

EMPLOYERS REQUIREMENTS - PHASE 1

ZD CONTRACTOR DESIGNED NEW HYDROTHERAPY POOL INSTALLATION

GENERAL ITEMS

- ZD 1000 The Main / Principal Contractor is responsible for ALL the designs and works in connection with the Hydrotherapy Pool installation.
- ZD 1005 The Main / Principal Contractor shall appoint a Specialist Pool Installer. The Specialist Pool Installer shall also be responsible for the design of the Hydrotherapy Pool Installations as required by the Employer's Requirements.
- ZD1010 An Employer's / Sub Contractor Collateral Warranty is required with the Specialist Pool installer. The Employer's Requirements, including drawings and specifications, have been drawn up in such a way so as to identify the Specialist Pool installers design and installation responsibilities under the Collateral Warranty. The identification of the Specialist Pool installers responsibility under the Collateral Warranty does not relieve the Main / Principal Contractor from the responsibility to the Employer for ALL the design and works in connection with the Hydrotherapy Pool installation.
- ZD1020 Where Employer's Requirements Specifications & Drawings in connection with the Hydrotherapy Pool installations include the phrase "By Others" these works, along with all the other designs & works within the Specification / Drawings, are the responsibility of the Main Contractor / Principal Contractor.
- ZD1030 Where Employer's Requirements Specifications & Drawings in connection with the Hydrotherapy Pool installations include the phrases "By Building Contractor" or "By Build Contractor", "By MEP Contractor" or "By M&E Contractor", these works, along with all the other designs & works within the Specification / Drawings, are the responsibility of the Main / Principal Contractor
- ZD1040 Where Employer's Requirements Specifications & Drawings in connection with the Hydrotherapy Pool installations include the phrases "By Controls Specialist", these works, along with all the other designs & works within the Specification / Drawings, are the responsibility of the Main / Principal Contractor
- ZD1050 Prior to contract, the Main / Principal Contractor and the Specialist Pool Installer shall finalise who is to be responsible for which works / designs included within the Employer's Requirements and confirm to the Employer accordingly.
- ZD1060 The Employer's Requirements given below shall be read in conjunction with the drawings, technical requirements and specifications

POOL

- ZD2000 Provide Pool including the pool lining and supporting structure comprising base frame, panels and also including waterproof PVC strips / link plates

POOL (Cont'd)

ZD2010 Provide Pool Staircase together with Stainless Steel Handrail

ZD2020 Provide Pool Bench in stainless steel

ZD2030 Provide Pool Ballet Bar in stainless steel

ZD2040 Provide Insulated Electrically Operated Pool Cover

BALANCING TANK

ZD3000 Provide Balancing Tank

ZD3010 Provide all Channels & Grating serving balancing tank including "L" Profile

ZD3020 Provide all Pipework, Valves & Vacuum Point in connection with the Balancing Tank

ZD2303 Provide all Pumps In connection with the Balancing Tank

ZD3040 Provide 2nr Manholes in connection with the Balancing Tank

ZD3050 Provide all other Balancing Tank Works / Equipment

POOL FILTRATION SYSTEMS

ZD4000 Provide Filtration Inlets To Pool

ZD4010 Provide all Pipework & Valves in connection with the Filtration Systems

ZD4020 Provide all Filtration System Pumps including Macerator Sump Pump

ZD4030 Provide Outlet Sumps

ZD4040 Provide filtration system UV Unit

ZD4050 Provide Flocculation Station

ZD4060 Provide all Backwash Drainage

ZD4070 Provide Pellet Pro Unit & Dosing Pumps

ZD4080 Provide CO2 Dosing System & Cylinders

ZD4090 Provide Pool Hydro jets

ZD4100 Supply All Chemicals Required including 1 months Supply after practical completion

POOL FILTRATION SYSTEMS (Cont'd)

ZD4110 Provide Bib Taps & Hoses to 2nr Chemical Stores

ZD4120 Provide All Other Pool Filtration Works / Equipment

ZD4130 All Design values and equipment selection are to be made through specific reference to the minimum standards put forward in the Pool Water Treatment Advisory Group (PWTAG) publication, PAS 39, EN 13451 as well as other such standards, codes of practice and relevant guidance. System performance is to be validated at commissioning when the adjustments needed to achieve the desired water quality are made and the resultant settings recorded.

