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Building comparisons	PVC membrane seasonal building	Universal architectural membrane permanent bldg.	Pre-engineer Steel building	Brick – block – concrete panel type building	Monolithic Concrete Dome building
Building removable for summer use to make pool outdoors	YES	NO	NO	NO	NO
Building insulation estimate in R-factor	5	10	20	25	60+
Building life span under normal conditions – in years	12	15	30	40+	100+
Cost to insure for replacement	MedHigh	MedHigh	Med	Med	VeryLow
Wind resistance – Storm – Tornado - Hurricane	70 MPH	70MPH	90MPH	90MPH	150MPH+
Earthquake resistant	Moderate	Moderate	Low	Low	High++
Snow load on roof – tolerances for weight	Low	Low	Med	MedHigh	High++
Ultra Violet deterioration resistant	Low	Low	Med	MedHigh	High++
Cost to operate expressed in \$ per square ft. per year. – Utilities rural	\$16	\$14	\$12	\$10	\$3
Cost to repair (upkeep) expressed in cents per square ft. per year	\$.10	\$.20	\$.50	\$.40	\$.10
Time to construct building	10 days	4 weeks	3-6 mth	6-8 + mth	2 mths
Is the building leasable	YES	YES	NO	NO	NO
Esthetics – scaled on 1-10 (a10 being highest) - (very subjective)	3	4	6+	9	10
Cost to build expressed in \$ per square ft. – Rural estimate	\$15	\$35	\$145+	\$250++	\$125
HVAC original equipment cost	MedHigh	MedHigh	Med	Med	Low
Design cost – fees and services	Low	Low	Med	High	Med

Some of the things that have to be considered are:

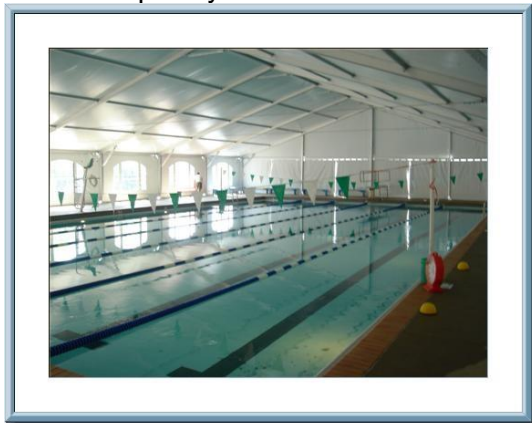
- What is the capital investment limits for the project?
- What are the demographics the facility will serve?
- What are the geographic particulars for your area?
- Is this a phased project or will it be “what you see is what you get”?
- Do you need some pools indoors and some pools outdoors?
- What are your design team’s limitations?
- What are your local code restrictions?

Type of building	32,000 sq.ft	Building Cost	Annual Operational Cost - 4 seasons climate
PVC Membrane seasonal building convertible to outdoors in summer		\$640,000	\$608,000
Arch.Membrane permanent building		\$1,120,000	\$512,000
Pre-engineered steel building		\$4,640,000	\$384,000
Monolithic Concrete Dome building		\$3,900,000	\$224,000

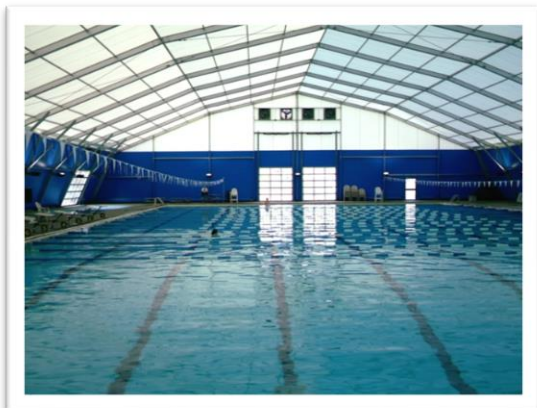
For example:

If you decide on a steel building for the natatorium, the basic operational cost over the first 20 years may be \$7.7 million total with a \$3.7 million cost to maintain and upgrade over that period of 20 years. Compare that to a Monolithic Concrete Dome structure which – over the same period of time – should have a basic operational cost of \$4.4 million with a \$2.2 million cost to maintain and upgrade. Compare \$11.4 million to \$6.6 million and you be the judge. Can you afford to build it and operate it?

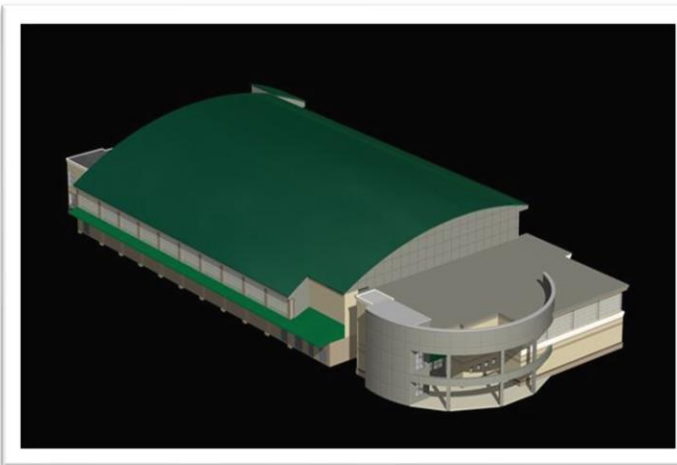
SERG temporary structure >



Universal arch. membrane structure >



Pre-engineered steel structures >



Brick – concrete – structure >



Monolithic Concrete Dome structure >

