San Rafael City Schools
Swimming Pool Modernization Presentation
November 1, 2022

Dennis Berkshire, ADG  and  Daniel Zaich, SRCS
AQUATIC DESIGN GROUP: FIRM PROFILE

- Firm Founded in 1984
- Industry Involvement:
  - Competitive Facilities
  - Recreational Facilities
  - Leisure Facilities
- 500 Completed High School Pools
- Over 3,000 Completed Projects
ADG DESIGNED POOLS

- 11 World Records
- 26 American Records
- 39 U.S. Open Records
- 21 Olympic Trial Meet Records
- USA Swim Nat. Championship 6 of Last 10 Years in Calf.
- 5 of 6 @ ADG Designs
Typical Area High School Programs

- Competitive Swimming
- Water Polo
- Physical Education
- Local Swim Teams
- Community Uses
Pool Design Considerations

- Pool Size
- Water Depths
- Gutter Configuration
- Deck Area Requirements
- Outdoor Storage Spaces
- Indoor Storage Spaces
- Ancillary Buildings Code Requirement of Bathrooms within 300-feet of Pool
Cantilever Gutter

Rim-Flow Gutter
<table>
<thead>
<tr>
<th>FEATURE</th>
<th>30-Meter</th>
<th>35-Meter</th>
<th>40-Meter</th>
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</thead>
<tbody>
<tr>
<td>Length</td>
<td>98’</td>
<td>115’</td>
<td>131’</td>
<td>164’</td>
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<td>108</td>
<td>138</td>
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<td>Number of 8’ Lanes</td>
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<td>16</td>
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<td>96</td>
<td>120</td>
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<tr>
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<td>433</td>
<td>495</td>
<td>617</td>
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<tr>
<td>Wall Goal H₂O Polo</td>
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<td>3</td>
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<td>108’</td>
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<tr>
<td>Maximum Occupancy</td>
<td>310</td>
<td>408</td>
<td>469</td>
<td>617</td>
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<td>Wall Goal H₂O Polo</td>
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<td>2</td>
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</table>
Amador Valley High School
San Ramon, California : 30-Meter
Mountain View High School
Mountain View, California : 35-Meter
Tamalpais High School
Larkspur, California : 40-Meter
Adelanto High School
Adelanto, California: 50-Meter
Ontario High School
30-Meter

- Surface Area: 7,483 SQ. FT.
- Perimeter: 358 FT.
- Depth: 3'-6" TO 13'-0"
- Volume: 469,223 GAL.
- 6 HR Turnover: 1,303 GPM
33-Meter
35-Meter
40-Meter
50-Meter
NOTE: Minimum distance from goal line to pool wall recommended to be a minimum of 1.66 meters.

Hereinafter set forth, information on the diagrams in this book is suggestive only; it is not required by NFHS rules. The construction and layout of all venues used for high school competition are subject to any controlling laws and building codes, and to the sound judgement of the persons in charge of the facilities.
30-M Pool Annual Utility Operating Cost $ 160,000

35-M Pool Annual Utility Operating Cost $ 185,000

40-M Pool Annual Utility Operating Cost $ 215,000

50-M Pool Annual Utility Operating Cost $ 265,000
Terra Linda High School Swimming Pool

Pool Deck 140’ x 100’ Maximum Pool Size 33-Meters
Terra Linda High School Swimming Pool

Pool Deck 140’ x 100’ Maximum Pool Size 33-Meters
San Rafael High School Swimming Pool
San Rafael High School Swimming Pool

Pool Deck 116’ x 114’ Maximum Pool Perpendicular Size 50-Meters
San Rafael High School Swimming Pool

Pool Deck 116’ x 114’ Maximum Pool Perpendicular Size 50-Meters
Thank You!