ELECTRICAL INSTALLATIONS SERVING NEW HYDROTHERAPY POOL

ZD5000 Provide Underwater Pool Lighting

ZD5010 Provide Electrical Equipment Relating To Filtration Systems

ZD5020 Provide Electrical Supplies and Conduit To All Other Plant and Equipment

ZD5030 Provide All Bonding Works Required In Connection With All Equipment including Pool Structure, Staircase, Handrails etc

POOL HEATING REQUIREMENTS

ZD6000 Provide Pool Heating System complete as Employer's Requirements Including Drawing SLP2012-01.01

POOL VENTILATION REQUIREMENTS

ZD7000 Allow For Changes To Designs And Works Included On Mechanical Engineers Services Drawings & Specifications To Meet The Employer's Requirements For Ventilation in connection with the Hydrotherapy Pool Installation (see Employer's Requirements drawings SLP2012-21.01)

INSULATION

ZD7500 Provide For Insulation To Pool Structure, Pipework, Pipework Accessories, Equipment Etc

BUILDERS WORK

- ZD8000 Provide Ladder To Pump Pit
- ZD8010 Provide Safety Handrailing To Pump Pit
- ZD8020 Provide Davit Hoist To Pump Pit
- ZD8030 Provide For Changes To Designs And Works Included On Structural Engineers Drawings To Meet The Employer's Requirements For The Hydrotherapy Pool Installation. The Changes In Designs And Works Include Adjustment To Pump Pit Depth, Hardcore, Backfill Materials, Pea Gravel, Concrete Bases, Plinths, Structures Serving The Pool, Pool Sumps and Balance Tank (see Employer's Requirements drawings SLP2012-00.01 & SLP2012.20.02)
- ZD8040 Provide For PVC Membrane Below Surrounding Floor Finishings
- ZD8050 Provide For Grouting To Pool Structure
- ZD8060 Provide For Soundproofing of Pool Plant Room
- ZD8070 Provide For Back Wash Drainage Connections
- ZD8080 Provide For Plinths Serving Pumps, Strainers, Heat Exchangers etc
- ZD8090 Provide for trenches where required
- ZD8100 Provide For All Internal And External Safety / Emergency Action Notices together with No Smoking and Hazard Warning Signage Relating To Pool and Pool Plant Rooms
- ZD8110 Provide For Effluent Drainage
- ZD8120 Provide For Additional Builders Work Requirements As Specified On The Employer's Requirements Drawings / Specifications But Not Listed Above
- ZD8130 Provide For Other Builders Work Requirements Not Specified On The Employer's Requirements Drawings / Specifications But Required By The Specialist Pool Installer To Complete The Hydrotherapy Pool Installations

TESTING OF INSTALLTION AND COMMISSIONING

- ZD8500 Allow For Testing and Commissioning All Systems, Installations and Equipment Relating To The Hydrotherapy Pool and Pool Plant & Chemical Store Rooms
- ZD8510 Pipe Test certificates shall be required showing pipes tested to 2bar for 1 Hour minimum. For buried pipework all pipes tested after pipe installation before backfilling of pipe trench immediately after backfilling. A third test may be required if deemed necessary by the CA. One test required in Plant room pipework after installation

TESTING OF INSTALLTION AND COMMISSIONING (Cont'd)

ZD8520 On completion provide Operating Manual, Commissioning Handover Certificates & "As Fitted" Drawings giving full details of the systems and the service requirements of the equipment.

OTHER WORKS

ZD9000 Provide for other works relating to The Hydrotherapy Pool Installation which are included within drawings and specifications but not listed above

WORK OUTSIDE CONTRACTOR'S SITE BOUNDARY

ZD9500 Provide for working outside the Contractor's Site Boundary in order to complete the Hydrotherapy Pool Installation