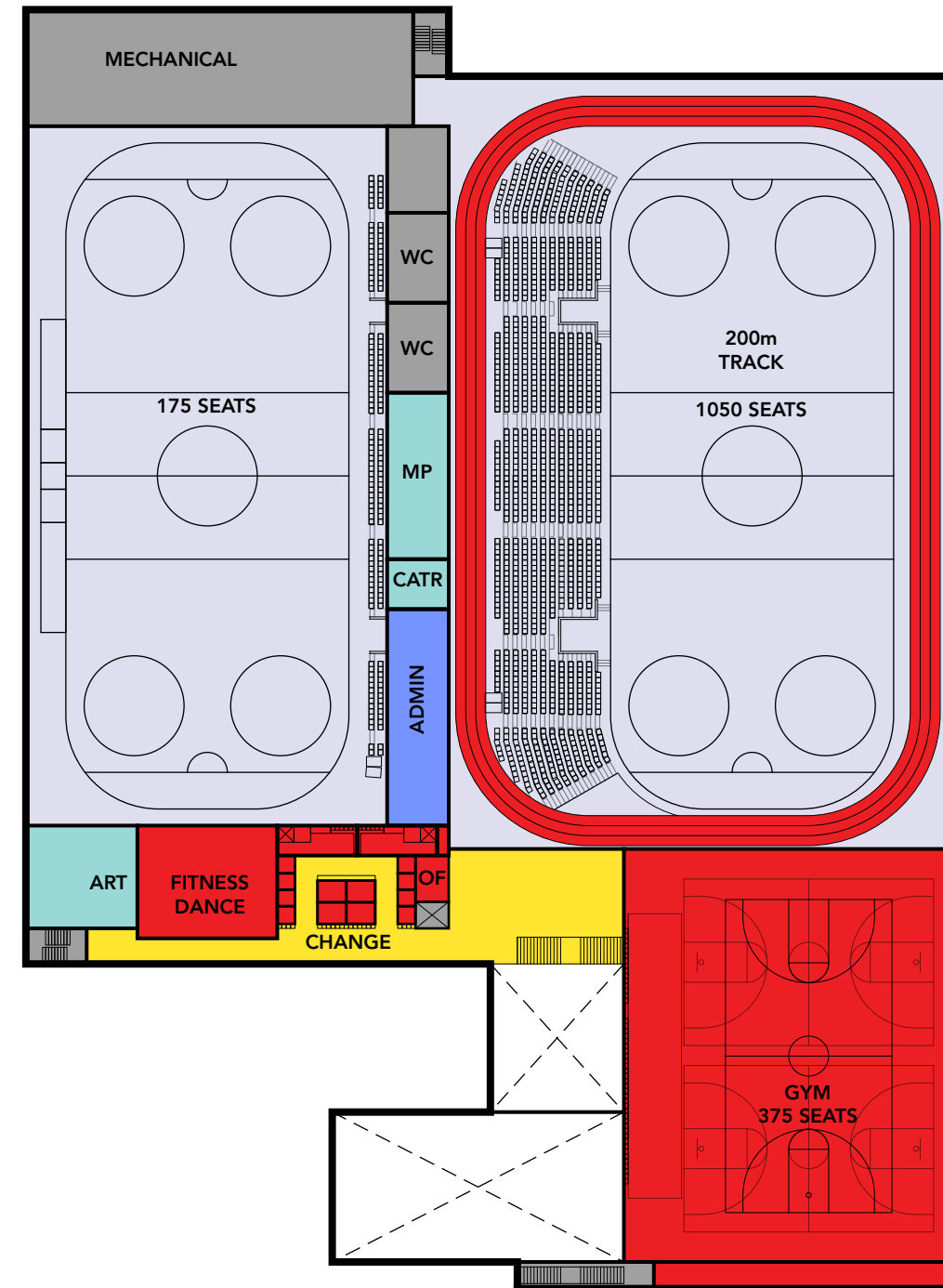
ICE ARENA INTERIOR

ICE ARENA CHANGE ROOMS



- LIBRARY
- ICE RINK
- RECREATION
- COMMUNITY
- PRESCHOOL
- ADMIN
- SOCIAL SPACE

FIRST



SECOND

ICE ARENA CHANGE ROOMS



STANDARD CHANGE ROOMS

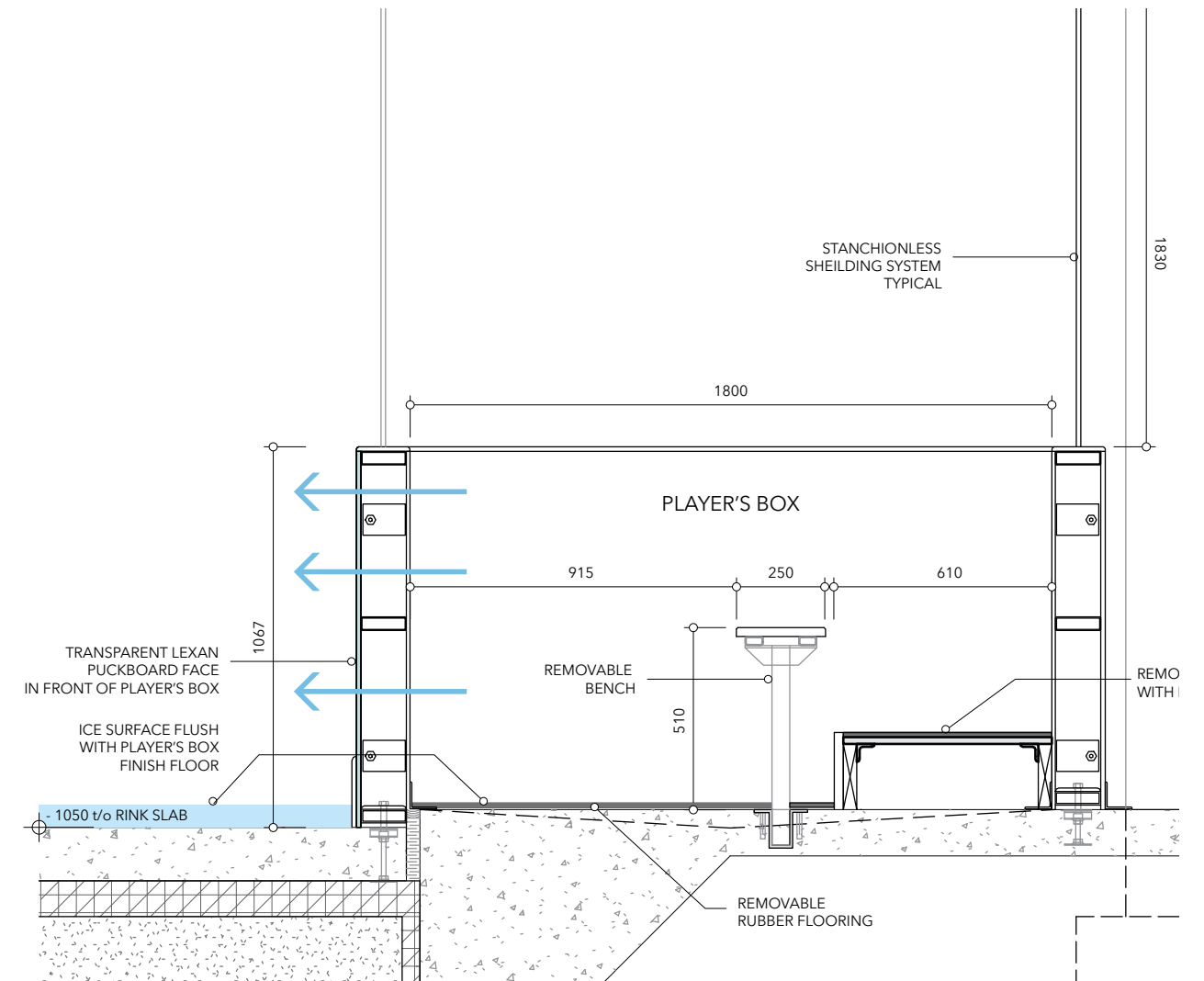
- SHOWERS
- ACCESSIBLE / UNIVERSAL ACCESS
- GENDER DEDICATED



FLEXIBLE CHANGE ROOMS

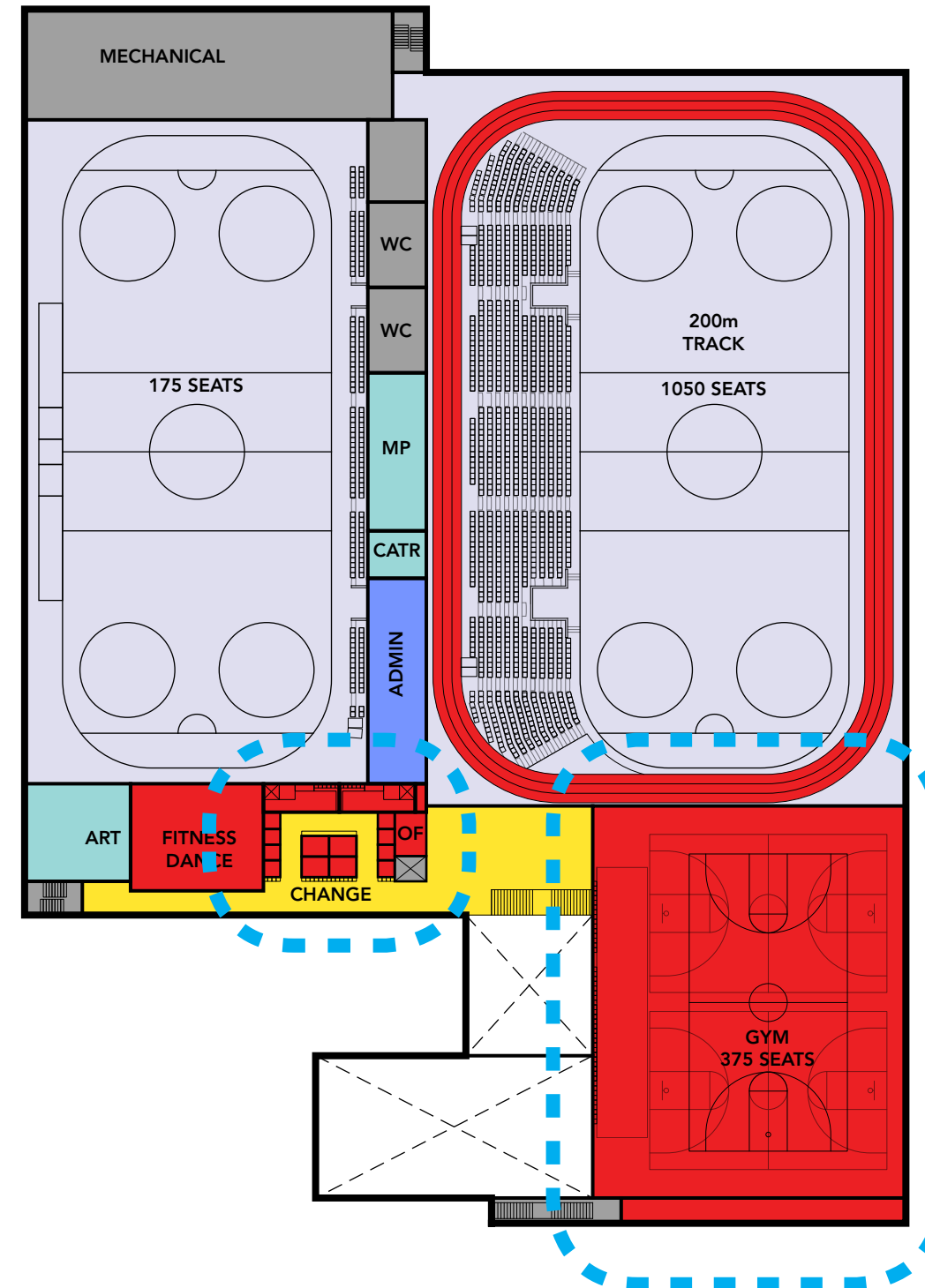
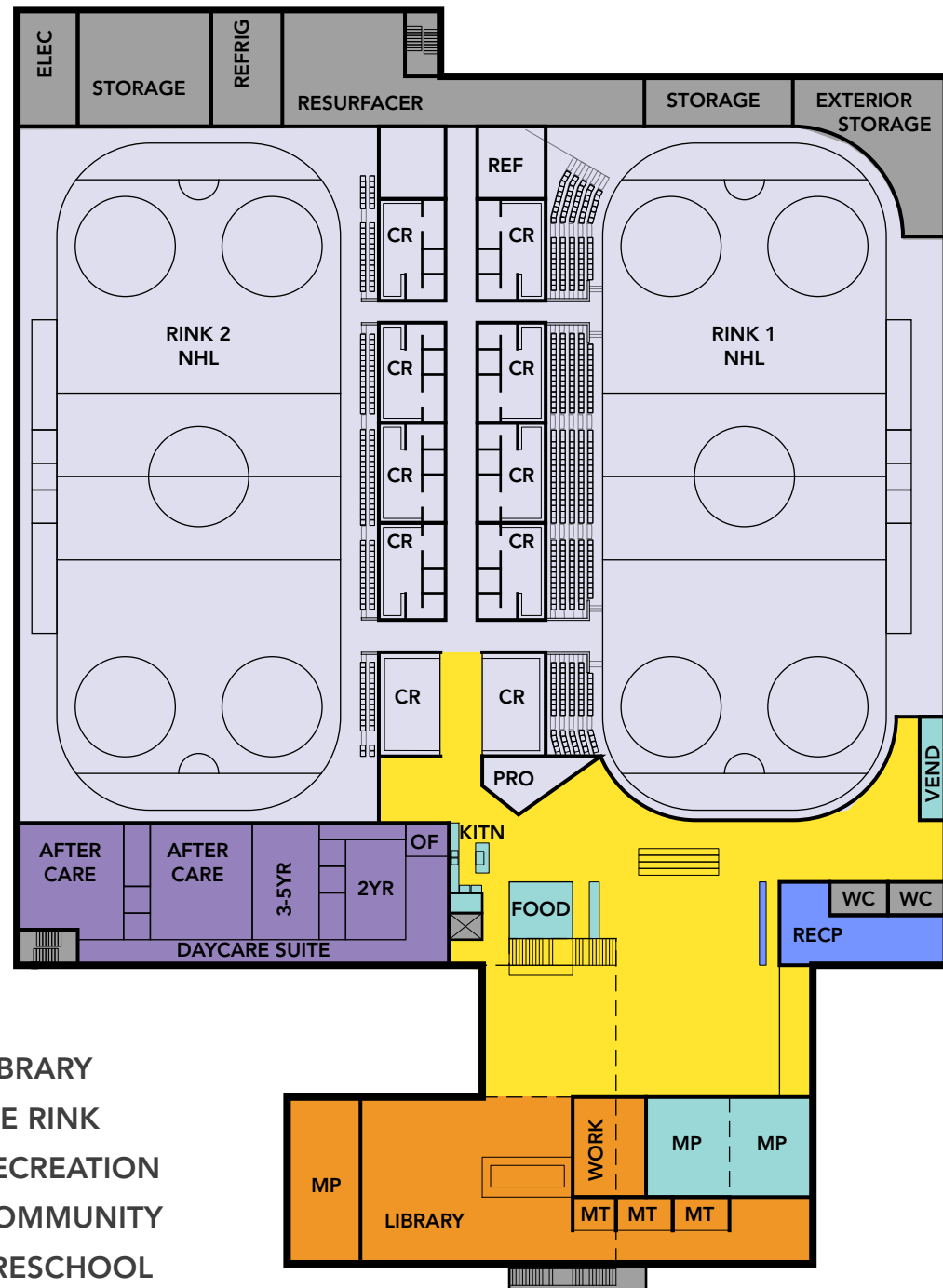
- NO SHOWERS
- GLAZING TO EXTERIOR
- MULTI-PURPOSE

