

TAMWORTH REGIONAL AQUATIC CENTRE AND NORTHERN INLAND CENTRE OF SPORT AND HEALTH (STAGE 1)

COST OF WORKS

Cost of Works

The following works have been estimated as below, noting that all amounts are exclusive of GST. The values have been derived from a number of sources, including internal allocation of Council expenses, actual lump sum contract sums, Council planning cost calculator, and formal quantity surveyor cost estimates.

ID	Task	Amount	Estimation Method
1	Project Management	225,000	Internal Council costs.
2	Superintendent	450,000	Contract value with consultant.
3	Client's Consultants (Leisure, Legal, Geotechnical, Survey, Planning, Cost)	195,020	Contract values with consultants.
4	Authority Fees and Headworks Charges	364,877	Estimated costs using Council's planning calculator.
5	Design	1,179,350	Contract values with consultants.
6	Construction – TRAC and NICSH Stage 1	38,731,462	QS Cost Plan
7	Construction – Overheads, Preliminaries, and Margin	2,904,860	QS Cost Plan
8	Scope Contingency – Reductions of value-add items	- 3,948,429	Breakdown below using QS rates.
9	Project Contingency – Including Scope Contingency Reductions	4,897,860	-
Capital Investment Value (Estimate)		45,000,000	

Notes to Cost of Works

It is expected that the project team works with the Lead Designer and Main Contractor during the project to work with a 'scope contingency' based on advice from the Quantity Surveyor, to ensure that the project is delivered for the \$45 million budget amount. This requires the use of both project cash contingency and project scope contingency. These project scope contingency items are identified value-add elements of the project that can be removed without impacting the objectives of the project or the centre of excellence philosophy of the facility.

Project Scope contingency is broken up into two phases;

- Phase 1 – Items which are quantifiable which are likely to be removed from the scope and included as optional items for the Main Contractor; and
- Phase 2 – Items which are unable to be quantified and will include alternate items utilised in construction, such as altered flooring material, reduced extent of feature walls throughout, change in lighting materials etc. These will be the main items to workshop through with the Main Contractor in order to manage the \$45 million budget.

Estimates for the Phase 1 scope contingency items are provided below, providing an additional \$3,948,429.60 in contingency for the project in addition to the cash contingency:

- Removal of creche – 115m² @ \$3,584.03/m² = \$412,163.45
- Reduction of administration area of NISCH – 135m² @ \$3,584.03/m² = \$483,844.05
- Removal of external cladding to concrete walls – 2,262m² QS allowance = \$707,320
- Reduction in extent of front façade metal sheet – 50% of QS allowance = \$163,350
- Removal of awning and slab to the west of the aquatics hall – 140m² @ \$2,200/m² = \$308,000
- Removal of landscaping and entry plaza activation infrastructure (other than carpark shade trees and front garden beds) – QS allowance = \$222,350
- Reduction in dry area circulation corridor width by 1m – 70m² @ \$3,584.03/m² = \$250,882.10
- Reduction in depth of carpark pavement (600mm to 200mm which is standard Tamworth pavement) – 60% reduction of QS allowance = \$741,840
- Reduction in capacity of electrical substations (upgrade required for Stage 2) = 40% reduction of QS allowance = \$440,000
- Reduction in extent of carpark footpaths by 50% - 50% of QS allowance = \$218,680

Cost Management

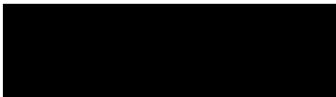
QS estimates are to be developed at every design phase. The design contract has been structured to allow for the QS estimates to impact on the design elements i.e., increased or decreased ancillary scope and embellishments to address changing project estimates.

The design finalisation and construction contract will be structured similar to the lead designer contract, generally to allow for this project budget to be managed through mandatory scope items to achieve the project objectives and optional scope items (Phase 1 and 2 scope contingency) to provide ancillary added benefit and embellish the facility. The final scope will be based on maximising project benefit utilising the available budget.

This all ensures that the Capital Investment Value will be approximately \$45 million.

If there are any queries, please do not hesitate to contact the undersigned.

Regards,



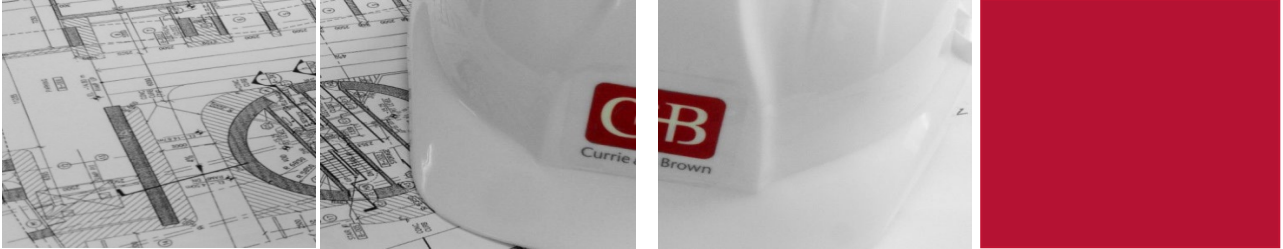
Callum Fletcher
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Tamworth Regional Council

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29 July 2024

Attachment

Cost Plan – Currie and Brown



Cost Plan Rev 2

Tamworth Council

Tamworth Regional Aquatic Centre

8/07/2024

The sole purpose of the estimate is to reasonably determine a project value that is consistent with current market rates. The passage of time, the manifestation of latent conditions or impacts of future events may require further examination of the project and subsequent data analysis, and re-evaluation of the data, findings, observations, and conclusions expressed in this estimate ("Tamworth Regional Aquatic Cost Plan"). Currie & Brown has prepared this Tamworth Regional Aquatic Cost Plan in accordance with the usual care and thoroughness of the consulting profession, for the sole purpose described above and by reference to applicable standards, guidelines, procedures, and practices at the date of issue of this Estimate. For the reasons outlined above, however, no other warranty or guarantee, whether expressed or implied, is made as to the data, observations and findings expressed in this Tamworth Regional Aquatic Cost Plan, to the extent permitted by law. This Tamworth Regional Aquatic Cost Plan should be read in full, and no excerpts are to be taken as representative of the findings. No responsibility is accepted by Currie & Brown for use of any part of this Tamworth Regional Aquatic Cost Plan in any other context.

Summary of Estimate

Client Name: Tamworth Council
Project Name: Tamworth Regional Aquatic Centre



Report Date: 8/07/2024

Amended by TRC for additional exclusions and differing risk profile

Deterministic Estimate

Item	Details	Qty	Unit	Rate (ex GST)	Total (ex GST)
A	Direct Cost				
1	Demolition / Relocation	1	Item		\$ 40,000.00
2	Bulk Excavation	1	Item		\$ 599,735.00
3	Substructure	1	Item		\$ 4,978,579.69
4	Indoor Pools	1	Item		\$ 2,621,958.78
5	Superstructure	1	Item		\$ 3,821,200.40
6	Roofing	1	Item		\$ 3,461,345.24
7	External Wall, Glazing and FAÇADE	1	Item		\$ 1,961,640.60
8	EXTERNAL DOORS	1	Item		\$ 128,500.00
9	INTERNAL WALLS	1	Item		\$ 577,720.00
10	INTERNAL SCREENS	1	Item		\$ 360,190.00
11	INTERNAL DOORS	1	Item		\$ 235,000.00
12	WALL FINISHES	1	Item		\$ 1,788,602.50
13	FLOOR FINISHES	1	Item		\$ 1,290,675.00
14	CEILING FINISHES	1	Item		\$ 1,181,720.00
15	FITMENTS	1	Item		\$ 269,800.00
16	BUILDING SERVICES	1	Item		\$ 5,721,261.00
17	CARPARK	1	Item		\$ 2,312,078.68
18	LANDSCAPING	1	Item		\$ 620,265.00
19	Stormwater Drainage	1	Item		\$ 433,675.93
20	EXTERNAL SERVICES	1	Item		\$ 162,660.00
21	Pool Specific Equipment	1	Item		\$ 6,144,854.38
22	Substation Works- Essential Energy	1	Item		\$ 20,000.00
	Sub-Total (A)				\$ 38,731,462.20
B	Indirect Cost				
B.1	Head Contractor Preliminaries, Overheads, Margin	1	lump sum	\$ 2,904,859.66	\$ 2,904,860
	Sub-Total (B)				\$ 2,904,859.66
	Sub-Total (A+B)				\$ 41,636,321.86
C	Escalation				\$ -
D	Shared & Transferred Risk and Opportunities				
D (i)	Deterministic Risk				\$ -
	Total Cost (A+B+C+D)				\$ 41,636,322

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Comments

Includes adjustment for moveable floor and

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These are the head contractors costs taken as 7.5% of the construction cost. Highly variable based on ultimate contractor

Escalation excluded with lump sum awarded within 8 months.

Risk management by project, not head contract

Benchmarking

Client Name: Tamworth Council
Project Name: Tamworth Regional Aquatic Centre



Report Date: 8/07/2024

Deterministic Estimate					

	THIS PROJECT	
	Direct Cost	Sell Cost
Benchmarking check	\$ / m2	\$ / m2
Pool	\$ 5,111.43	\$ 6,363.74
Building	\$ 2,878.74	\$ 3,584.03
Carpark	\$ 283.00	\$ 352.33
Benchmarking check	THIS PROJECT	
	\$ / m2 of new pool	
All-in rate for Pool Development Project	\$	32,310.26
	OTHER PROJECTS	
	\$	22,733.33 Regional NSW
	\$	27,288.30 Sydney
	\$	60,606.06 VIC - bespoke architectural / WHS shutdown
	\$	107,142.86 Sydney - outlier / disaster project
	\$	70,880.00 Sydney - bespoke architectural
	\$	35,000.00 Sydney
	\$	13,402.26 Regional NSW Project 1 - funded to this value - project not started due to i
	\$	13,402.26 Regional NSW Project 2 - same outcome as above in Project 1

Basis of Estimate

Project Name
Project Number

Tamworth Council
Tamworth Regional Aquatic Centre

Report Date: 8/07/2024

No	Description	Note	Where Addressed
1	Project Information The project is the construction of a major aquatic and sports health centre development located near Tamworth NSW.		
2	Estimating team: Currie & Brown - Earl Carroll - Quantities / Estimate Currie & Brown - Leslie Gamage - Estimate Currie & Brown - William Xie - Estimate Currie & Brown - Adam Sutton - Reviewer / Checker Currie & Brown - Rob Watkins - Reviewer		
3	Background of the project Project is in the Preliminary Concept Design phase. The project information has been provided by the architect CO-OP to Currie & Brown in order to develop the estimate.		
4	Scope of the project The project includes: - Relocation of existing sewer - Stormwater drainage including: • New OSD Tank • New large sumps • New pipes and pits - New aquatic and sports health centre including: • New 50m Pool • New Pool hall to house pool. • New Warm Water Pool • New Aquatic Plant room • Sports Health Centre area • New Gym Area • New associated facilities and amenities (change rooms, reception etc) • New large solar array on the roof (49kW system + 18kW system + 271kW system) • New supporting services, including mechanical, hydraulic, electrical and fire services. • New Carpark, including 38 EV chargers. - Landscaping		
	Key features of the project		
	Size of the Site Project type (greenfield vs brownfield)	~38000m2 Greenfield (new site) Aquatic and sports health centre, including significant features: - 50m Pool - Pool hall - Warm Water Pool - Aquatic plant room - Civic areas (sports health) - Solar array OSD Tank Carpark	Refer to Full Estimate Tab
	New structures required		
	Existing structures that need to be modified		
	Demolition Contaminated materials	Nil Minimal demolition works expected No expected contaminated materials Cleaning and grubbing and tree protection requirements; Water way nearby Sensitive noise receptors	Refer to Full Estimate Tab Refer to Full Estimate Tab
	Environmental issues		
	Aboriginal impacts Archaeological impacts	Nil areas identified as being disturbed. Normal protocols and plans of management will need to be in place. None expected	
	Utility adjustment	Protection to existing services Relocation of sewer line running through the site. Electrical connection required including substation connection.	
	Construction issues Noise treatment and noise walls Property acquisition Environmental offset Intelligent transport system	Acoustic allowance made based on acoustic design. Nil Nil Nil	
5	Methodology The estimate was developed utilising the following methods: - Quantification - utilising the software CostX the quantities were determined from the provided documentation, including drawings and reports. - First Principles estimating based on current market rates for people, plant, equipment, and materials for the delivery of the project;		
6	Assumptions For specific line item assumptions, refer to the "Estimate" tab This cost plan is based on Tier 2 or Tier 3 subcontractor delivery. Assumed non-contaminated ground conditions for the entire site.		
7	Exclusions and exceptions Property acquisition - both temporary and permanent Financing costs - it is assumed that no cost is required in relation to financing. Future works - excludes any works related to future system upgrades		
8	Allowances Items noted as allowances or provisional have been assumed based on previous projects and are characteristic of the anticipated scope for this project while not necessarily being indicated on the plans. Further design and investigation is needed prior to the finalisation of these items. As stated within the estimate, refer to the "Estimate" tab. Additionally other items are noted in the "Estimate Status" tab.		
9	Utilities Protection to existing services Relocation of sewer line running through the site. Electrical connection required including substation connection.		
10	Property Acquisition No allowance - no works identified		
11	Risks Risks have been incorporated on a deterministic basis pending risk workshoping and analysis Some noted risks are: Undesirable outcomes from geotechnical conditions identified by contractor (E.g. Contaminated Land, rock etc)		
12	Variances N/A		
13	Outturn dollars This estimate is in present worth as of Q1 2025FY.		
14	Estimate Quality Assurance This estimate was prepared and checked via the Currie & Brown QA processes.		
15	Estimate Accompanying Documents & Attachments The following documentation forms the basis of this estimate The "Estimate" (Tamworth RAG - BOQ) Quantity Take-Off Sheets (refer to TABS) Drawings / Sketches / Reports		

