

CHINQUAPIN FEASIBILITY STUDY UPDATE WITH REVISED CONCEPTS AND COST ESTIMATES

January 21 Park and Recreation Commission Meeting

CHINQUAPIN SWIM CENTER
REVISED CONCEPTS

12-31-15



CHINQUAPIN AQUATIC CENTER

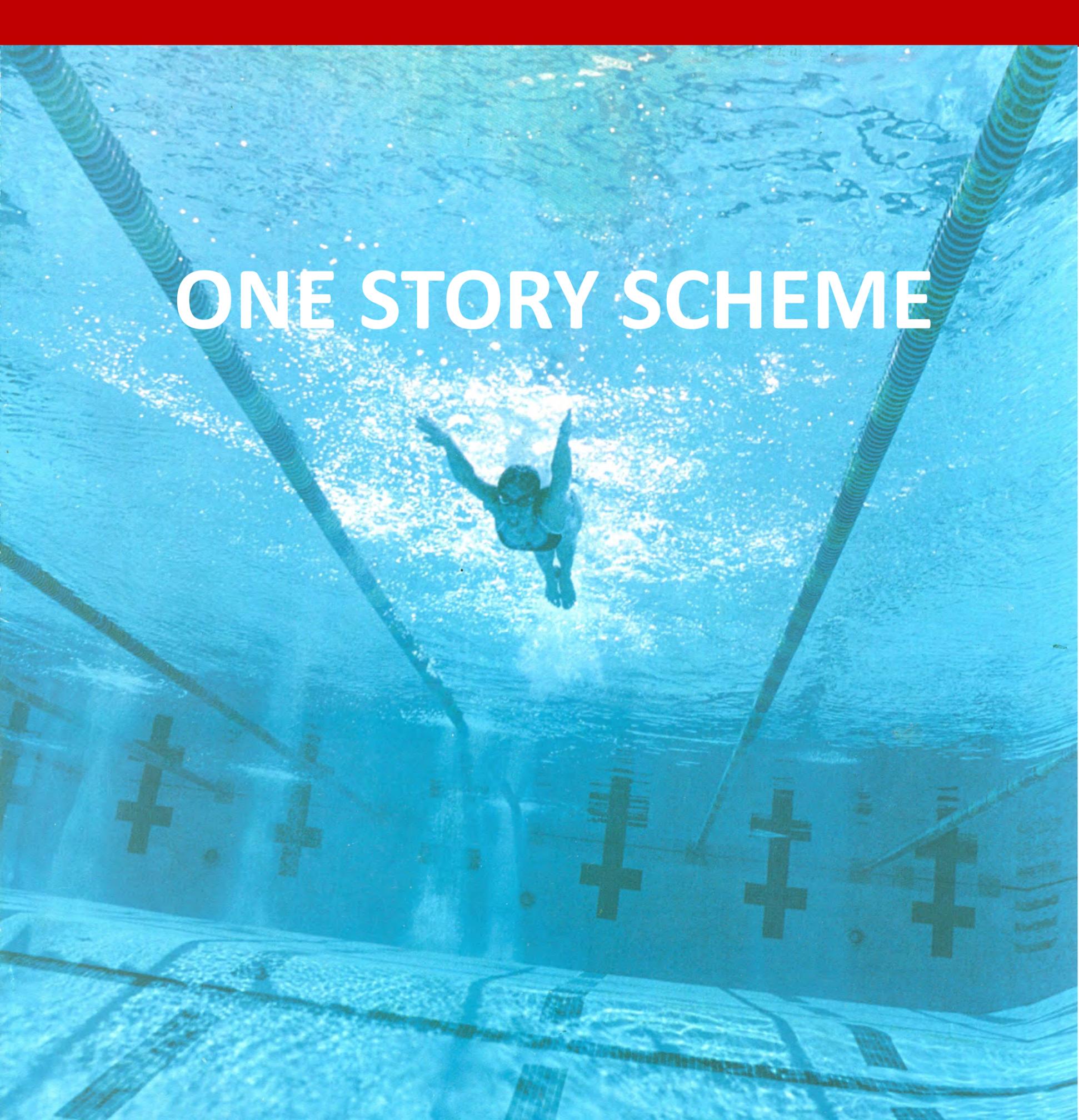
REVISED CONCEPTS

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Review of different alternate construction types that may decrease the cost:

- Conventional Construction (1 & 2-Story)
- Pre-Engineered Structure (1 & 2-Story)
- Translucent Enclosure (1 & 2-Story)
- Architectural Membrane Structure (1-story only)



ONE STORY SCHEME

CHINQUAPIN SWIM CENTER
REVISED CONCEPTS

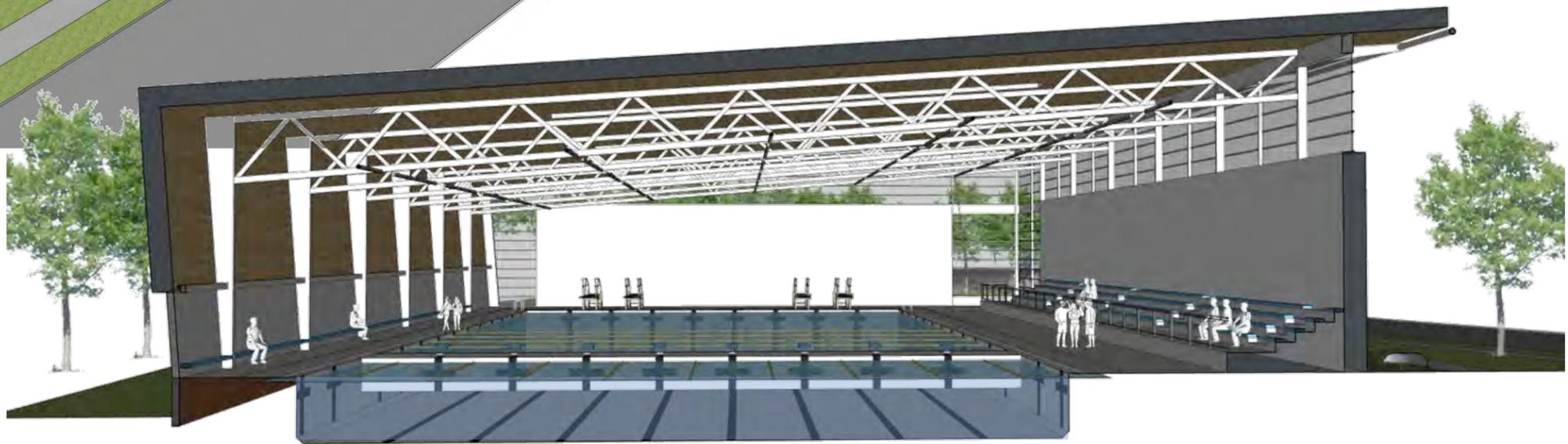
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ONE STORY SCHEME – CONVENTIONAL CONSTRUCTION