SLED HOCKEY / UNIVERSAL ACCESS



DEDICATED OR CONVERTIBLE BENCH AREAS
GLIDE ON GLIDE OFF
CLEAR VIEW DASHERBOARDS

GYMNASIUM / CHANGE ROOMS



GYMNASIUM



2ND FLOOR ENTRY TO GYMNASIUM/ICE ARENA

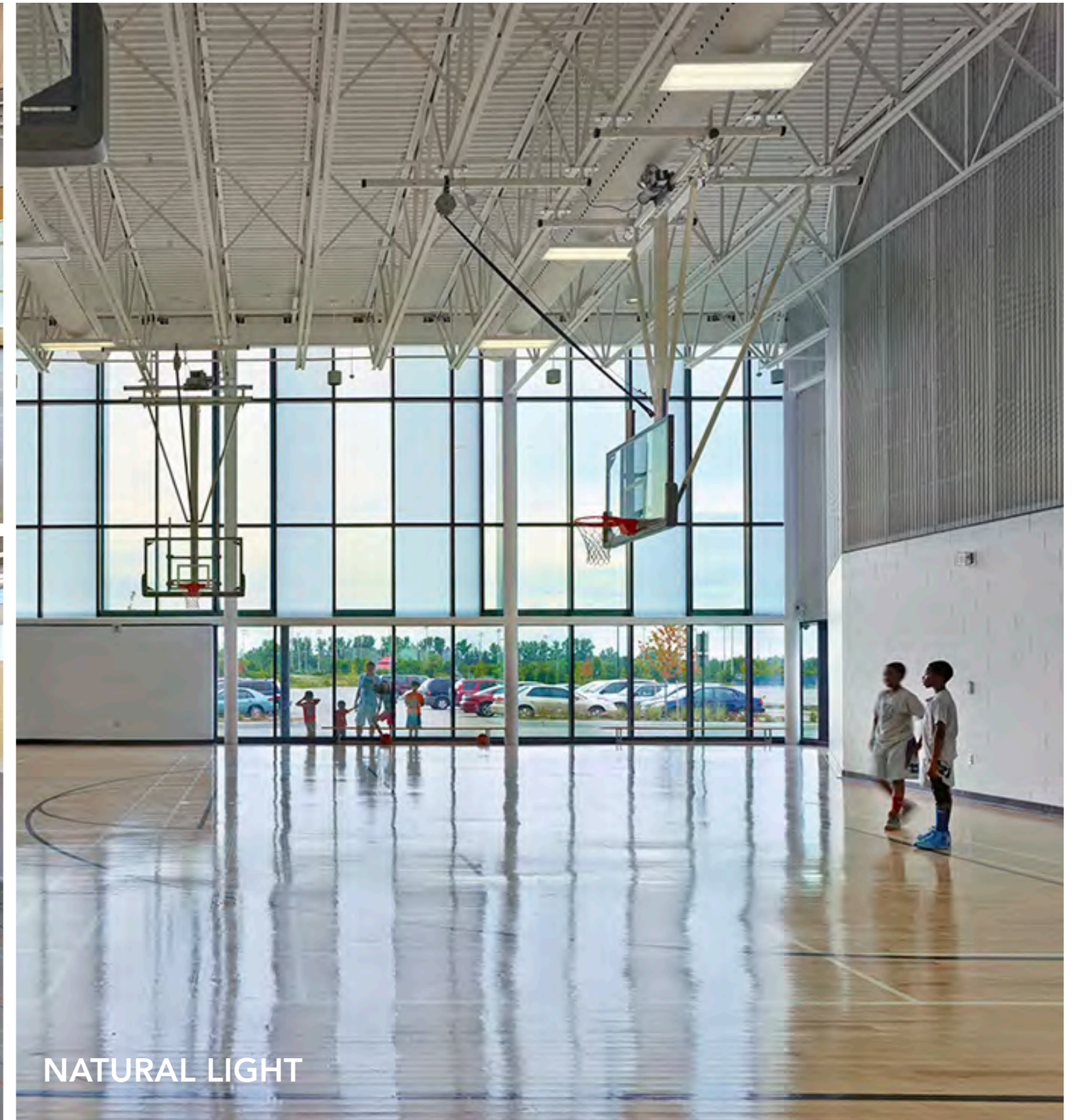
GYMNASIUM



CEILING DIVIDERS / MULTIPURPOSE



VIEWS IN AND THROUGH

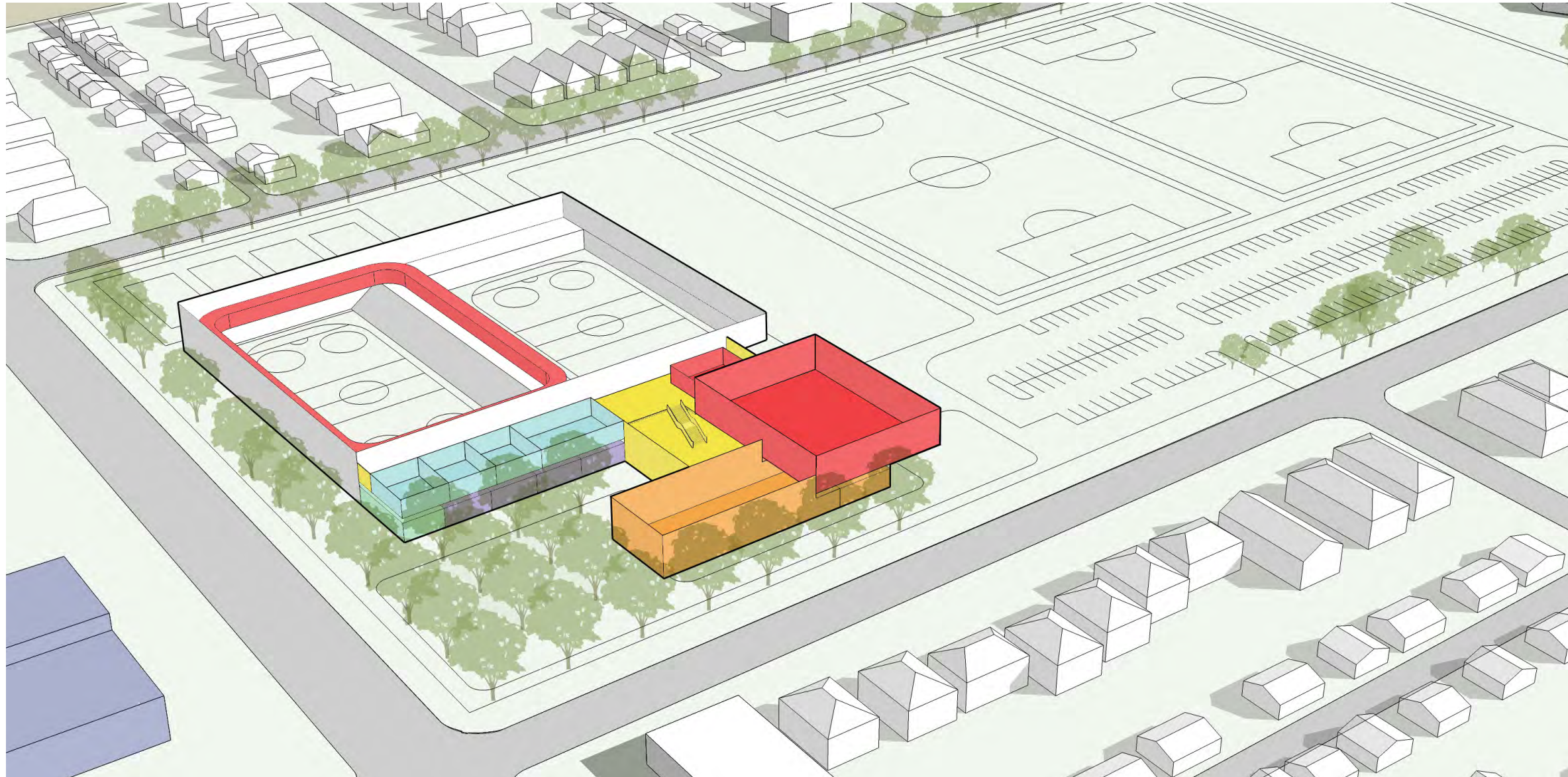


NATURAL LIGHT

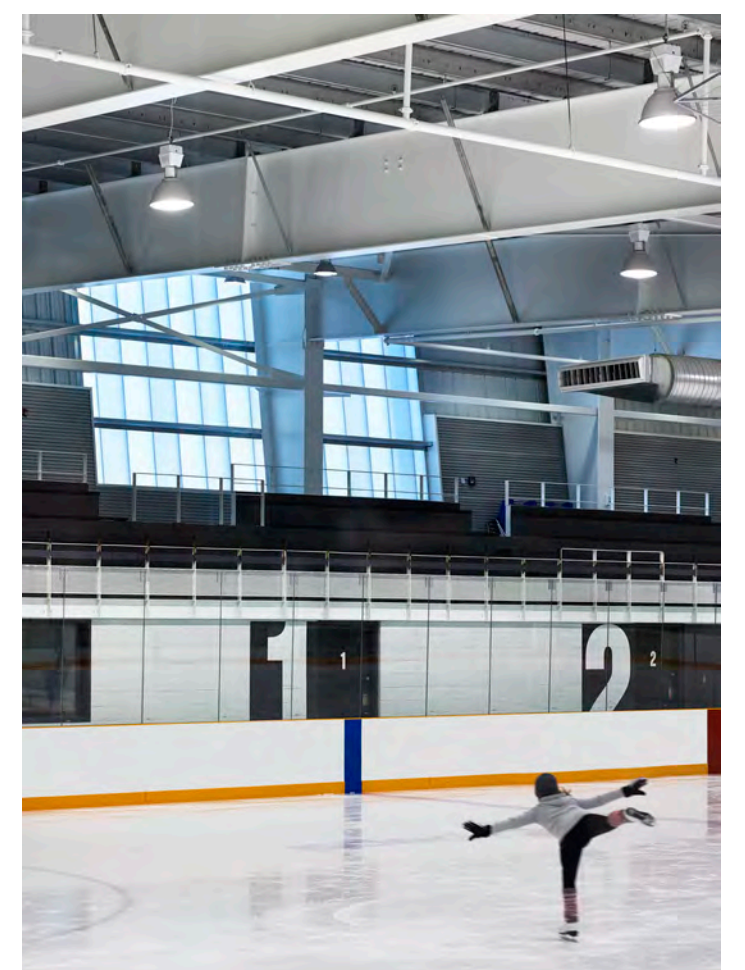
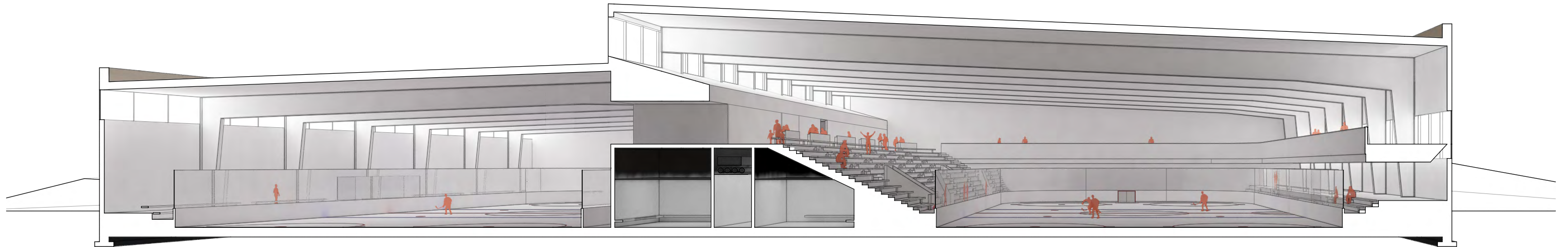
CHANGE ROOMS