Embodied Carbon Quantities

Client Name: Tamworth Council
Project Name: Tamworth Regional Aquatic Centre

Report Date: 8/07/2024

Step 2: Quantity of materials

From estimate
Fill out blue cells

Material category	Sub-category 1	Sub-category 2	Sub-category 3	Value	Unit of measure	
Structure						
Coverage of structural material spend	-	-	-	98.01	%	
Concrete in-situ	≤10 MPa	-	-		m³	
Concrete in-situ	>10 MPa to ≤20 MPa	-	-	3.428	m³	Concrete 20
Concrete in-situ	>20 MPa to ≤32 MPa	-	-		m³	
Concrete in-situ	>32 MPa to ≤40 MPa	-	-	3.084	m³	Concrete 40
Concrete in-situ	>40 MPa to ≤50 MPa	-	-		m³	
Concrete in-situ	>50 MPa to ≤60 MPa	-	-		m³	
Concrete in-situ	>60 MPa to ≤80 MPa	-	-		m³	
Concrete in-situ	>80 MPa to ≤100 MPa	-	-		m³	
Concrete in-situ	>100 MPa	-	-		m³	
Concrete pre-cast panel	-	-	-	1,220	m³	Precast
Concrete block	Hollow core	-	-		m³	
Concrete block/brick	Solid	-	-	8	m³	Concrete Block
Concrete block/brick	Solid AAC	-	-		m³	
Mortar	-	-	-		kg	
Reinforcing steel	Bar & mesh	-	-	600,786	kg	Reo B&M
Reinforcing steel	Fibre & strand	-	-	64,981	kg	Reo FRP
Structural steel	Hot rolled structural	-	-	104	t	Hot Rolled Steel
Structural steel	Cold formed structural	-	-	233	t	Cold Formed Steel
Structural steel	Other welded structural	-	-		t	
Structural steel	Plate	-	-		t	
Structural steel	Sheet	-	-		t	
Stainless steel	-	-	-		t	
Reinforced concrete piles	Concrete	-	-	119	m³	Concrete Piles
Reinforced concrete piles	Steel reinforcing	-	-	23,750	kg	Reo Piles
Steel piles	-	-	-		t	
Timber poles/piles	-	-	-		m³	
Timber (solid)	Sawn softwood	-	-		m³	
Timber (solid)	Sawn hardwood	-	-		m³	
Timber (engineered)	CLT	-	-		m³	
Timber (engineered)	Glulam	-	-		m³	
Timber (engineered)	LVL	-	-		m³	
Timber (engineered)	OSB	-	-		m³	
Brick	Heat cured	-	-		m³	
Structural Insulated Panel (SIP)	Steel outer	-	-		m²	
Structural Insulated Panel (SIP)	Aluminium outer	-	-		m²	
Structural Insulated Panel (SIP)	Engineered timber outer	-	-		m²	
Fill	-	-	-		t	
Sand & gravel	-	-	-		t	
Waterproofing membrane	Bituminous	-	-	4,720	m²	WP - Bituminous
Waterproofing membrane	Polyethylene	-	-	3,908	m²	WP - PVC Membrane
Other structural (Describe and add unit >>)		-	-			
Other structural (Describe and add unit >>)		-	-			
Other structural (Describe and add unit >>)		-	-			

Envelope

Coverage of envelope material spend	-	-	-	92	%	
Roof cladding	Profiled steel	-	-		m²	
Roof cladding	Profiled aluminium	-	-	6,808	m²	Roof Cladding - Aluminium
Roof cladding	Profiled zinc	-	-		m²	
Roof cladding	Membrane	-	-		m²	
Roof cladding	Tiles (traditional clay)	-	-		m²	
Roof cladding	Tiles (concrete)	-	-		m²	
Roof cladding	Other (Please describe >>)		-		m²	
Wall cladding	Bricks (heat cured)	-	-		m²	
Wall cladding	Bricks (air dried)	-	-		m²	
Wall cladding	Bricks (under fired)	-	-		m²	
Wall cladding	Bricks (concrete)	-	-		m²	
Wall cladding	Mortar and render	-	-		kg	
Wall cladding	Profiled steel	-	-	269	m²	Profiled steel
Wall cladding	Profiled aluminium	-	-	2,968	m²	Profiled aluminium
Wall cladding	Profiled zinc	-	-		m²	
Wall cladding	GRC cladding	-	-		m²	
Wall cladding	Timber weatherboards	-	-		m²	
Wall cladding	Fibre cement board	-	-		m²	
Wall cladding	Terracotta	-	-		m²	
Wall cladding	Brick tiles / veneers	-	-		m²	
Wall cladding	Plasterboard	-	-		m²	
Wall cladding	Plywood	-	-		m²	
Wall cladding	Other (Please describe >>)		-		m²	
Windows & doors	Aluminium frame	Single glazed	-		m²	
Windows & doors	Aluminium frame	Double glazed	-	48	m²	W&D - Alum - Double
Windows & doors	Aluminium frame	Triple glazed	-		m²	
Windows & doors	Timber frame	Single glazed	-		m²	
Windows & doors	Timber frame	Double glazed	-		m²	
Windows & doors	Timber frame	Triple glazed	-		m²	
Windows & doors	uPVC frame	Single glazed	-		m²	
Windows & doors	uPVC frame	Double glazed	-		m²	
Windows & doors	uPVC frame	Triple glazed	-		m²	
Windows & doors	Frameless	Single glazed	-		m²	
Windows & doors	Frameless	Double glazed	-		m²	
Windows & doors	Frameless	Triple glazed	-		m²	
Windows & doors	Other (Please describe >>)		-		m²	
Curtain wall	Single skin façade	Glazed panel	Single glazed		m²	
Curtain wall	Single skin façade	Glazed panel	Double glazed	615	m²	Curtain Wall - Double Glaze
Curtain wall	Single skin façade	Glazed panel	Triple glazed		m²	
Curtain wall	Single skin façade	Opaque panel	Aluminium cladding		m²	
Curtain wall	Single skin façade	Opaque panel	GRC cladding		m²	
Curtain wall	Single skin façade	Opaque panel	Insulated shadow box		m²	
Curtain wall	Single skin façade	Opaque panel	Brick cladding		m²	
Curtain wall	Single skin façade	Opaque panel	Stone cladding		m²	
Curtain wall	Double skin façade	Glazed panel	Single glazed		m²	
Curtain wall	Double skin façade	Glazed panel	Double glazed		m²	
Curtain wall	Double skin façade	Glazed panel	Triple glazed		m²	
Curtain wall	Double skin façade	Opaque panel	Aluminium cladding		m²	
Curtain wall	Double skin façade	Opaque panel	GRC cladding		m²	
Curtain wall	Double skin façade	Opaque panel	Insulated shadow box		m²	
Curtain wall	Double skin façade	Opaque panel	Brick cladding		m²	

Curtain wall	Double skin façade	Opaque panel	Stone cladding		m²		
Curtain wall	Other (Please describe >>)		-		m²		
Stick-framed wall system	Aluminium frame	Glazed section	Single glazed		m²		
Stick-framed wall system	Aluminium frame	Glazed section	Double glazed		m²		
Stick-framed wall system	Aluminium frame	Glazed section	Triple glazed		m²		
Stick-framed wall system	Aluminium frame	Opaque section	Aluminium cladding		m²		
Stick-framed wall system	Aluminium frame	Opaque section	GRC cladding		m²		
Stick-framed wall system	Aluminium frame	Opaque section	Insulated shadow box		m²		
Stick-framed wall system	Aluminium frame	Opaque section	Brick cladding		m²		
Stick-framed wall system	Aluminium frame	Opaque section	Stone cladding		m²		
Stick-framed wall system	Steel frame	Glazed section	Single glazed		m²		
Stick-framed wall system	Steel frame	Glazed section	Double glazed		m²		
Stick-framed wall system	Steel frame	Glazed section	Triple glazed		m²		
Stick-framed wall system	Steel frame	Opaque section	Aluminium cladding	1,515	m²		Steel Frame - Alum Cladding
Stick-framed wall system	Steel frame	Opaque section	GRC cladding		m²		
Stick-framed wall system	Steel frame	Opaque section	Insulated shadow box		m²		
Stick-framed wall system	Steel frame	Opaque section	Brick cladding		m²		
Stick-framed wall system	Steel frame	Opaque section	Stone cladding		m²		
Stick-framed wall system	Other (Please describe >>)		-		m²		
Wall louvre system	Aluminium	-	-		m²		
External shading system	Aluminium frame	Aluminium cladding	-		m²		
External shading system	Aluminium frame	GRC cladding	-		m²		
External shading system	Aluminium frame	Terracotta cladding	-		m²		
External shading system	Aluminium frame	Stone cladding	-		m²		
External shading system	Aluminium frame	Pre-cast concrete	-		m²		
External shading system	Aluminium frame	Timber	-		m²		
External shading system	Aluminium frame	Glass (opaque)	-		m²		
External shading system	Aluminium frame	Steel	-		m²		
External shading system	Other (Please describe >>)		-		m²		
Roller doors	Steel profile	-	-	17	m²		Roller doors - Steel
Roller doors	Hardwood over steel	-	-		m²		
Roller doors	Softwood over steel	-	-		m²		
Revolving doors	Glass/aluminium/steel	-	-		no.		
Fire-rated doors	Engineered timber	-	-		no.		
Fire-rated doors	Steel	-	-	2	no.		Fire-rated doors - Steel
Fire-rated doors	Aluminium/glass	-	-		no.		
Insulation	Glass wool / fibreglass	-	-		m²		
Insulation	Stone wool	-	-		m²		
Insulation	Polyester	-	-		m²		
Insulation	Expanded polystyrene	-	-		m²		
Insulation	Other (Please describe >>)		-		m²		
Other (Please describe and add unit >>)		-	-				
Other (Please describe and add unit >>)		-	-				
Other (Please describe and add unit >>)		-	-				