AERIAL VIEW



CHINQUAPIN SWIM CENTER
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ONE STORY SCHEME – CONVENTIONAL CONSTRUCTION



CONCEPTUAL SITE PLAN

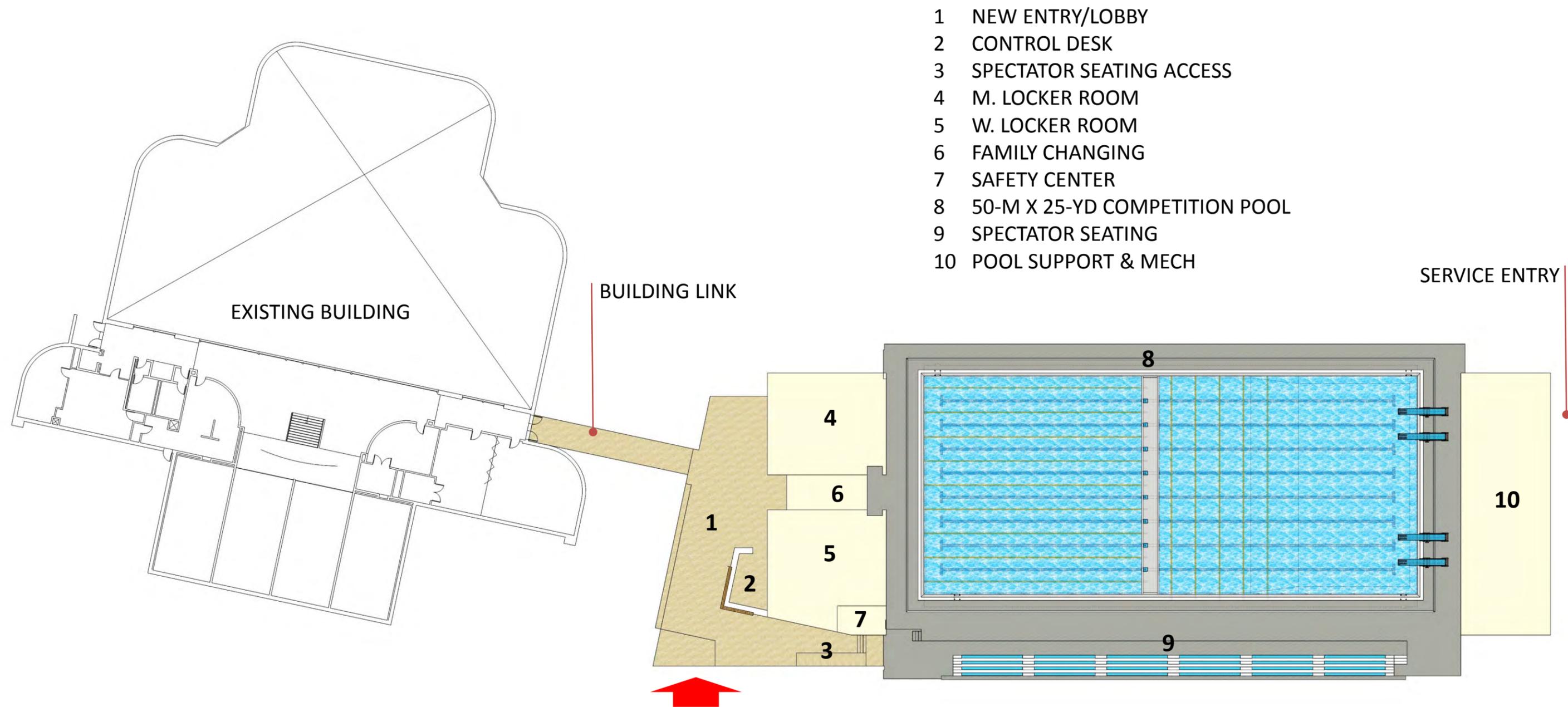


CHINQUAPIN SWIM CENTER
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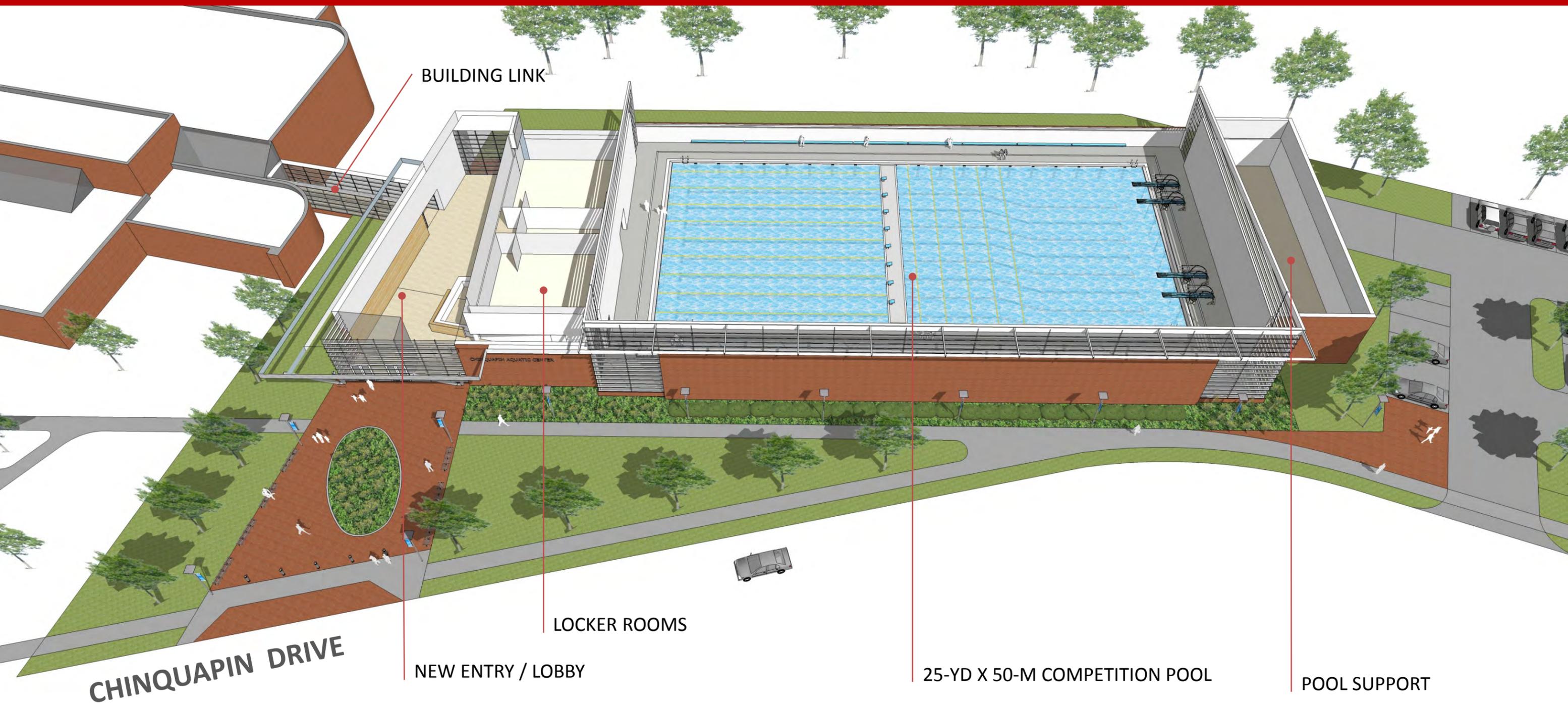
ONE STORY SCHEME – CONVENTIONAL CONSTRUCTION