HOW IT LOOKS



BUILDING MASSING / STRUCTURE



BUILDING MASSING



VIEW FROM MAIN, LOOKING WEST TOWARD ENTRY

BUILDING MASSING



VIEW FROM FIELDS, LOOKING WEST

BUILDING MASSING



VIEW FROM CORNER OF MAIN/DODGE

BUILDING MASSING



VIEW OF ENTRY



SUSTAINABILITY - LEED SILVER

Y ? N

1			Credit	Integrative Process	1
---	--	--	--------	---------------------	---

8 0 8 Location and Transportation 16

			Credit	LEED for Neighborhood Development Location	16
1			Credit	Sensitive Land Protection	1
		2	Credit	High Priority Site	2
5			Credit	Surrounding Density and Diverse Uses	5
		5	Credit	Access to Quality Transit	5
1			Credit	Bicycle Facilities	1
		1	Credit	Reduced Parking Footprint	1
1			Credit	Green Vehicles	1

6 1 3 Sustainable Sites 10

Y			Prereq	Construction Activity Pollution Prevention	Required
1			Credit	Site Assessment	1
		2	Credit	Site Development - Protect or Restore Habitat	2
		1	Credit	Open Space	1
3			Credit	Rainwater Management	3
2			Credit	Heat Island Reduction	2
	1		Credit	Light Pollution Reduction	1

6 3 2 Water Efficiency 11

Y			Prereq	Outdoor Water Use Reduction	Required
Y			Prereq	Indoor Water Use Reduction	Required
Y			Prereq	Building-Level Water Metering	Required
1	1		Credit	Outdoor Water Use Reduction	2
3	1	2	Credit	Indoor Water Use Reduction	6
1	1		Credit	Cooling Tower Water Use	2
1			Credit	Water Metering	1

17 5 11 Energy and Atmosphere 33

Y			Prereq	Fundamental Commissioning and Verification	Required
Y			Prereq	Minimum Energy Performance	Required
Y			Prereq	Building-Level Energy Metering	Required
Y			Prereq	Fundamental Refrigerant Management	Required
3		3	Credit	Enhanced Commissioning	6
8	4	6	Credit	Optimize Energy Performance	18
		1	Credit	Advanced Energy Metering	1
2			Credit	Demand Response	2
2		1	Credit	Renewable Energy Production	3
1			Credit	Enhanced Refrigerant Management	1
1	1		Credit	Green Power and Carbon Offsets	2

4 1 8 Materials and Resources 13

Y			Prereq	Storage and Collection of Recyclables	Required
Y			Prereq	Construction and Demolition Waste Management Planning	Required
		5	Credit	Building Life-Cycle Impact Reduction	5
1		1	Credit	Building Product Disclosure and Optimization - Enviro Product Declarations	2
1		1	Credit	Building Product Disclosure and Optimization - Sourcing of Raw Materials	2
1		1	Credit	Building Product Disclosure and Optimization - Material Ingredients	2
1	1		Credit	Construction and Demolition Waste Management	2

7 2 7 Indoor Environmental Quality 16

Y			Prereq	Minimum Indoor Air Quality Performance	Required
Y			Prereq	Environmental Tobacco Smoke Control	Required
1		1	Credit	Enhanced Indoor Air Quality Strategies	2
3			Credit	Low-Emitting Materials	3
1			Credit	Construction Indoor Air Quality Management Plan	1
1	1		Credit	Indoor Air Quality Assessment	2
		1	Credit	Thermal Comfort	1
1		1	Credit	Interior Lighting	2
		3	Credit	Daylight	3
		1	Credit	Quality Views	1
	1		Credit	Acoustic Performance	1

1 1 4 Innovation 6

	1	4	Credit	Innovation	5
1			Credit	LEED Accredited Professional	1

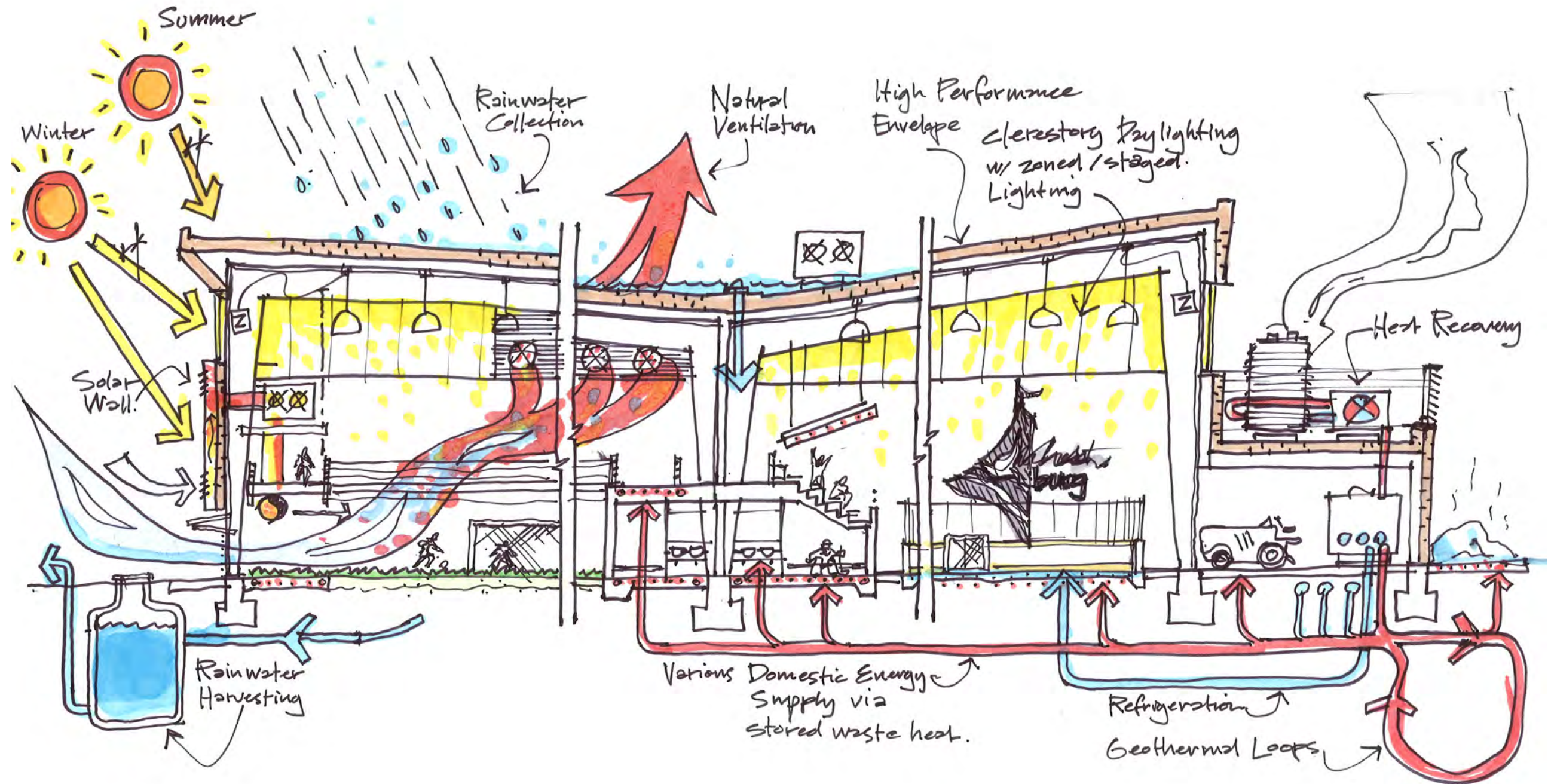
1 0 3 Regional Priority 4

		1	Credit	Regional Priority: Specific Credit	1
1			Credit	Regional Priority: Specific Credit	1
		1	Credit	Regional Priority: Specific Credit	1
		1	Credit	Regional Priority: Specific Credit	1

51 13 46 TOTALS Possible Points: 110

Certified: 40 to 49 points, Silver: 50 to 59 points, Gold: 60 to 79 points, Platinum: 80 to 110