Permanent internal walls and doors

Interior wall (permanent)	Steel (light framing)	-	-	89	%		
Interior wall (permanent)	Timber framing	-	-	106	t		Int. Wall - Steel Frame
Interior wall (permanent)	AAC panel (reinforced)	-	-		m²		
Interior wall (permanent)	Concrete-filled steel panel	-	-		m²		
Interior wall (permanent)	Plasterboard	-	-	7,065	m²		Int. Wall - Plasterboard
Interior wall (permanent)	Plywood	-	-		m²		
Interior wall (permanent)	Fibre cement sheet	-	-		m²		
Interior wall (permanent)	Insulation	-	-	2,117	m²		Int. Wall - Insulation
Interior wall (permanent)	Glass	-	-	369	m²		Int. Wall - Glazing
Interior wall (permanent)	Other (Please describe >>)		-		m²		
Internal door (permanent)	Aluminium/glass	-	-	21	no.		Int. Door - Alum Glass
Internal door (permanent)	Timber/glass	-	-		no.		
Internal door (permanent)	Timber solid lightweight	-	-	43	no.		Int. Door - Solid Timber
Internal door (permanent)	Fire resistant	-	-		no.		
Internal door (permanent)	Steel	-	-		no.		
Internal door (permanent)	Other (Please describe >>)		-		no.		
Other (Please describe and add unit >>)		-	-				
Other (Please describe and add unit >>)		-	-				
Other (Please describe and add unit >>)		-	-				

Services

					Unit of measure	
Mechanical services	-	-	-	218,350	AUD excl. GST	Mechanical
Vertical transportation	-	-	-	0	AUD excl. GST	
Electrical services	-	-	-	3,506,990	AUD excl. GST	Electrical
Solar photovoltaic installations	-	-	-	456,300	AUD excl. GST	Solar
Plumbing/hydraulic services	-	-	-	3,292,982	AUD excl. GST	Plumbing/Hydraulic
Fire services				211,464	AUD excl. GST	Fire Services
Other services (Please describe)	Comms	-	-	229,511	AUD excl. GST	Comms
Other services (Please describe)	Stormwater	-	-	1,417,858	AUD excl. GST	Stormwater

External works

Coverage of spend on external works	-	-	-	87	%		
Asphalt	-	-	-	742	t		Asphalt
Concrete in-situ	≤10 MPa	-	-		m³		
Concrete in-situ	>10 MPa to ≤20 MPa	-	-	727	m³		EX - Concrete 20
Concrete in-situ	>20 MPa to ≤32 MPa	-	-	328	m³		EX - Concrete 32
Concrete in-situ	>32 MPa to ≤40 MPa	-	-		m³		
Concrete in-situ	>40 MPa to ≤50 MPa	-	-		m³		
Concrete in-situ	>50 MPa	-	-		m³		
Pavers, bricks and blocks	Concrete	-	-	1,085	m²		EX - Pavers Concrete
Pavers, bricks and blocks	Clay	-	-		m²		
Reinforcing steel	Bar & mesh	-	-	42,764	kg		EX - Reo B&M
Reinforcing steel	Fibre & strand	-	-		kg		
Structural steel	-	-	-		t		
Structural aluminium	-	-	-		t		
External roof/wall cladding	Polycarbonate	-	-		m²		
External roof/wall cladding	PVC	-	-		m²		
External roof/wall cladding	Bitumen sheet	-	-		m²		
External roof/wall cladding	Steel profile	-	-		m²		
Fill	-	-	-		t		
Sand & gravel	-	-	-	21	t		EX - Sand & Gravel
Timber (solid)	Sawn softwood	-	-	5	m³		EX - Timber Softwood
Timber (solid)	Sawn hardwood	-	-		m³		
Timber (engineered)	CLT	-	-		m³		
Timber (engineered)	Glulam	-	-		m³		
Timber (engineered)	LVL	-	-		m³		
Timber (engineered)	OSB	-	-		m³		
Fabric (awning/sunshade)		-	-	217	m²		EX - Fabric
Other (Please describe and add unit >>)		-	-				
Other (Please describe and add unit >>)		-	-				
Other (Please describe and add unit >>)		-	-				

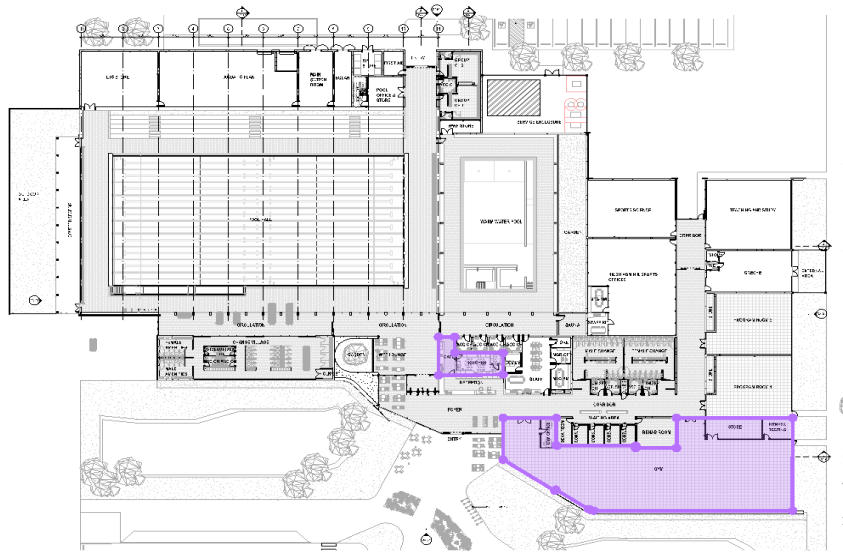
Floor area by NCC building classification	Gross (GFA)	Net (NLA/NSA/UFA)	Unit	Note
Please enter all floor areas relevant to your building. Leave areas blank if not applicable. Please enter Gross Floor Area (GFA) for all building classifications. Please also enter the corresponding net area (Net Lettable Area, Net Sellable Area or Usable Floor Area) where it is commonly used for that building classification.				
Class 1a: Detached residential buildings			m²	Required for Class 1a: Detached residential houses, townhouses
Class 1b: Boarding houses and hostels			m²	Required for Class 1b: Boarding house, guest house, hostel
Class 2: Multi-unit residential buildings			m²	Required for Class 2: Multi-unit residential, including apartment buildings
Class 3: Other residential buildings			m²	Required for Class 3: Other residential buildings
Class 4: Residential inside non-residential			m²	Required for Class 4: Residential building inside a non-residential building, e.g., caretaker residence
Class 5: Office buildings			m²	Required for Class 5: Office building
Class 6: Retail buildings	761	761	m²	Required for Class 6: Retail building, e.g., shop, restaurant, cafe
Class 7a: Carparks			m²	Required for Class 7a: Carparks
Class 7b: Warehouse-type buildings			m²	Required for Class 7b: Warehouses, wholesalers and storage facilities
Class 8: Industrial buildings			m²	Required for Class 8: Industrial buildings, e.g., factories and workshops
Class 9a: Healthcare buildings			m²	Required for Class 9a: Healthcare, e.g., hospitals, clinics, day surgeries
Class 9b: Civic buildings	6,494	4,471	m²	Required for Class 9b: Civic buildings, e.g., theatres, civic centres, train stations
Class 9c: Aged care and personal care buildings			m²	Required for Class 9c: Aged care and personal care
Class 10a: Non-habitable buildings			m²	Required for Class 10a: Non-habitable buildings including sheds, carports and private garages
Class 10b: Miscellaneous structures	1,722	1,722	m²	Required for Class 10b: Miscellaneous structures, including fences, masts, antennas, retaining walls and swimming pools
Class 10c: Bushfire shelters			m²	Required for Class 10c: Bushfire shelters not attached to a Class 1a building
Total	8,977	6,954	m²	Required: Sum of m² inputs must be more than 0.

Project information	Value	Unit	Note
Total cost of project	#REF!	AUD excl. GST	Required
Building design life		50 years	Required
Estimated envelope life		years	Optional
Estimated replacement cycle for mechanical services		years	Optional
Estimated replacement cycle for vertical transportation		years	Optional

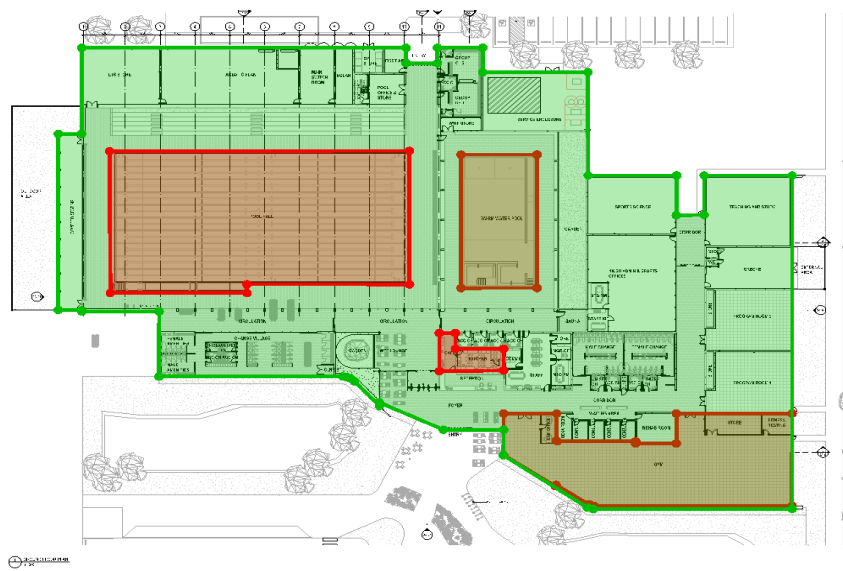
Dimensions of the building and the site	Value	Unit	Note
Site area		38,020 m²	Required
Shared services or infrastructure	Yes		Required
Building footprint area		8,216 m²	Required
Typical floor area (if different to building footprint area)		m²	Only needed if different to row above
Typical floor perimeter		441 m	Required
Area of external carpark (not included in GFA)		7,237 m²	Required. Enter 0 if not applicable.
Area of external hardstand (not included in GFA)		357 m²	Required. Enter 0 if not applicable.
Area of other hard landscaping (not included in GFA)		1,946 m²	Required. Enter 0 if not applicable.
Number of floors/storeys above ground, including ground floor		1 no.	Required
Number of floors/storeys below ground		0 no.	Required. Enter 0 if not applicable.
Number of floors/storeys of car parking		0 no.	Required. Enter 0 if not applicable.
Total height above ground		11 m	Required

Structural material choices	Value	Unit	Note
Foundation type			Required
Frame type (dominant)			Required
Suspended floor type (typical)			Only needed for multi-storey buildings
Describe low carbon materials specified in your building (e.g. green concrete, low carbon bricks)			Required
Describe recycled content specified in your building (e.g. recycled steel)			Required

