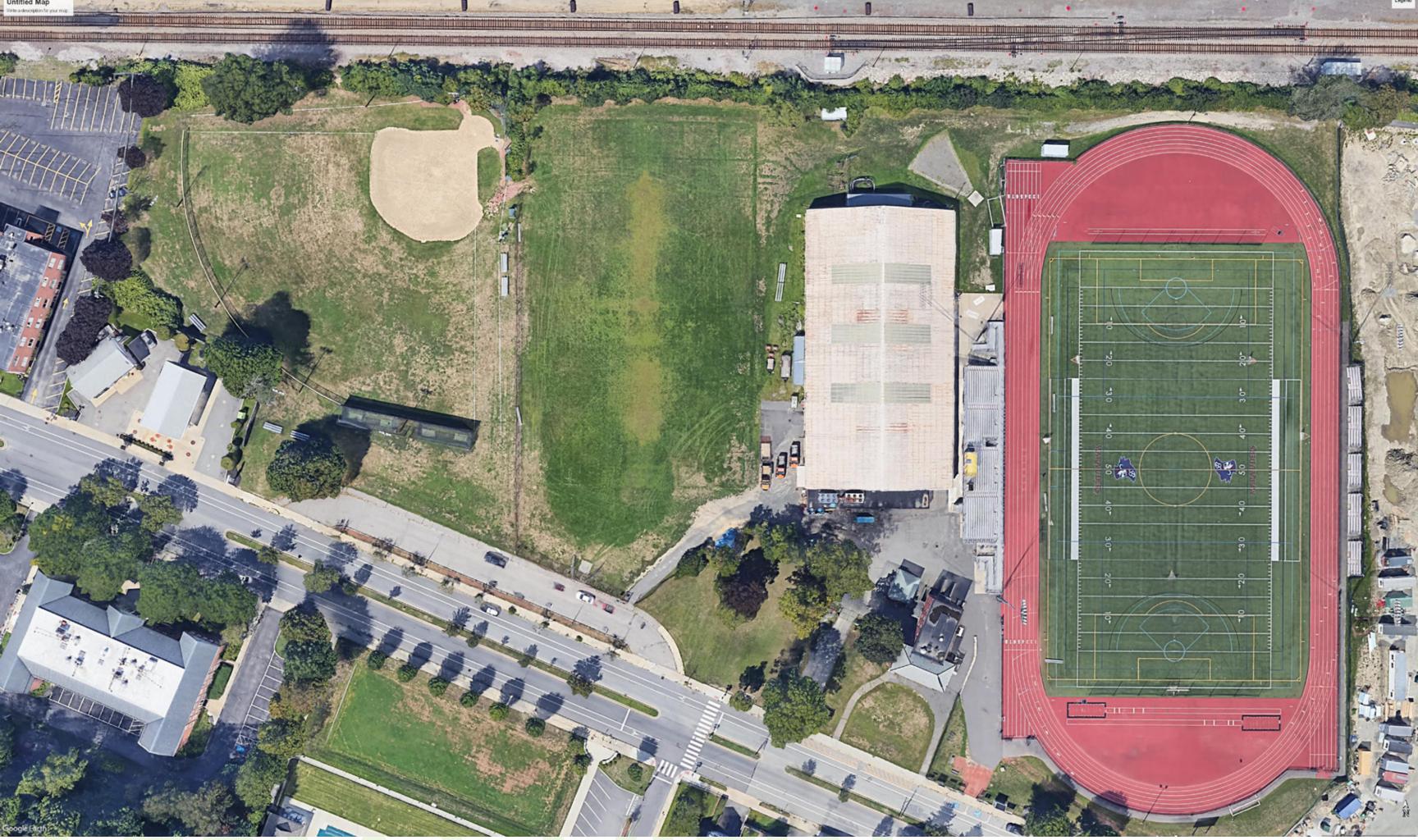
Belmont Skating Rink

Feasibility Study

July 20th, 2022

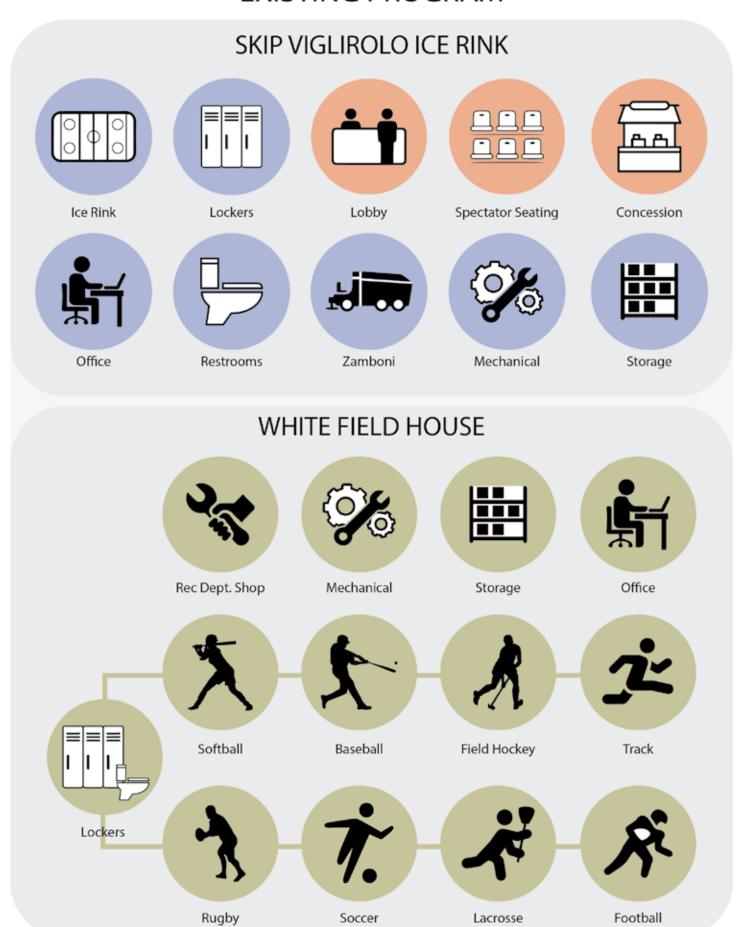




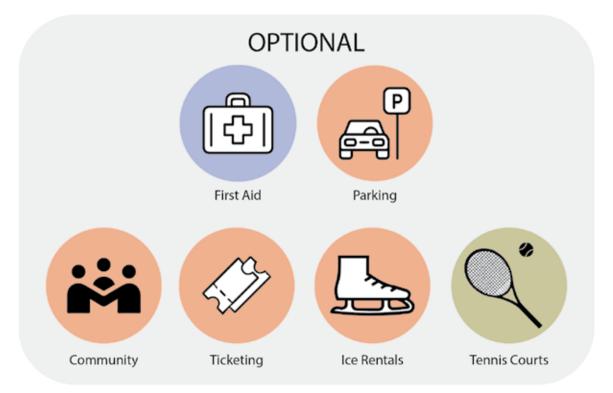


Program Overview

EXISTING PROGRAM

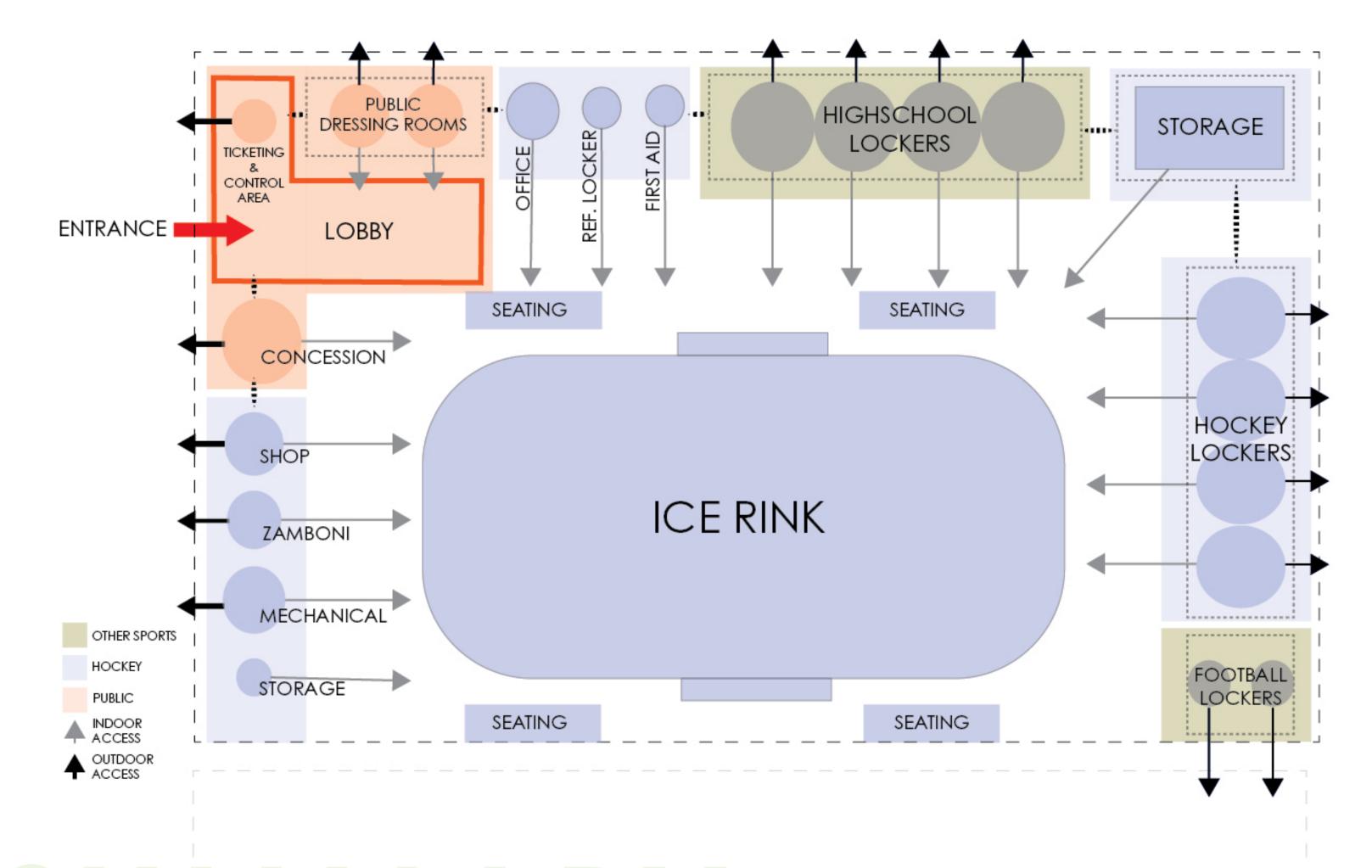


NEW PROGRAM



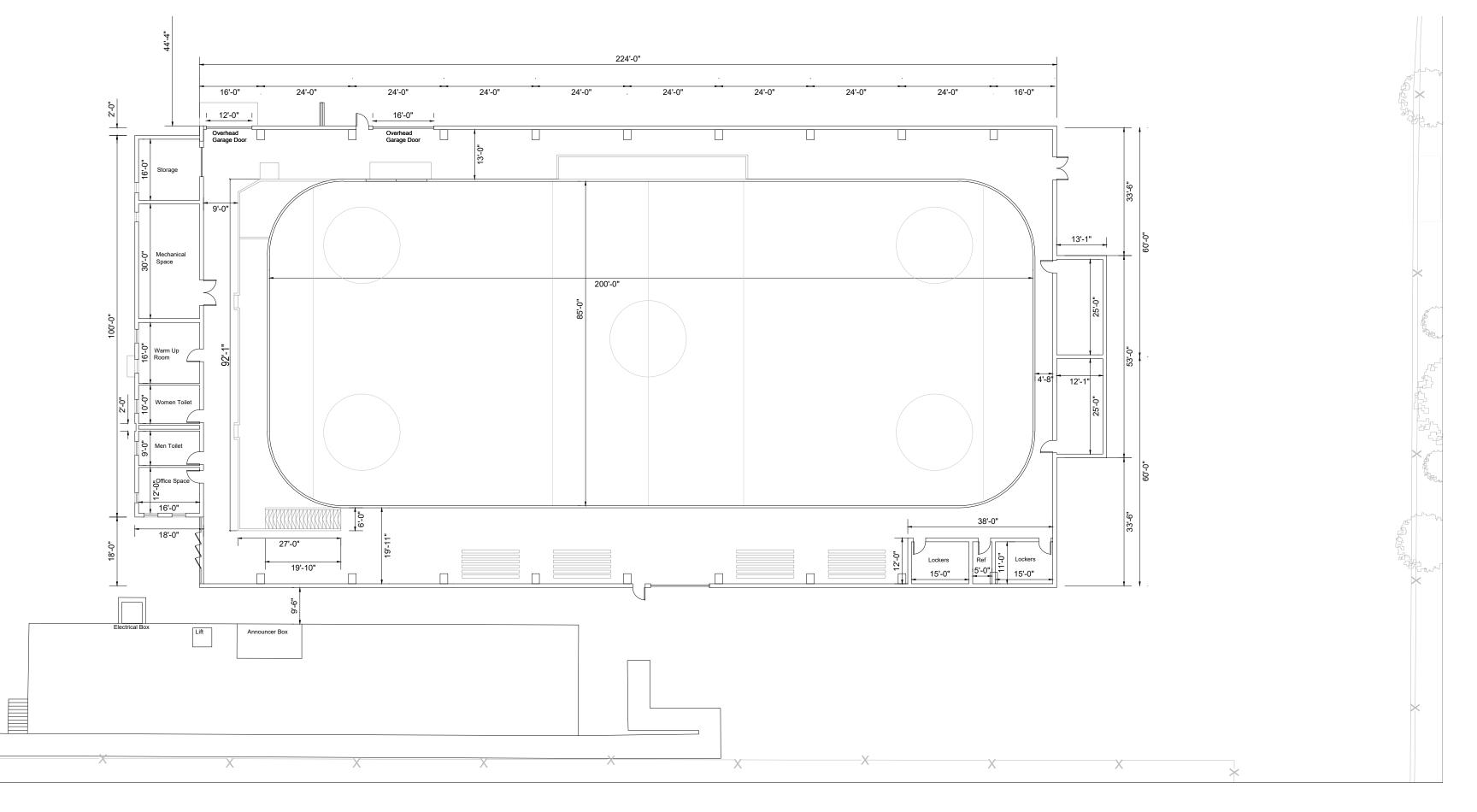






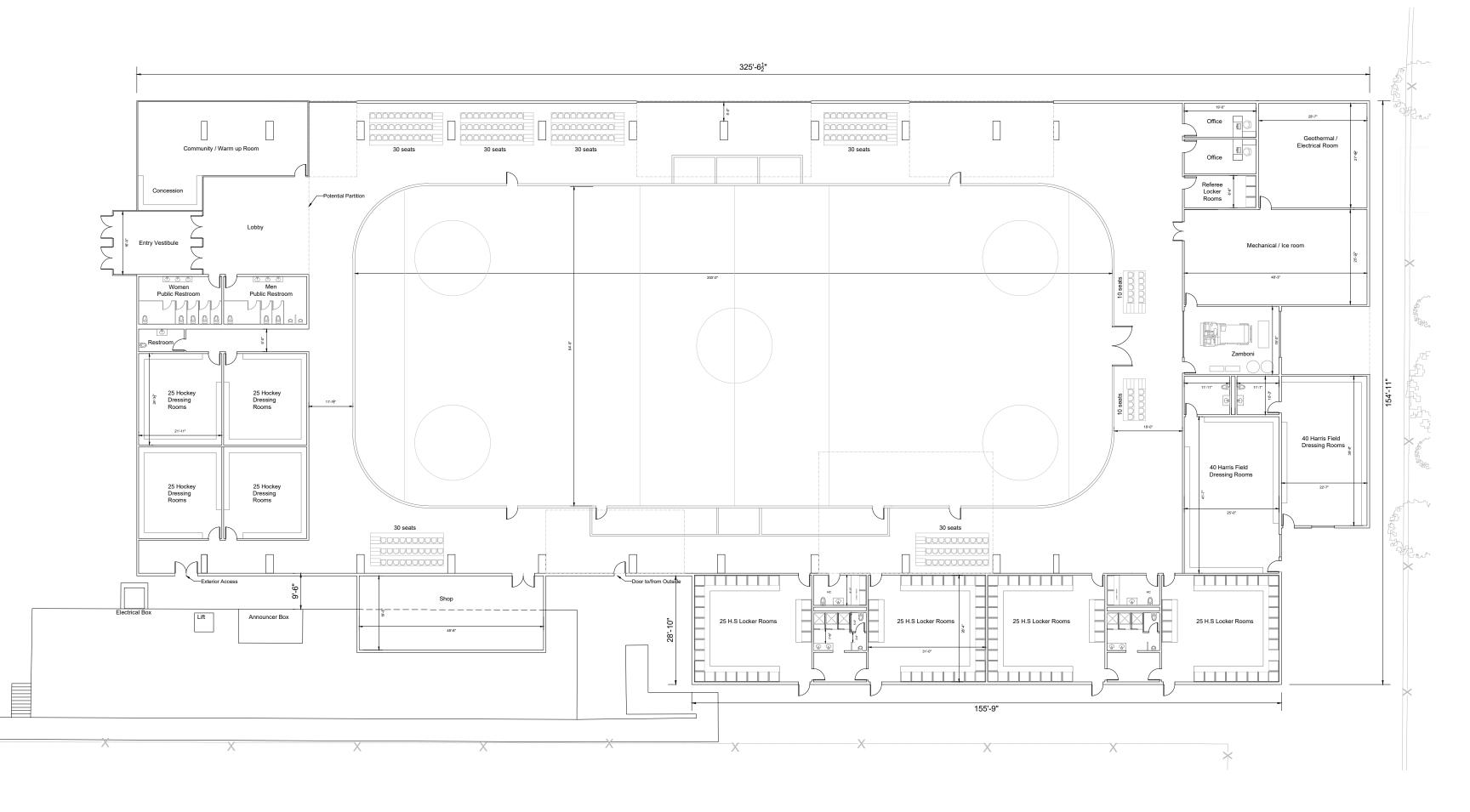


Renovate and Expand



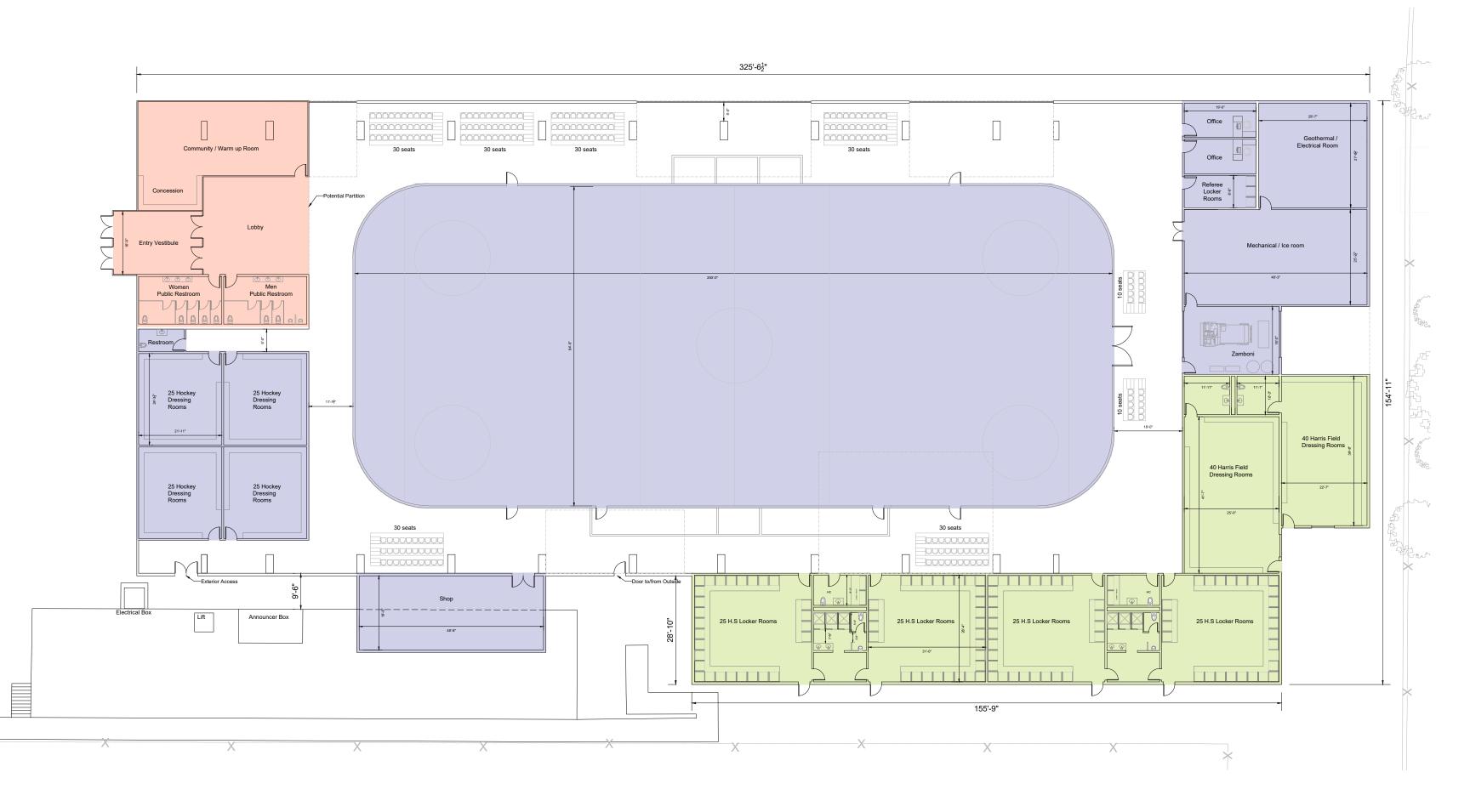














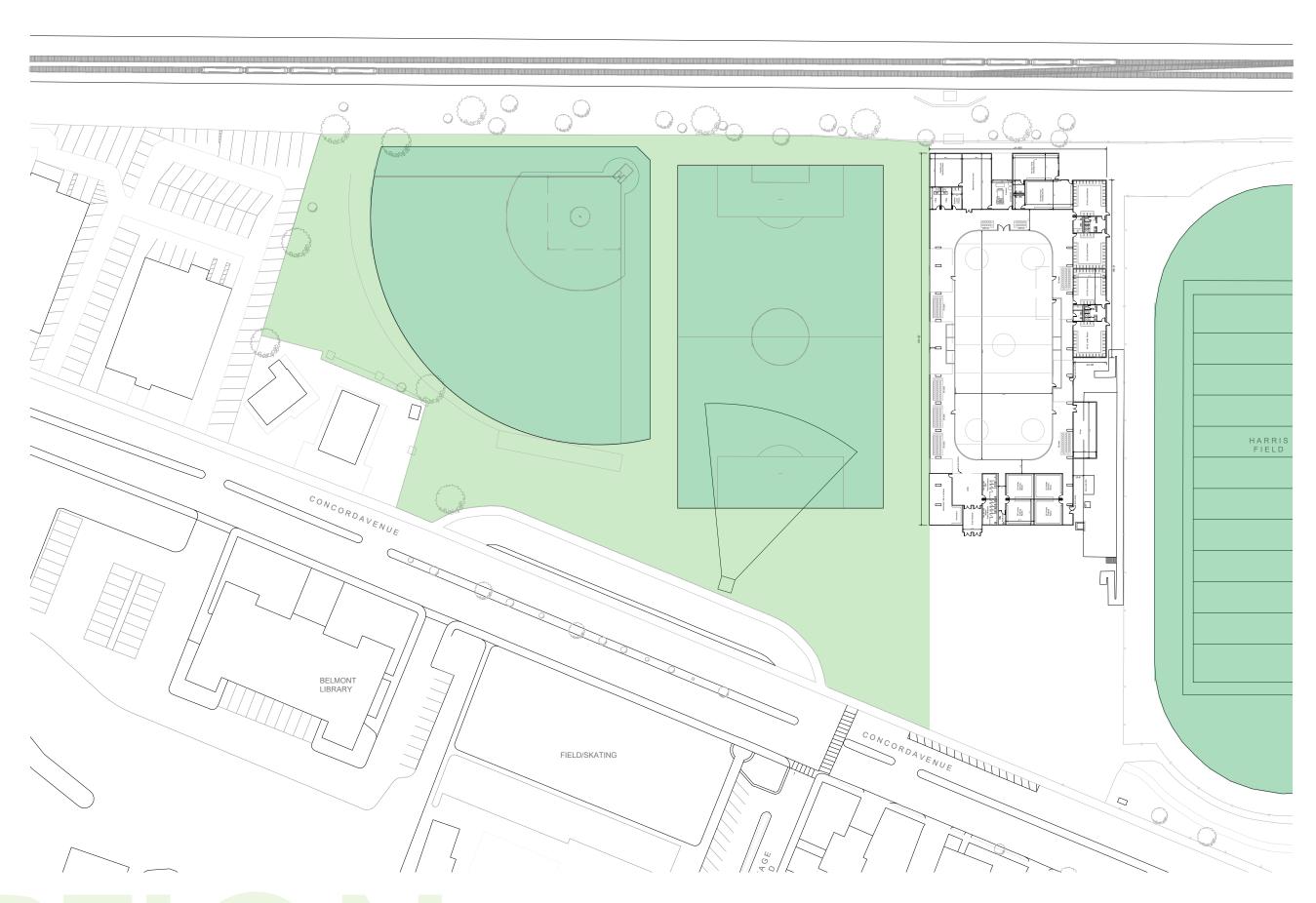


Site and Field Layout









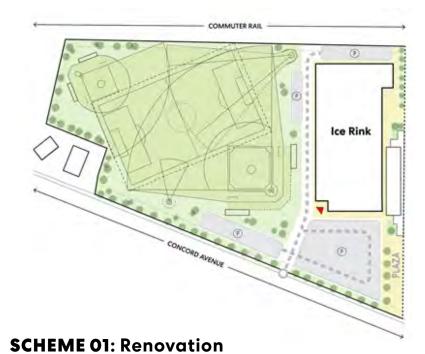




Perkins&Will

SITE DESIGN STUDIES

Overview



The first concept required expanding the existing rink to the west and north while splitting parking lots located to the south and to the north connected by a service drive. The softball and baseball fields are positioned to the edge of the remaining site with the soccer field overlapping the two outfields.

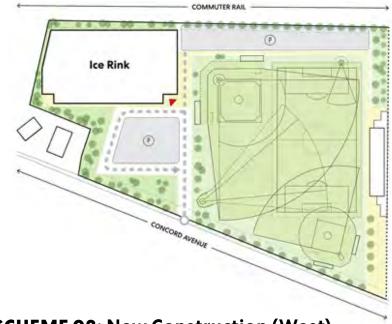




SCHEME 02: New Construction (East)
PREFERRED SCHEME