SUSTAINABILITY - LEED SILVER



SUSTAINABILITY - ENERGY



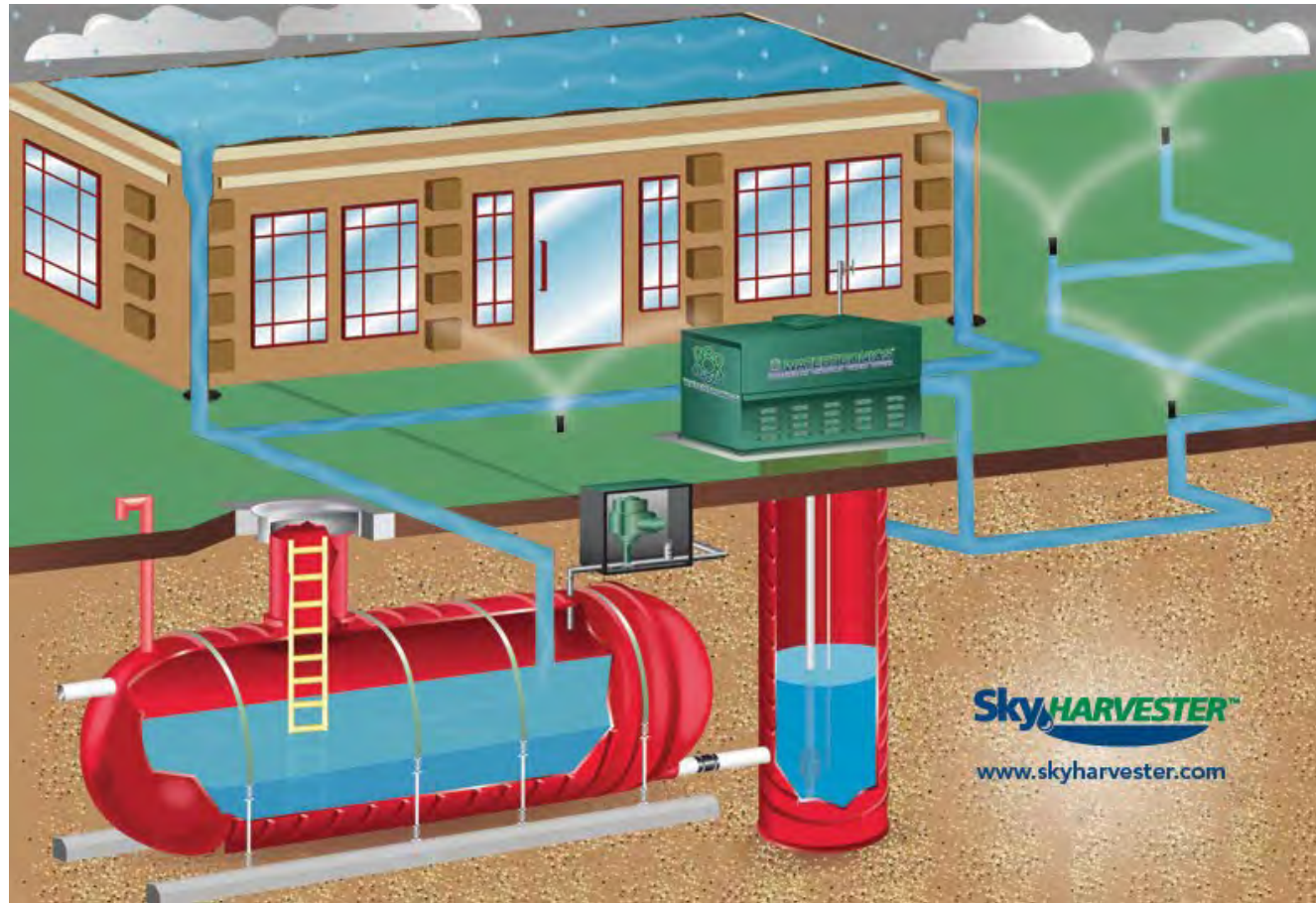
SOLAR POWER



NATURAL LIGHT

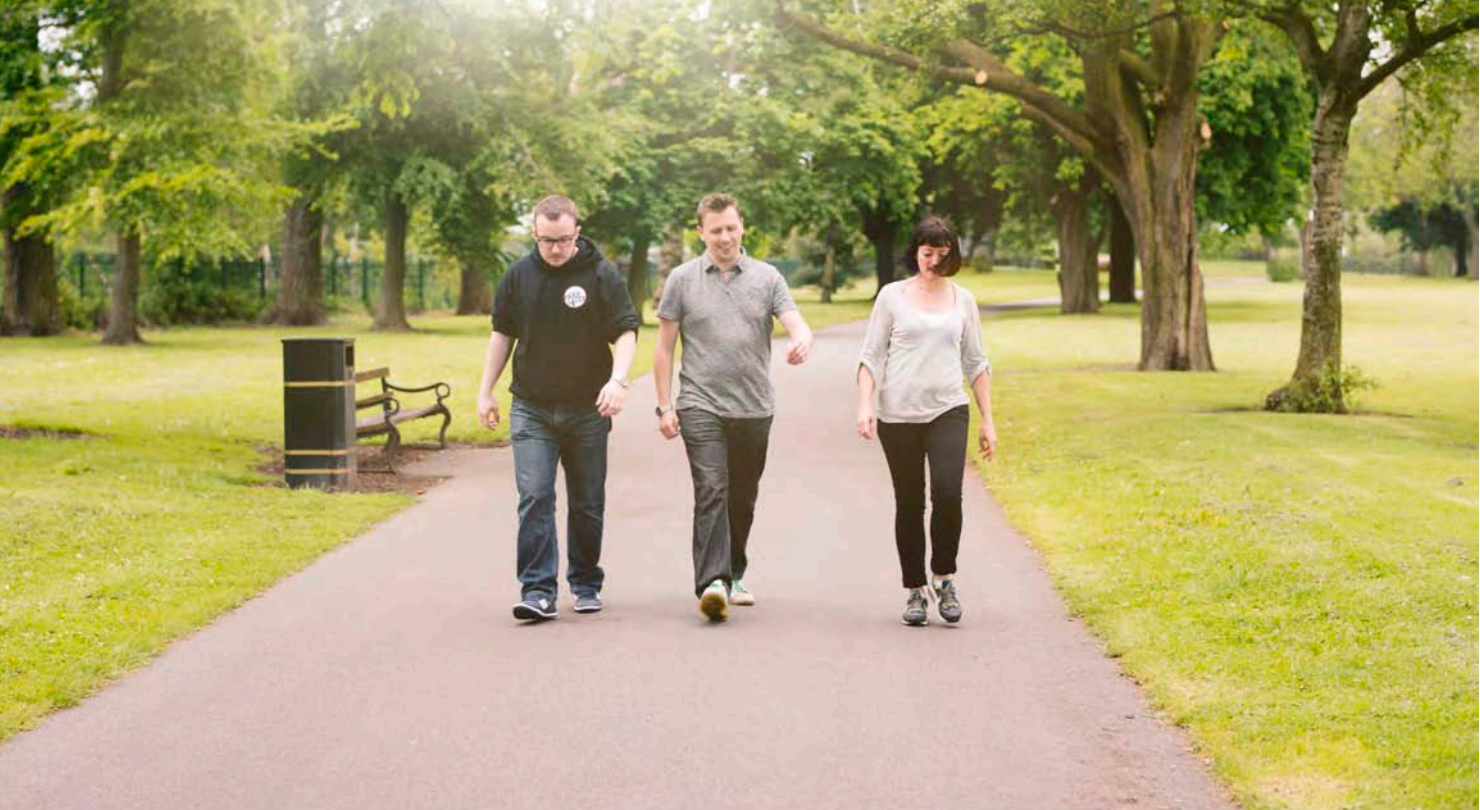
- ALL SPACES TO HAVE NATURAL LIGHT
- EXPLORING USE OF SOLAR PANELS
- USE OF RENEWABLE ENERGY SOURCES
- LOW CONSUMPTION LED LIGHT FIXTURES
- HIGH PERFORMANCE BUILDING ENVELOPE

SUSTAINABILITY - WATER

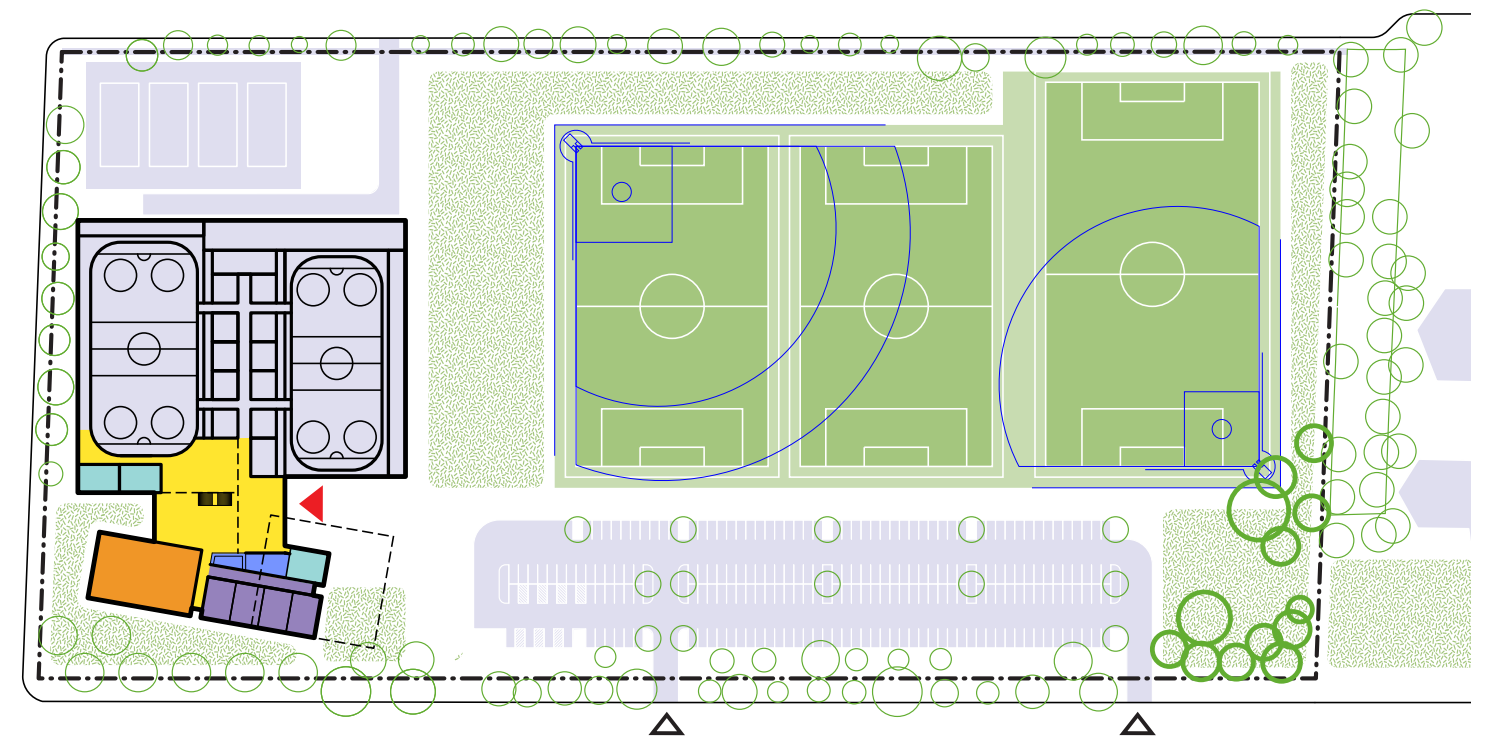
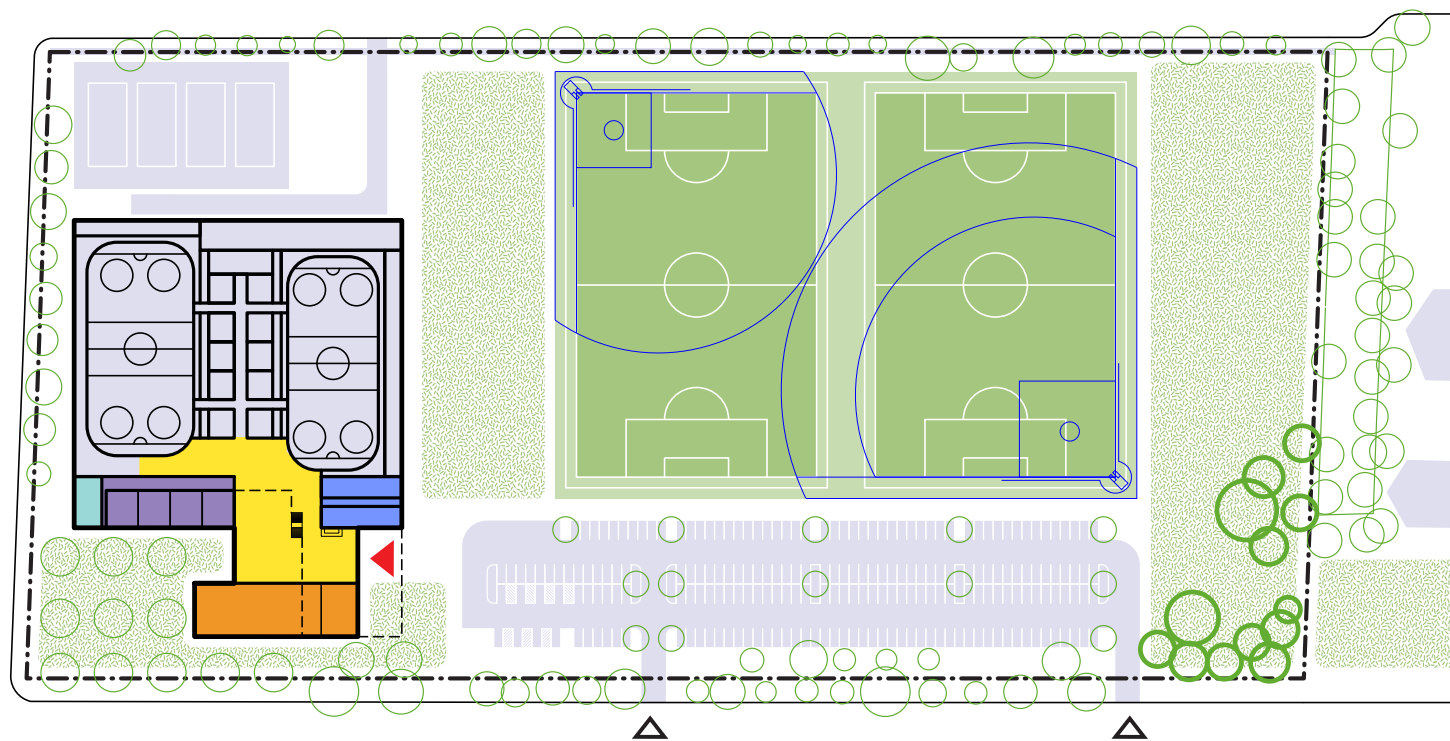
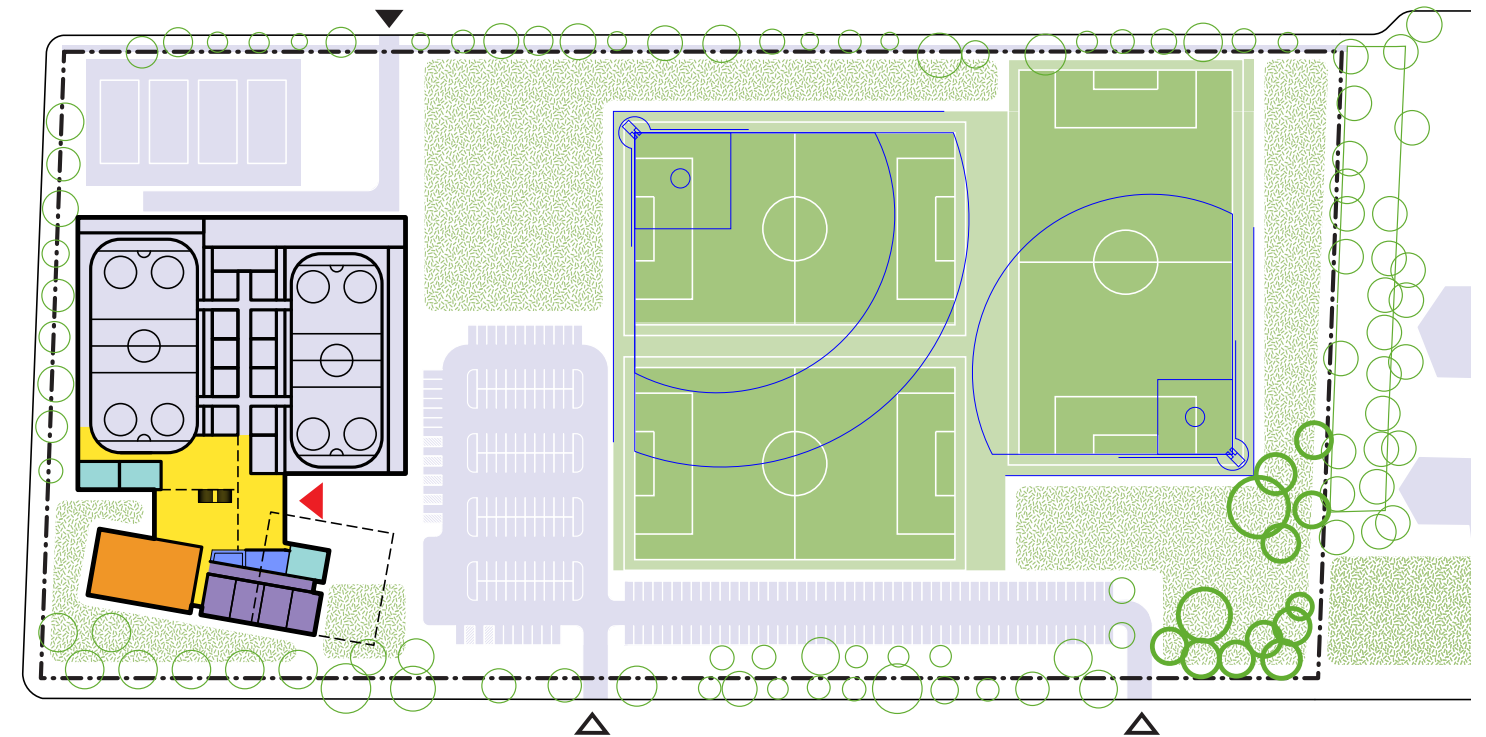
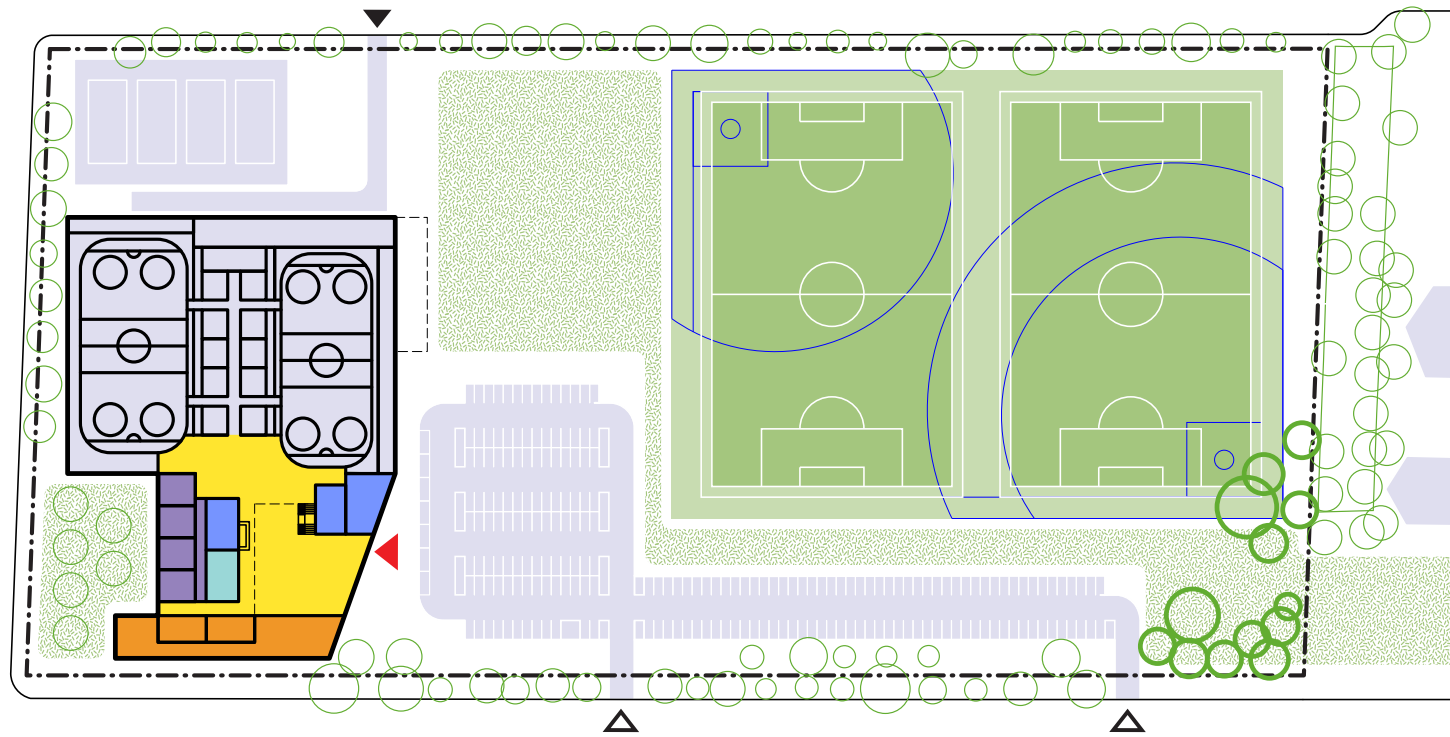