CONCEPTUAL UPPER LEVEL PLAN



ONE STORY SCHEME – CONVENTIONAL CONSTRUCTION



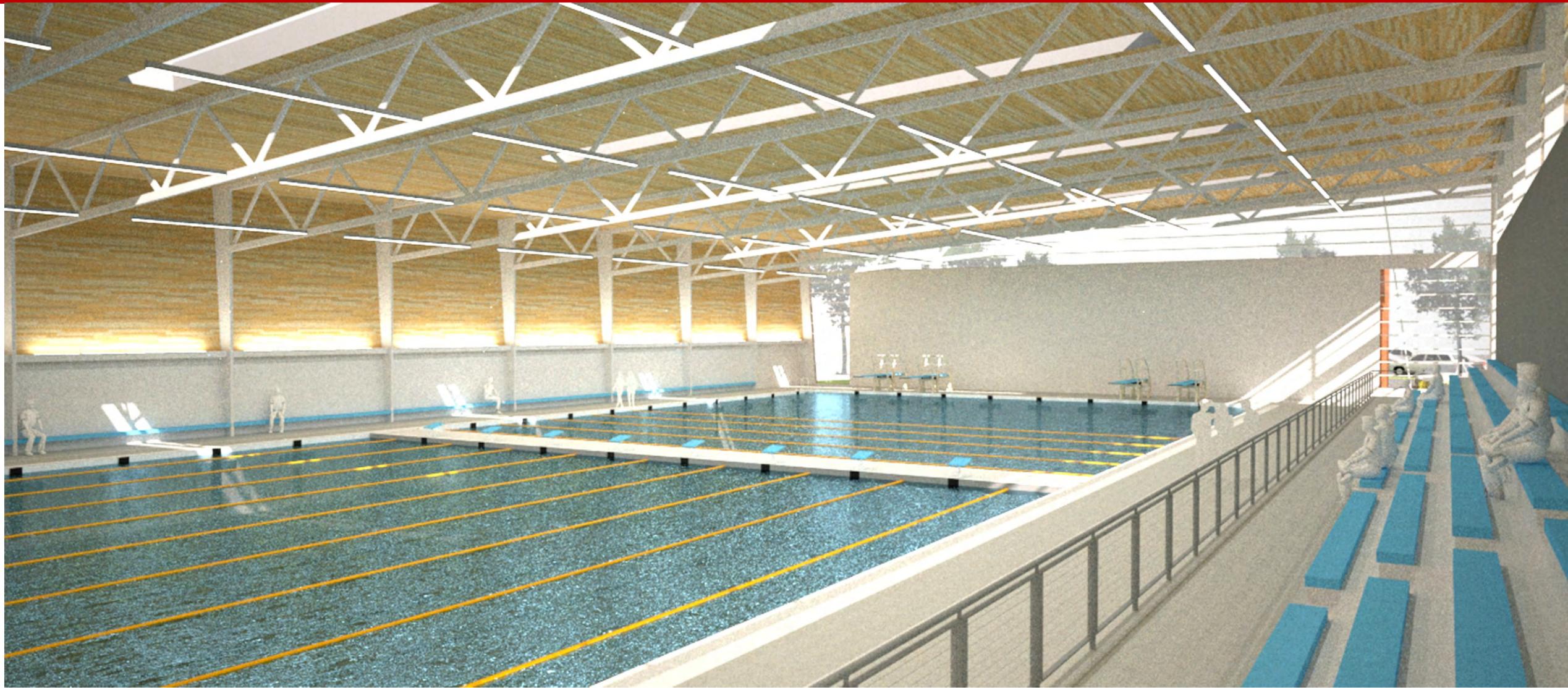
AXONOMETRIC VIEW

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ONE STORY SCHEME – CONVENTIONAL CONSTRUCTION

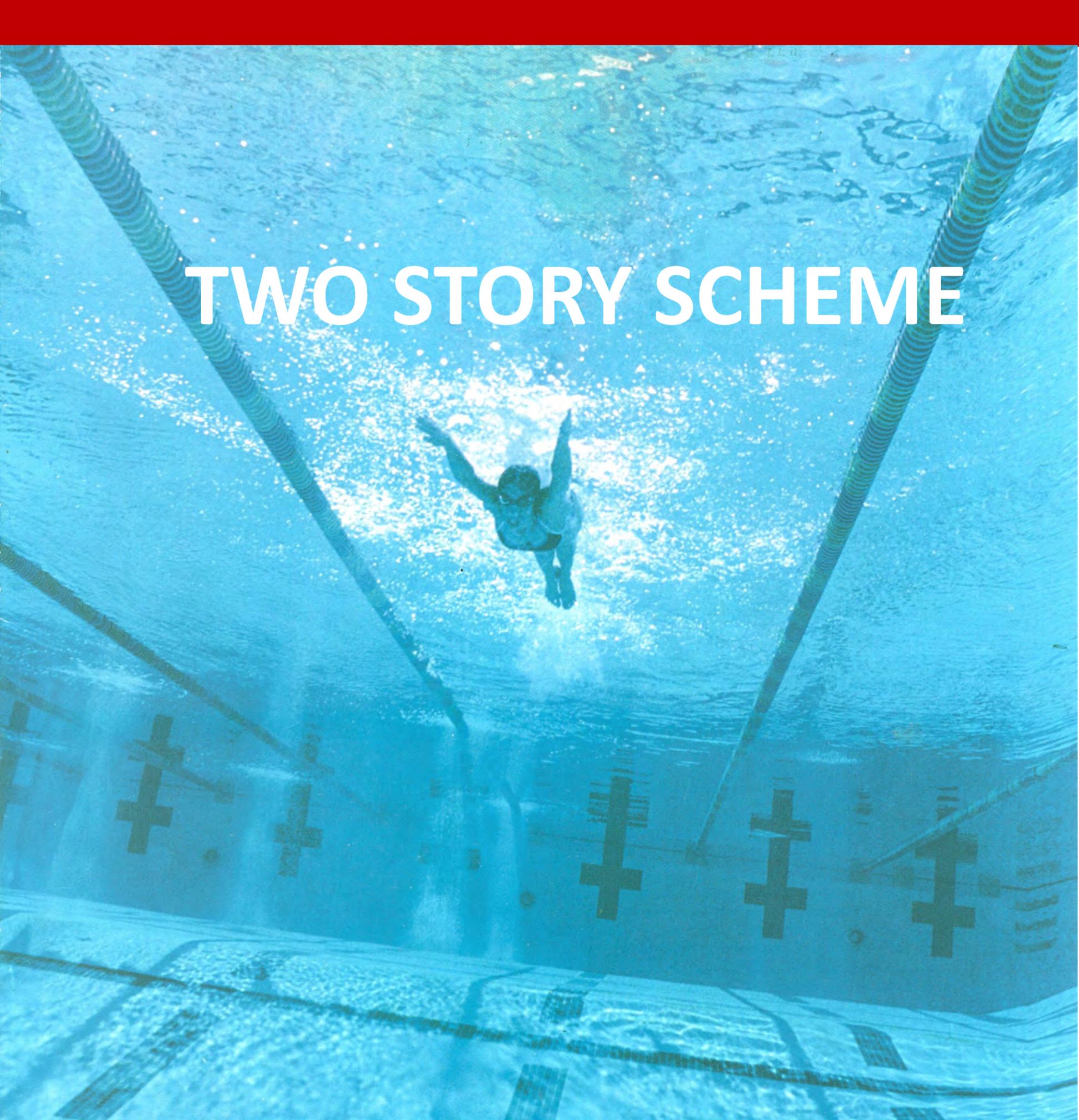


POOL VIEWS

CHINQUAPIN SWIM CENTER
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TWO STORY SCHEME