The second concept located a new rink to the north-east corner of the site allowing for a single parking lot while maximizing the available field area. Similar to Scheme 01, The softball and baseball fields are positioned to the edge of the remaining site with the soccer field overlapping the two outfields, but in a north-south orientation.





SCHEME 03: New Construction (West)

The third concept located a new rink to the north-west corner of the site and required spliting parking lots to the south and to the north connected by a service drive. The softball and baseball fields are positioned to the edge of the remaining site with the soccer field overlapping the two outfields.



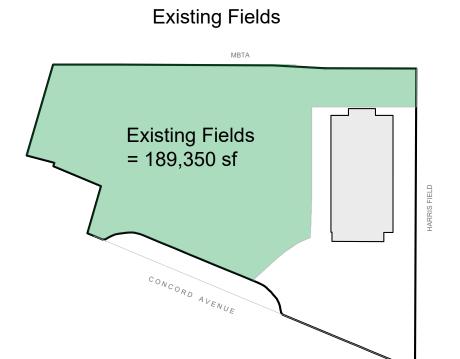


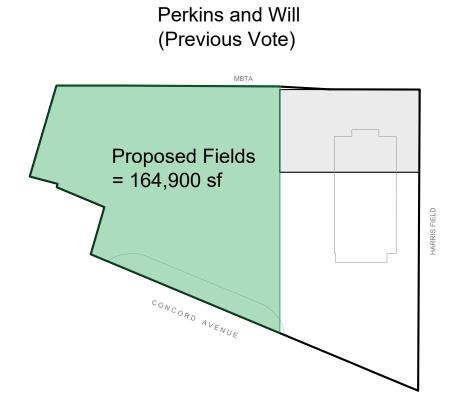


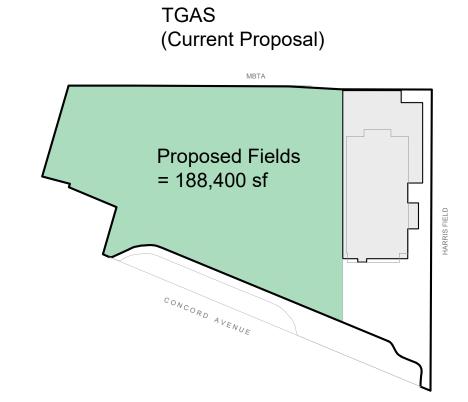








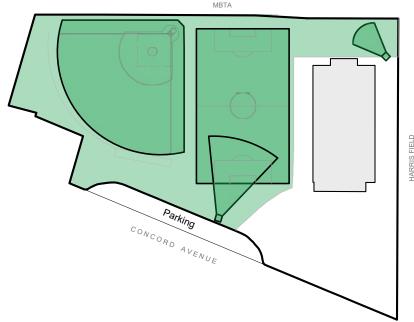




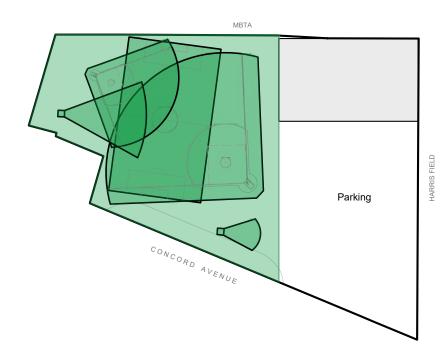




Existing Fields MBTA



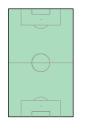
Perkins and Will (Previous Vote)