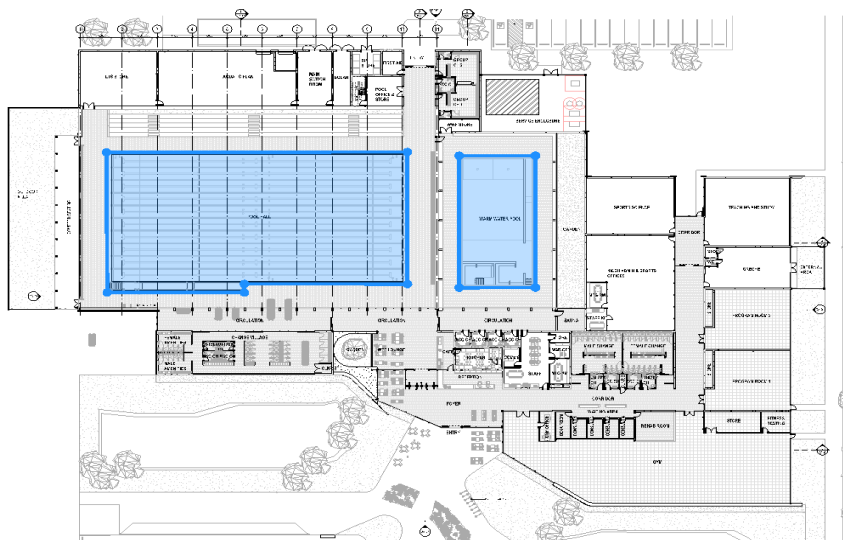
Class 6: Retail buildings



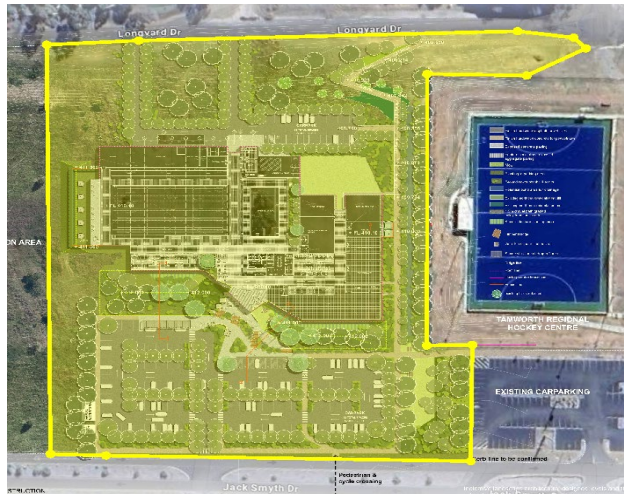
Class 9b: Civic buildings



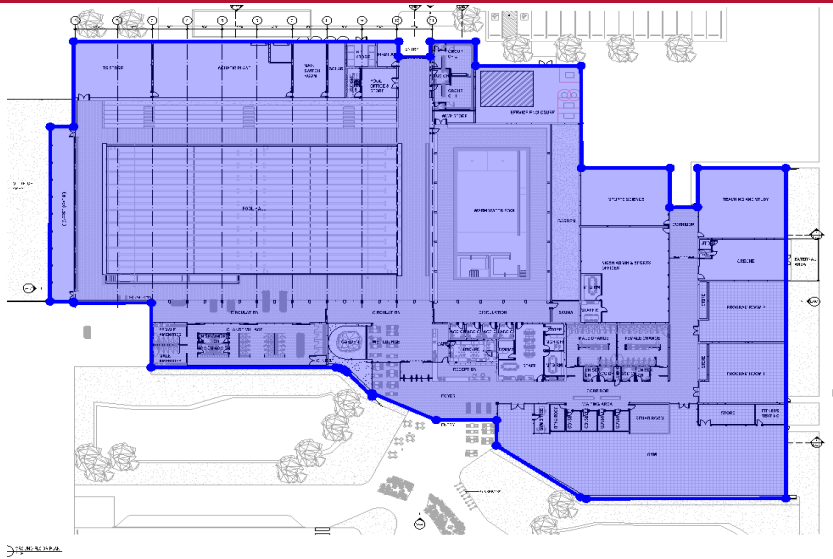
Class 10b: Miscellaneous structures



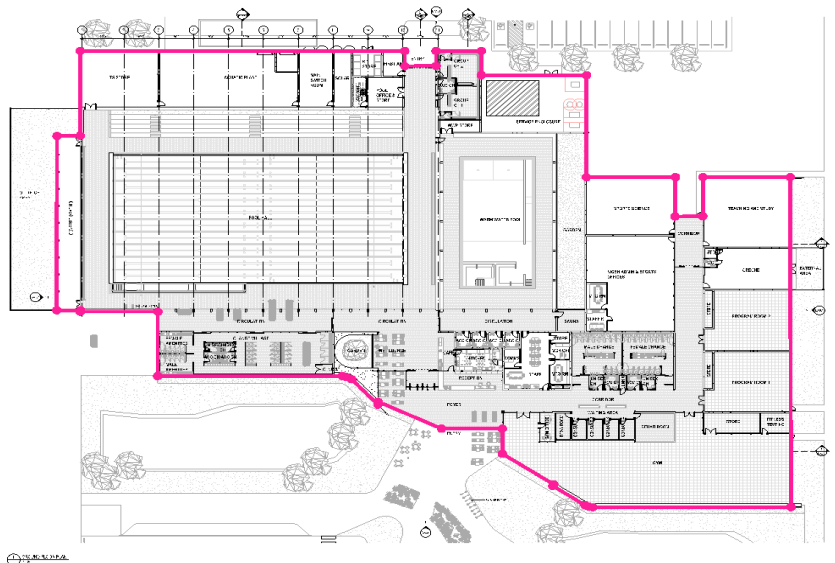
Site Area



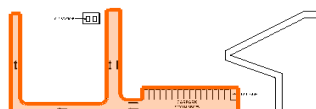
Building Area

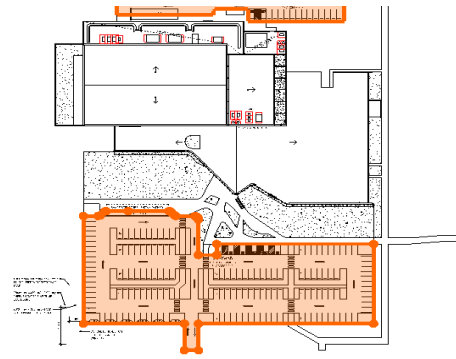


Typical Floor Perimeter

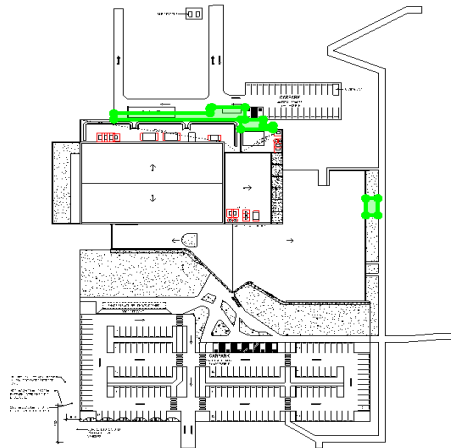


External Carpark

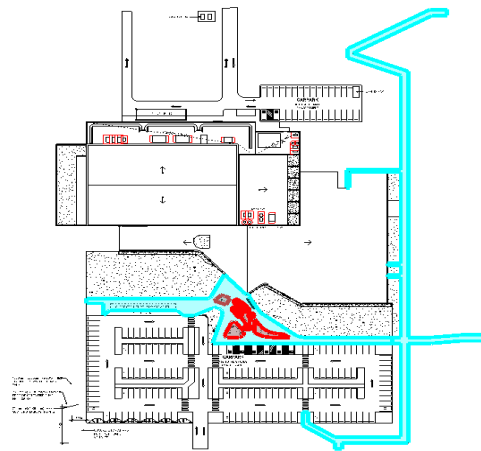




External Hardstand



Hard Landscaping



Estimate

Client Name: Tamworth Council
Project Name: Tamworth Regional Aquatic Centre



Report Date:

8/07/2024

Item	Description	Qty	Unit	Rate	Amount	Comments
1	Demolition / Relocation			\$ -	\$ 40,000.00	
	Stage 1				\$ 10,000.00	
	Allowance for minor demolition works/ relocation of existing site requirements	1.00	Item	\$ 10,000.00	\$ 10,000.00	
	Stage 2				\$ 30,000.00	
	Allowance for minor demolition works/ relocation of existing site requirements	1.00	Item	\$ 30,000.00	\$ 30,000.00	
	Demolition / Relocation	1.00	m2			
2	Bulk Excavation				\$ 599,735.00	
	Site Clearing				\$ 95,000.00	
	Clear and Grub - Light	38,000.00	m2	\$ 2.50	\$ 95,000.00	
	Site Clearing	38,000.00	m2			
	Earthworks				\$ 504,735.00	
	Earthworks - Cut	10,340.00	m3	\$ 35.00	\$ 361,900.00	
	Earthworks - Fill	7,711.00	m3	\$ 10.00	\$ 77,110.00	assumed 100% fill comes from site
	Allowance for Disposal of excess cut Earthworks	2,629.00	m3	\$ 25.00	\$ 65,725.00	Re-use on vacant land site to the west as per Tamworth Council
	Earthworks	18,051.00	m3			
3	Substructure				\$ 4,978,579.69	
	Piling				\$ 1,114,840.49	
	Piling	420.00	m	\$ 2,654.38	\$ 1,114,840.49	
	Piling Ø0.6	420.00	m	\$ 900.00	\$ 378,000.00	
	Steel Pipe Liners, supply on site Ø0.6	420.00	m	\$ 369.00	\$ 154,980.00	
	Supply and fixing stiffening bands Ø0.6	42.00	each	\$ 671.00	\$ 28,182.00	
	Handling and pitching of steel liners Ø0.6	42.00	each	\$ 638.00	\$ 26,796.00	
	Driving steel liners Ø0.6	420.00	m	\$ 233.00	\$ 97,860.00	
	Excavation of liners Ø0.6	118.75	m	\$ 701.00	\$ 83,245.29	
	Certification of pile capacity using camera	42.00	each	\$ 3,315.75	\$ 139,261.50	Allowance for 4 inspections per day
	Concrete Class 40MPa/20 pile	118.75	m3	\$ 535.00	\$ 63,532.43	
	Steel reinforcing bar in piles, N12 Bar	23.75	tonne	\$ 4,579.00	\$ 108,753.27	
	Pile Integrity Testing - Driven Piles	10.00	each	\$ 3,423.00	\$ 34,230.00	
	Piling	2,077.25	m			
	Ground Slab				\$ 2,578,696.70	
	Detailed Excavation				\$ 177,607.50	
	Detailed excavation	2089.50	m3	\$ 85.00	\$ 177,607.50	
	Imported Structural Fill				\$ 1,107,435.00	
	Imported Structural Fill / Lean Mix Concrete	2089.50	m3	\$ 530.00	\$ 1,107,435.00	
	Blinding Concrete				\$ 406,616.70	
	Blinding Concrete - 100mm thick	6965.00	m2	\$ 58.38	\$ 406,616.70	assumed 100mm thick
	Beams				\$ 500,480.00	
	Beams Ø 4x0.4	512.00	m3	\$ 977.50	\$ 500,480.00	
	Slab				\$ 1,671,600.00	
	200 Ground Slab	1,393.00	m3	\$ 1,200.00	\$ 1,671,600.00	
	Ground Slab	6,965.00	m2			
4	Indoor Pools				\$ 2,621,958.78	
	Main Pool Slab				\$ 2,158,060.00	
	Substructure				\$ 1,239,708.00	
	Detailed excavation	386.25	m3	\$ 85.00	\$ 32,831.25	
	Imported Structural Fill / Lean Mix Concrete	386.25	m3	\$ 530.00	\$ 204,712.50	
	Blinding Concrete - 100mm thick	1287.50	m2	\$ 58.38	\$ 75,164.25	assumed 100mm thick
	600 Slab	772.50	m3	\$ 1,200.00	\$ 927,000.00	FRP Rate
	Pool Walls (sides and ends)				\$ 271,152.00	
	Walls	169.47	m3	\$ 1,600.00	\$ 271,152.00	
	Stairs and Ramps				\$ 100,000.00	
	Stairs and Ramps	2.00	Item	\$ 50,000.00	\$ 100,000.00	
	Waterproofing Membrane				\$ 167,200.00	
	Waterproofing Membrane (Slab and walls)	1520.00	m2	\$ 110.00	\$ 167,200.00	Allowance for Liquid Membrane
	Tiling				\$ 380,000.00	
	Tiling	1520.00	m2	\$ 250.00	\$ 380,000.00	
	Main Pool Slab	1,287.50	m2			
	Warm Water Pool Slab				\$ 463,898.78	
	Substructure				\$ 153,530.78	
	Detailed excavation	95.04	m3	\$ 85.00	\$ 8,078.40	
	Imported Structural Fill / Lean Mix Concrete	95.04	m3	\$ 530.00	\$ 50,371.20	
	Blinding Concrete - 100mm thick	316.80	m2	\$ 58.38	\$ 18,494.78	assumed 100mm thick
	250 Slab	79.20	m3	\$ 967.00	\$ 76,586.40	
	Pool Walls				\$ 124,416.00	
	Walls	77.76	m3	\$ 1,600.00	\$ 124,416.00	
	Stairs and Ramps				\$ 30,000.00	
	Stairs and Ramps	1.00	Item	\$ 30,000.00	\$ 30,000.00	
	Waterproofing Membrane				\$ 47,652.00	
	Waterproofing Membrane	433.20	m2	\$ 110.00	\$ 47,652.00	Allowance for Liquid Membrane
	Tiling				\$ 108,300.00	
	Tiling	433.20	m2	\$ 250.00	\$ 108,300.00	
	Warm Water Pool Slab	316.80	m2			
5	Superstructure				\$ 3,821,200.40	
	Columns				\$ 494,431.70	
	Concrete				\$ 127,872.00	
	CC1 - 600 x 300 Insitu RC Column	77.22	m3	\$ 1,600.00	\$ 123,552.00	FRP Rate
	CC2 - 600 x 600 Insitu RC Column	2.70	m3	\$ 1,600.00	\$ 4,320.00	FRP Rate
	Steel				\$ 339,798.38	
	C1 - 250 x 150 x 10.0 RHS	1.89	tonne	\$ 13,500.00	\$ 22,777.20	Supply and Install
	C2 - 219.1 x 9.2 CHS	0.62	tonne	\$ 13,500.00	\$ 8,311.68	Supply and Install
	C3 - 200 x 200 x 9.0 SHS	1.53	tonne	\$ 13,500.00	\$ 20,692.28	Supply and Install
	C4 - 150 x 150 x 9.0 SHS	5.06	tonne	\$ 13,500.00	\$ 68,301.09	Supply and Install
	C5 - 125 x 125 x 6.0 SHS	0.26	tonne	\$ 13,500.00	\$ 3,524.58	Supply and Install
	C6 - 150 x 100 x 9.0 RHS	2.99	tonne	\$ 13,500.00	\$ 40,359.74	Supply and Install
	C7 - 89 x 89 x 6.0 SHS	-	tonne	\$ 13,500.00	\$ -	Supply and Install
	C8 - 75 x 75 x 6.0 SHS	-	tonne	\$ 13,500.00	\$ -	Supply and Install
	C9 - 139.7 x 5.4 CHS (Galv)	-	tonne	\$ 13,500.00	\$ -	Supply and Install
	C10 - 150 x 150 x 6 SHS (Galv)	0.92	tonne	\$ 13,500.00	\$ 12,450.24	Supply and Install
	PC2 - 460 UB 82	6.16	tonne	\$ 13,500.00	\$ 83,126.25	Supply and Install
	PC3 - 410 UB 59.7	-	tonne	\$ 13,500.00	\$ -	Supply and Install
	PC4 - 410 UB 59.7 - Crucifix Column	0.57	tonne	\$ 13,500.00	\$ 7,737.12	Supply and Install
	PC5 - 250 UC 37.3	5.37	tonne	\$ 13,500.00	\$ 72,511.20	Supply and Install
	SC1 - 89 x 89 x 6.0 SHS - Stub Column Fixed Base	-	tonne	\$ 13,500.00	\$ -	Supply and Install
	Multilions				\$ 26,761.32	
	M1 - 150 x 150 x 6 SHS	0.79	tonne	\$ 13,500.00	\$ 10,611.00	Supply and Install
	M2 - 152 x 76 x 6.0 RHS	0.19	tonne	\$ 13,500.00	\$ 2,514.24	Supply and Install
	M3 - 150 x 100 x 6 RHS	0.24	tonne	\$ 13,500.00	\$ 3,235.68	Supply and Install
	M4 - 125 x 125 x 6 SHS	0.77	tonne	\$ 13,500.00	\$ 10,400.40	Supply and Install
	M5 - 89 x 89 x 6 SHS	-	tonne	\$ 13,500.00	\$ -	Supply and Install
	Columns	27.15	tonne			
	Load Bearing Walls				\$ 2,698,820.00	
	Precast Load Bearing Wall				\$ 1,065,880.00	
	280mm thick	272.00	m2	\$ 600.00	\$ 163,200.00	
	250mm thick	1,173.60	m2	\$ 550.00	\$ 645,480.00	
	200mm thick	554.40	m2	\$ 500.00	\$ 277,200.00	
	150mm thick	-	m2	\$ 400.00	\$ -	
	Shear Walls				\$ 1,612,940.00	
	300mm thick	1,837.00	m2	\$ 650.00	\$ 1,194,050.00	
	280mm thick	367.20	m2	\$ 600.00	\$ 220,320.00	
	250mm thick	197.40	m2	\$ 550.00	\$ 108,570.00	
	200mm thick	180.00	m2	\$ 500.00	\$ 90,000.00	
	Load Bearing Walls	4,581.60	m2			
	Wall Framing				\$ -	
	Girts				\$ -	
				\$ -	\$ -	
				\$ -	\$ -	
	Wall Framing	-	m2			
	Trusses				\$ 627,948.70	
	Trusses				\$ 627,948.70	