CHINQUAPIN SWIM CENTER
REVISED CONCEPTS

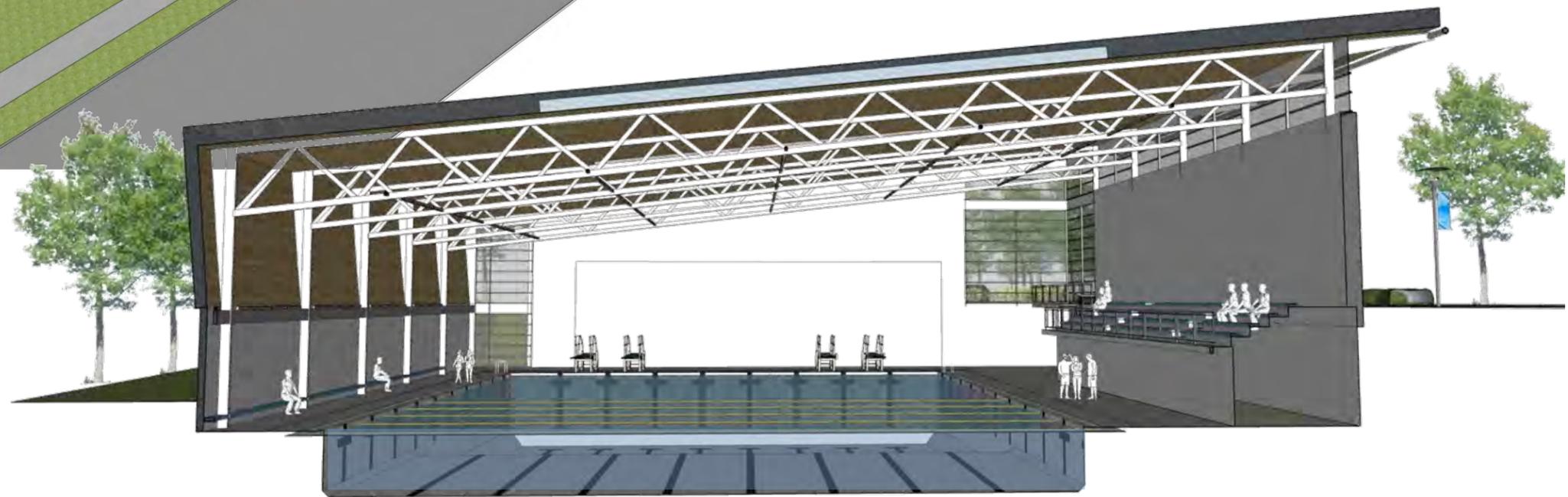
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TWO STORY SCHEME – CONVENTIONAL CONSTRUCTION



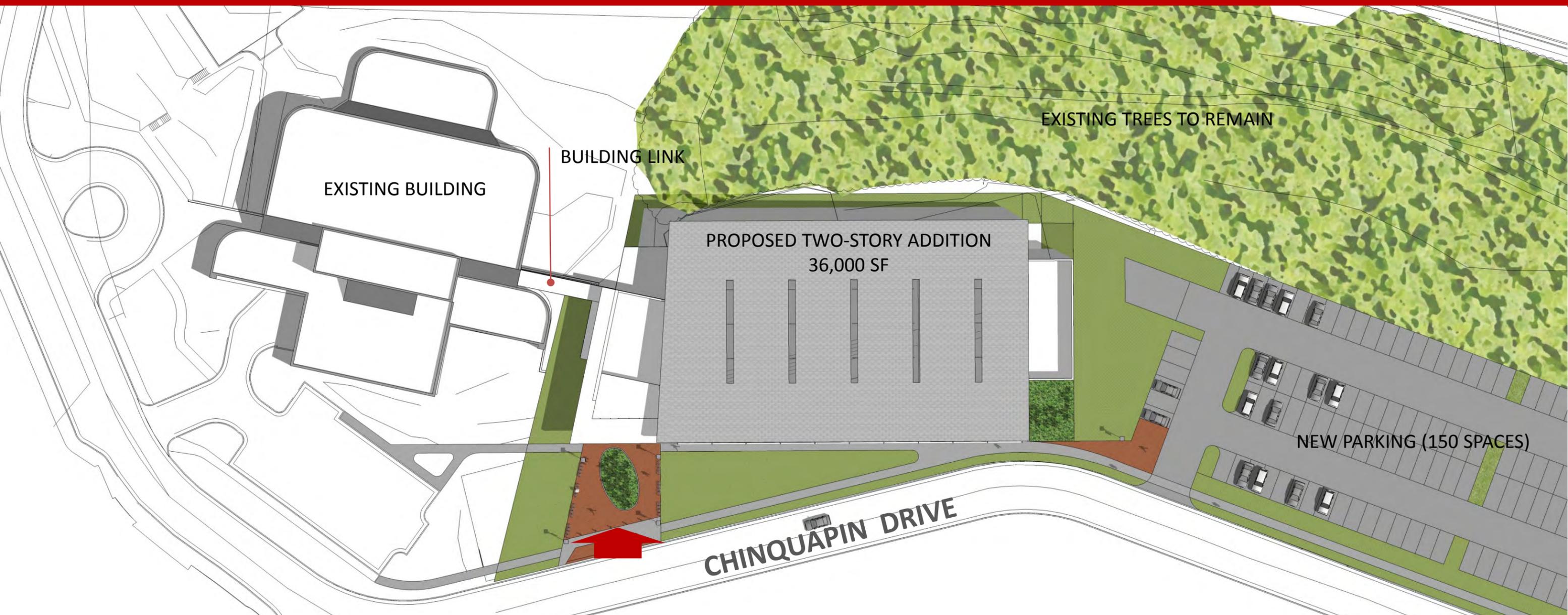
AERIAL VIEW



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TWO STORY SCHEME – CONVENTIONAL CONSTRUCTION



CONCEPTUAL SITE PLAN



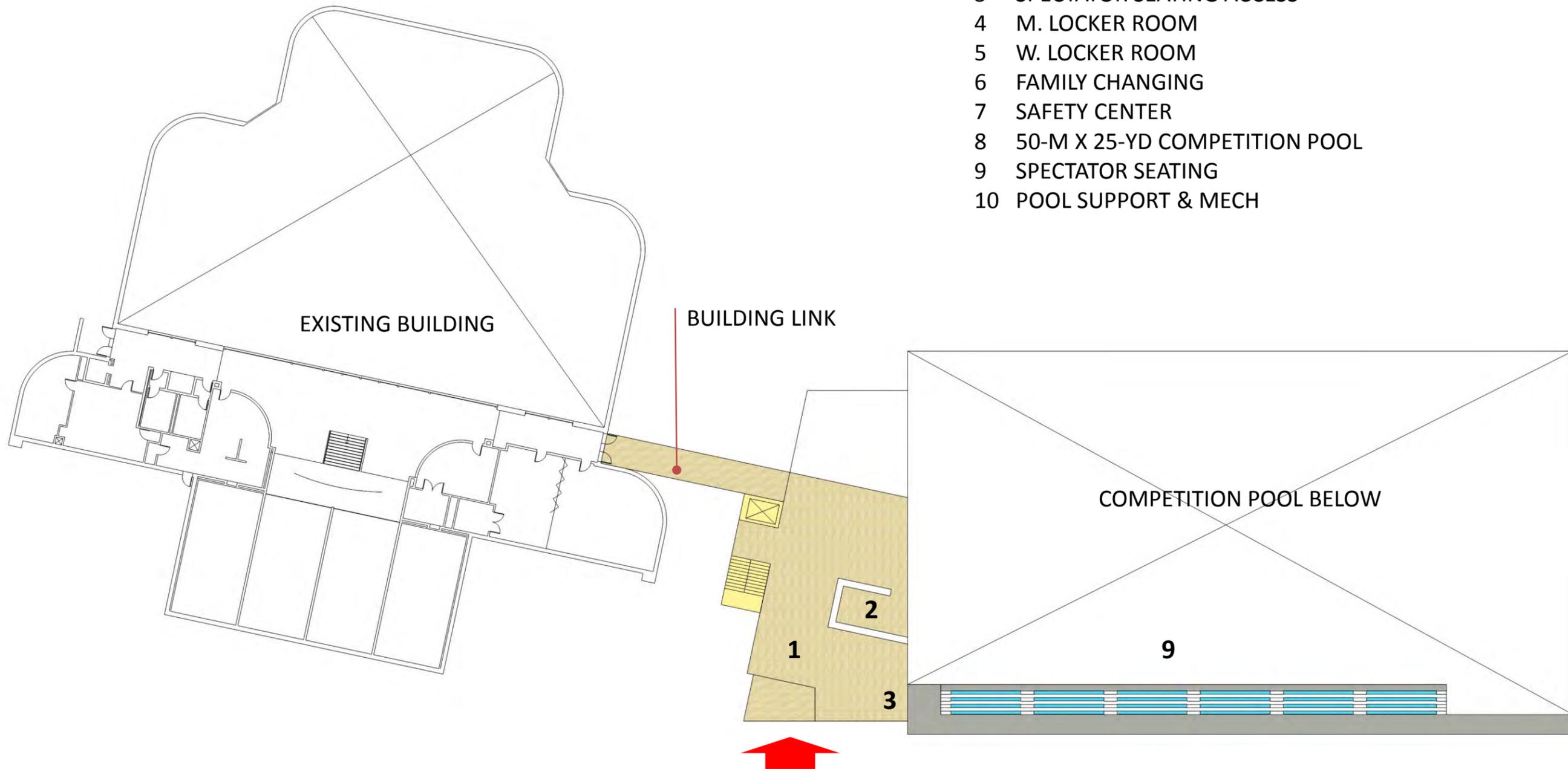
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TWO STORY SCHEME – CONVENTIONAL CONSTRUCTION