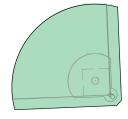
TGAS (Current Proposal)



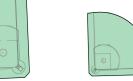
Field Program



Soccer Field 180' x 300'



Baseball Field 300' Foul Line 300' Center Field



Softball Field I Fast Pitch 185'-235' Foul Line 185'-350' Center Field



Discus



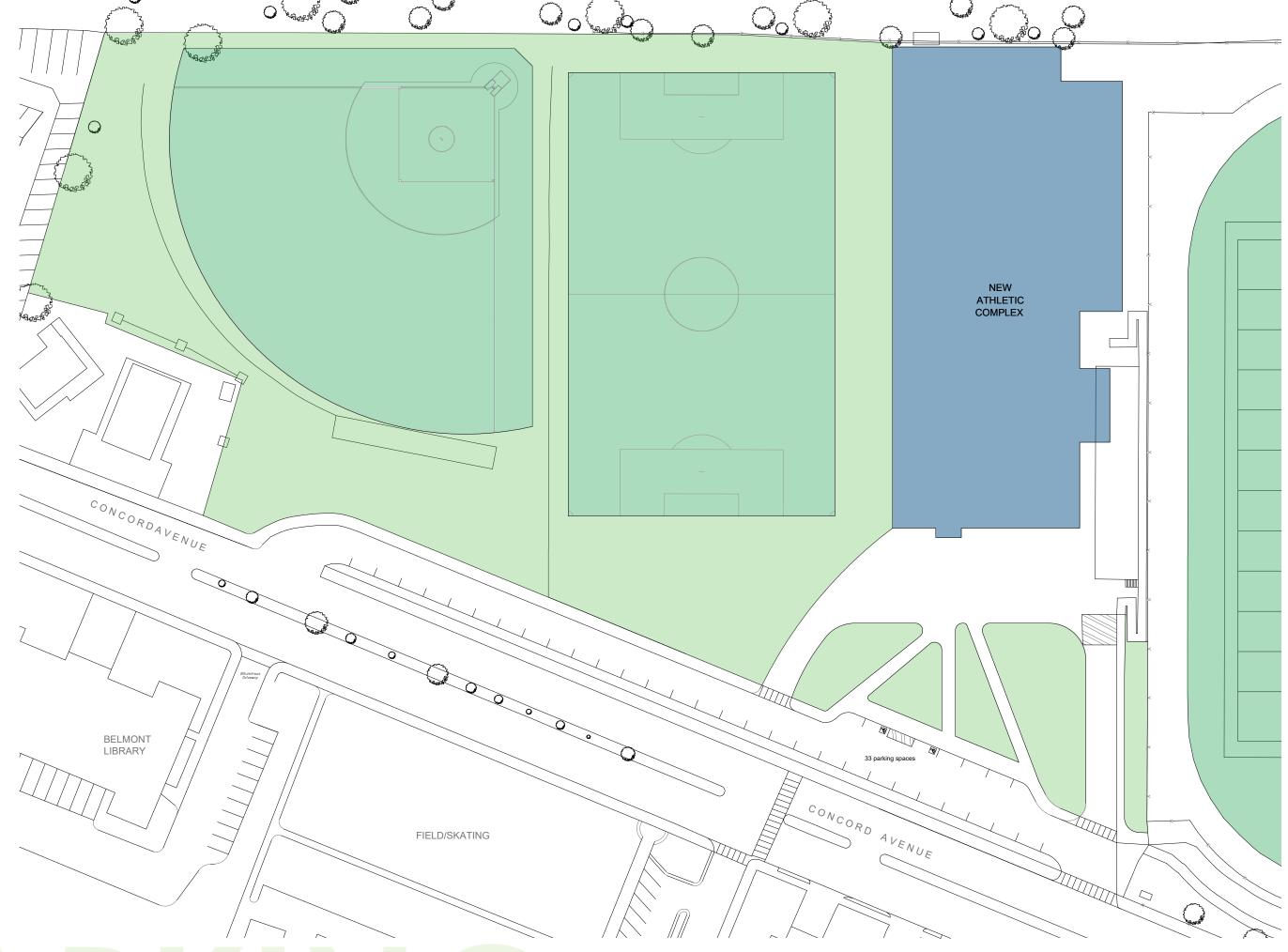
Shot Put







Parking Site Layout



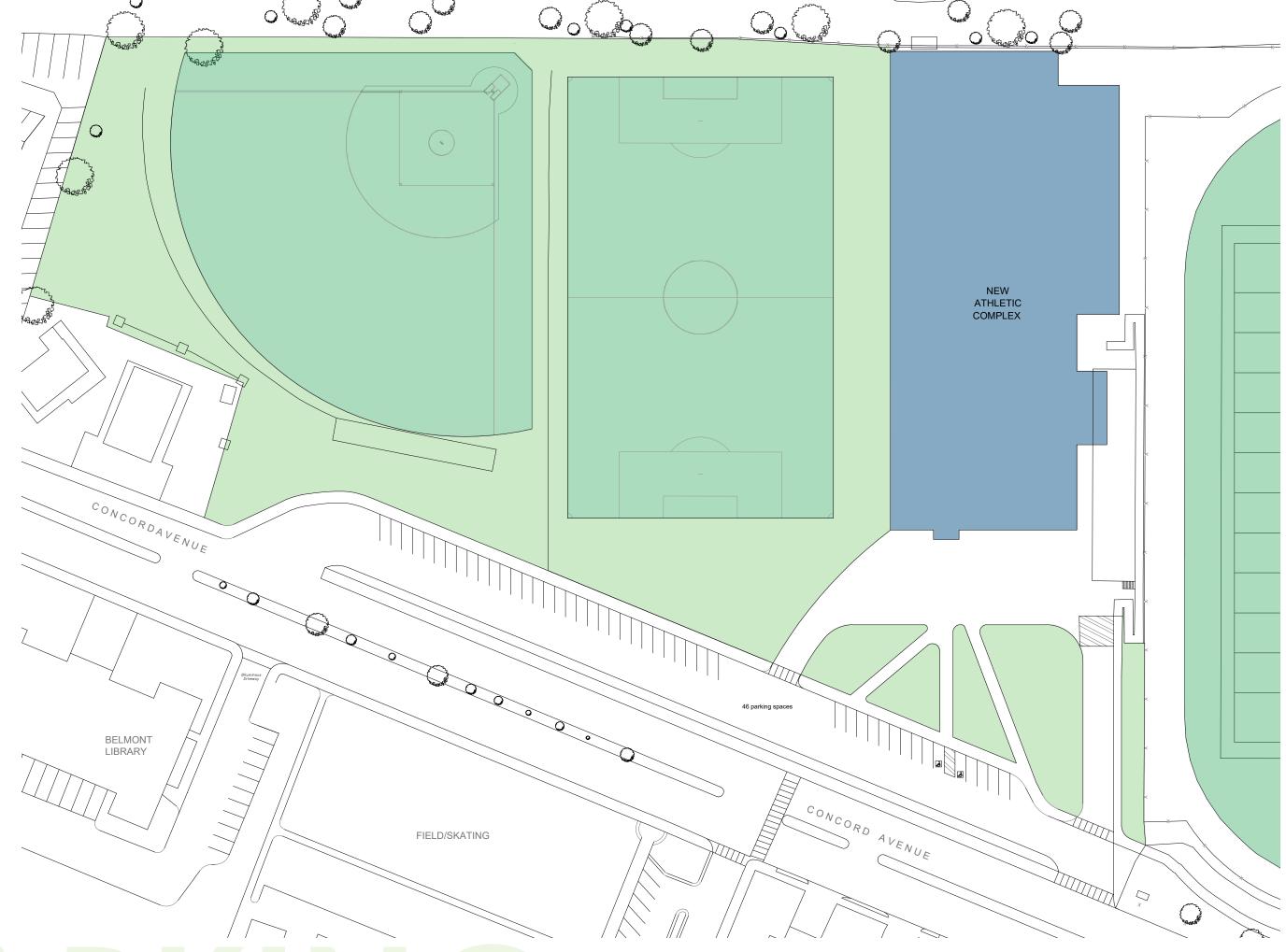










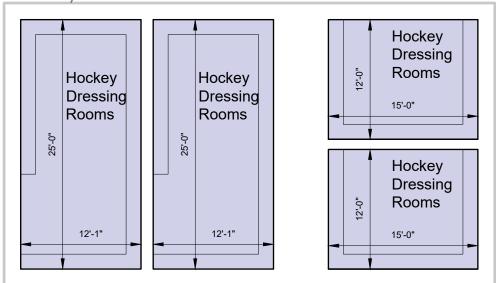






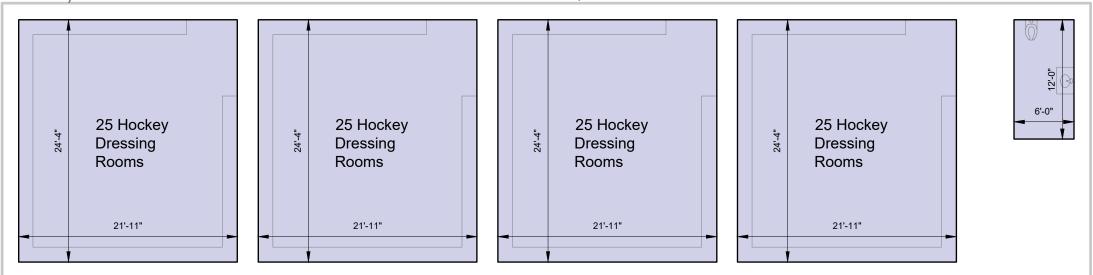
Existing (Viglirolo)

Hockey Lockers = 302 sf + 302 sf + 180 sf + 180 sf = 964 sf



Proposed

Hockey Lockers = 515 sf + 515 sf + 515 sf + 515 sf + 72 sf = 2,132 sf

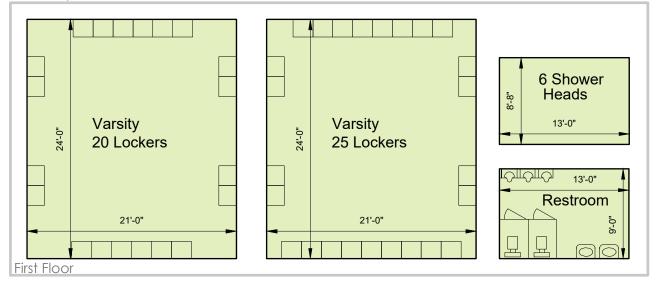


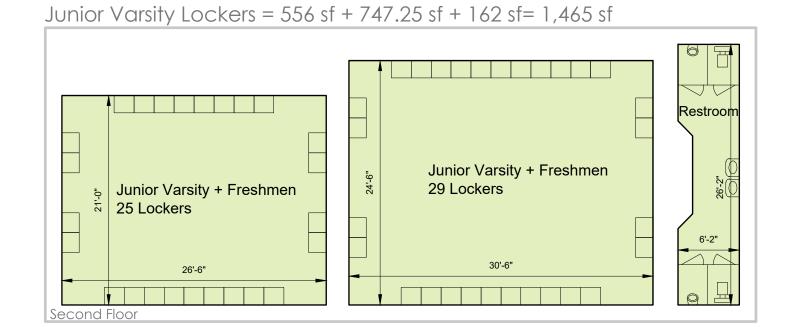




Existing (WFH)

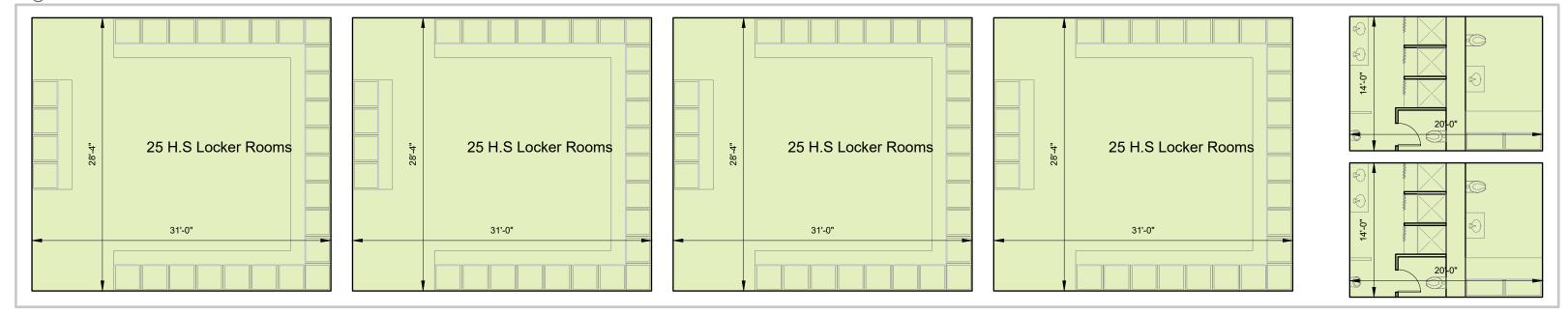
Varsity Lockers = 504 sf + 504 sf + 114 sf + 117 sf = 1,122 sf