- EXPLORING RAINWATER HARVESTING
- BIO-RETENTION / STORMWATER FILTRATION
- PERMEABLE SURFACES
- EFFICIENT PLUMBING FIXTURES

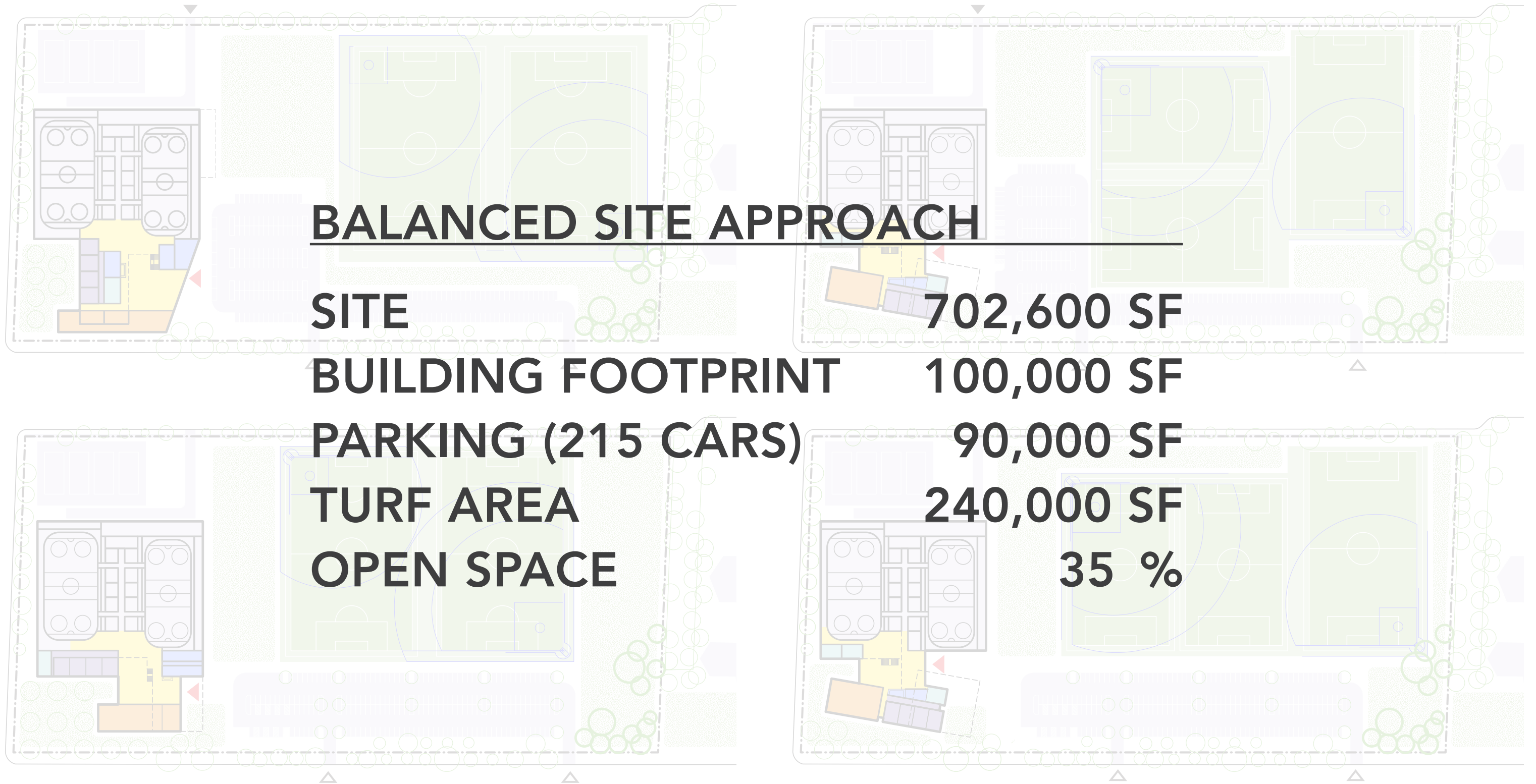
SUSTAINABILITY - ACCESS



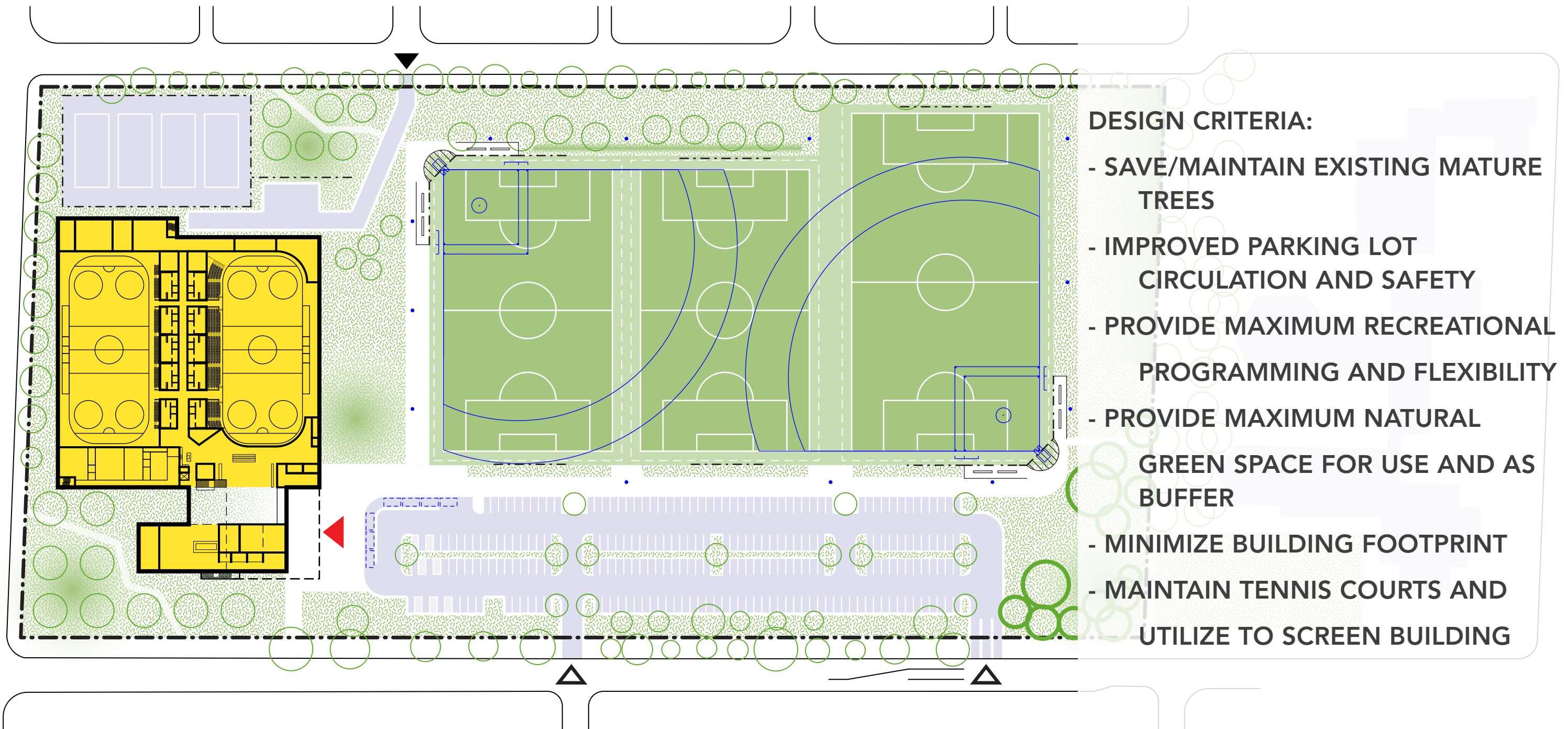
PREVIOUS SITE PLANS



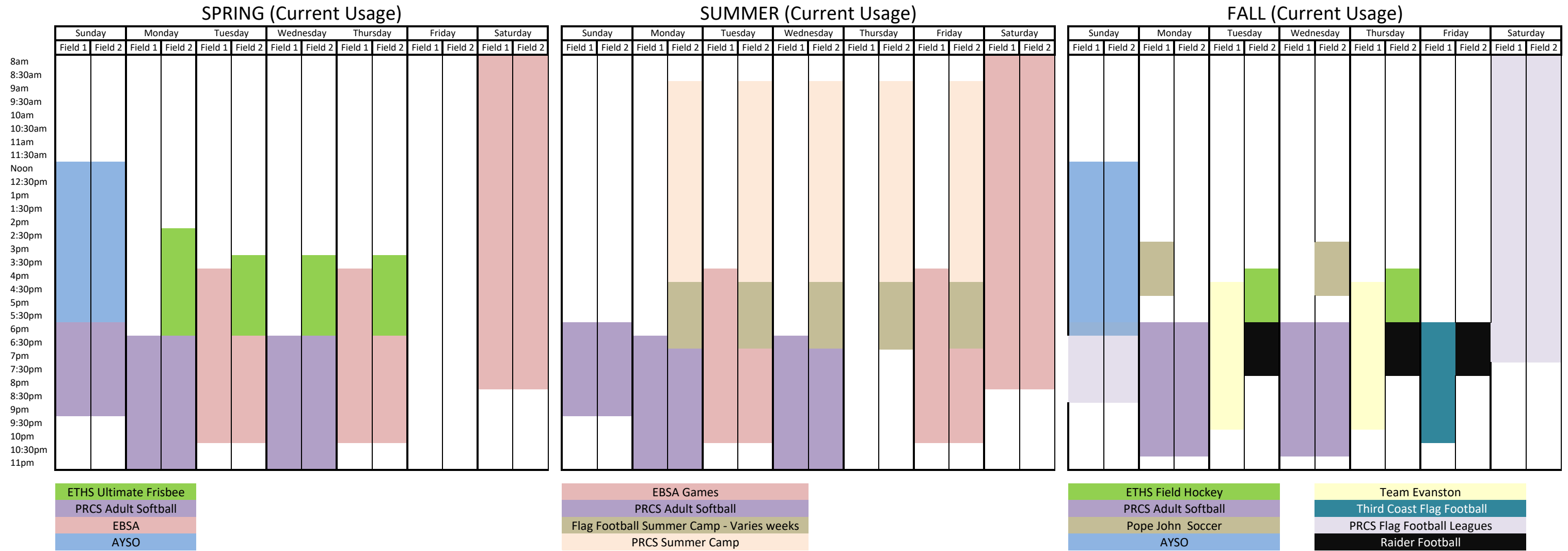
PREVIOUS SITE PLANS



PROPOSED SITE PLAN



OUTDOOR PROGRAMMING ANALYSIS



TRAFFIC AND PARKING ANALYSIS

TRAFFIC AND PARKING ANALYSIS

TRAFFIC AND PARKING OBSERVATIONS WERE CONDUCTED OVER SEVERAL DAYS IN LATE MAY AT THE FOLLOWING TIMES:

1. WEEKDAY MORNING/EVENING RUSH
2. SATURDAY MIDDAY: INDOOR ICE USE, BIRTHDAY PARTY, OUTDOOR SOFTBALL
3. SUNDAY MIDDAY: INDOOR RECREATION/ICE, OUTDOOR AYSO SOCCER

THE FOLLOWING WAS TABULATED AND ANALYZED:

1. PARKING LOT UTILIZATION
2. NEIGHBORHOOD STREET PARKING UTILIZATION
3. TRAFFIC/INTERSECTION VOLUMES

KEY FINDINGS

1. ICE RINKS ARE NOT ANTICIPATED TO DRAMATICALLY INCREASE PEAK DEMAND - SEATING CAPACITY MATCHES CURRENT USE.
2. OUTDOOR FIELDS ARE NOT ANTICIPATED TO SIGNIFICANTLY INCREASE PEAK DEMAND - SIMILAR PARTICIPANT LOADS FROM CURRENT USE.
3. LARGEST TRAFFIC AND PARKING INCREASE DUE TO NEW PROGRAMMING: LIBRARY, RUNNING TRACK, INCREASED FITNESS/RECREATION
4. PEAK ACTIVITY TIMES EXPECTED TO BE:
SPRING/SUMMER WEEKDAY: 5-7PM (LIBRARY/PICKUP/FIELDS)
FALL WEEKEND: 11:30-1PM (HOCKEY/SOCCER)

KEY DECISIONS

1. MAINTAIN SIMILAR PARKING LOT LOCATION AND ACCESS POINTS AS CURRENTLY EXIST
2. BUILDING SERVICING TO OCCUR OFF LEE STREET. ALIGN SERVICE DRIVE WITH DARROW AVE TO AVOID EXISTING HOMES ON LEE

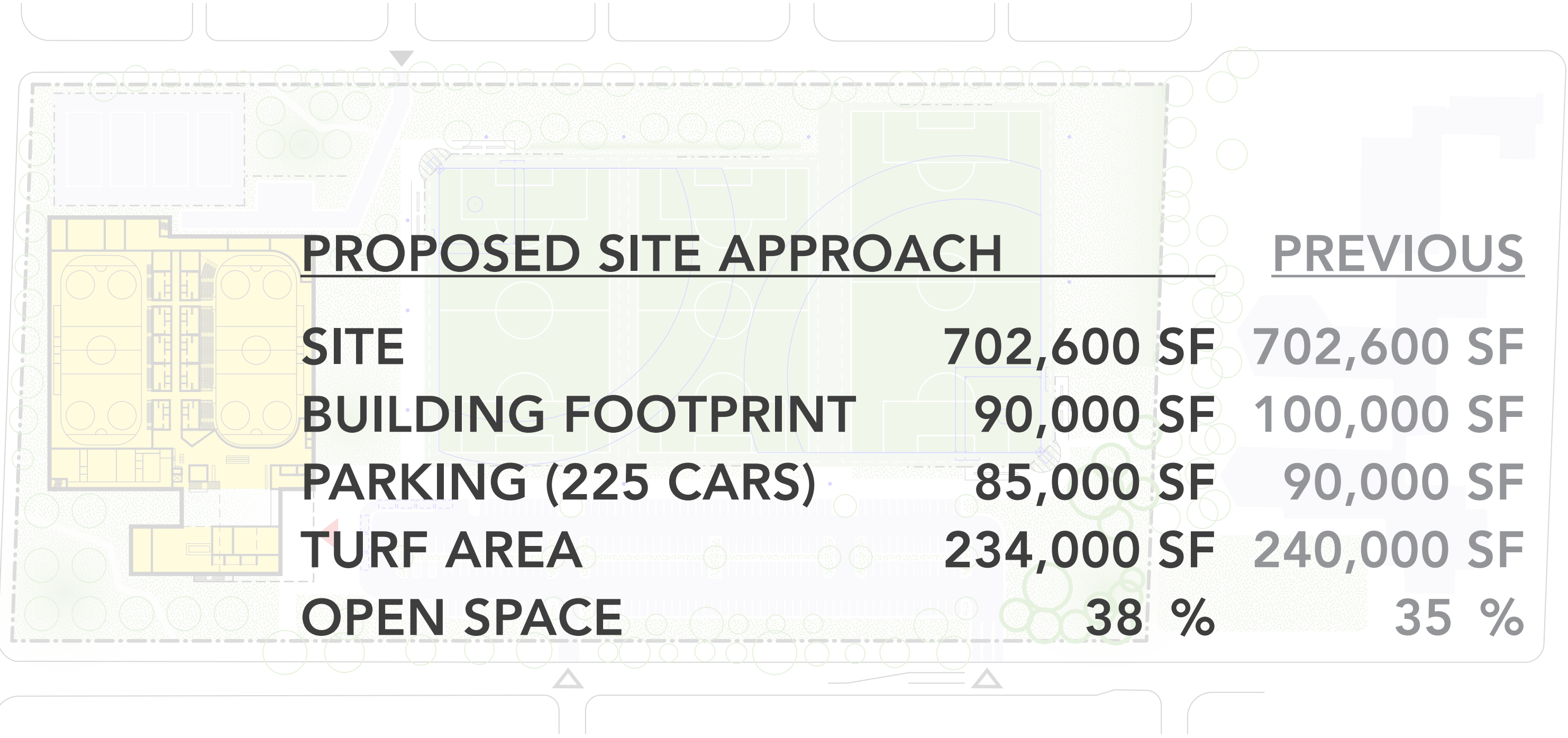
TRAFFIC AND PARKING ANALYSIS

Table 8

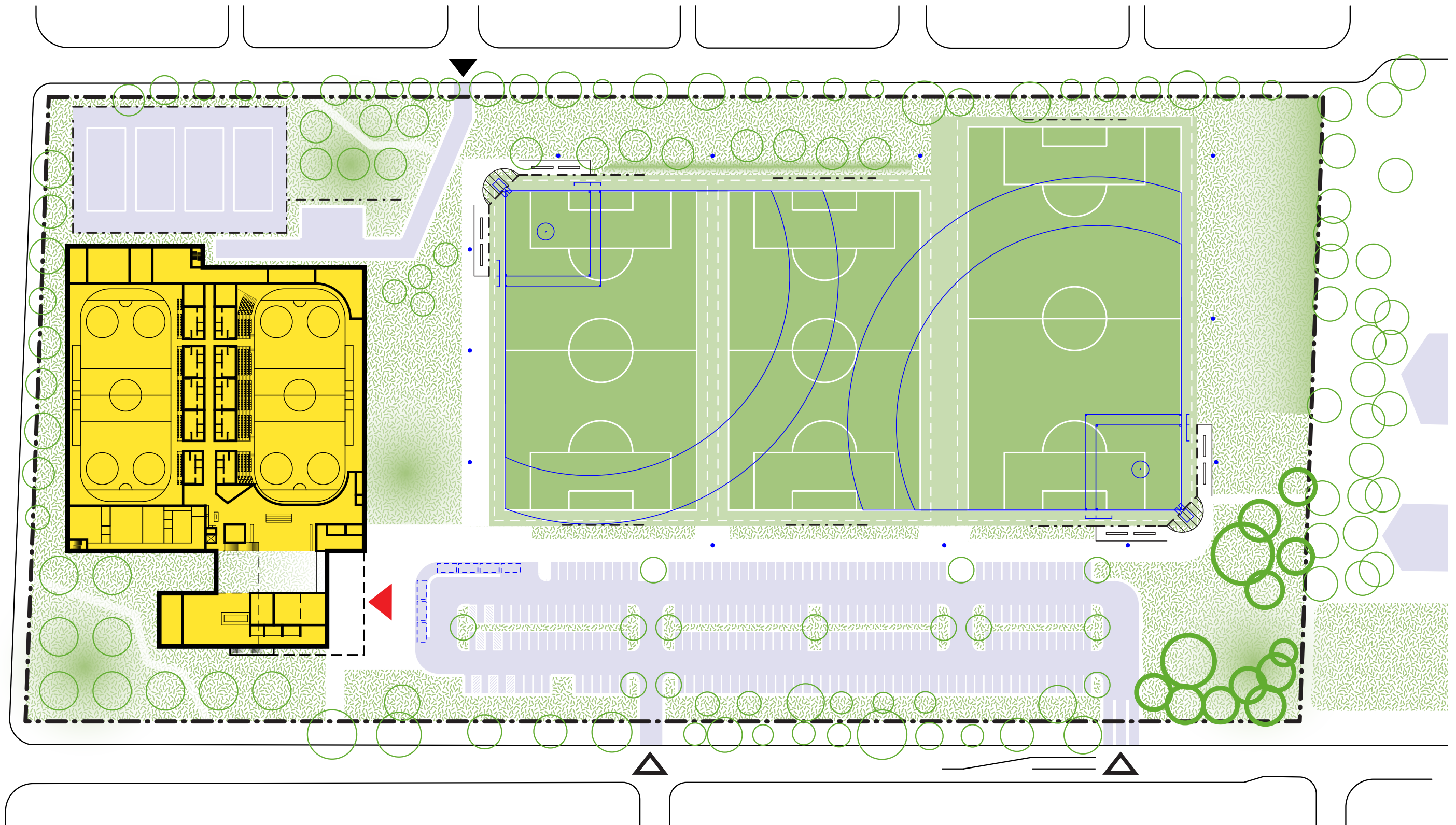
PROJECTED PEAK PARKING DEMAND - ANTICIPATED PARK PROGRAMMING AND STAFFING SCHEDULES **(3 SOCCER FIELDS)**

Activity	Participants/ Visitors	Coaches/ Volunteers	Program Staff/ Referees	Total	Parking Demand				
					Winter		Spring/Summer/Fall		
					Weekday	Saturday	Weekday	Saturday	Sunday
					5:00-6:00 PM	3:00-4:00 PM	5:00-6:00 PM	3:00-4:00 PM	2:00-3:00 PM
Fitness/Dance Room¹	25		1	26	18	18	18	18	18
Walking/Jogging Track¹	10			10	7	7	7	7	7
Art Room¹	15		1	16	11	11	11	11	11
Ice Rink (NHL & Olympic Rinks)									
Main Rink Games ^{1,2}	60	8	2	70	25	47	25	47	25
Olympic Rink Practices/Skating Classes ^{1,3}	15	2	2	19	8	8	8	8	8
Gymnasium (1 HS Court or 2 Jr HS Courts)									
Basketball Games ^{1,4}	96	8	8	112	0	77	0	0	0
Open Gym ^{1,3}	50		1	51	18	0	18	18	18
Multi-Program Rooms (Party)^{1,3,5}	50		1	51	0	0	0	18	18
Library^{1,6}	50		5	55	38	38	38	38	0
Preschool/After-School⁷	84		25	109	53	0	53	0	0
Admin/Maintenance staff			5	5	5	5	5	5	5
Outdoor Baseball/Soccer Games									
Baseball Games ^{1,3,8}	120	16	3	139	0	0	0	48	0
Soccer Games ^{1,3,9}	180	24	9	213	0	0	43	0	77
Peak Demand					182	212	225	218	186

CURRENT SITE PROPOSAL



SITE PLAN



SITE ACCESS

REVIEW AND RECOMMENDATIONS BY:

CITY OF EVANSTON
TRAFFIC CONSULTANT
CIVIL ENGINEER

ACCESS / ALIGNMENT REQUIREMENTS

1. WEST CURB CUT MUST ALIGN W/ DEWEY
2. WEST CURB CUT CANNOT BE FURTHER WEST THAN IT IS CURRENTLY (IMPACTS MAIN STREET TRAFFIC)
3. WEST CURB CUT NEEDS A STRAIGHT N/S DRIVE LANE FOR FIRE TRUCK ACCESS AND TO AVOID CAR CONGESTION

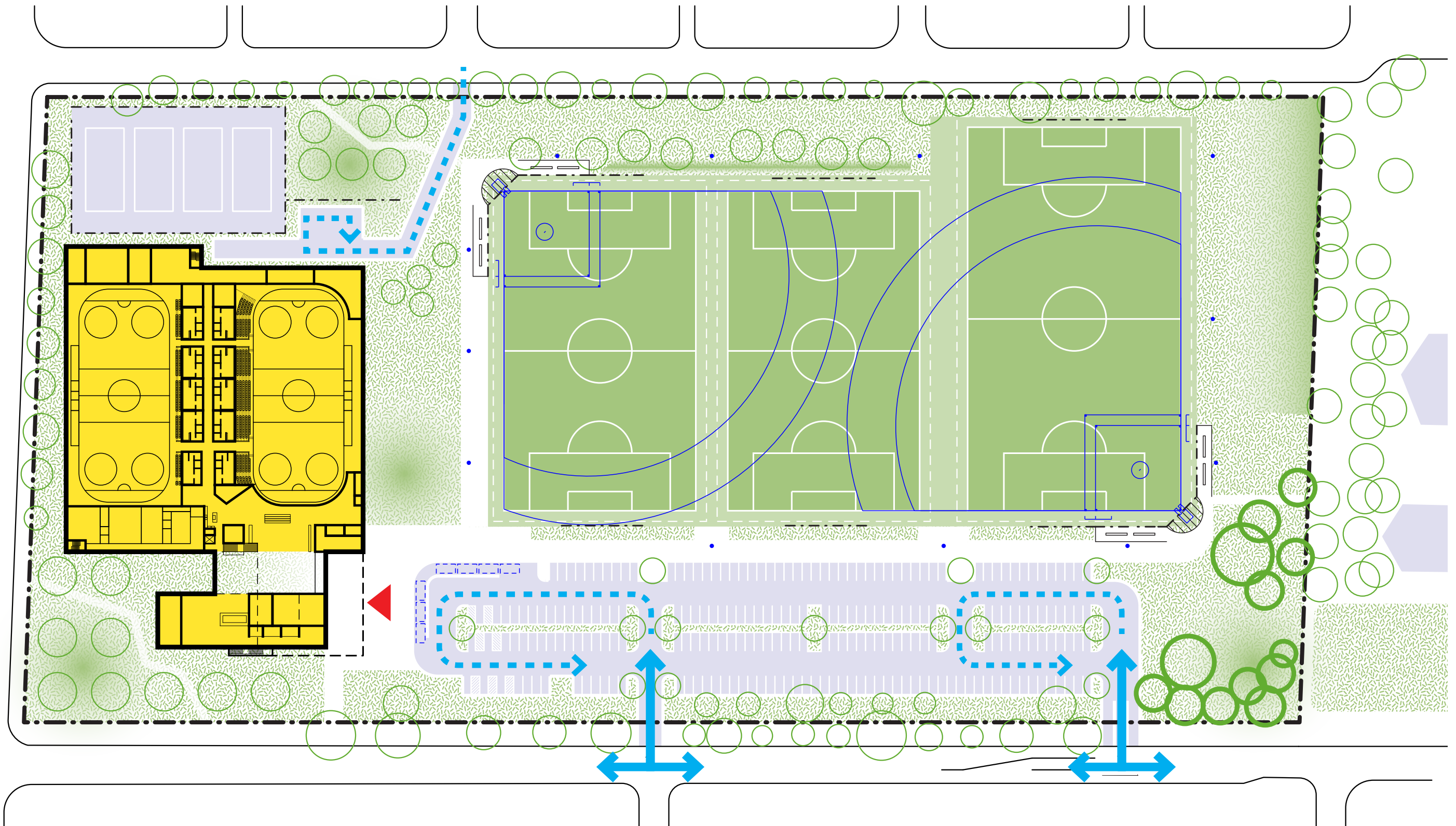
TRAFFIC IMPROVEMENT RECOMMENDATIONS

1. ADD LEFT HAND TURN LANE ON MAIN STREET FOR PRIMARY ENTRY
2. THREE LANES (RIGHT-OUT, LEFT-OUT, IN) AT PRIMARY ENTRANCE/EXIT