- 1 NEW ENTRY/LOBBY
- 2 CONTROL DESK
- 3 SPECTATOR SEATING ACCESS
- 4 M. LOCKER ROOM
- 5 W. LOCKER ROOM
- 6 FAMILY CHANGING
- 7 SAFETY CENTER
- 8 50-M X 25-YD COMPETITION POOL
- 9 SPECTATOR SEATING
- 10 POOL SUPPORT & MECH



CONCEPTUAL UPPER LEVEL PLAN



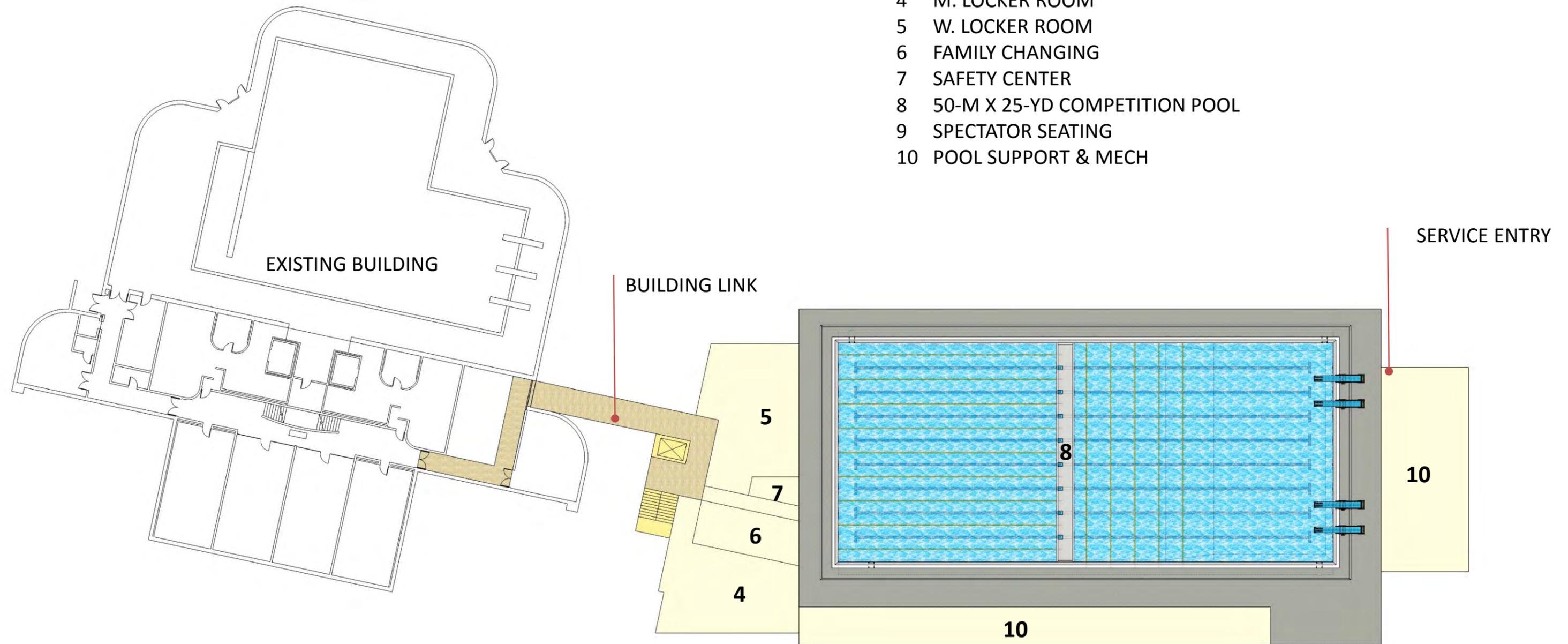
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TWO STORY SCHEME – CONVENTIONAL CONSTRUCTION

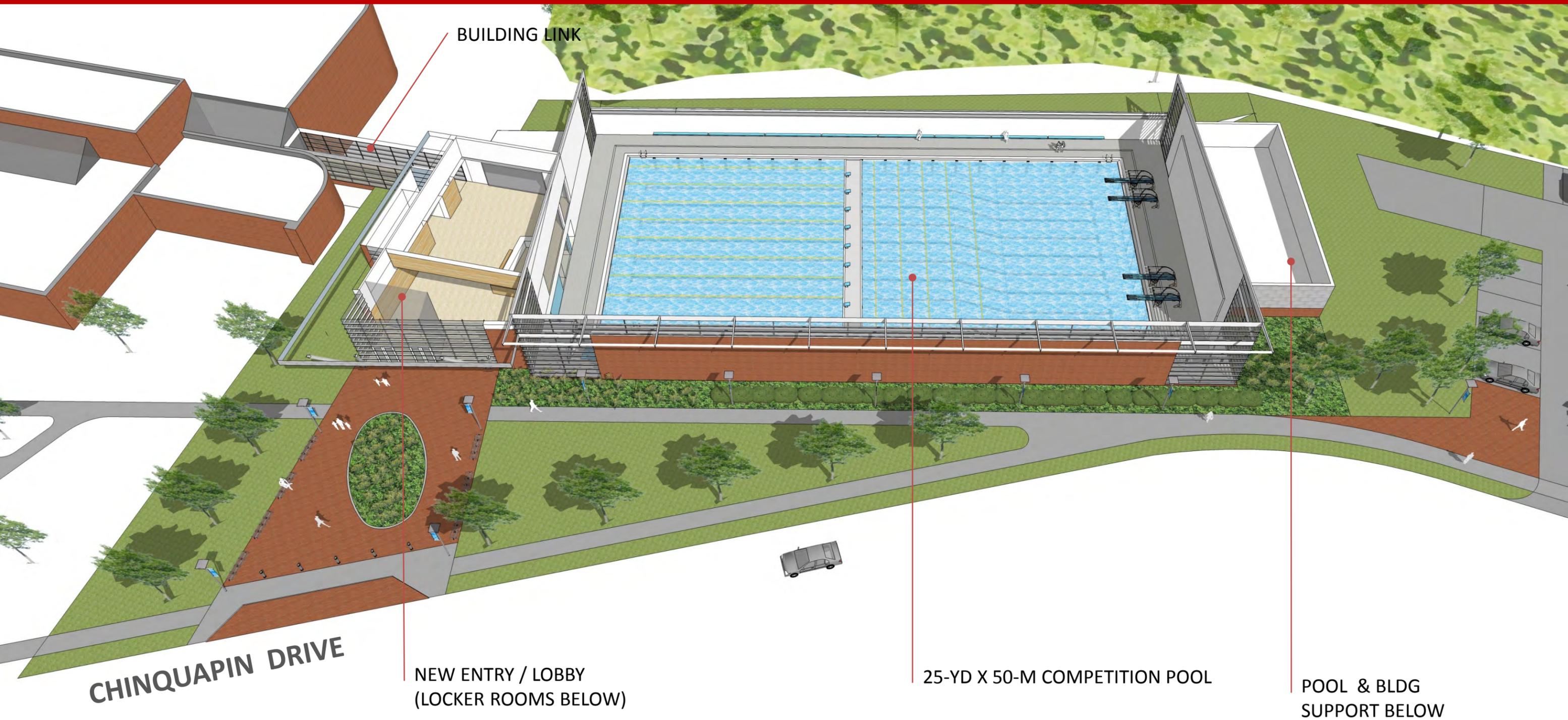
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- 6 FAMILY CHANGING
- 7 SAFETY CENTER
- 8 50-M X 25-YD COMPETITION POOL
- 9 SPECTATOR SEATING
- 10 POOL SUPPORT & MECH