Proposed

High School Locker Rooms = 880 sf + 880 sf + 880 sf + 280 sf + 280 sf = 4,080 sf







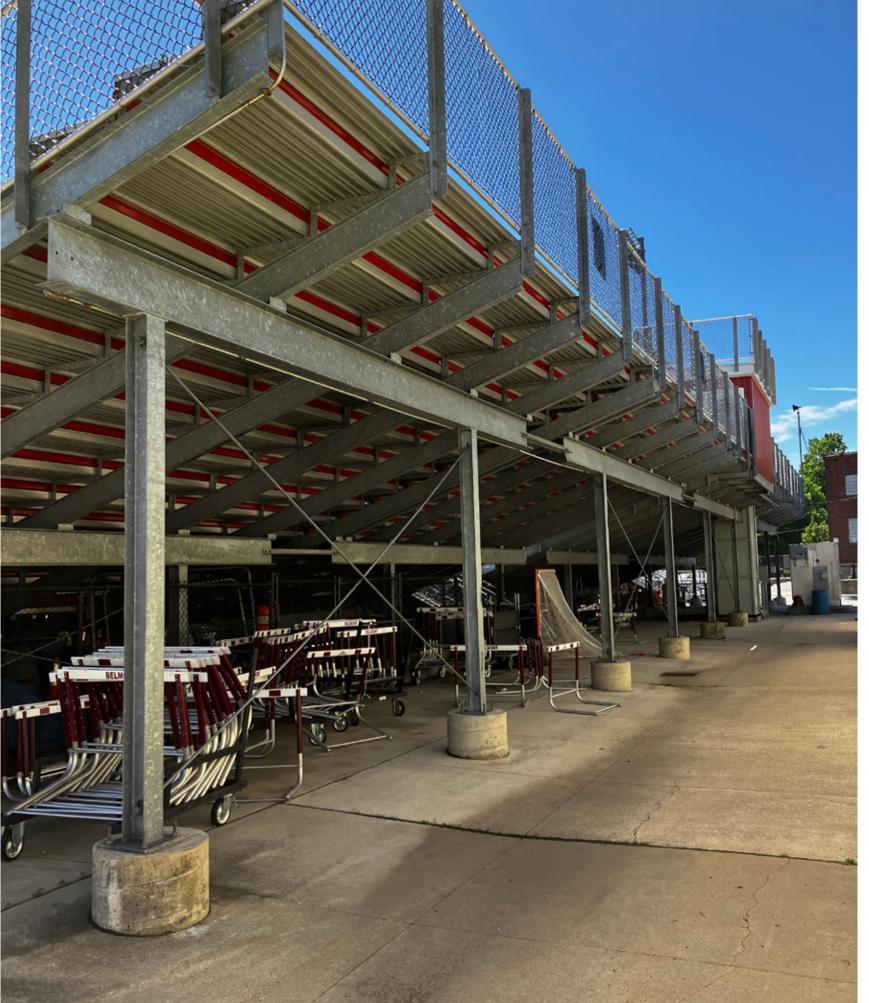
Existing (WFH)