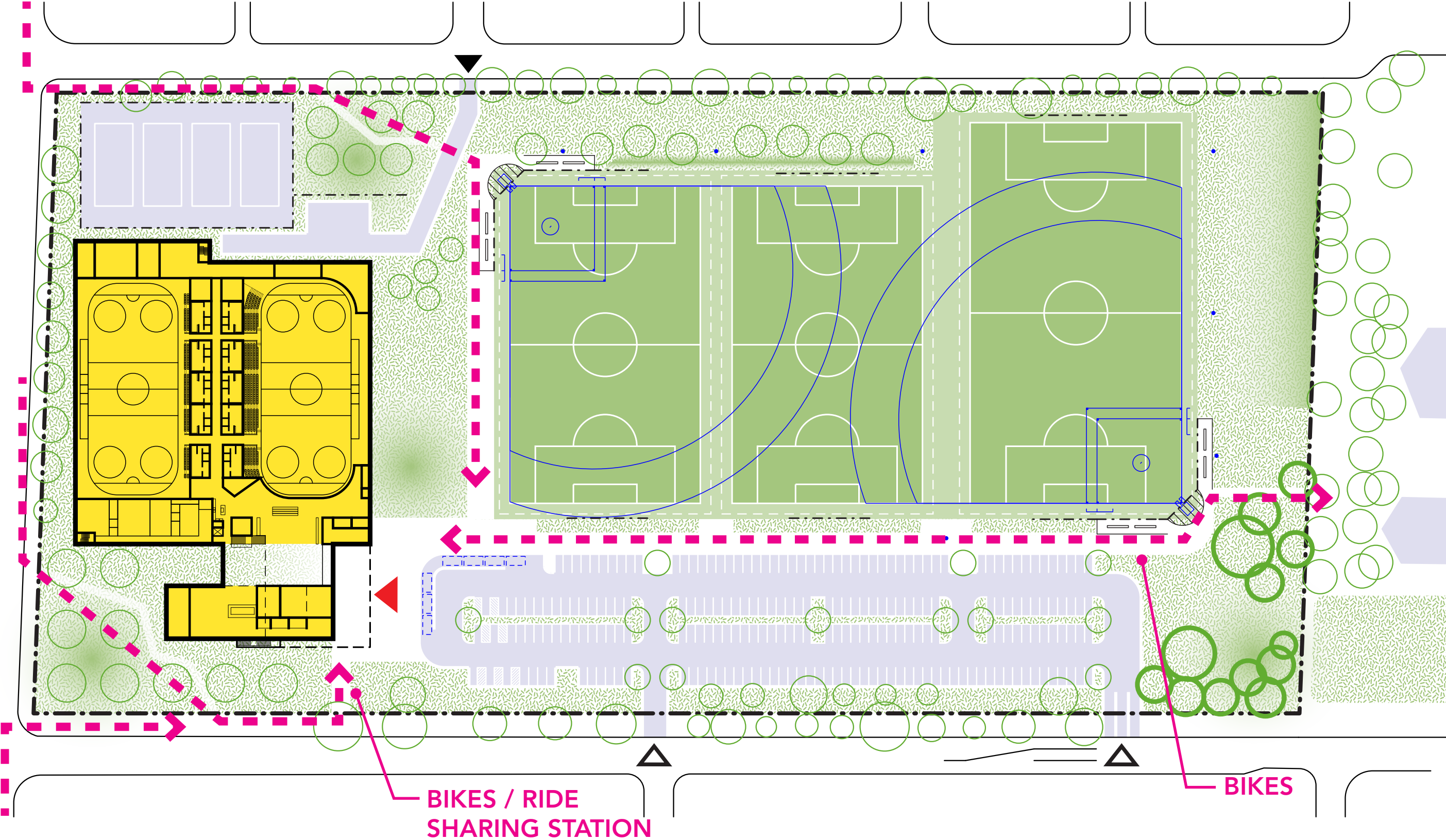
PARKING LOT RECOMMENDATIONS

1. DOUBLE ROW OF PARKING IS PREFERRED FOR INTERNAL LOT CIRCULATION.
2. EAST/WEST PARKING LOT OPTION IS PREFERRED FOR PEDESTRIAN SAFETY AND BUILDING:SITE ACCESS

SITE ACCESS



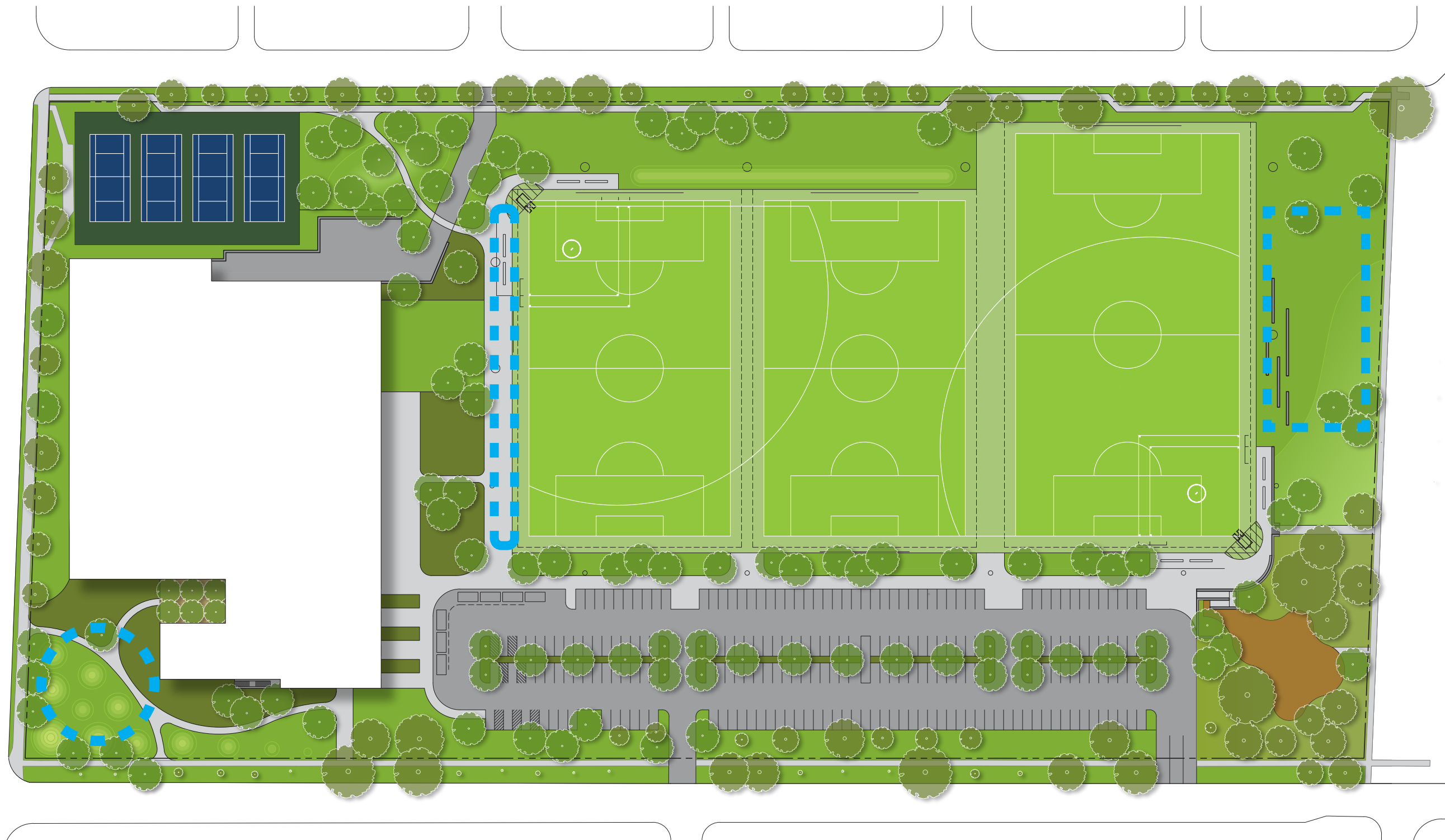
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LANDSCAPE PLAN