CONCEPTUAL LOWER LEVEL PLAN



TWO STORY SCHEME – CONVENTIONAL CONSTRUCTION



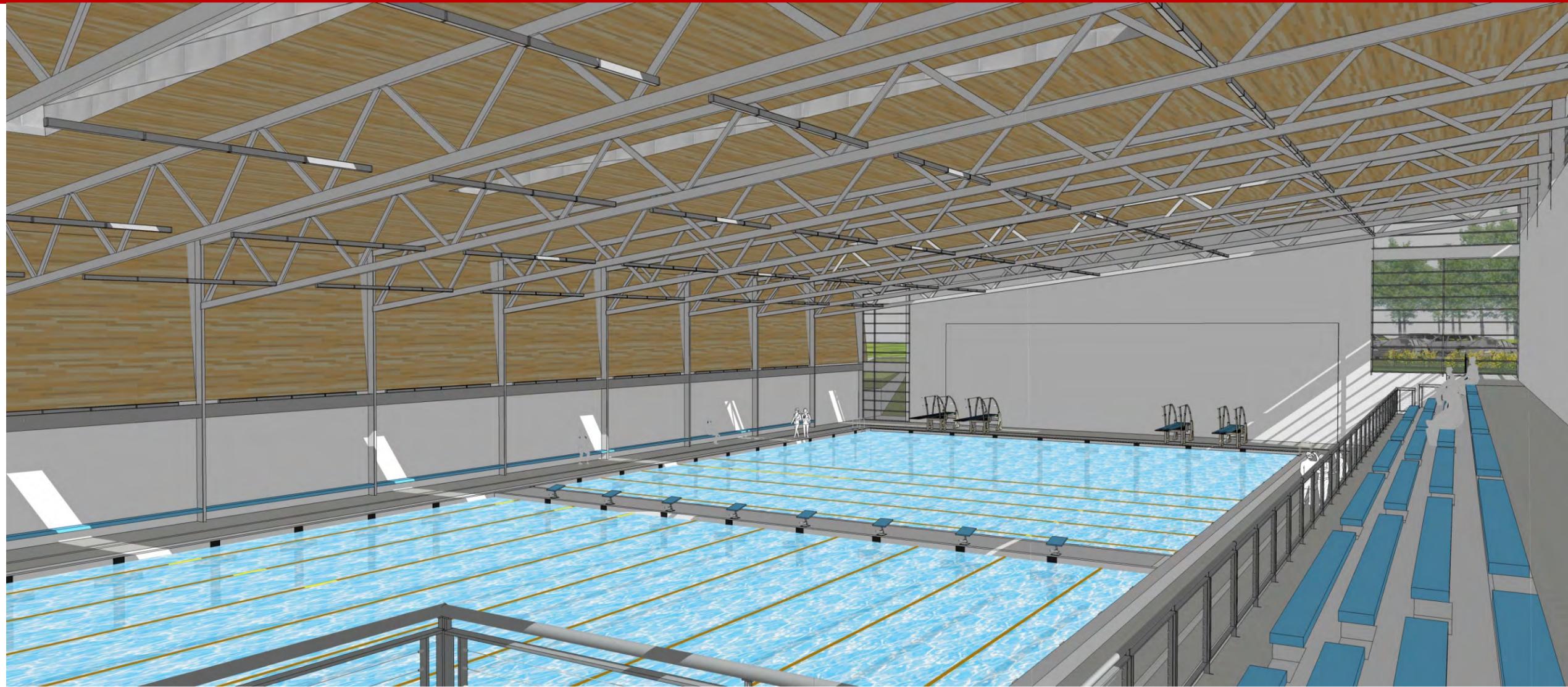
AXONOMETRIC VIEW

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TWO STORY SCHEME – CONVENTIONAL CONSTRUCTION

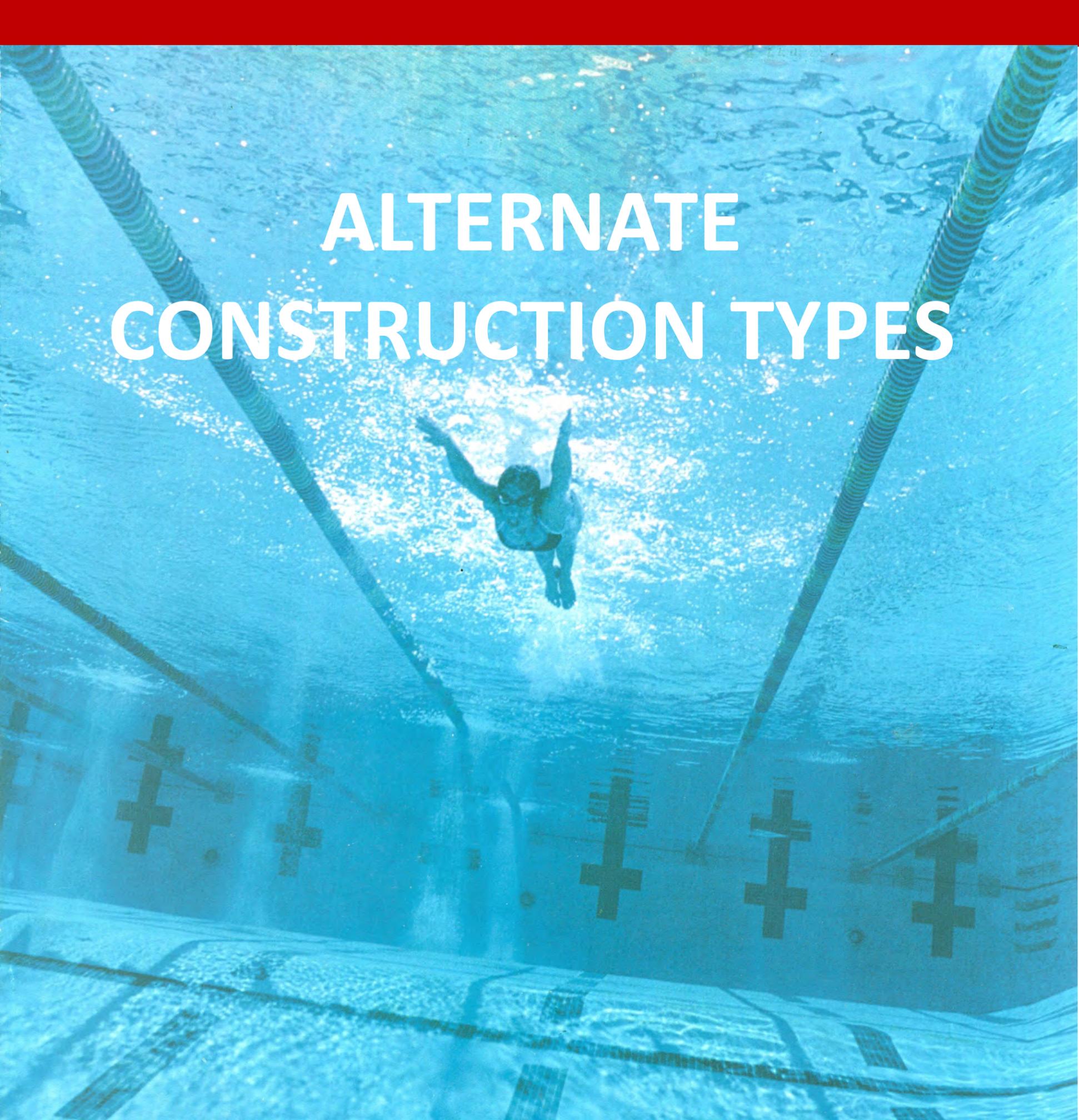


POOL VIEWS

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ALTERNATE CONSTRUCTION TYPES

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Middle Tyger YMCA in Duncan, South Carolina