Harris Field Dressing Rooms = 925 sf + 925 sf + 257 sf= 2,107 sf





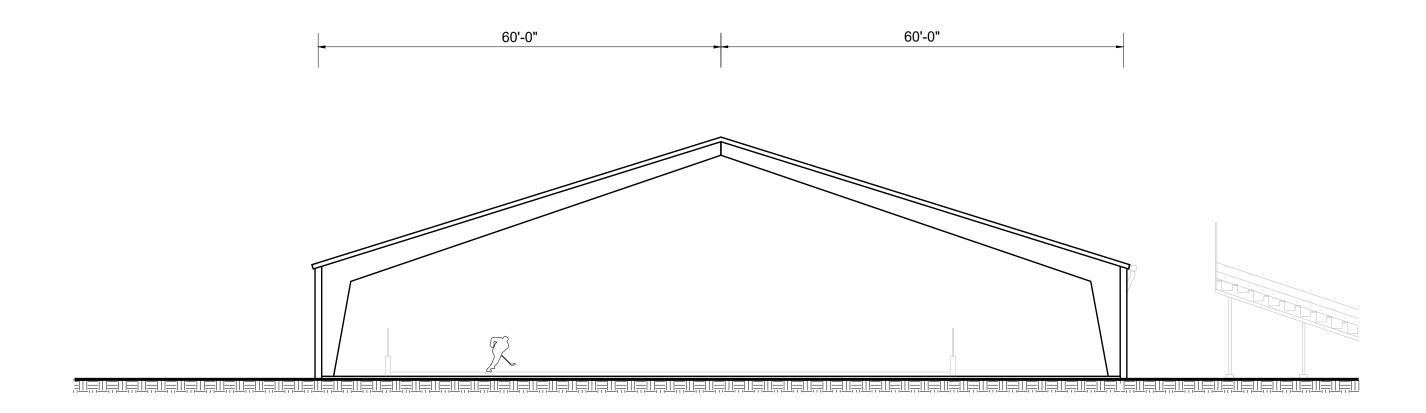






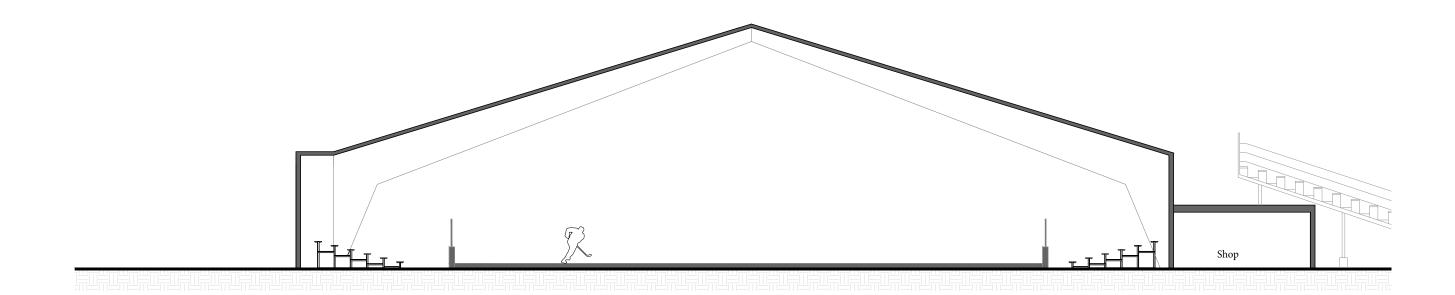






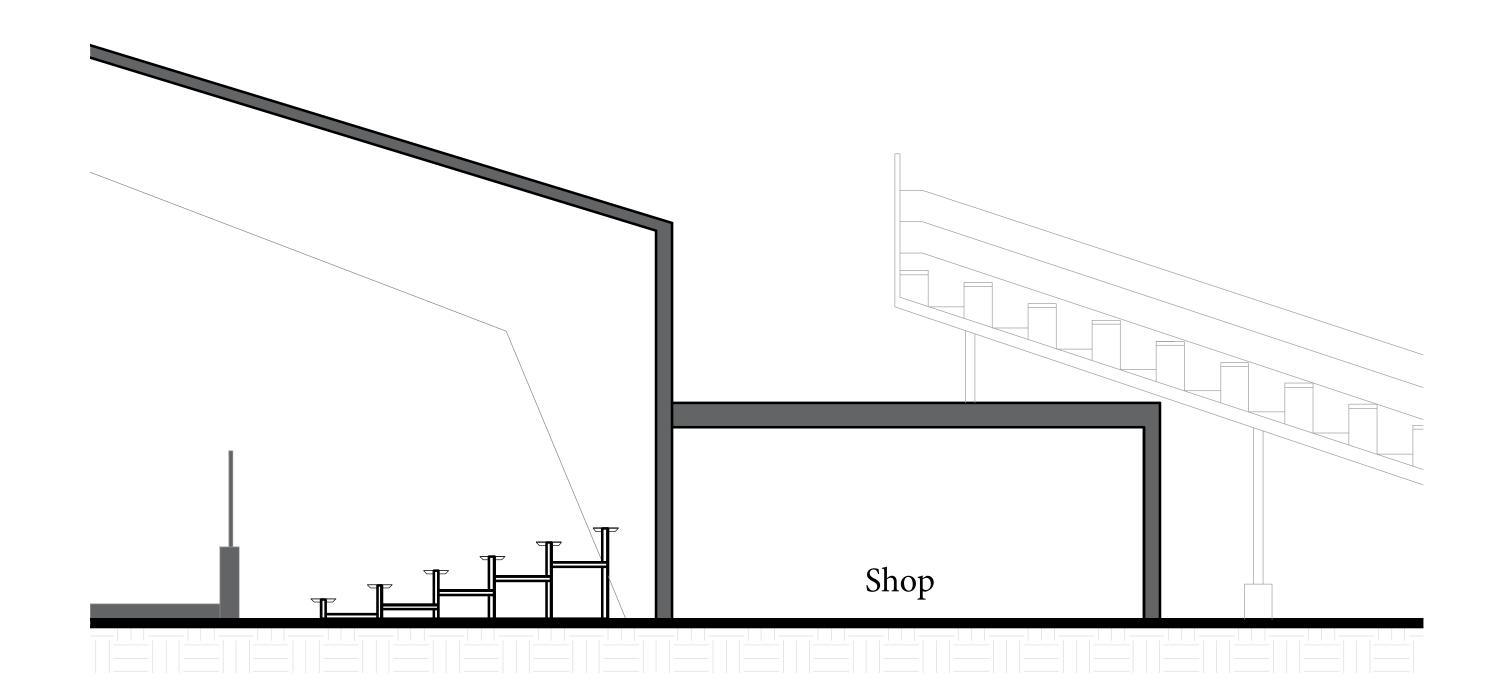






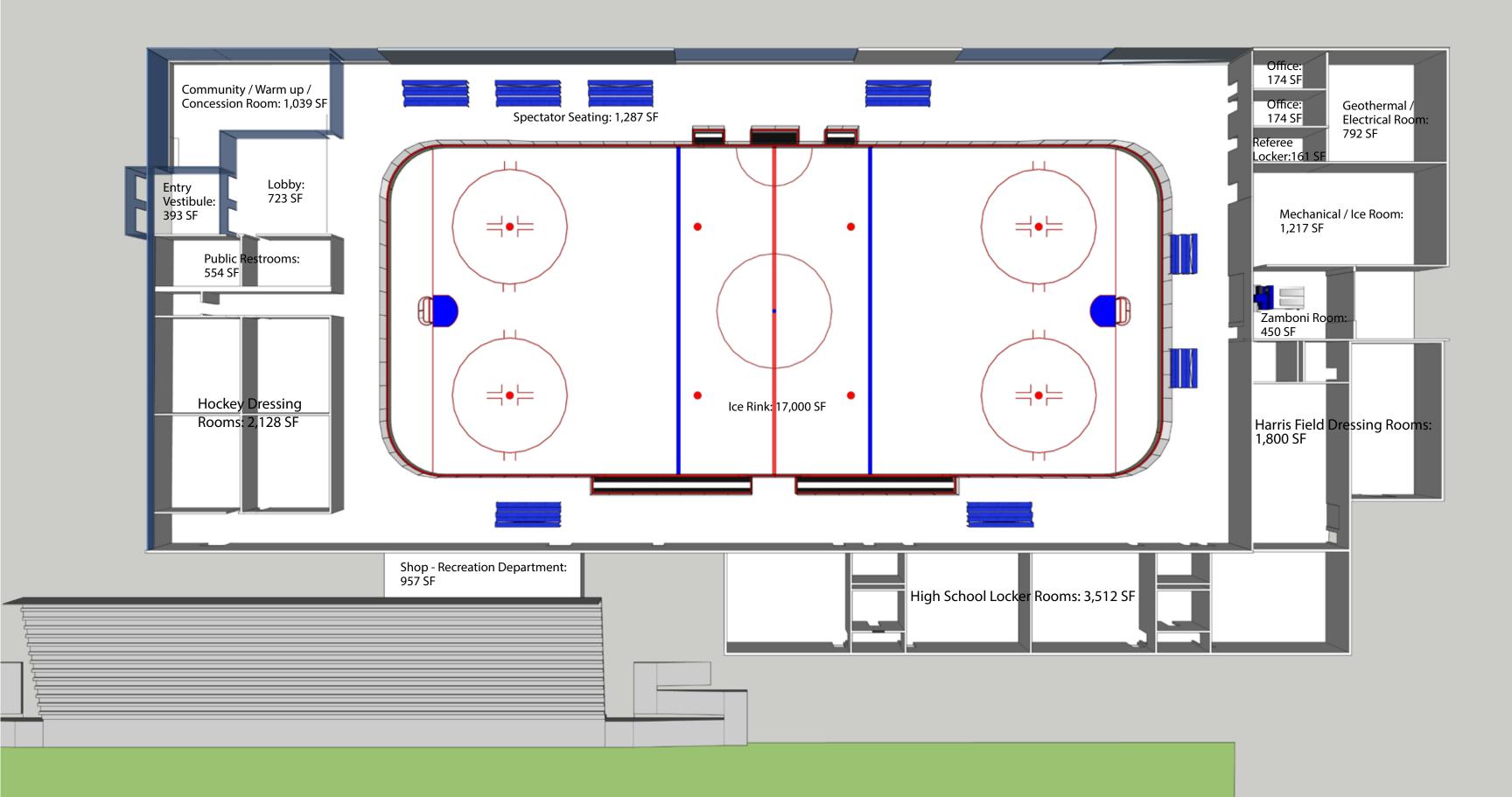






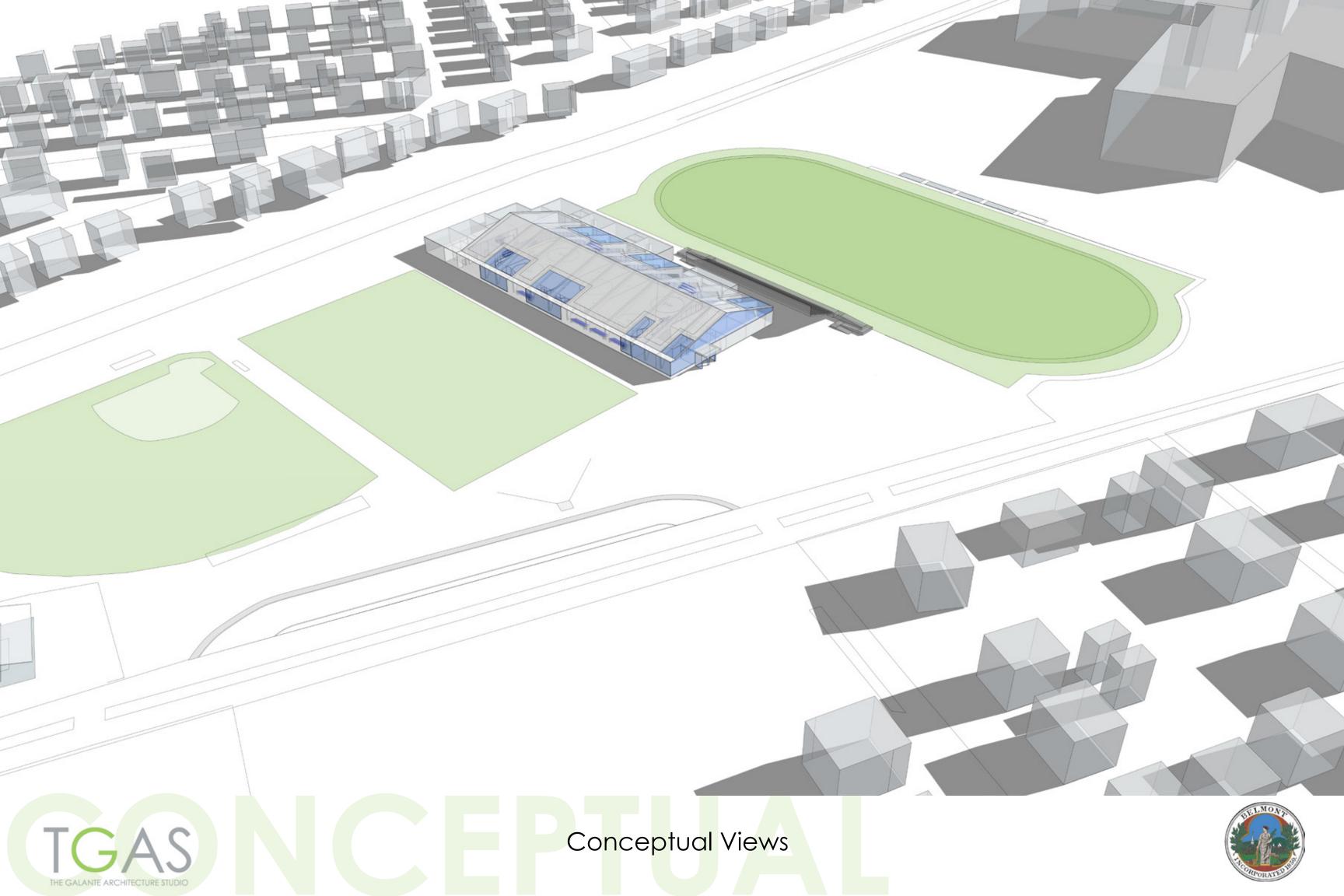




















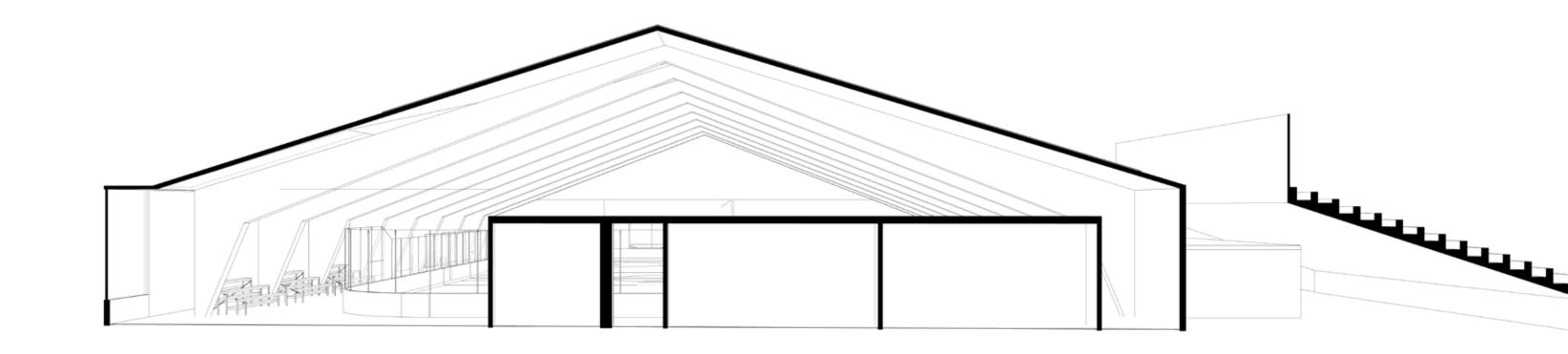






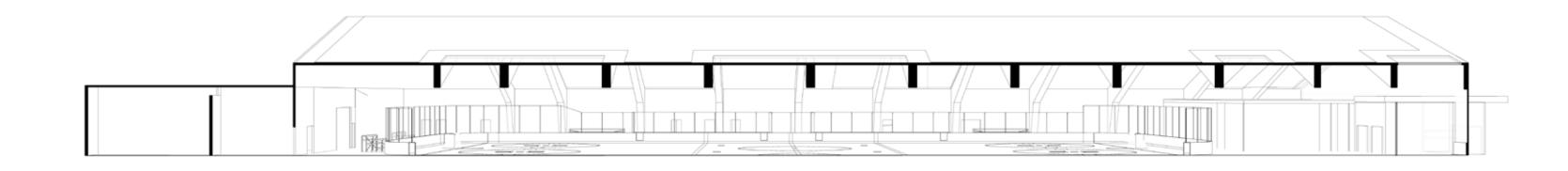






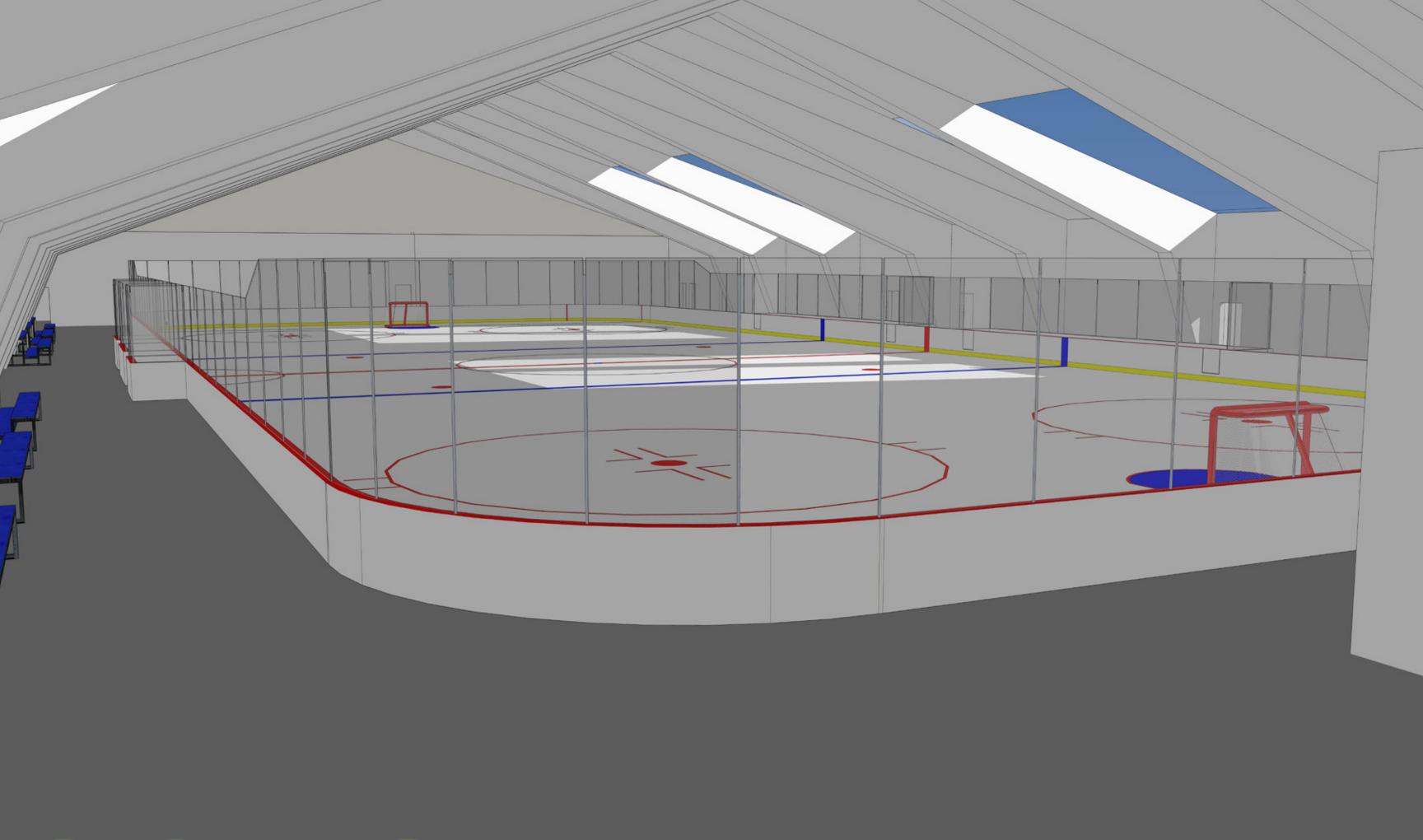






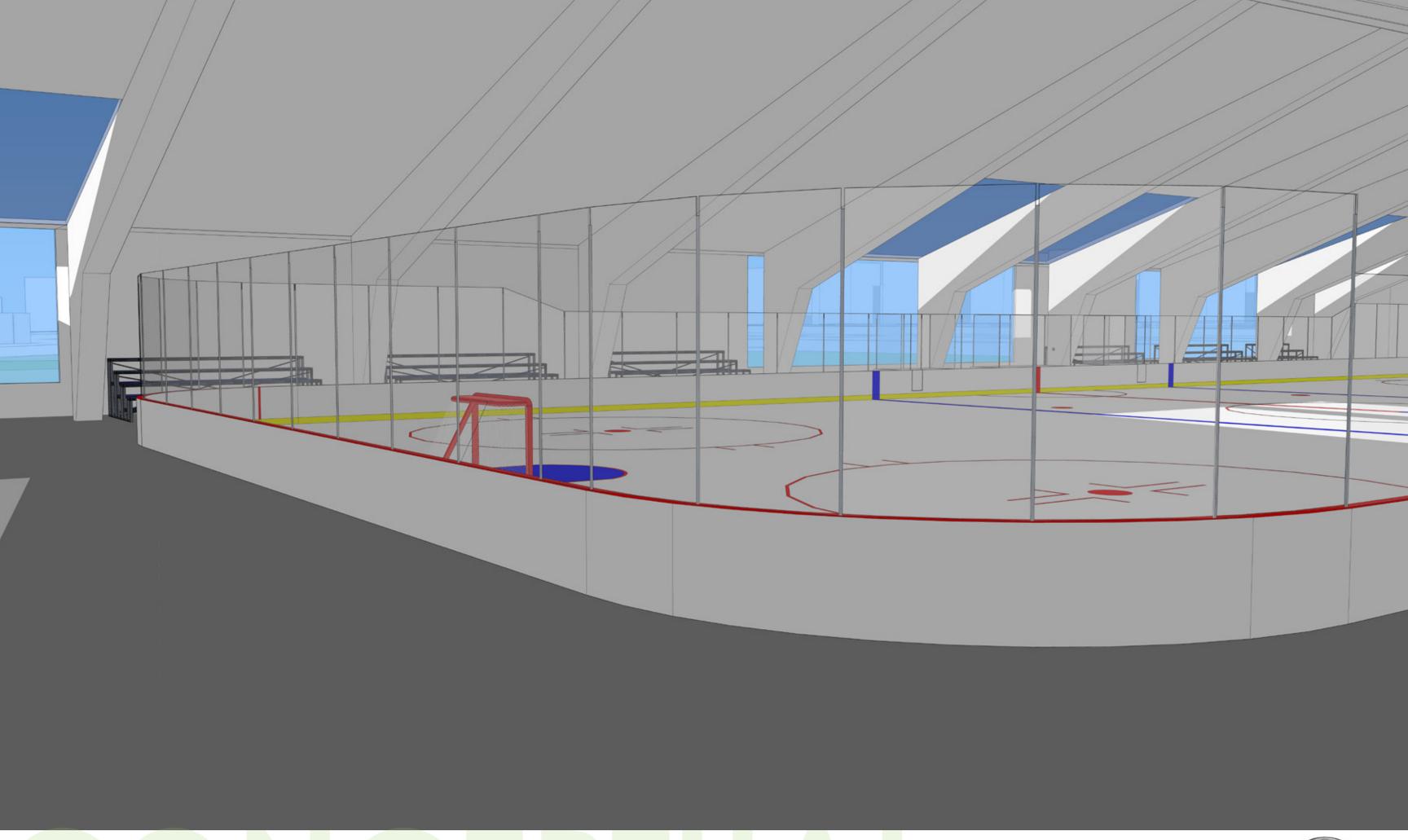






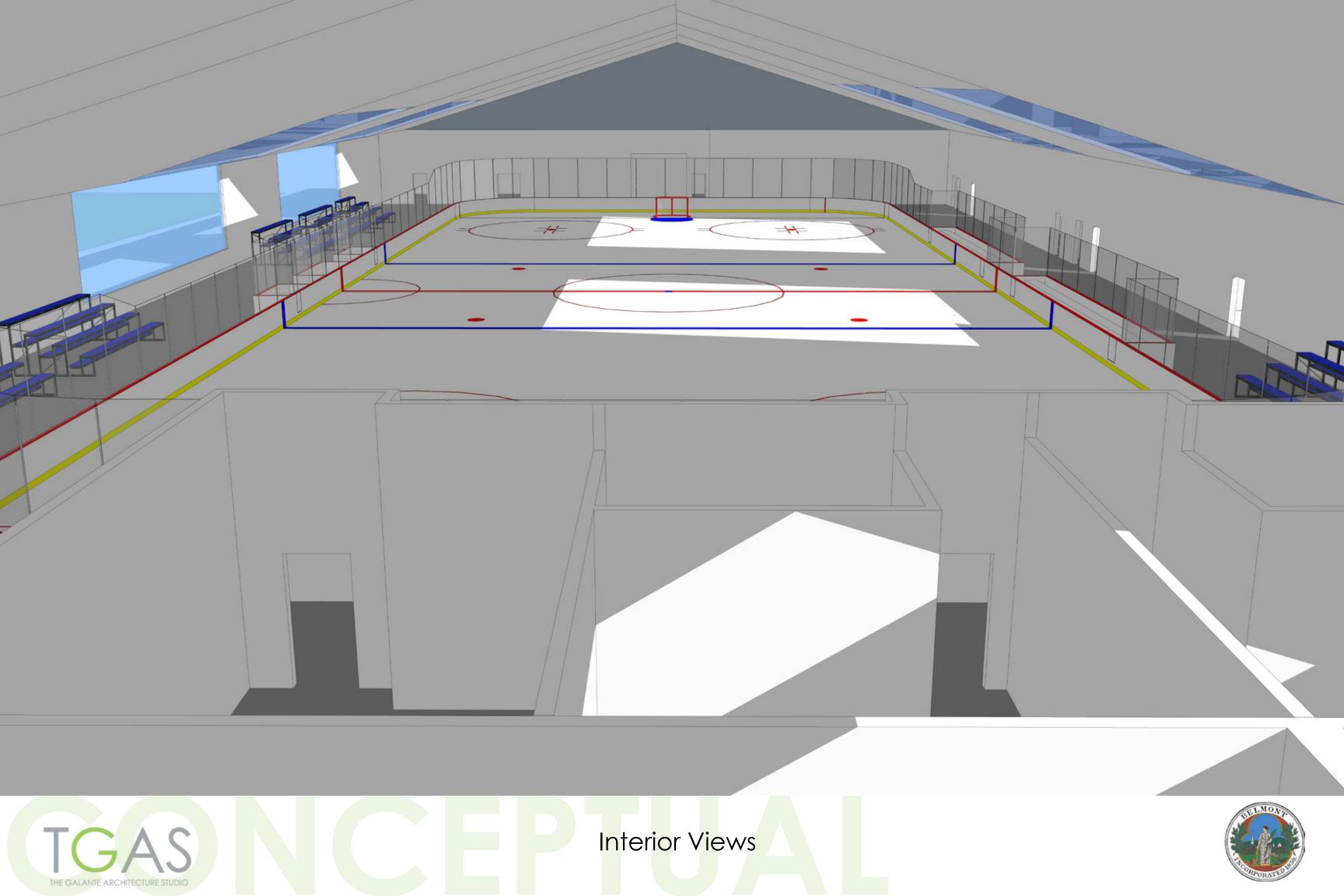


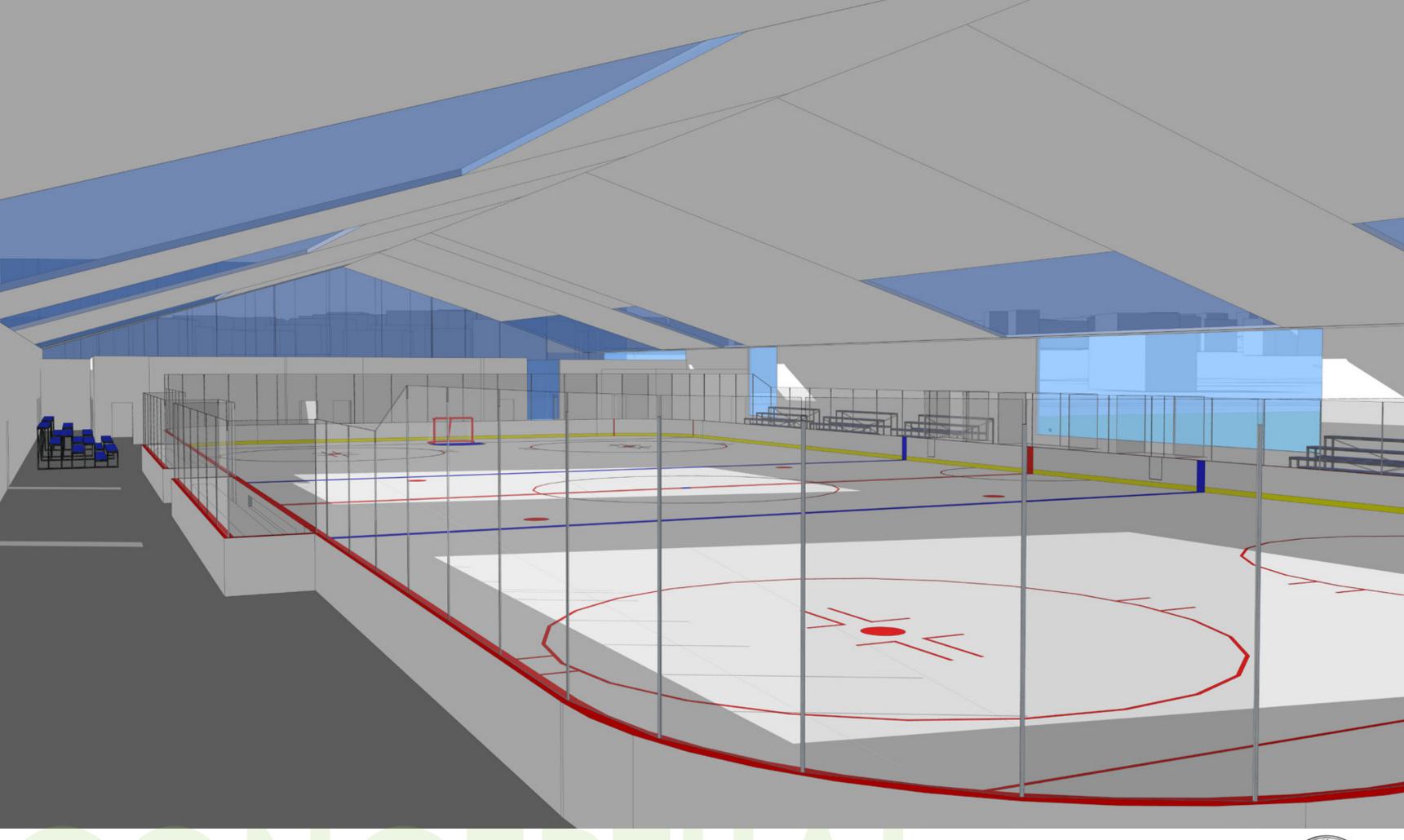












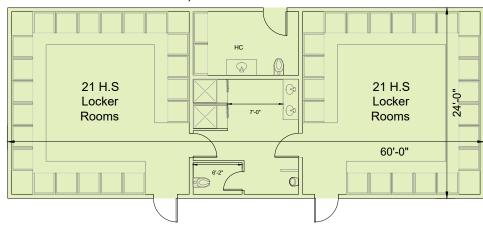


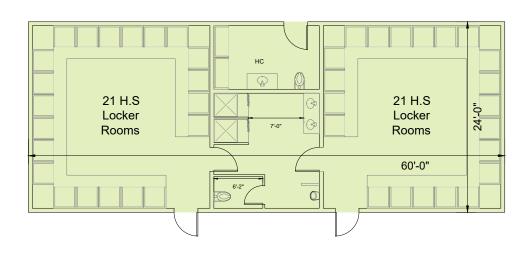


Renovate and Expand Modular Trailers

High School Sports

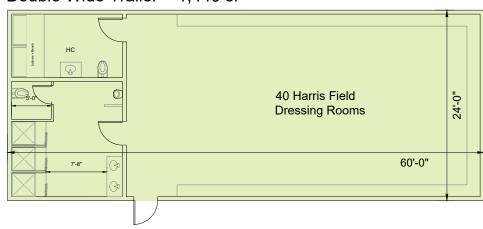
Double Wide Trailer = 1,440 sf

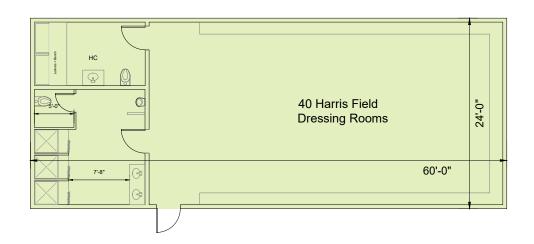