2,000.00

2,581.60

	150 x 150 x 6.0 SHS	68.82	tonne	\$	13,500.00	\$	794,135.20	
	150 x 150 x 9.0 SHS	18.10	tonne	\$	13,500.00	\$	244,296.00	
	200 x 200 x 9.0 SHS	82.96	tonne	\$	13,500.00	\$	1,119,987.91	
	250 x 250 x 6.0 SHS	7.13	tonne	\$	13,500.00	\$	96,278.94	
	250 x 250 x 9.0 SHS	5.43	tonne	\$	13,500.00	\$	73,250.65	
	Increased span of trusses in pool hall (3m to 6mM)	-	-	-	-	\$	1,700,000.00	
	Trusses	172.44	tonne					
6	Roofing					\$	3,461,345.24	
	Roof	2,375.73	m2	\$	1,456.96	\$	3,461,345.24	
	Beams					\$	1,218,874.50	
	150 PFC	-	tonne	\$	13,500.00	\$	-	
	200 PFC	6.00	tonne	\$	13,500.00	\$	80,997.30	
	250 PFC	0.92	tonne	\$	13,500.00	\$	12,460.50	
	150 x 150 x 5.0 RHS	9.17	tonne	\$	13,500.00	\$	123,815.25	
	200 x 100 x 5.0 RHS @ 90deg	0.11	tonne	\$	13,500.00	\$	1,491.75	
	200 UB 29.8	3.04	tonne	\$	13,500.00	\$	41,034.60	
	200 UB 29.8 - Feature Beam (CLADDED)	0.80	tonne	\$	13,500.00	\$	10,862.10	
	200 UB 29.8 with 200 PFC Over	-	tonne	\$	13,500.00	\$	-	
	250 UB 27.3	1.87	tonne	\$	13,500.00	\$	25,177.50	
	250 UB 37.3 with 230 PFC Over	-	tonne	\$	13,500.00	\$	-	
	310 UB 46.2	5.04	tonne	\$	13,500.00	\$	67,983.30	
	310 UC 158	16.43	tonne	\$	13,500.00	\$	221,832.00	
	360 UB 56.7	3.35	tonne	\$	13,500.00	\$	45,161.55	
	410 UB 60	6.45	tonne	\$	13,500.00	\$	87,042.60	
	460 UB 82, 30mm precamber	7.06	tonne	\$	13,500.00	\$	95,318.10	
	460 UB 82.1	11.08	tonne	\$	13,500.00	\$	149,627.25	
	530 UB 92.4	8.59	tonne	\$	13,500.00	\$	116,008.20	
	610 UB 125, 20mm precamber	10.38	tonne	\$	13,500.00	\$	140,862.50	
	700WB 130, 20mm Precamber	-	tonne	\$	13,500.00	\$	-	
	Purlins					\$	447,924.25	
	C35024	-	tonne	\$	13,500.00	\$	-	
	C25024	1.04	tonne	\$	13,500.00	\$	13,987.65	
	C20019	17.66	tonne	\$	13,500.00	\$	238,445.28	
	C15019	14.48	tonne	\$	13,500.00	\$	195,491.32	
	Rafter					\$	57,318.30	
	100 x 100 x 10 EA	4.25	tonne	\$	13,500.00	\$	57,318.30	
	Braces					\$	93,697.29	
	20mm Dia Rod	6.13	tonne	\$	13,500.00	\$	82,762.29	
	125 x 125 EA	0.81	tonne	\$	13,500.00	\$	10,935.00	
	Strut					\$	3,194.10	
	125 x 125 x 5 SHS	0.24	tonne	\$	13,500.00	\$	3,194.10	
	Roof Metal Sheetting					\$	1,497,793.00	
	Pool Hall	2,375.73	m2	\$	220.00	\$	522,660.60	Aluminium sheeting
	Warm Pool Hall	669.11	m2	\$	220.00	\$	147,204.20	Allowance for gutter, brackets, box gutter, pvc downpipes and standard roof sheeting in Klip Lok Profile, flashings etc.
	Other Areas	3,763.31	m2	\$	220.00	\$	827,928.20	
	Roof Safety					\$	142,543.80	
	Allowance for Roof safety	2,375.73	m2	\$	60.00	\$	142,543.80	
	Roof	134.89	tonne					
7	External Wall, Glazing and FAÇADE					\$	1,961,640.60	
	External Walls / Façade					\$	1,961,640.60	
7.4.5	External stud partition walls					\$	454,500.00	
	External stud partition wall; 593mm thick	935.00	m2	\$	300.00		280,500.00	
	External stud partition wall; 596mm thick	219.00	m2	\$	300.00		65,700.00	
	External stud partition wall; 610mm thick	361.00	m2	\$	300.00		108,300.00	
7.4.9	Metal Cladding					\$	575,520.00	
	Patterned Backlit Perforated Metal Cladding Fixed Proud of External Façade	726.00	m2	\$	450.00		326,700.00	
	Profile Metal Sheet Laid Vertically on Top Hats Fixed to Precast Walls 10.85m high	2,262.00	m2	\$	110.00		248,820.00	
7.4.12	Acoustic Screens					\$	269,000.00	
	Acoustic Screen on Steel Structure around plant on Roof Plant Deck 2.925m high (tapered height)	269.00	m2	\$	1,000.00		269,000.00	
7.4.14	External Windows					\$	461,250.00	
	External Glazing	615.00	m2	\$	750.00		461,250.00	
	Window Framing					\$	44,220.60	
	200 x 200 x 6.0 SHS	1.03	tonne	\$	13,500.00	\$	13,937.40	
	150 x 150 x 6.0 SHS	2.02	tonne	\$	13,500.00	\$	27,234.90	
	125 x 125 x 5.0 SHS	0.16	tonne	\$	13,500.00	\$	2,467.00	
	89 x 89 x 6.0 SHS	0.04	tonne	\$	13,500.00	\$	591.30	
	65 x 65 x 6.0 SHS	-	-	\$	13,500.00	\$	-	
7.4.16	Painting					\$	107,150.00	
	Painting to External Walls	562.00	m2	\$	75.00		42,150.00	
	Scaffolding allowance	1.00	item	\$	65,000.00		65,000.00	
7.4.18	Sundry					\$	50,000.00	
	Allowance for sundry items	1.00	item	\$	50,000.00		50,000.00	
	External Walls	4,437.28	m2					
8	EXTERNAL DOORS					\$	128,500.00	
	EXTERNAL DOORS					\$	128,500.00	
7.5.1	External Roll-up Door including frame, hardware, finishes, fittings and fixing							
	2490 x 2400 Roll-up Door, to Aquatic Plant	2.00	No	\$	10,000.00		20,000.00	
7.5.3	External Double Leaf Swing Door including frame, hardware, finishes, fittings and fixing							
	1930 x 2400 Double Leaf Swing Door, to Solar Room	1.00	No	\$	6,000.00		6,000.00	
	1950 x 2400 Double Leaf Swing Door, to Main Switch Room	1.00	No	\$	6,000.00		6,000.00	
7.5.6	External Double Leaf Metal Louvered Swing Door including frame, hardware, finishes, fittings and fixing							
	1910 x 2400 Double Leaf Metal Louvered Swing Door, to Bin Store	1.00	No	\$	7,500.00		7,500.00	
7.5.8	External Double Leaf Glazed Swing Door including frame, hardware, finishes, fittings and fixing							
	1690 x 3000 Double Leaf Glazed Swing Door, to Pool Hall	1.00	No	\$	8,500.00		8,500.00	
	1710 x 3000 Double Leaf Glazed Swing Door, to Pool Hall	1.00	No	\$	8,500.00		8,500.00	
	1950 x 2700 Double Leaf Glazed Swing Door, to Creche	1.00	No	\$	8,500.00		8,500.00	
7.5.12	External Single Leaf Glazed Swing Door including frame, hardware, finishes, fittings and fixing							
	950 x 2700 Single Leaf Glazed Swing Door, to Program Room 1 & Gym	2.00	No	\$	5,000.00		10,000.00	
7.5.14	External Double Leaf Glazed Sliding Door (framed/ frameless) including accessories, hardware, finishes, fittings and fixing							
	2350 x 3000 External Double Leaf Glazed Sliding Door, to North & South Entry	2.00	No	\$	15,000.00		30,000.00	
	1710 x 3000 Double Leaf Glazed Swing Door, to Pool Hall	1.00	No	\$	8,500.00		8,500.00	
7.5.17	External Single Leaf Glazed Sliding Door (framed/ frameless) including accessories, hardware, finishes, fittings and fixing							
	950 x 2400 External Single Leaf Glazed Sliding Door, to Corridor	1.00	No	\$	5,000.00		5,000.00	
7.5.19	Sundry							
	Allowance for sundry items, hardware, decals	1.00	item	\$	10,000.00		10,000.00	
	EXTERNAL DOORS	14.00	No					
9	INTERNAL WALLS					\$	977,720.00	
	INTERNAL WALLS					\$	977,720.00	
7.6.1	Internal concrete block walls							
	Internal concrete block wall; 200mm thick	38.00	m2	\$	200.00		7,600.00	
7.6.7	Internal stud partition walls							
	Internal stud partition wall; 100mm thick	18.00	m2	\$	220.00		3,960.00	
	Internal stud partition wall; 150mm thick	359.00	m2	\$	230.00		82,570.00	
	Internal stud partition wall; 170mm thick	1,172.00	m2	\$	240.00		281,280.00	
	Internal stud partition wall; 200mm thick	92.00	m2	\$	280.00		25,760.00	
	Internal stud partition wall; 593mm thick	201.00	m2	\$	300.00		60,300.00	
	Internal stud partition wall; 610mm thick	275.00	m2	\$	350.00		96,250.00	
7.6.14	Acoustic allowances							
	Allowance for acoustic linings and insulation	1.00	item	\$	10,000.00		10,000.00	
7.6.16	Sundry							
	Allowance for sundry items i.e. hogging, acoustic and fire separation requirements etc	1.00	item	\$	10,000.00		10,000.00	
	INTERNAL WALLS	2,155.00	m2					
10	INTERNAL SCREENS					\$	360,190.00	
	INTERNAL SCREENS					\$	360,190.00	
7.7.1	Internal Glazed Screens							