Middle Tyger YMCA in Duncan, South Carolina



Star Hill Family Athletic Center in Tolland, Connecticut



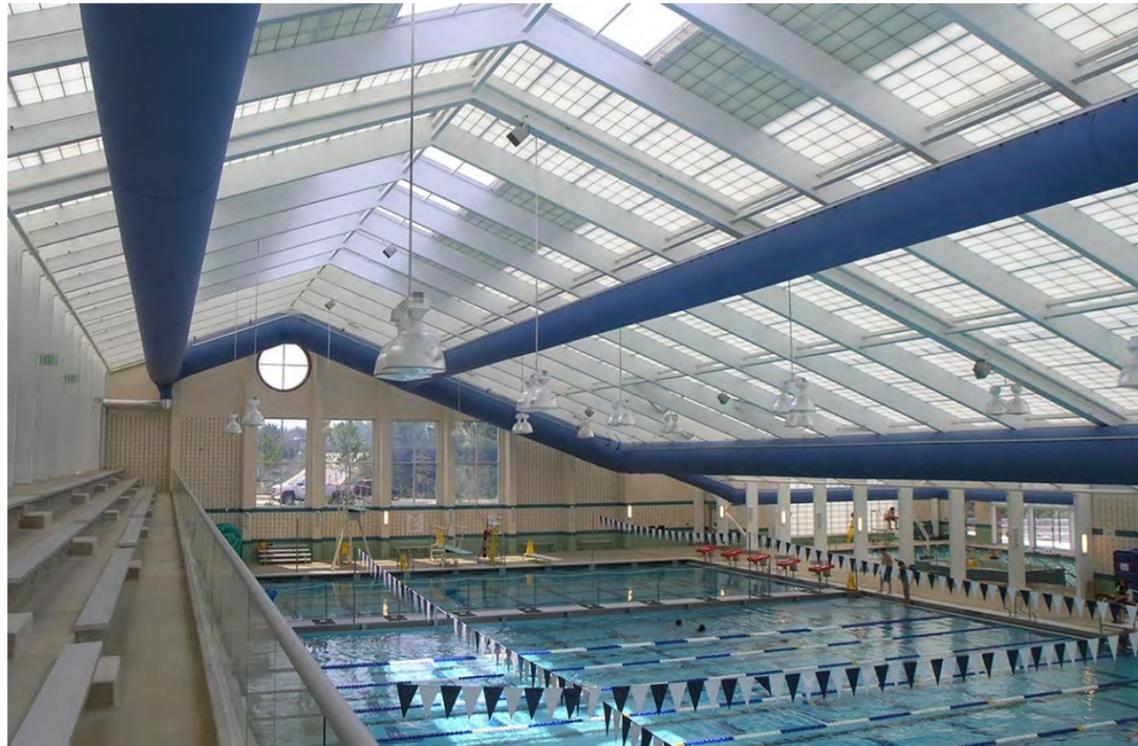
Star Hill Family Athletic Center in Tolland, Connecticut

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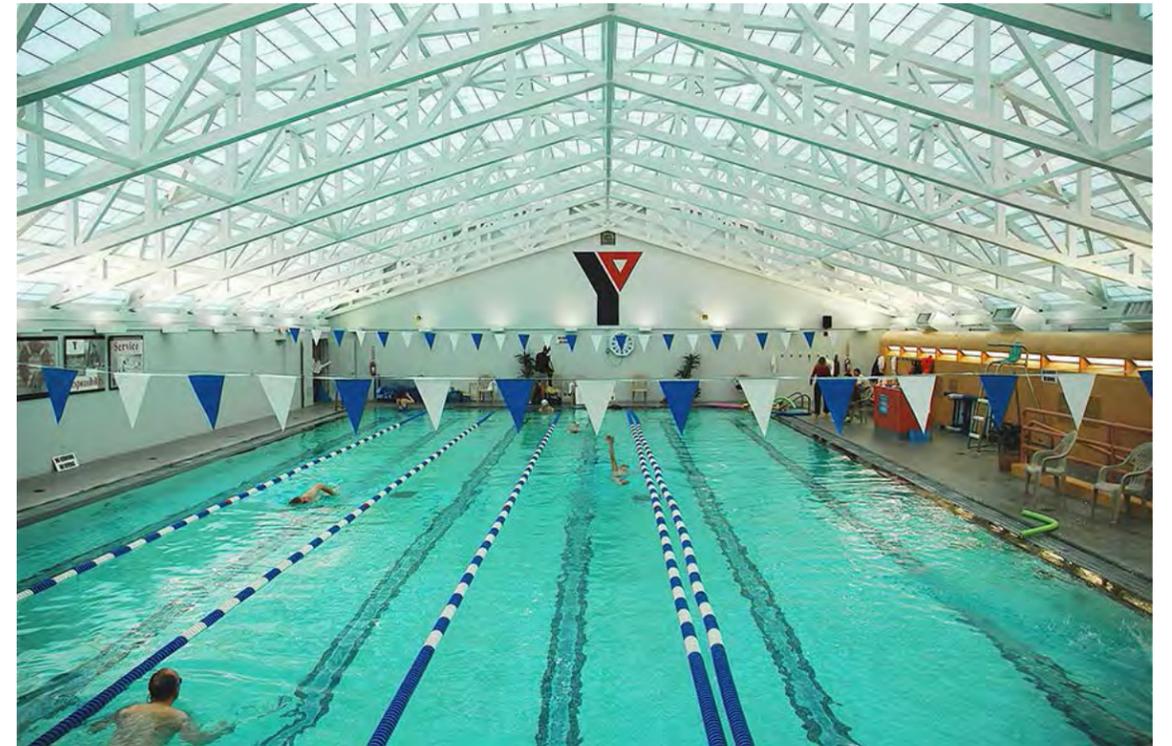
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TRANSLUCENT ENCLOSURE