Harris Field Sports

Double Wide Trailer = 1,440 sf





Rec Department

Double Wide Trailer = 1,440 sf



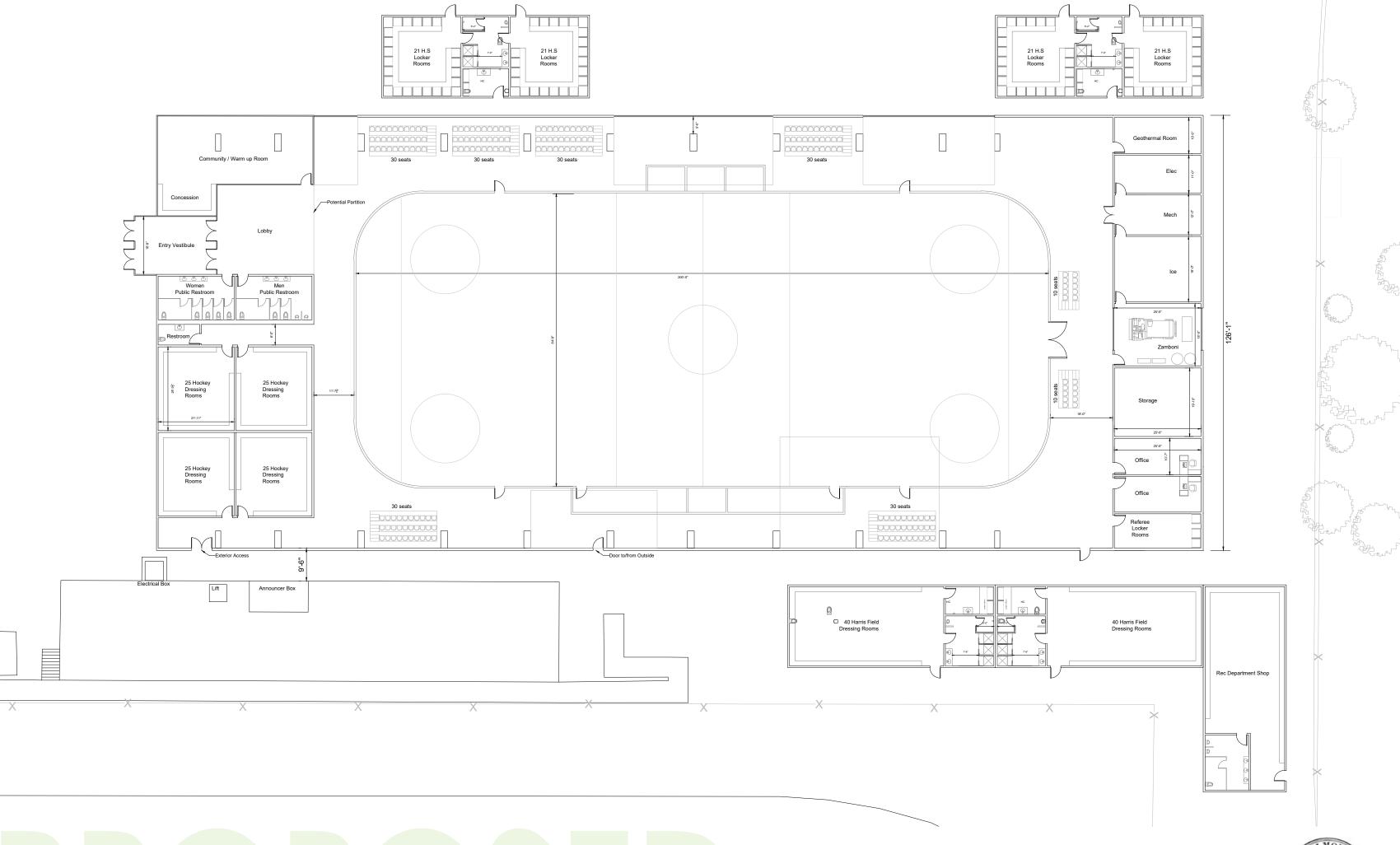






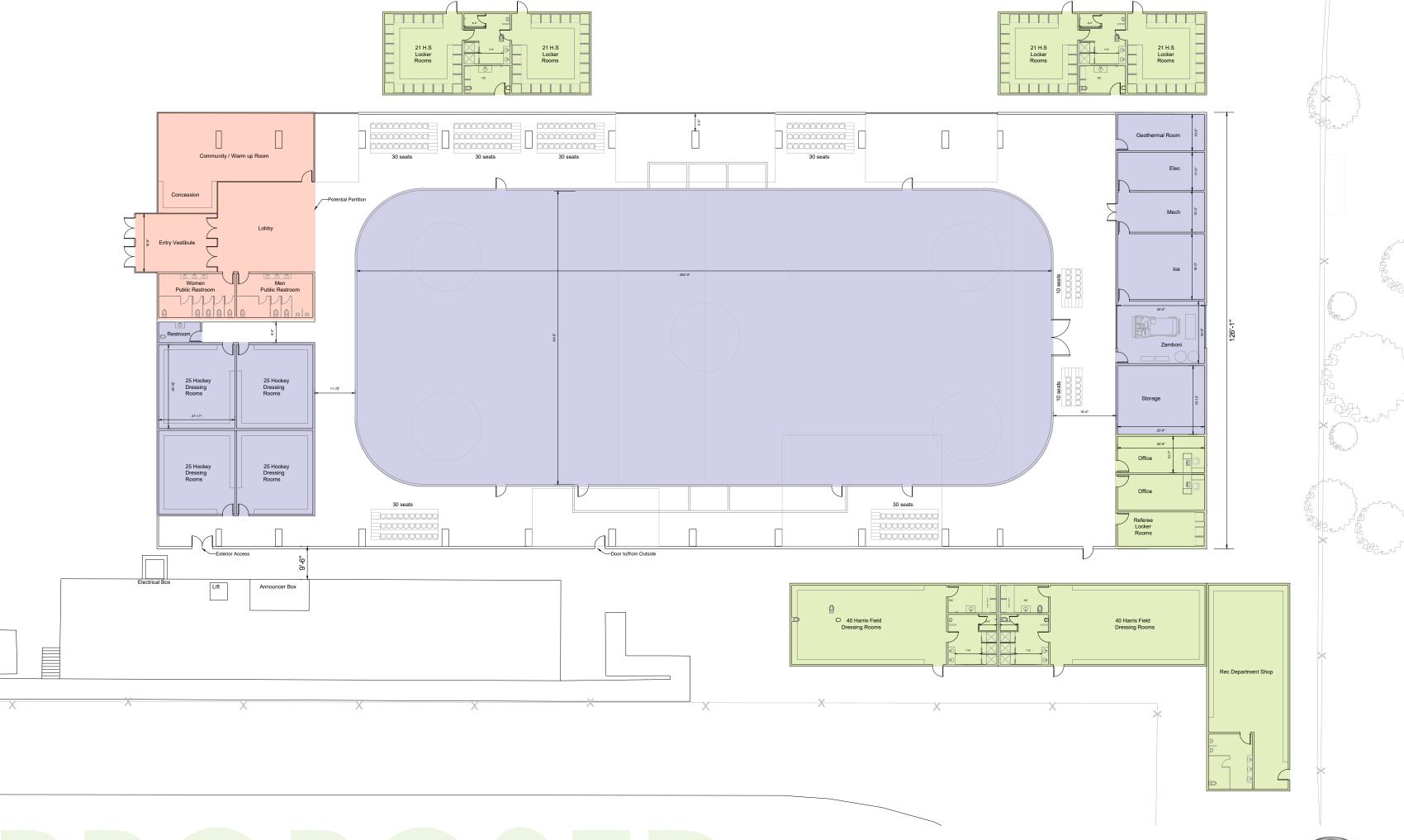










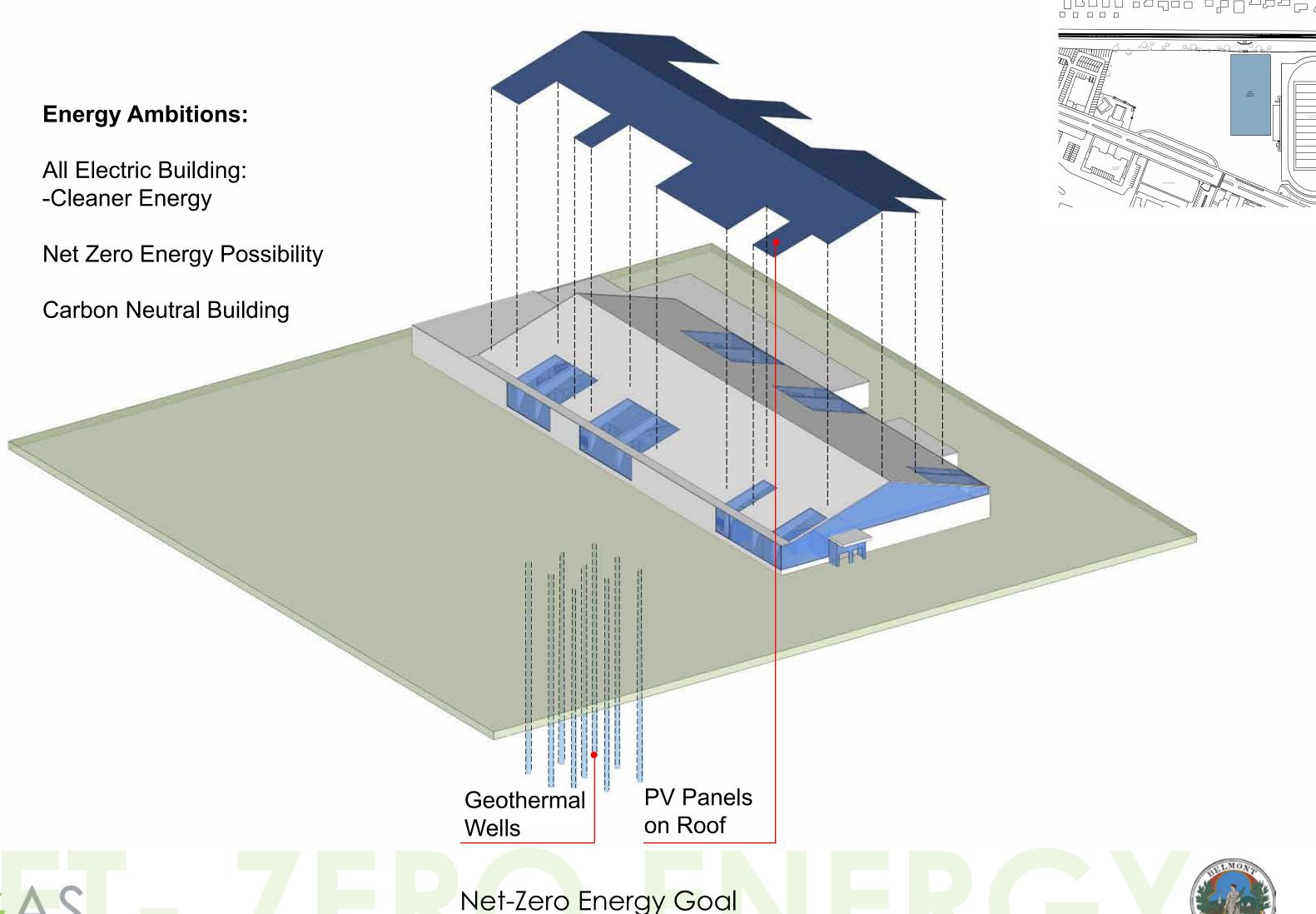






Net-Zero Energy Goal

Potential for Town Wide Net Zero Approach







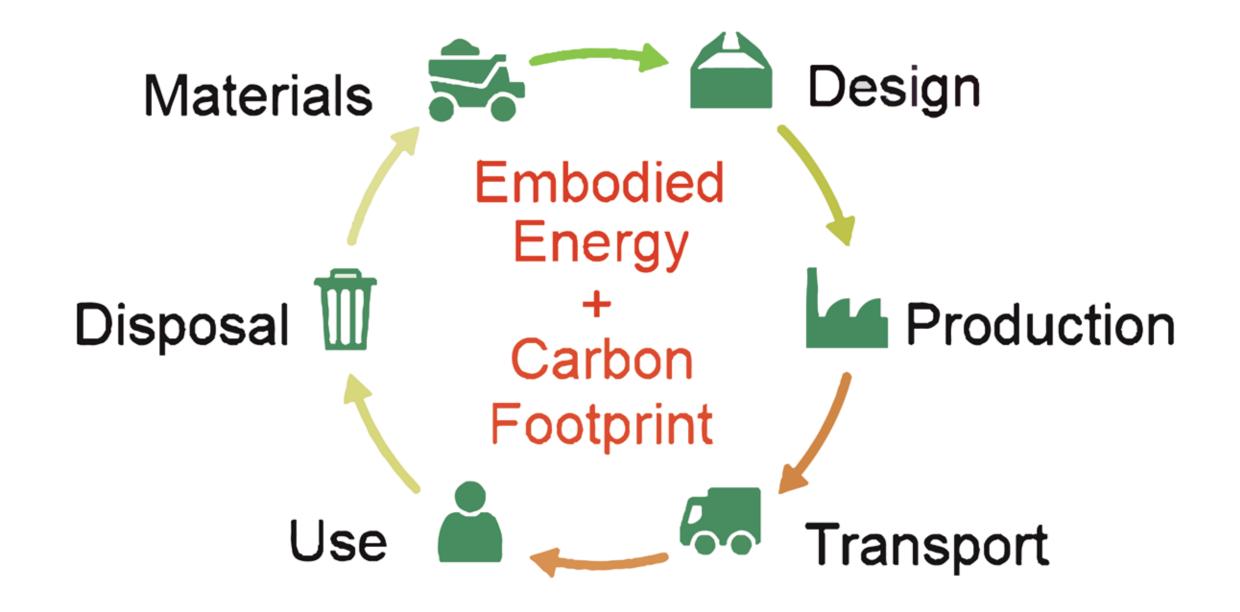


Embodied Energy

RE novate

RE - use

RE cycle

















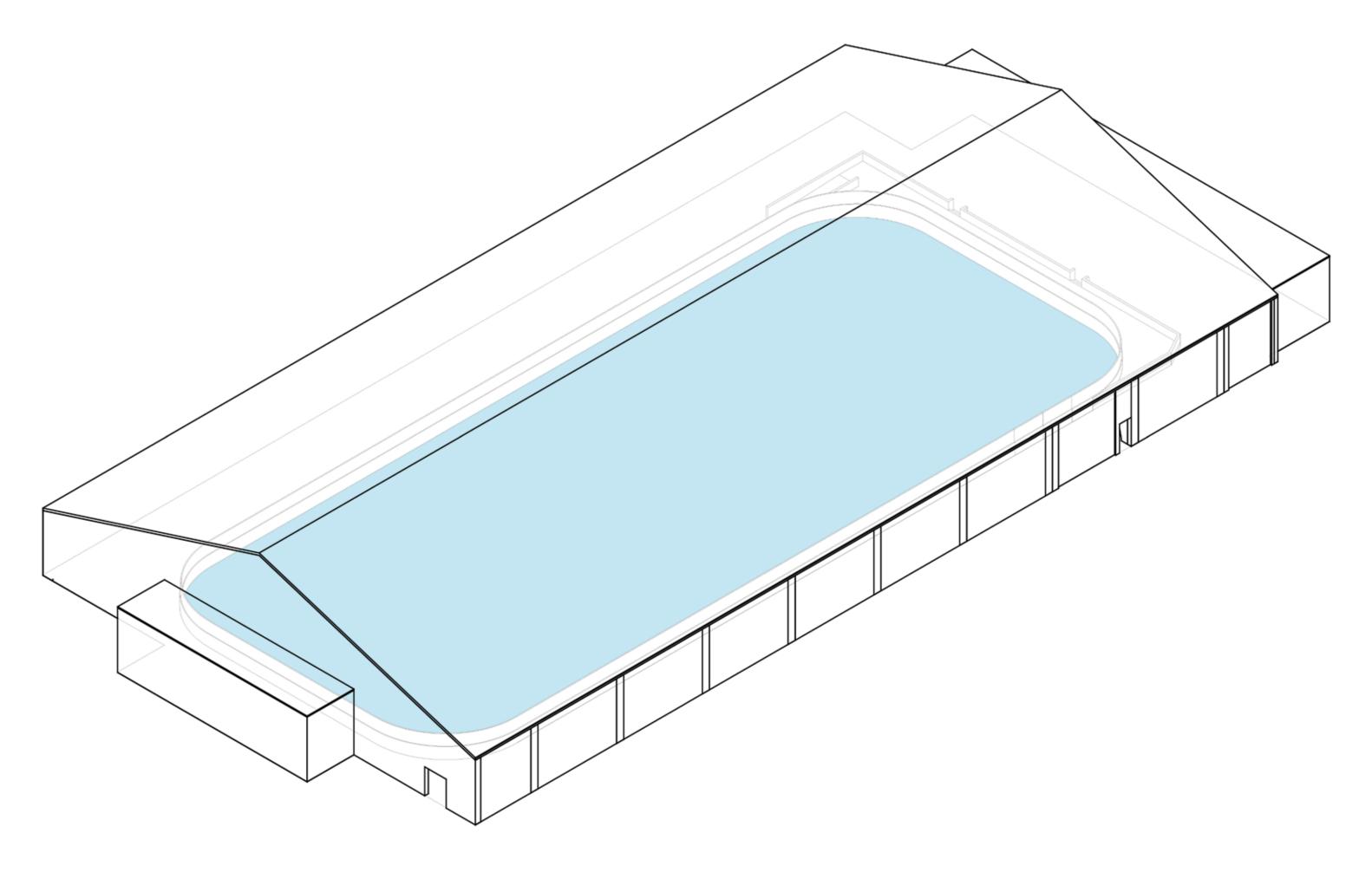








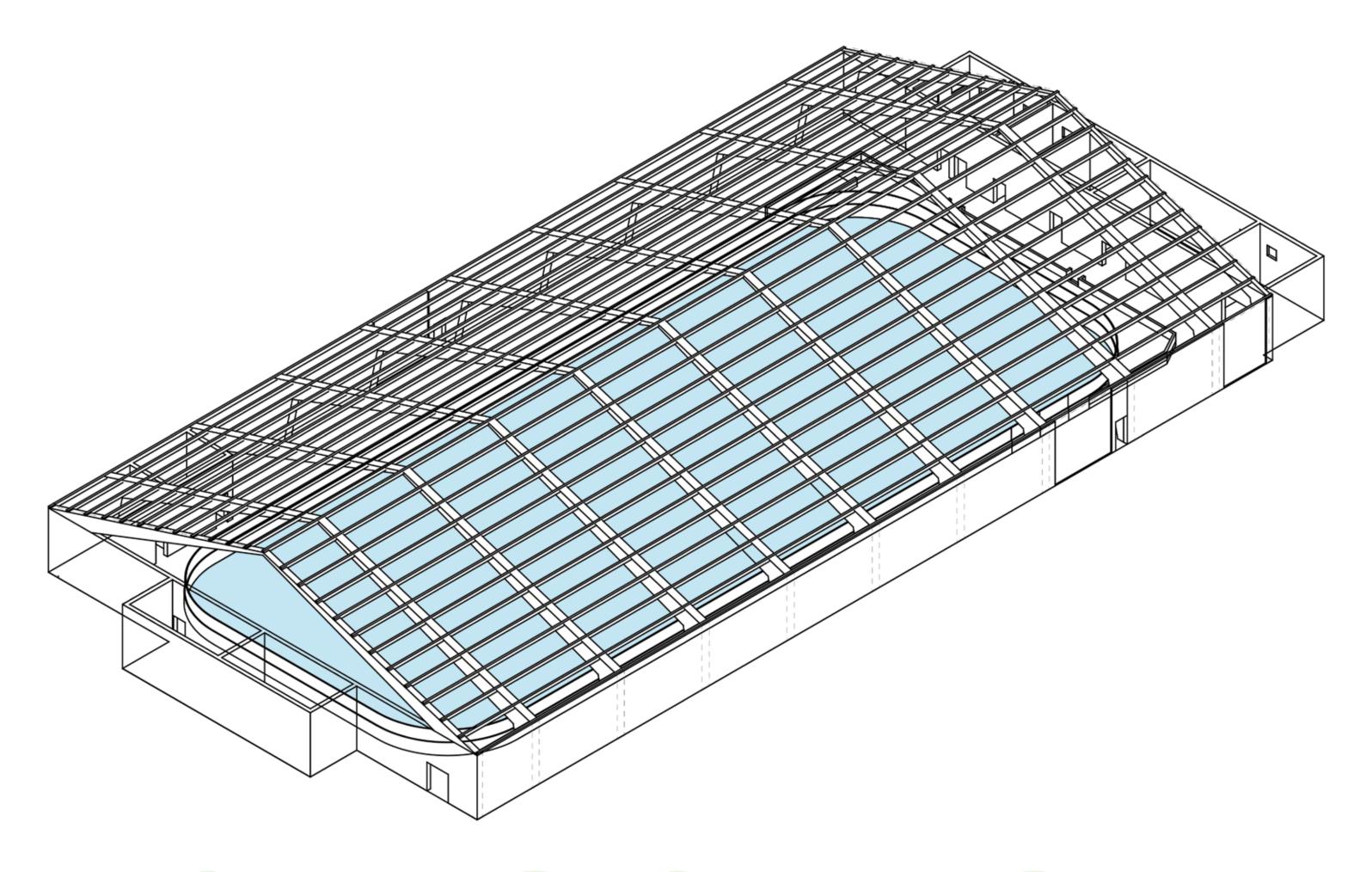




Roof



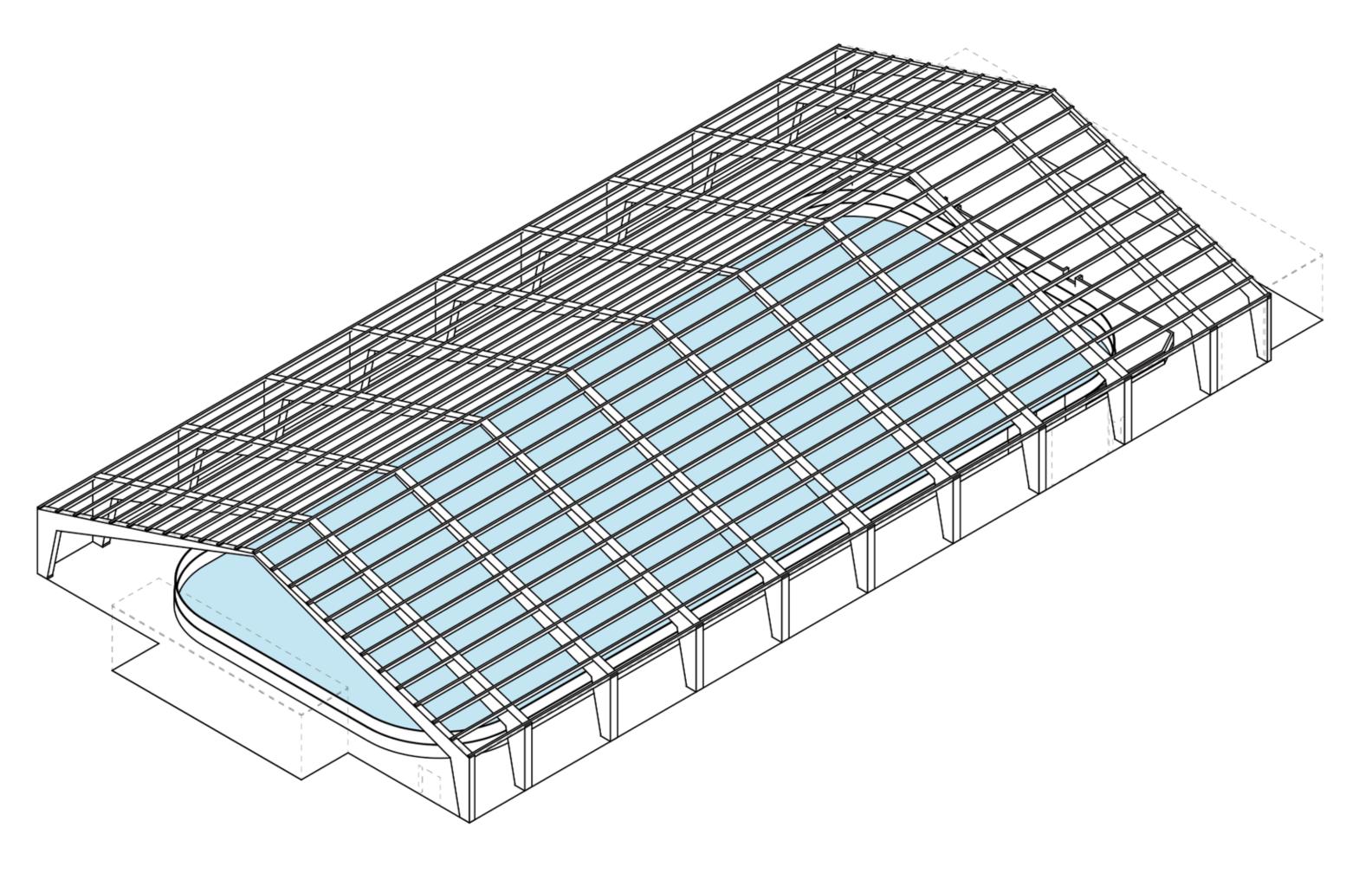








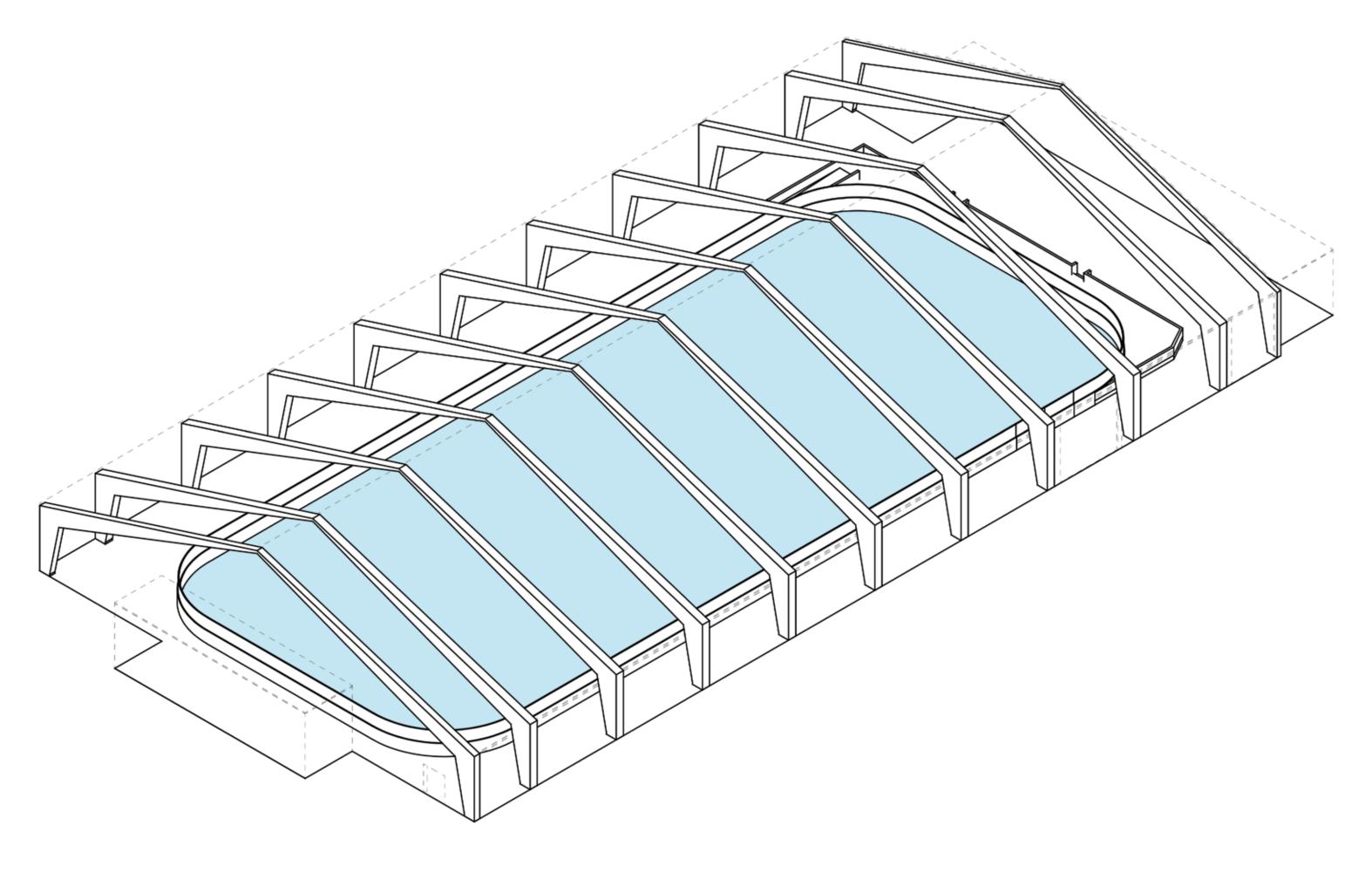






Purlins







Bents



Building Renovation / Re-use

- Structural steel bents
- Roof purlins
- Foundations (with modifications)
- Harvesting other materials for re-use
 . Masonry
- Recycle all unusable materials





Design Solutions

