

**SECTION 13 11 33
ELEVATED SWIMMING POOL**

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions apply to this Section.

1.2 DESCRIPTION

- A. This Section relates to all Pools.
 - 1. Includes Pool Contractor Qualifications and Responsibility.

1.3 SUMMARY

- A. Extent of Swimming Pool feature work includes complete engineering design, fabrication, and installation of fully operating pools of dimensions shown on the Drawings, and incorporating features shown and specified. Work includes but is not limited to the following:
 - 1. Pool Leak Detection through Structural Vault.
 - 2. Structural Vault Drainage Material installation
 - 3. Structural Foam installation
 - 4. Reinforcing Steel
 - 5. Pneumatically placed concrete inside a structural vault
 - 6. Construction and Removal of Forms
 - 7. Trimming and Finishing
 - 8. Swimming Pool Ceramic Tile
 - 9. ADA Compliant access
 - 10. Deck Equipment and Accessories
 - 11. Cutouts for Steps, Inserts, and Mechanical Equipment
 - 12. Waterproofing inside shell of Pool Structure
 - 13. Interior Pool Finish
 - 14. Complete Swimming Pool Filtration and Water Treatment Systems Including Pumps, Valves, Vacuum System, Connectors, and Necessary Pipe and Fittings, and Incidental Components.
 - 15. Pool Start-Up and Initial Maintenance.

1.4 RELATED SECTIONS

- A. 03 37 14 – Shotcrete for Pools
- B. 07 14 17 – Cold Fluid-Applied Waterproofing for Pools
- C. 09 30 14 – Tiling for Pools
- D. 09 97 27 – Cementitious Coating for Pools

1.5 POOL CONTRACTOR RESPONSIBILITY

- A. The Pool Contractor shall have control and responsibility to the General Contractor for the work required to result in a fully functioning commercial-institutional Public Use Swimming Pool as defined in the Contract Documents.
 - 1. The General Contractor shall not subcontract any part of the specified Swimming Pool construction or pool equipment to anyone other than a bonded pool subcontractor meeting all requirements of this and related Sections.

1.6 POOL CONTRACTOR QUALIFICATION

- A. Pool Contractor shall submit evidence of qualifications to the General Contractor and Aqua Design International with or in advance of bid so that the General Contractor and Aqua Design International can be assured prior to the bid that the Pool Contractor complies with the following qualification requirements.
 - 1. Evidence of successful experience in the construction of Elevated Swimming Pools similar in scope and complexity to the aquatic structures required for this project with respect to:
 - a. Not less than 700 square feet of water surface area.
 - b. Skimmer Type Pools
 - c. Automated chemistry control systems.
 - d. Suspended Pool Construction in Structural Vault
 - 2. Provide a list of not less than three (3) comparative Semi-Public/Public Use Aquatic facilities complete with verified names, addresses, telephone numbers of the Government representative, the Contracting Officer, the mechanical, electrical, and plumbing subcontractors, and the general contractor.
 - 3. Provide narrative description of each comparative listed pool facility, including but not limited to date of construction start and completion, water surface area, type of deck or skim gutter system, type and size of filtration system, type and size of water treatment system, and type of automatic control and interlock system.

1.7 PRODUCT DATA SUBMITTAL

- A. Includes manufacturer's material and finish data, installation instructions, and general recommendations for each specified product.

1. Submit each product item with a completed Submittal Form Cover page to Aqua Design International via the General Contractor for review to verify compliance with specified/keynoted products.
 - a. Aquatic System Submittal Form (www.aquadesign.net/marketing.asp)
 - b. Aquatic System Submittal Form Example.

1.8 SHOP DRAWING SUBMITTAL

- A. Shop Drawings (where requested) of item specified showing layout, profiles, methods of joining, and anchorage details.
 1. Submit each shop drawing with a completed Submittal Form Cover page to Aqua Design International via General Contractor for review to verify compliance with specified/keynoted product and plan designs.
 - a. Aquatic System Submittal Form (www.aquadesign.net/marketing.asp)
 - b. Aquatic System Submittal Form Example.

1.9 WARRANTY

- A. The shell of the Swimming Pool and all related work shall be warranted against cracking or failure to hold water for a period of one (1) year from the date of Substantial Completion, provided the pool is kept full of water except for a period of 10 days per year for maintenance, the water table is not above the lowest point of the pool, the structure is not damaged by earthquake, earth or earth fill movement, or conditions not occasioned by the Contractor.
- B. All equipment shall be warranted by the manufacturer for a minimum of two (2) years following the date of Substantial Completion.
- C. Warrant finish surfaces and finishes for two (2) years against delamination.
- D. Organize warranty documents into an orderly sequence based on the table of contents.
 1. Bind warranties in heavy-duty, three-ring, vinyl-covered, loose-leaf binder, thickness as necessary to accommodate contents, and sized to receive 8-1/2 – inch by 11 –inch paper.
 2. Provide heavy paper dividers with plastic-covered tabs for each separate warranty. Mark tab to identify the product or installation. Provide typed description of the product or installation, including the name of the product and the name, address, and telephone number of the installer.
 3. Identify each binder on the front and spine with the typed or printed title "WARRANTIES," Project Name, and name of Contractor.
 4. Scan warranties and assemble complete warranty submittal package into a single indexed electronic PDF file. Provide table of contents at beginning of document.

1.10 OPERATION AND MAINTENANCE DELIVERABLES

- A. MANUALS, GENERAL

1. Coordinate with Project Architect as to the desired media type and quantity to provide:
 - a. Printed Format in Binders
 - b. Files on a Compact Disc
 - c. Files on a Flash Drive
2. Contents: Organize into manageable size. Arrange contents alphabetically by system, subsystem, and equipment.
 - a. Include a section for Operating Standards:
 - 1) Operating procedures
 - 2) Operating logs
 - 3) Wiring diagrams
 - 4) Piped systems diagrams
 - 5) Precautions against improper use
 - b. Include a Section for Maintenance:
 - 1) Product information
 - 2) Maintenance Procedures
 - 3) Repair Instructions, materials and sources
 - 4) Re-ordering information
 - 5) Spare Parts List.

PART 2 - PRODUCTS

2.1 NOT USED

PART 3 - EXECUTION

3.1 NOT USED

END OF SECTION