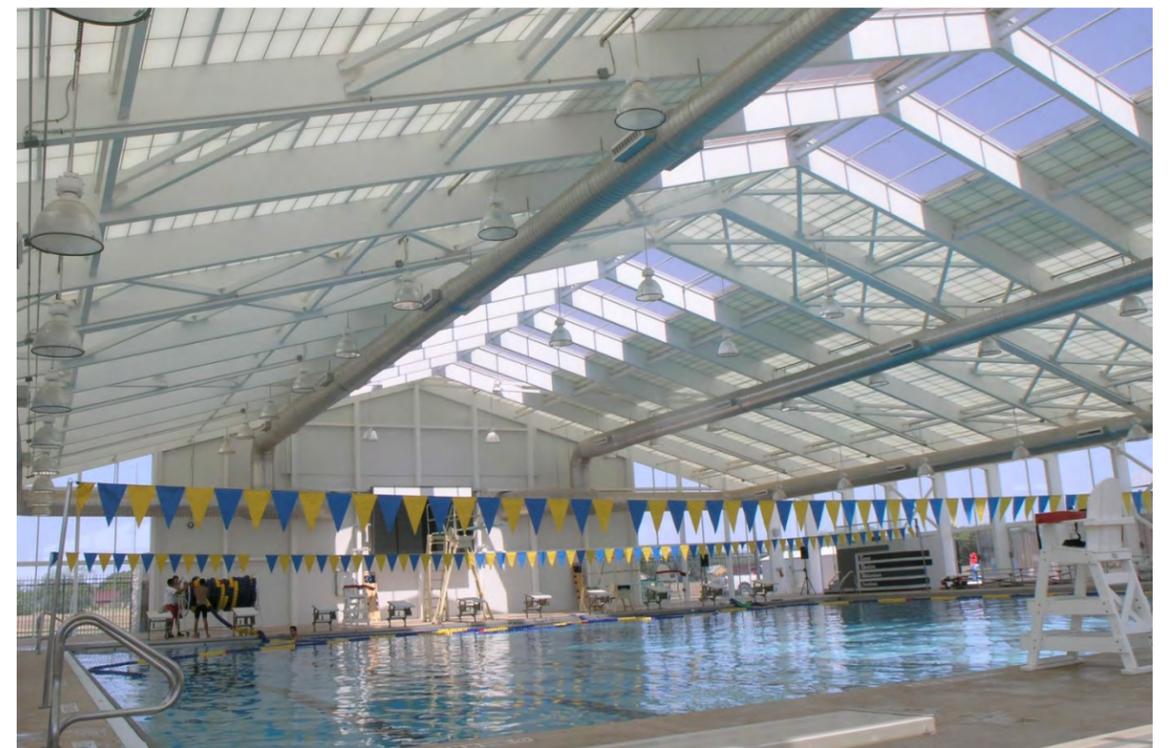
Edward T. Hall Aquatics Center in Prince Frederick, Maryland



YMCA in Portland, Oregon



Pharr Aquatic Center in Pharr, Texas



Pharr Aquatic Center in Pharr, Texas

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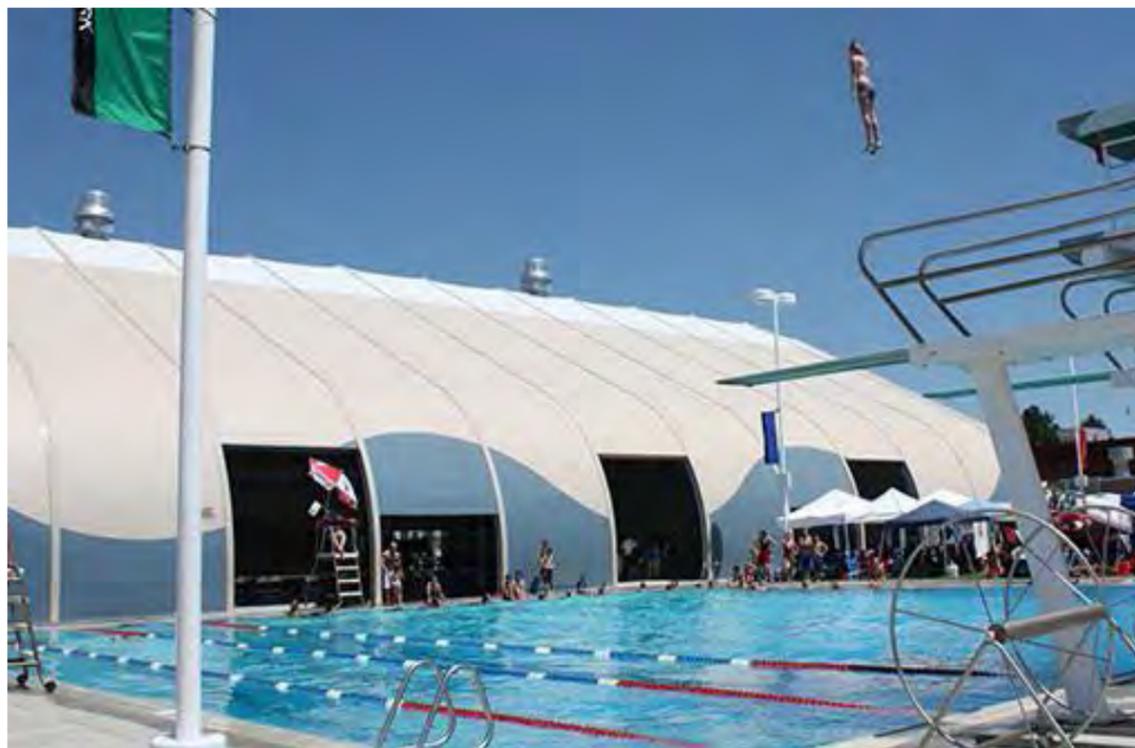
ARCHITECTURAL MEMBRANE STRUCTURE



Collingwood Centennial Aquatic Centre in Ontario, Canada



Collingwood Centennial Aquatic Centre in Ontario, Canada



Kearns Oquirrh Park Fitness Center in Salt Lake City, Utah



Kearns Oquirrh Park Fitness Center in Salt Lake City, Utah

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BUDGET COMPARISON

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BUDGET COMPARISON



One-Story				Two-Story		
Conventional Construction	Pre -Engineered	Translucent Enclosure	Architectural Membrane	Conventional Construction	Pre -Engineered	Translucent Enclosure
\$ 24,534,343	\$ 22,792,415	\$ 25,445,833	\$ 22,026,048	\$ 27,085,318	\$ 25,478,742	\$ 28,281,484



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- At this time, staff recommends pursuing the pre-engineered building (Option B) to move forward through design and construction, if approved in the FY2017-FY2026 budget.
- Option B provides design alternatives that can address more seamless integration with the existing building and an appropriate neighborhood context.



Pre-engineered Structure (YMCA, South Carolina)



Pre-engineered Structure (YMCA, South Carolina)

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The feasibility study is now complete, providing seven alternatives for expanding the Chinquapin Aquatics Center with a new 50 meter indoor pool. Following this update, the next steps for the project are:

- Project updates with the community and the Advocates for Alexandria Aquatics;
- FY2017-FY2026 budget discussions and CIP approval; and
- If approved, begin design and construction of new facility.