	Internal glazed screens	369.00	m2	\$	750.00	276,750.00	
7.7.3	Bathroom/Change Cubicles						Roughly \$300/m2 for cubicle Partition
	Cubicles, size: 830 (W) x 1693 (L)	2.00	No	\$	1,200.00	2,400.00	
	Cubicles, size: 846 (W) x 1693 (L)	2.00	No	\$	1,200.00	2,400.00	
	Cubicles, size: 863 (W) x 1693 (L)	1.00	No	\$	1,200.00	1,200.00	
	Cubicles, size: 1507 (W) x 1998 (L)	2.00	No	\$	1,200.00	2,400.00	
	Cubicles, size: 1524 (W) x 1998 (L)	2.00	No	\$	1,200.00	2,400.00	
	Shower cubicles, size: 830 (W) x 1693 (L)	4.00	No	\$	1,200.00	4,800.00	
	Shower cubicles, size: 846 (W) x 1693 (L)	4.00	No	\$	1,200.00	4,800.00	
	Shower cubicles, size: 863 (W) x 1693 (L)	2.00	No	\$	1,200.00	2,400.00	
	Shower cubicles, size: 948 (W) x 1828 (L)	5.00	No	\$	1,200.00	6,000.00	
	Shower cubicles, size: 965 (W) x 1828 (L)	8.00	No	\$	1,200.00	9,600.00	
	Shower cubicles, size: 982 (W) x 1828 (L)	2.00	No	\$	1,200.00	2,400.00	
	Toilet cubicles, size: 830 (W) x 1540 (L)	1.00	No	\$	1,200.00	1,200.00	
	Toilet cubicles, size: 847 (W) x 1540 (L)	3.00	No	\$	1,200.00	3,600.00	
	Toilet cubicles, size: 830 (W) x 1557 (L)	1.00	No	\$	1,200.00	1,200.00	
	Toilet cubicles, size: 846 (W) x 1557 (L)	3.00	No	\$	1,200.00	3,600.00	
	Toilet cubicles, size: 948 (W) x 1557 (L)	2.00	No	\$	1,200.00	2,400.00	
	Toilet cubicles, size: 897 (W) x 1625 (L)	2.00	No	\$	1,200.00	2,400.00	
	Toilet cubicles, size: 914 (W) x 1625 (L)	4.00	No	\$	1,200.00	4,800.00	
	Toilet cubicles, size: 931 (W) x 1625 (L)	4.00	No	\$	1,200.00	4,800.00	
	Toilet cubicles, size: 948 (W) x 1811 (L)	2.00	No	\$	1,200.00	2,400.00	
	Toilet cubicles, size: 965 (W) x 1811 (L)	1.00	No	\$	1,200.00	1,200.00	
7.7.25	Urinal Partitions						
	Urinal Partitions	7.00	No	\$	720.00	5,040.00	
7.7.27	Sundry						
	Allowance for sundry items, decals	1.00	Item	\$	10,000.00	10,000.00	
	INTERNAL SCREENS	369.00	m2				
11	INTERNAL DOORS			\$	235,000.00		
	INTERNAL DOORS			\$	235,000.00		
7.8.1	Internal Single Leaf Glazed Sliding Door (framed/ frameless) including accessories, hardware, finishes, fittings and fixing						
	1360x2400 Single Leaf Glazed Sliding Door	2.00	No	\$	3,500.00	7,000.00	
	1530x2400 Single Leaf Glazed Sliding Door	3.00	No	\$	3,500.00	10,500.00	
7.8.4	Internal Double Leaf Glazed Sliding Door (framed/ frameless) including accessories, hardware, finishes, fittings and fixing						
	1640x2400 Double Leaf Glazed Sliding Door	1.00	No	\$	4,000.00	4,000.00	
	2340x2400 Double Leaf Glazed Sliding Door	1.00	No	\$	4,000.00	4,000.00	
7.8.7	Internal Single Leaf Glazed Swing Door including frame, hardware, finishes, fittings and fixing						
	950x2400 Single Leaf Glazed Swing Door	4.00	No	\$	3,000.00	12,000.00	
	1110x2400 Single Leaf Glazed Swing Door	6.00	No	\$	3,000.00	18,000.00	
7.8.10	Internal Double Leaf Glazed Swing Door including frame, hardware, finishes, fittings and fixing						
	1850x2400 Double Leaf Glazed Swing Door	3.00	No	\$	4,000.00	12,000.00	
	2390x2400 Double Leaf Glazed Swing Door	1.00	No	\$	4,000.00	4,000.00	
7.8.13	Internal Single Leaf Solid Timber Swing Door including frame, hardware, finishes, fittings and fixing						
	850x2400 Single Leaf Solid Timber Swing Door	4.00	No	\$	3,000.00	12,000.00	
	900x2400 Single Leaf Solid Timber Swing Door	4.00	No	\$	3,000.00	12,000.00	
	1000x2400 Single Leaf Solid Timber Swing Door	28.00	No	\$	3,000.00	84,000.00	
7.8.17	Internal Double Leaf Solid Timber Swing Door including frame, hardware, finishes, fittings and fixing						
	1950x2400 Double Leaf Solid Timber Swing Door	3.00	No	\$	4,000.00	12,000.00	
	2000x2400 Double Leaf Solid Timber Swing Door	2.00	No	\$	4,000.00	8,000.00	
7.8.20	Internal Single Leaf Solid Timber Sliding Door including frame, hardware, finishes, fittings and fixing						
	1500x2400 Single Leaf Solid Timber Sliding Door	1.00	No	\$	3,500.00	3,500.00	
	1542x2400 Single Leaf Solid Timber Sliding Door	1.00	No	\$	3,500.00	3,500.00	
7.8.23	Internal Roll-up Door including frame, hardware, finishes, fittings and fixing						
	2270x2400 Roll-up Door	1.00	No	\$	18,500.00	18,500.00	
7.8.25	Sundry						
	Allowance for sundry items	1.00	Item	\$	10,000.00	10,000.00	
	INTERNAL DOORS	66.00	No				
12	WALL FINISHES			\$	1,788,602.50		
	WALL FINISHES			\$	1,788,602.50		
	to ACC CH room	417.00	m2	\$	150.00	62,550.00	Allowance for tile
	to Amenities room	171.00	m2	\$	150.00	25,650.00	Allowance for tile
	to Female change room	247.00	m2	\$	150.00	37,050.00	Allowance for tile
	to Male change room	256.00	m2	\$	150.00	38,400.00	Allowance for tile
	to Unisex CH room	195.00	m2	\$	150.00	29,250.00	Allowance for tile
	to Change village room	308.00	m2	\$	150.00	46,200.00	Allowance for tile
	to Group CH room	342.00	m2	\$	150.00	51,300.00	Allowance for tile
	to Aquatic plant room	394.00	m2	\$	150.00	59,100.00	Allowance for tile
	to Bin store room	90.00	m2	\$	130.00	11,700.00	Allowance for render/ plaster and paint
	to Circulation Area room	2,748.00	m2	\$	130.00	357,240.00	Allowance for render/ plaster and paint
	to Clnr ST room	34.00	m2	\$	130.00	4,420.00	Allowance for render/ plaster and paint
	to Comms room	59.00	m2	\$	130.00	7,670.00	Allowance for render/ plaster and paint
	to Consult room	231.00	m2	\$	130.00	30,030.00	Allowance for render/ plaster and paint
	to Store room	631.00	m2	\$	130.00	82,030.00	Allowance for render/ plaster and paint
	to Creche room	179.00	m2	\$	130.00	23,270.00	Allowance for render/ plaster and paint
	to Dexa Room	70.00	m2	\$	130.00	9,100.00	Allowance for render/ plaster and paint
	to First Aid room	75.00	m2	\$	130.00	9,750.00	Allowance for render/ plaster and paint
	to Fitness Testing room	71.00	m2	\$	130.00	9,230.00	Allowance for render/ plaster and paint
	to Foyer & Waiting Lounge room	269.00	m2	\$	130.00	34,970.00	Allowance for render/ plaster and paint
	to Gym room	498.00	m2	\$	130.00	64,740.00	Allowance for render/ plaster and paint
	to Kitchen room	146.00	m2	\$	150.00	21,900.00	Allowance for tile
	to Main Switch Room	153.00	m2	\$	130.00	19,890.00	Allowance for render/ plaster and paint
	to MGR off room	57.00	m2	\$	130.00	7,410.00	Allowance for render/ plaster and paint
	to MTG RM room	140.00	m2	\$	130.00	18,200.00	Allowance for render/ plaster and paint
	to Nisah Admin & Sports Office room	234.00	m2	\$	130.00	30,420.00	Allowance for render/ plaster and paint
	to Program Room	573.00	m2	\$	130.00	74,490.00	Allowance for render/ plaster and paint
	to Rehab Room	114.00	m2	\$	130.00	14,820.00	Allowance for render/ plaster and paint
	to Roof Plant Access room	76.00	m2	\$	130.00	9,880.00	Allowance for render/ plaster and paint
	to Sauna room	70.00	m2	\$	150.00	10,500.00	Allowance for tile
	to Solar room	128.00	m2	\$	130.00	16,640.00	Allowance for render/ plaster and paint
	to Sports Science room	212.00	m2	\$	130.00	27,560.00	Allowance for render/ plaster and paint
	to Staff Kit room	60.00	m2	\$	130.00	7,800.00	Allowance for render/ plaster and paint
	to Staff Room	161.00	m2	\$	130.00	20,930.00	Allowance for render/ plaster and paint
	to Teaching & Study room	202.00	m2	\$	130.00	26,260.00	Allowance for render/ plaster and paint
7.9.35	Waterproofing						
	Allowance for waterproofing to wet areas	2,546.00	m2	\$	110.00	280,060.00	Allowance for Liquid Membrane
7.9.38	Backgrounds						
	Allowance for plaster backgrounds	1.00	Item	\$	30,000.00	30,000.00	
7.9.40	Feature walls and linings						
	Allowance for internal feature walls and linings to internal walls	961.10	m2	\$	175.00	168,192.50	Allowance for extra over for feature walls
7.9.42	Sundry						
	Allowance for sundry items	1.00	Item	\$	10,000.00	10,000.00	
	WALL FINISHES	9,611.00	m2				
13	FLOOR FINISHES			\$	1,290,675.00		
	FLOOR FINISHES			\$	1,290,675.00		
7.10.1	To Wet Areas						
	to ACC CH room	60.00	m2	\$	150.00	9,000.00	Allowance for tiles
	to Amenities room	43.00	m2	\$	150.00	6,450.00	Allowance for tiles
	to Female change room	70.00	m2	\$	150.00	10,500.00	Allowance for tiles
	to Male change room	70.00	m2	\$	150.00	10,500.00	Allowance for tiles
	to Change village room	176.00	m2	\$	150.00	26,400.00	Allowance for tiles
	to Unisex CH room	24.00	m2	\$	150.00	3,600.00	Allowance for tiles
	to Group CH WC room	6.00	m2	\$	150.00	900.00	Allowance for tiles
	to Pool Area room	1,725.00	m2	\$	150.00	258,750.00	Allowance for tiles
7.10.10	To Dry Areas						
	to Group CH room	77.00	m2	\$	150.00	11,550.00	Allowance for tiles
	to Aquatic plant room	256.00	m2	\$	75.00	19,200.00	Allowance for polished concrete finish
	to Bin store room	23.00	m2	\$	75.00	1,725.00	Allowance for polished concrete finish
	to Circulation Area room	2,015.00	m2	\$	75.00	151,125.00	Allowance for polished concrete finish
	to Clnr ST room	7.00	m2	\$	100.00	700.00	Allowance for Carpet
	to Comms room	10.00	m2	\$	75.00	750.00	Allowance for polished concrete finish
	to Consult room	39.00	m2	\$	100.00	3,900.00	Allowance for Carpet
	to Store room	245.00	m2	\$	100.00	24,500.00	Allowance for Carpet
	to Creche room	109.00	m2	\$	100.00	10,900.00	Allowance for Carpet
	to Dexa Room	13.00	m2	\$	100.00	1,300.00	Allowance for Carpet