SITE TOPOGRAPHY



SITE TOPOGRAPHY



BIORETENTION / STORMWATER



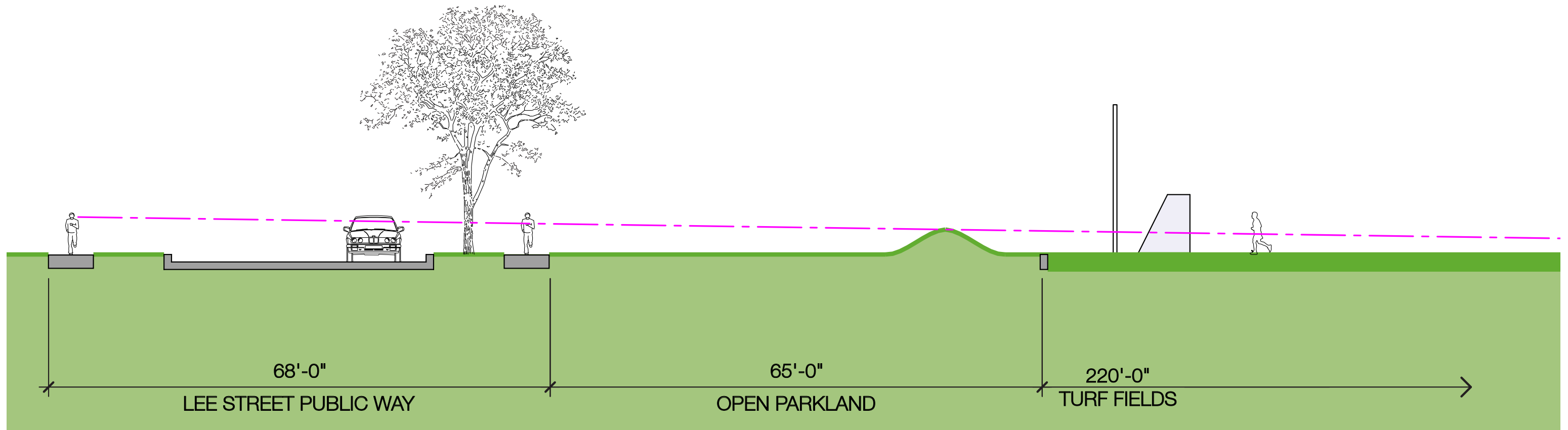
BIORETENTION / STORMWATER



LANDSCAPE SCREENING



LANDSCAPE SCREENING



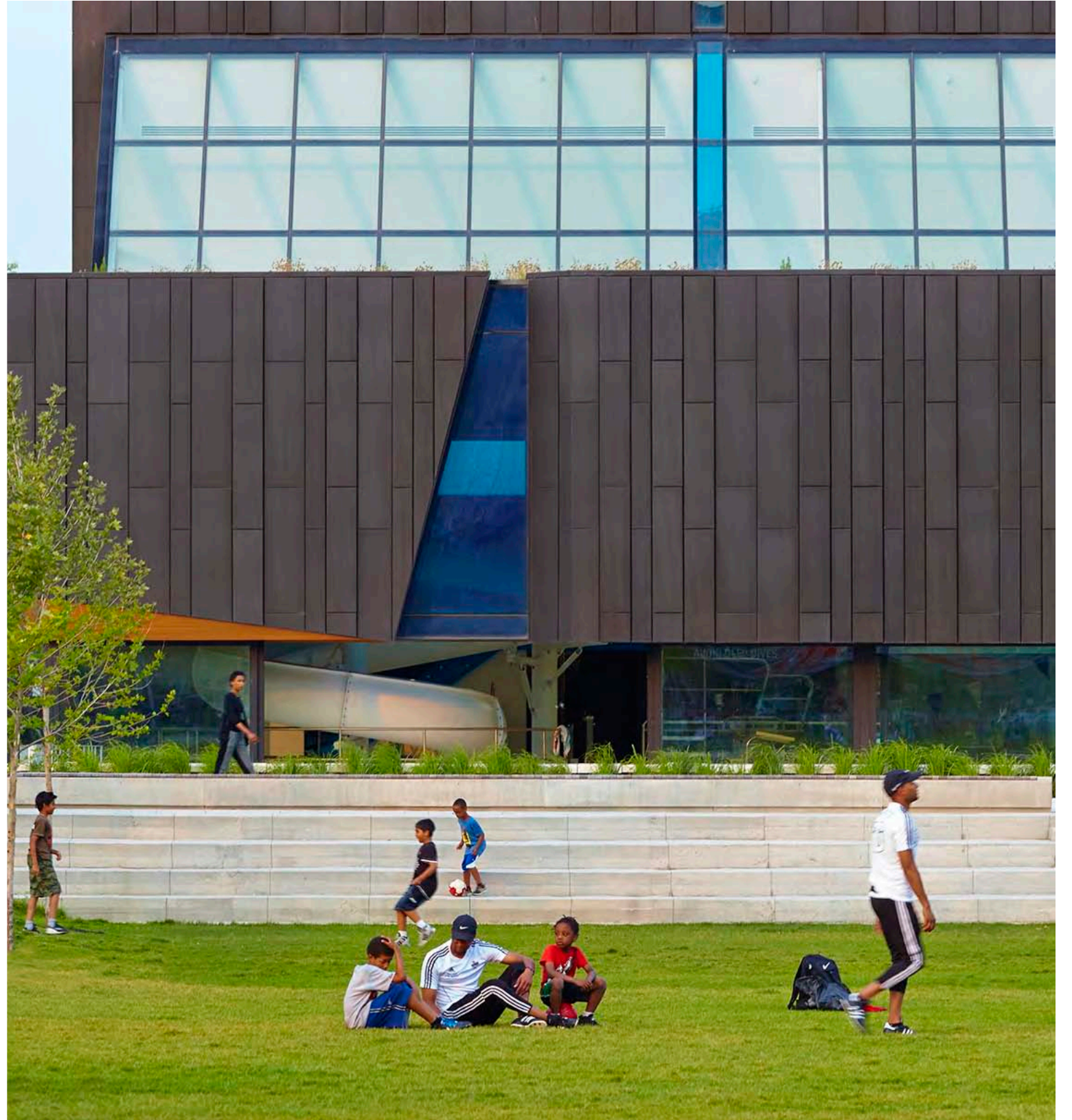
BIG SPACES / SMALL SPACES



BIG SPACES / SMALL SPACES



ROBERT CROWN COMMUNITY CENTER
ICE COMPLEX AND LIBRARY



PROVIDE SPACE IN A VARIETY OF SCALES

WTA+MJMA

08/03/2017

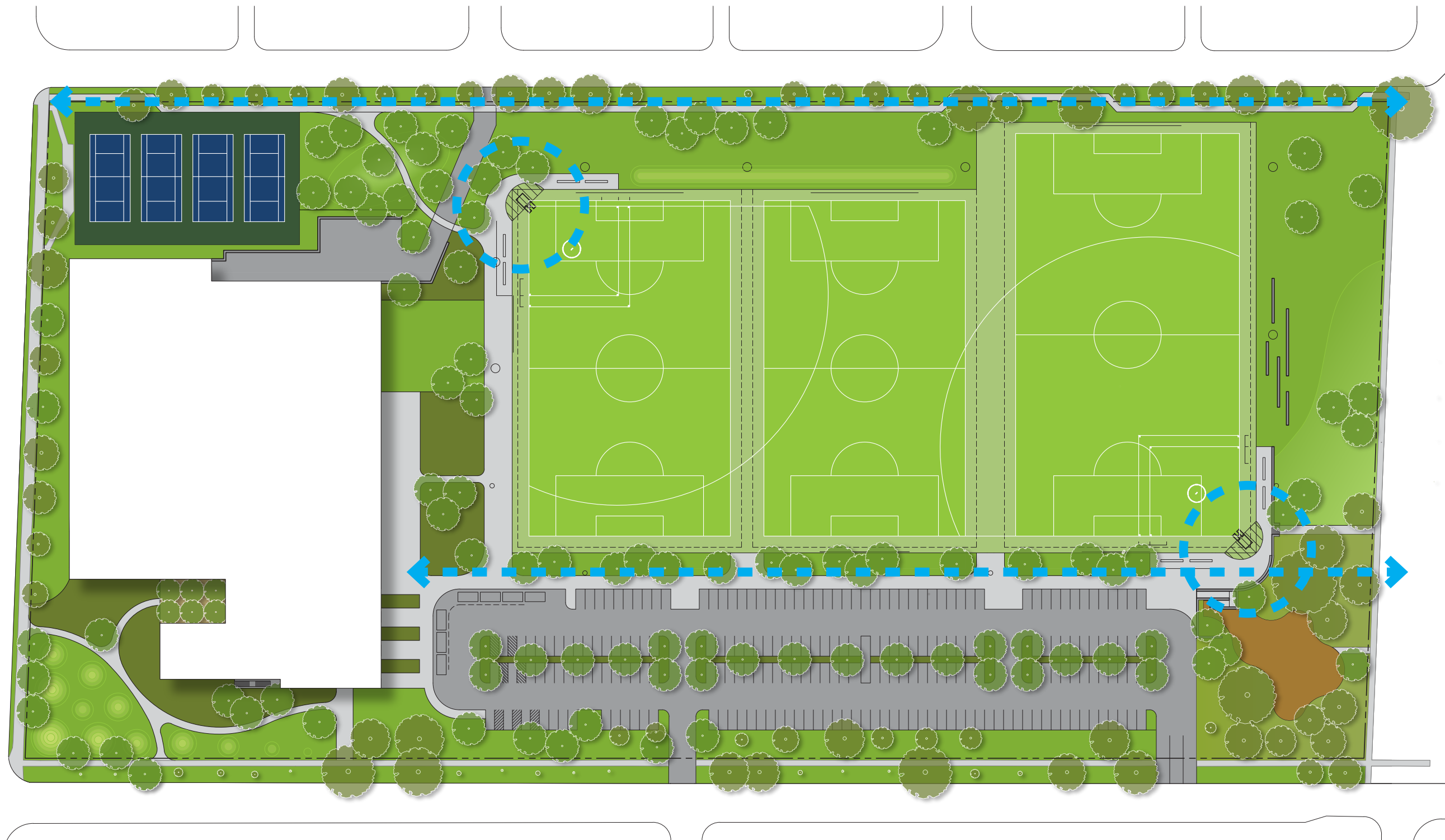
INFORMAL RECREATION SPACE



INFORMAL RECREATION SPACE



SITE ACCESS PATHS



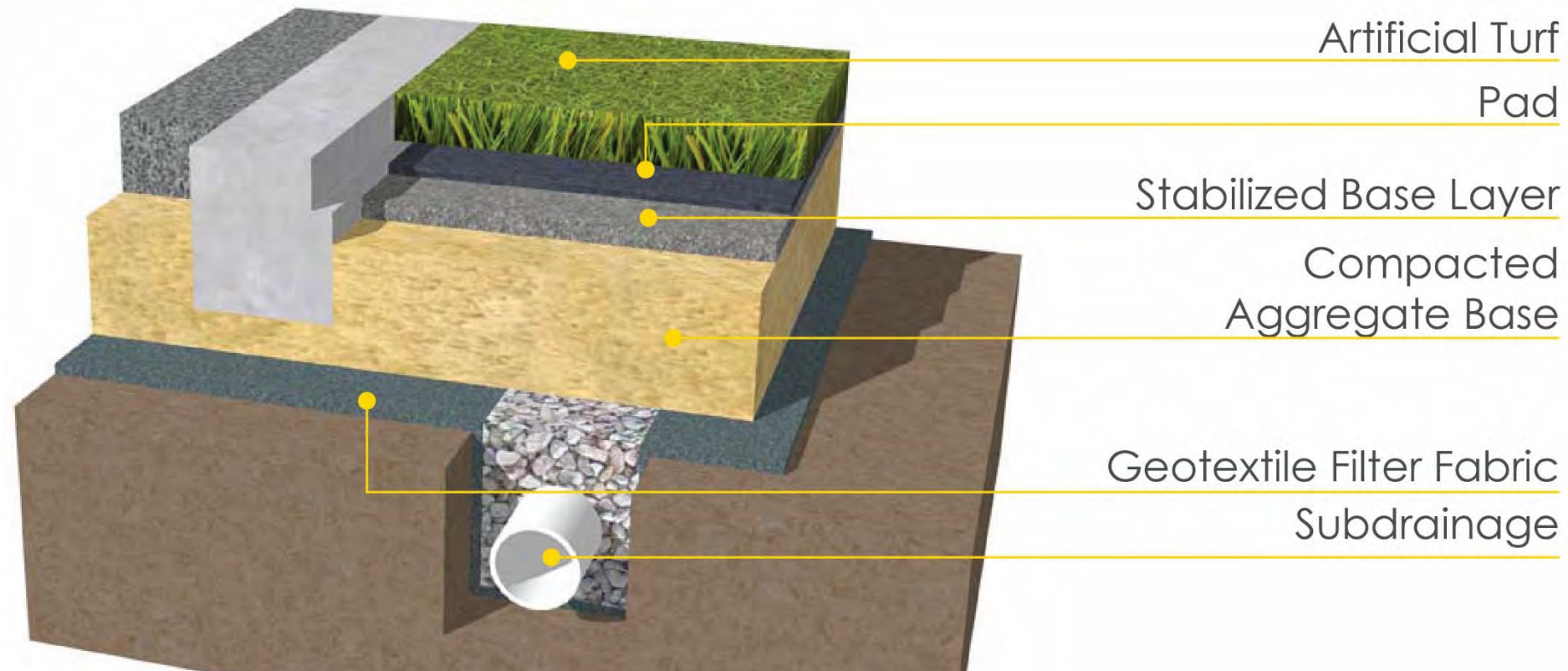
SITE PATHWAYS



SPORT FIELDS



SPORT FIELDS - TURF



SPORT FIELDS - NETTING/FENCES



SPORT FIELDS - NETTING/FENCES



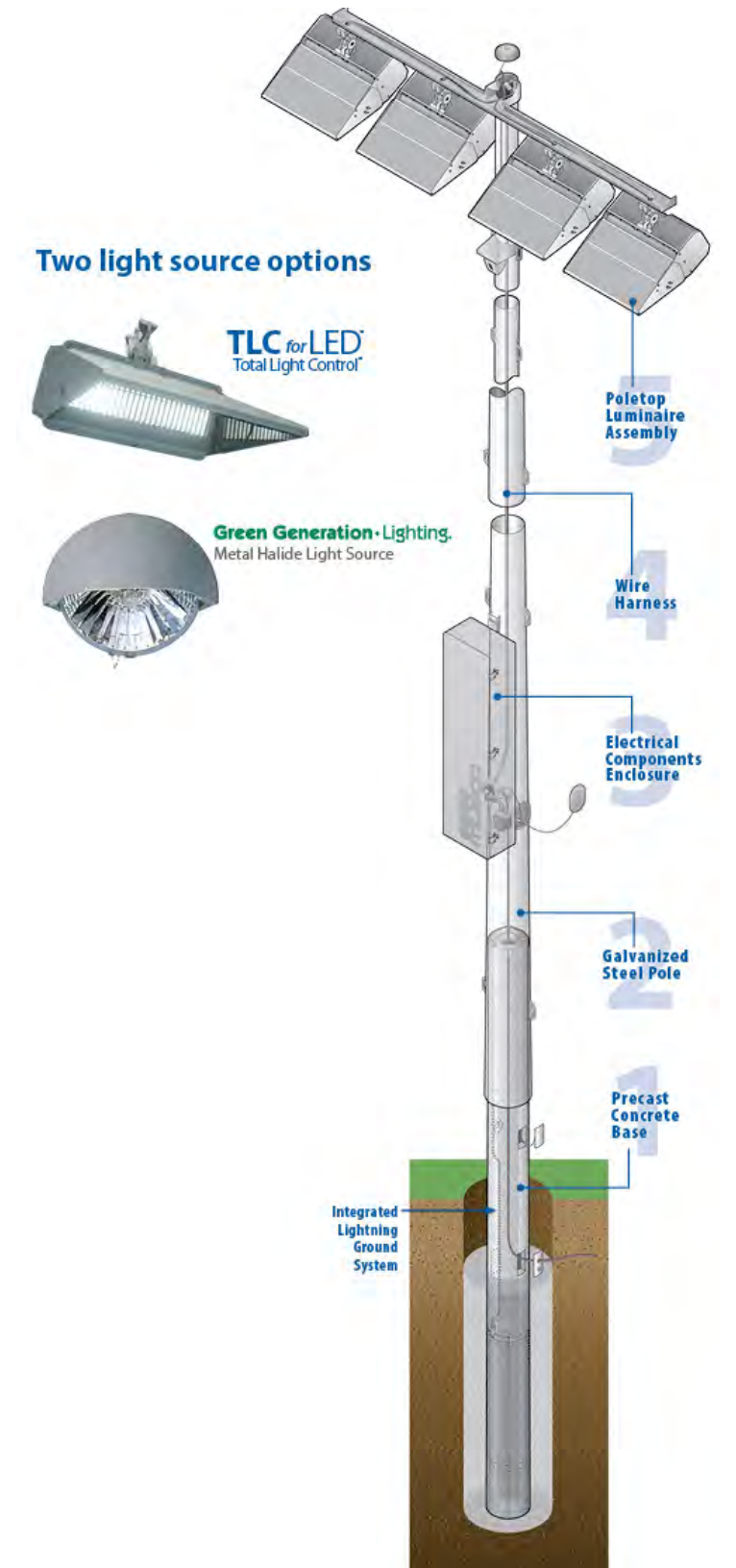
SPORT FIELDS - LIGHTING



SPORT FIELDS - LIGHTING



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ICE COMPLEX AND LIBRARY



SPORT FIELDS



THANK YOU