- Renovation and Expanding Skating Rink
 - . Renovate, Reuse, Recycle
- Design Sustainable Skating Rink
 - . All Electric
 - . Energy Efficient
 - . Fossil Fuel Free
 - . Net-Zero Focused
- Fields remain functional
- Consider Conceptual Design of Fields
- Consider Conceptual Design of Parking



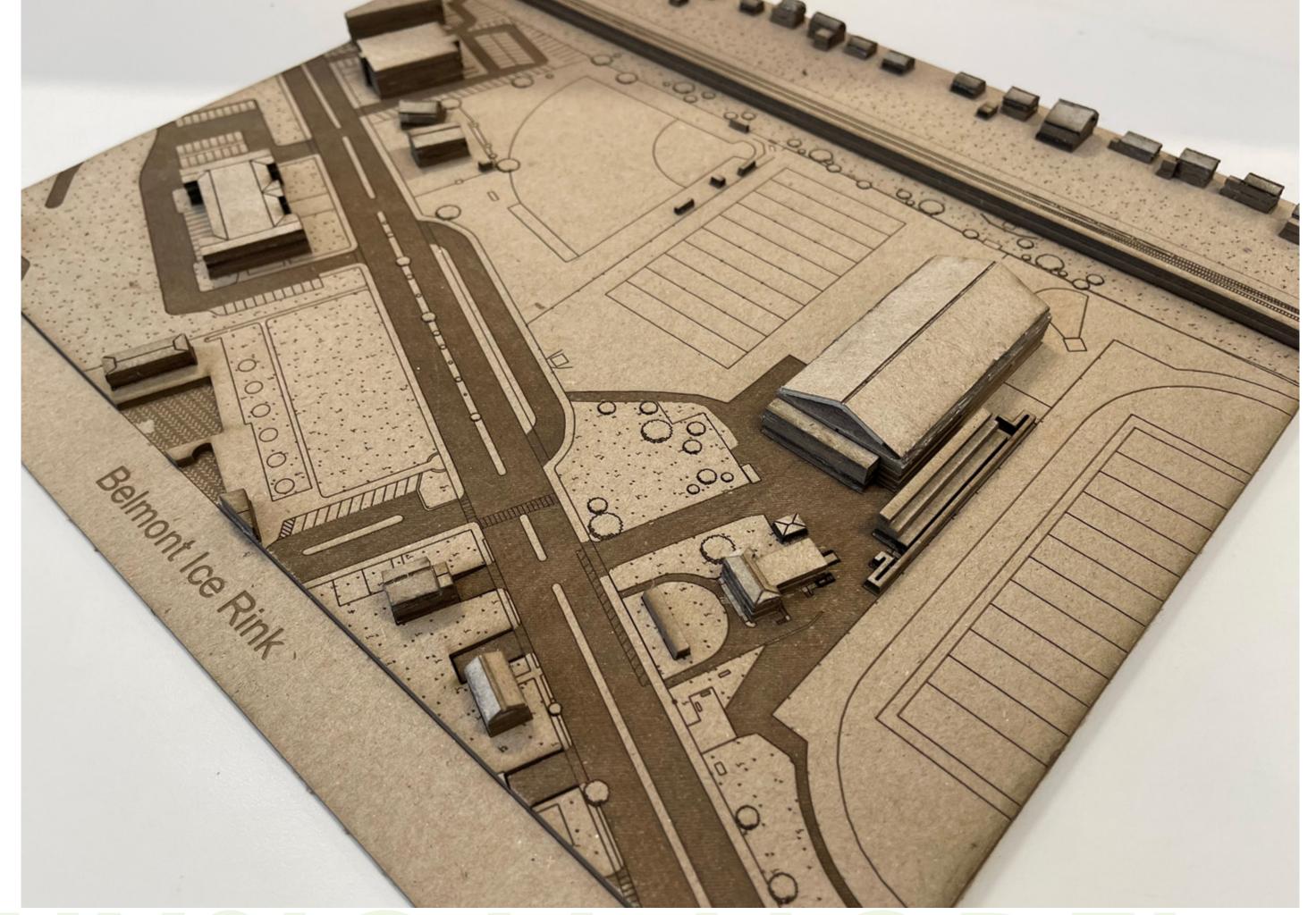


Areas to Consider



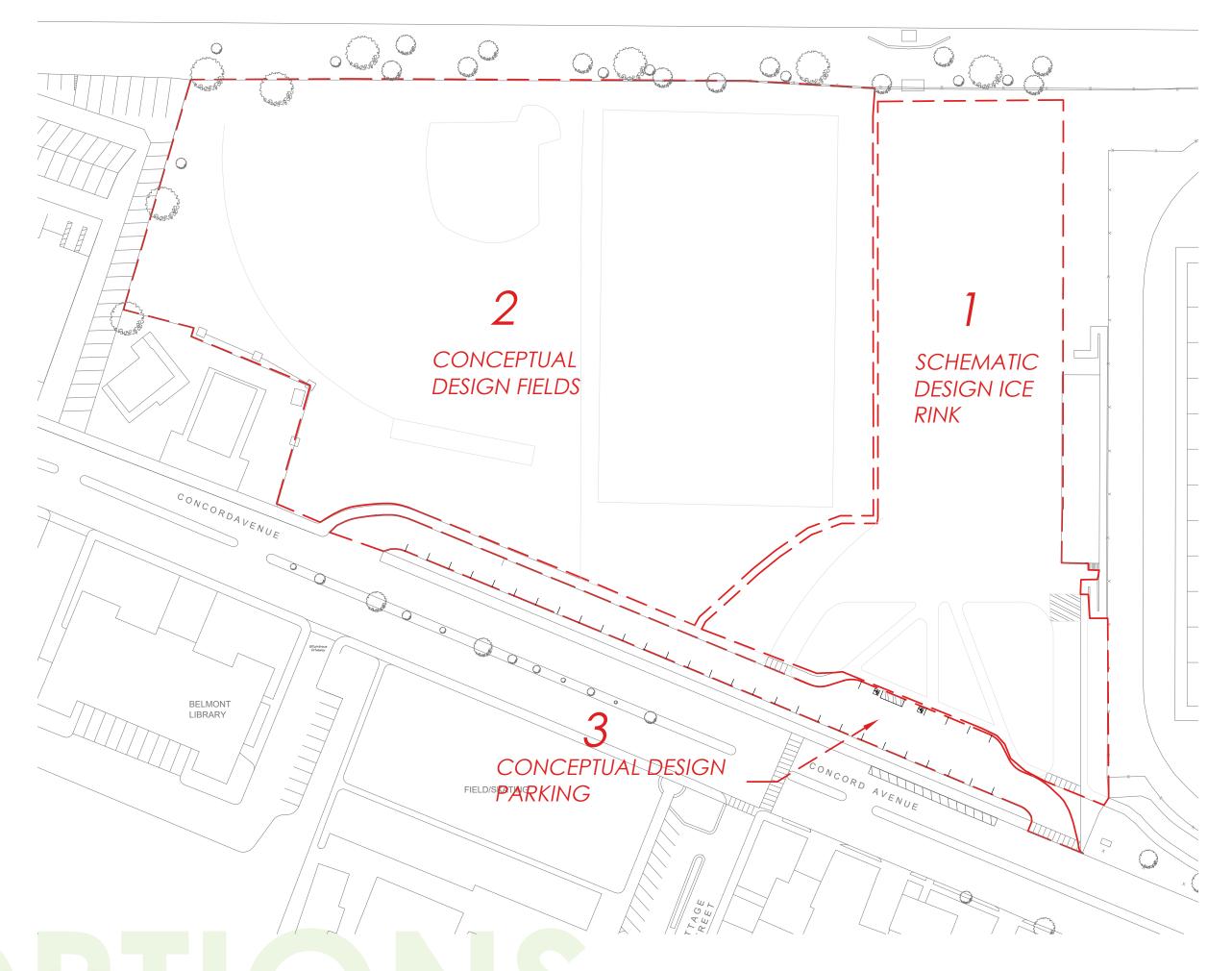














Schedule

	2023						20232024						
Feasibility Study	June July		/ August	August September		November	December	cember January Fo		February March		14 months	
reasibility study	1 8 15 22 29	5 12	19 26 3 10 17 24 31	7 14 21 28	5 12 19 26	2 9 16 23 30	6 13 20 27	6 13 20 27	3 10 17 2	14 1 8 15 22	29 5 12 19 2	26	
Kick Off Meeting / Site Visits Feasibility report Comments from stakeholders	Regulatory Research	Schematic Design package			Design Development package		60% CD cost estimate	90% CD cost estimate	100 % CD / Bid documents		Construction Kick Off Meeting	50% Construction Complete	Building Systems Commissioning Substantial Completion of Construction Punch List / Ribbon Cutting / Project Close Out
Programming													
rrogramming													
Biweekly Meetings													
Feasibility Analysis													
Weekly Meetings	Meetings Schematic Design												
	Biweekly Meet	tinas											
	DIWOORIY MOO	111193	Design Deve	elopment									
			Biweekly <i>N</i>	1eetings									
							Construction Documents						
							Biweekly Meetings			A			
						5 55.k., 155 ll. 193				Award / permit			
												Construction Administration	
												Marklin Draman Adam II	
									Weekly Progress Meetings				

The Galante Architecture Studio, Inc. 617 576 2500

5/17/2022