	to First Aid room	16.00	m2	\$	100.00	1,600.00	Allowance for Carpet
	to Fitness Testing room	20.00	m2	\$	100.00	2,000.00	Allowance for Carpet
	to Foyer & Waiting Lounge room	319.00	m2	\$	100.00	31,900.00	Allowance for Carpet
	to Gym room	638.00	m2	\$	325.00	207,350.00	Allowance for gym-grade suspended rubber flooring
	to Kitchen room	33.00	m2	\$	150.00	4,950.00	Allowance for Tiles
	to Main Switch Room	62.00	m2	\$	75.00	4,650.00	Allowance for polished concrete finish
	to MGR off room	10.00	m2	\$	100.00	1,000.00	Allowance for Carpet
	to MTG RM room	34.00	m2	\$	100.00	3,400.00	Allowance for Carpet
	to Nicsh Admin & Sports Office room	249.00	m2	\$	100.00	24,900.00	Allowance for Carpet
	to Program Room	341.00	m2	\$	100.00	34,100.00	Allowance for Carpet
	to Rehab Room	38.00	m2	\$	100.00	3,800.00	Allowance for Carpet
	to Roof Plant Access room	13.00	m2	\$	75.00	975.00	Allowance for polished concrete finish
	to Sauna room	21.00	m2	\$	150.00	3,150.00	Allowance for Tiles
	to Solar room	32.00	m2	\$	75.00	2,400.00	Allowance for polished concrete finish
	to Sports Science room	166.00	m2	\$	100.00	16,600.00	Allowance for Carpet
	to Staff Kit. room	15.00	m2	\$	100.00	1,500.00	Allowance for Carpet
	to Staff Room	64.00	m2	\$	100.00	6,400.00	Allowance for Carpet
	to Teaching & Study room	196.00	m2	\$	100.00	19,600.00	Allowance for Carpet
7.10.39	Waterproofing						
	Allowance for waterproofing to wet areas	2,174.00	m2	\$	100.00	217,400.00	Liquid Membrane
7.10.42	Entry Mat						
	Allowance for entry mat	1.00	Item	\$	3,000.00	3,000.00	
7.10.44	Doors Thresholds						
	Allowance for door thresholds	1.00	Item	\$	10,000.00	10,000.00	
7.10.46	Floor Joints						
	Allowance for floor Joints	1.00	Item	\$	10,000.00	10,000.00	
7.10.48	Skirting						
	Allowance for skirtings (Total Skirting length: 1530m approximately)	1,530.00	m	\$	30.00	45,900.00	
7.10.50	Floor Screed						
	Allowance for screeding below floor finish	7,235.00	m2	\$	10.00	72,350.00	
7.10.52	Sundry						
	Allowance for sundry items	1.00	Item	\$	10,000.00	10,000.00	
	FLOOR FINISHES	7,235.00	m2				

14	CEILING FINISHES				\$	1,181,720.00	
	CEILING FINISHES				\$	1,181,720.00	
7.11.1	To Wet Areas						
	ACC CH	60.00	m2	\$	170.00	10,200.00	Allowance for plasterboard
	Amenities	43.00	m2	\$	170.00	7,310.00	Allowance for plasterboard
	Female change	70.00	m2	\$	170.00	11,900.00	Allowance for plasterboard
	Male change	70.00	m2	\$	170.00	11,900.00	Allowance for plasterboard
	Change village	176.00	m2	\$	170.00	29,920.00	Allowance for plasterboard
	Unisex CH	24.00	m2	\$	170.00	4,080.00	Allowance for plasterboard
	Group CH	83.00	m2	\$	170.00	14,110.00	Allowance for plasterboard
7.11.9	To Dry Areas						
	Aquatic plant	256.00	m2	\$	130.00	33,280.00	Allowance for plasterboard
	Bn store	23.00	m2	\$	130.00	2,990.00	Allowance for plasterboard
	Circulation Area	3,741.00	m2	\$	130.00	486,330.00	Allowance for plasterboard
	Clbr ST	7.00	m2	\$	130.00	910.00	Allowance for plasterboard
	Comms room	10.00	m2	\$	130.00	1,300.00	Allowance for plasterboard
	Consult	39.00	m2	\$	130.00	5,070.00	Allowance for plasterboard
	Store	245.00	m2	\$	130.00	31,850.00	Allowance for plasterboard
	Creche	109.00	m2	\$	130.00	14,170.00	Allowance for plasterboard
	Dexa Room	13.00	m2	\$	130.00	1,690.00	Allowance for plasterboard
	First Aid	16.00	m2	\$	130.00	2,080.00	Allowance for plasterboard
	Fitness Testing	20.00	m2	\$	130.00	2,600.00	Allowance for plasterboard
	Foyer & Waiting Lounge	319.00	m2	\$	130.00	41,470.00	Allowance for plasterboard
	Gym	638.00	m2	\$	130.00	82,940.00	Allowance for plasterboard
	Kitchen	33.00	m2	\$	130.00	4,290.00	Allowance for plasterboard
	Main Switch Room	62.00	m2	\$	130.00	8,060.00	Allowance for plasterboard
	MGR off	10.00	m2	\$	130.00	1,300.00	Allowance for plasterboard
	MTG RM	34.00	m2	\$	130.00	4,420.00	Allowance for plasterboard
	Nicsh Admin & Sports Office	249.00	m2	\$	130.00	32,370.00	Allowance for plasterboard
	Program Room	341.00	m2	\$	130.00	44,330.00	Allowance for plasterboard
	Rehab Room	38.00	m2	\$	130.00	4,940.00	Allowance for plasterboard
	Roof Plant Access	13.00	m2	\$	130.00	1,690.00	Allowance for plasterboard
	Sauna	21.00	m2	\$	130.00	2,730.00	Allowance for plasterboard
	Solar	32.00	m2	\$	130.00	4,160.00	Allowance for plasterboard
	Sports Science	166.00	m2	\$	130.00	21,580.00	Allowance for plasterboard
	Staff Kit	15.00	m2	\$	130.00	1,950.00	Allowance for plasterboard
	Staff Room	64.00	m2	\$	130.00	8,320.00	Allowance for plasterboard
	Teaching & Study	196.00	m2	\$	130.00	25,480.00	Allowance for plasterboard
7.11.37	Bulkheads						
	Allowance for bulkheads to false ceilings	1.00	Item	\$	75,000.00	75,000.00	
7.11.39	Light coves						
	Allowance for light coves to false ceilings	1.00	Item	\$	75,000.00	75,000.00	
7.11.41	Trap Doors						
	Allowance for trap doors to false ceilings	20.00	Item	\$	3,000.00	60,000.00	
7.11.43	Sundry						
	Allowance for sundry items	1.00	Item	\$	10,000.00	10,000.00	
	CEILING FINISHES	7,236.00	m2				

15	FITMENTS				\$	239,600.00	
	FITMENTS				\$	239,600.00	
7.12.1	Joinery						
	Toilet Counter 450mm wide	1.00	Item	\$	10,000.00	10,000.00	
	Staff Kitchen Wash Counter 593 x 1980	2.00	No	\$	3,000.00	6,000.00	
	Bench 475 to 510 wide	35.00	m	\$	600.00	21,000.00	
	Change Room Island Bench 1200x4700	1.00	No	\$	5,000.00	5,000.00	
	Circulation Island Bench 1200x2404	5.00	No	\$	3,000.00	15,000.00	
	Meeting Room Cabinet 475 x 4842	1.00	No	\$	5,000.00	5,000.00	
	Manager Office Cabinet 490x2400	1.00	No	\$	3,000.00	3,000.00	
	Staff Kitchen Cabinet 950 x 762	1.00	No	\$	3,000.00	3,000.00	
	Allowance for Kitchen Cabinets	1.00	Item	\$	20,000.00	20,000.00	
	Allowance for furniture to COMMS room	1.00	Item	\$	20,000.00	20,000.00	
7.12.12	Mirrors						
	Fixed mirrors above toilet counters	15.00	m2	\$	400.00	6,000.00	
	Loose mirrors above wash basins	7.00	m2	\$	400.00	2,800.00	
7.12.15	White Boards, Pinboards etc						
	Allowance for White boards, Pinboards etc	1.00	Item	\$	3,000.00	3,000.00	
7.12.17	Lockers						
	Change Room Lockers 490 (W) x 3300 (L)	1.00	No	\$	15,000.00	15,000.00	
	Change Room Lockers 490 (W) x 5095 (L)	1.00	No	\$	15,000.00	15,000.00	
7.12.20	Signage						
	Allowance for statutory signage	1.00	Item	\$	20,000.00	20,000.00	
	Allowance for wayfinding signage	1.00	Item	\$	20,000.00	20,000.00	
	Allowance for External Architectural building signage (2 Nos at building Façade)	2.00	Item	\$	25,000.00	50,000.00	
	FITMENTS	78.00	No				

	FF&E & LOOSE EQUIPMENTS				\$	30,000.00	
7.18.1	Reception						
	Cafeteria Counter 900 (W) x 6600 (L)	1.00	No	\$	15,000.00	15,000.00	
	Reception Counter 900 (W) x 11740 (L); L-Shaped	1.00	No	\$	15,000.00	15,000.00	
7.18.4	Desks, Chairs						
	Type 1 Chairs to Reception Workstation	1.00	No	\$	500.00	-	- Asset owner to purchase separately
	Type 2 Chairs to Reception Workstation	1.00	No	\$	500.00	-	- Asset owner to purchase separately
	Type 1 Chairs to Lounge Table	25.00	No	\$	500.00	-	- Asset owner to purchase separately
	Type 2 Chairs to Lounge Table	21.00	No	\$	500.00	-	- Asset owner to purchase separately
	Chair to Gym Office Table	3.00	No	\$	500.00	-	- Asset owner to purchase separately
	Chair to Manager Office Table	1.00	No	\$	500.00	-	- Asset owner to purchase separately
	Chairs to Meeting Room Table	20.00	No	\$	500.00	-	- Asset owner to purchase separately
	Chairs to Staff Kitchen Table	6.00	No	\$	500.00	-	- Asset owner to purchase separately
	Chairs to Staff Table	8.00	No	\$	500.00	-	- Asset owner to purchase separately
	Chairs to Staff Room Workstations	9.00	No	\$	500.00	-	- Asset owner to purchase separately
7.18.15	Tables, workstations						
	Reception Workstation 900 (W) x 3640 (L)	1.00	No	\$	3,000.00	-	- Asset owner to purchase separately
	Staff Room Workstation 600x1388	8.00	No	\$	3,000.00	-	- Asset owner to purchase separately
	Staff Room Workstation 795x1500	1.00	No	\$	3,000.00	-	- Asset owner to purchase separately
	Gym Office Table 796 (W) x 1490 (L)	2.00	No	\$	1,500.00	-	- Asset owner to purchase separately
	Manager Office Table with 1 Chair 795 (W) x 1500 (L)	1.00	No	\$	1,500.00	-	- Asset owner to purchase separately
	Meeting Room Table with 10 Chairs 897 (W) x 3013 (L)	2.00	No	\$	8,000.00	-	- Asset owner to purchase separately
	Staff Kitchen Table with 6 Chairs 898 (W) x 2400 (L)	1.00	No	\$	5,000.00	-	- Asset owner to purchase separately
	Staff Table with 8 Chairs 914 (W) x 2404 (L)	1.00	No	\$	6,500.00	-	- Asset owner to purchase separately
	Lounge Table 711 (W) x 711 (L)	23.00	No	\$	1,000.00	-	- Asset owner to purchase separately
7.18.25	Sofa						

	Type 1 Foyer Furniture 745 (W) x 2100 (L)	2.00	No	\$	3,000.00	-	Asset owner to purchase separately
	Type 2 Foyer Furniture 745 (W) x 2100 (L)	1.00	No	\$	3,000.00	-	Asset owner to purchase separately
	Waiting Area Sofa 593 (W) x 3590 (L)	2.00	No	\$	4,500.00	-	Asset owner to purchase separately
7.18.29	Garbage Bins						
	Garbage Bins 1253 x 1371	6.00	No	\$	300.00	-	Asset owner to purchase separately
	FF&E & LOOSE EQUIPMENTS	148.00	No				
16	BUILDING SERVICES				\$ 5,721,261.00		
	Mechanical				\$ 218,350.00		
	Ductwork						
	AC Ductwork	333.00	m	\$	350.00	\$	116,550.00
	AC Ductwork (Return)	188.00	m	\$	350.00	\$	65,800.00
	AC Ductwork Riser	5.00	each	\$	350.00	\$	1,750.00
	AC Ductwork Riser (Return)	5.00	each	\$	350.00	\$	1,750.00
	Equipment						
	AC Exhaust	1.00	each	\$	7,500.00	\$	7,500.00
	AC Intake	1.00	each	\$	7,500.00	\$	7,500.00
	AC PACS	3.00	each	\$	2,500.00	\$	7,500.00
	VRF Condenser Bank	4.00	each	\$	2,500.00	\$	10,000.00
	Mechanical	521.00	m				
	Electrical Power/ Light				\$ 4,016,290.00		
	Cable/Conduits						
	Conduit - 300mm	152.00	m	\$	195.00	\$	29,640.00
	Elec - UG	177.00	m	\$	550.00	\$	97,350.00
	Equipment						
	AHC - Automatic Humidity Control	2.00	each	\$	25,500.00	\$	51,000.00
	BESS	-	each		\$		-
	Distribution Board	13.00	each	\$	30,000.00	\$	390,000.00
	EV Charge Points	38.00	each	\$	1,500.00	\$	57,000.00
	HSSB	5.00	each	\$	125,000.00	\$	625,000.00
	Inverter	6.00	each	\$	4,500.00	\$	27,000.00
	Main Switchboard	2.00	each	\$	175,000.00	\$	350,000.00
	Mains	2.00	each	\$	240,000.00	\$	480,000.00
	MSSB	8.00	each	\$	35,000.00	\$	280,000.00
	Substation (Total capacity = 1.8MVA)	2.00	each	\$	550,000.00	\$	1,100,000.00
	Cable Management	1.00	Item	\$	75,000.00	\$	75,000.00
	Solar Panels						
	Solar Panels 43kW	100.00	no	\$	650.00	\$	65,000.00
	Solar Panels 271kW	602.00	no	\$	650.00	\$	391,300.00
	Electrical	329.00	m				
	Potable Water/ Water				\$ 168,446.00		
	30KW Heat Pump (3x30KW + 4x2000L Storage Tank)	1.00	each	\$	50,000.00	\$	50,000.00
	Above Ground Rainwater Tank (45000L)	4.00	each	\$	8,500.00	\$	34,000.00
	Above Ground Rainwater Treatment Plant & Pumps	2.00	each	\$	20,000.00	\$	40,000.00
	Domestic Cold Water Booster Pumps	1.00	each	\$	3,500.00	\$	3,500.00
	Domestic Hot Water Booster Pumps	2.00	each	\$	3,500.00	\$	7,000.00
	Hot Water Storage Tank	1.00	each	\$	10,000.00	\$	10,000.00
	Water Main Meter	1.00	each	\$	5,000.00	\$	5,000.00
	Pipe						
	Water Main Connection	21.00	m	\$	426.00	\$	8,946.00
	Live Connection works	1.00	lump	\$	10,000.00	\$	10,000.00
	Potable Water	-	m				
	Hydraulic				\$ 381,700.00		
	Sanitary Works to wet area						
	to Change Village						
	Cleaners Sink including tapware	1.00	No	\$	2,000.00		2,000.00
	Showers with mixers	10.00	No	\$	1,500.00		15,000.00
	to Female Amenities (Change Village)						
	WC - water closet	4.00	No	\$	1,800.00		7,200.00
	WC - water closet for handicap toilet	1.00	No	\$	2,200.00		2,200.00
	WB - wash basin	3.00	No	\$	800.00		2,400.00
	Grab bar for handicap toilet	2.00	No	\$	1,000.00		2,000.00
	Floor waste outlet	2.00	No	\$	500.00		1,000.00
	to Male Amenities (Change Village)						
	WC - water closet	4.00	No	\$	1,800.00		7,200.00
	WC - water closet for handicap toilet	1.00	No	\$	2,200.00		2,200.00
	WB - wash basin	3.00	No	\$	800.00		2,400.00
	Grab bar for handicap toilet	2.00	No	\$	1,000.00		2,000.00
	Floor waste outlet	2.00	No	\$	500.00		1,000.00
	to ACC CH (Change Village)						
	WB - wash basin with mixers	2.00	No	\$	800.00		1,600.00
	Soap dispenser	4.00	No	\$	500.00		2,000.00
	WC - water closet with cistern	2.00	No	\$	2,200.00		4,400.00
	Toilet roll holder to ACC Toilet	2.00	No	\$	500.00		1,000.00
	Pair of Accessible grab Rails	2.00	No	\$	2,000.00		4,000.00
	965x390 Fold down shower seat	2.00	No	\$	1,000.00		2,000.00
	Pair of Shower grab rails to ACC Shower	2.00	No	\$	2,000.00		4,000.00
	Shower Rail to ACC Shower	2.00	No	\$	1,000.00		2,000.00
	Coat hook	4.00	No	\$	250.00		1,000.00
	Shower Curtain including rod 1170 wide	2.00	No	\$	750.00		1,500.00
	Floor waste outlet	2.00	No	\$	500.00		1,000.00
	to Unisex CH (Change Village)						
	WB - wash basin with mixers	2.00	No	\$	800.00		1,600.00
	Soap dispenser	4.00	No	\$	500.00		2,000.00
	WC - water closet with cistern	2.00	No	\$	2,200.00		4,400.00
	Toilet roll holder to standard toilet	2.00	No	\$	500.00		1,000.00
	Shower	2.00	No	\$	3,500.00		7,000.00
	Shower Rail	2.00	No	\$	500.00		1,000.00
	Coat hook	4.00	No	\$	250.00		1,000.00
	Floor waste outlet	2.00	No	\$	500.00		1,000.00
	to Female Change						
	WC - water closet	6.00	No	\$	1,800.00		10,800.00
	WC - water closet for handicap toilet	1.00	No	\$	2,200.00		2,200.00
	Toilet roll holder	7.00	No	\$	500.00		3,500.00
	WB - wash basin	5.00	No	\$	800.00		4,000.00
	Soap dispenser	14.00	No	\$	500.00		7,000.00
	Grab bar for handicap toilet	2.00	No	\$	1,000.00		2,000.00
	Showers set with mixers	9.00	No	\$	1,000.00		9,000.00
	Shower grab rails	9.00	No	\$	1,000.00		9,000.00
	Hand Dryers [HD]	2.00	No	\$	2,000.00		4,000.00
	Floor waste outlet	3.00	No	\$	500.00		1,500.00
	to Male Change						
	WC - water closet	5.00	No	\$	1,800.00		9,000.00
	WC - water closet for handicap toilet	1.00	No	\$	2,200.00		2,200.00
	Toilet roll holder	6.00	No	\$	500.00		3,000.00
	WB - wash basin	5.00	No	\$	800.00		4,000.00
	Soap dispenser	11.00	No	\$	500.00		5,500.00
	Grab bar for handicap toilet	2.00	No	\$	1,000.00		2,000.00
	Urinals	6.00	No	\$	3,500.00		21,000.00
	Showers set with mixers	6.00	No	\$	1,500.00		9,000.00
	Shower grab rails	6.00	No	\$	1,000.00		6,000.00
	Hand Dryers [HD]	2.00	No	\$	2,000.00		4,000.00
	Floor waste outlet	3.00	No	\$	500.00		1,500.00
	to ACC CH						
	WB - wash basin with mixers	7.00	No	\$	1,000.00		7,000.00
	Soap dispenser	14.00	No	\$	500.00		7,000.00
	WC - water closet with cistern	7.00	No	\$	2,200.00		15,400.00
	Toilet roll holder to ACC Toilet	7.00	No	\$	600.00		4,200.00
	Pair of Accessible grab Rails	7.00	No	\$	2,000.00		14,000.00
	Pair of Shower grab rails to ACC Shower	7.00	No	\$	2,000.00		14,000.00
	965x390 Fold down shower seat	7.00	No	\$	1,000.00		7,000.00
	Shower Rail to ACC Shower	7.00	No	\$	1,000.00		7,000.00
	Coat hook	7.00	No	\$	100.00		700.00
	Shower Curtain including rod 1170 wide	7.00	No	\$	750.00		5,250.00
	Floor waste outlet	7.00	No	\$	500.00		3,500.00
	to UNISEX CH						
	WB - wash basin with mixers	2.00	No	\$	1,000.00		2,000.00
	Soap dispenser	4.00	No	\$	500.00		2,000.00

	WC - water closet with cistern	2.00	No	\$	2,200.00	4,400.00	
	Toilet roll holder to standard toilet	2.00	No	\$	600.00	1,200.00	
	Shower	2.00	No	\$	3,500.00	7,000.00	
	Shower Rail	2.00	No	\$	1,000.00	2,000.00	
	Shower grab rails	2.00	No	\$	1,000.00	2,000.00	
	Hand Dryers (HD)	2.00	No	\$	2,000.00	4,000.00	
	Floor waste outlet	2.00	No	\$	500.00	1,000.00	
	to Kitchen						
	Kitchen counter with single sink	1.00	No	\$	5,000.00	5,000.00	
	Kitchen counter with double sink	1.00	No	\$	8,000.00	8,000.00	
	Paper towel dispenser to kitchens	1.00	No	\$	650.00	650.00	
	Floor waste outlet	1.00	No	\$	500.00	500.00	
	WB - wash basin with mixers	1.00	No	\$	1,000.00	1,000.00	
	Soap dispenser	1.00	No	\$	500.00	500.00	
	to Creche						
	WB - wash basin with mixers	1.00	No	\$	1,000.00	1,000.00	
	Soap dispenser	1.00	No	\$	500.00	500.00	
	WC - water closet with cistern	1.00	No	\$	2,200.00	2,200.00	
	Baby change table	1.00	No	\$	600.00	600.00	
	to Group CH 1 & 2						
	WB - wash basin with mixers	2.00	No	\$	1,000.00	2,000.00	
	Soap dispenser	2.00	No	\$	500.00	1,000.00	
	WC - water closet with cistern	2.00	No	\$	2,200.00	4,400.00	
	Toilet roll holder	2.00	No	\$	600.00	1,200.00	
	Hand Dryers (HD)	2.00	No	\$	2,000.00	4,000.00	
	Concourse Shower						
	Concourse Shower	3.00	No	\$	6,000.00	18,000.00	
	Others						
	Hydrau - Trade Waste Pipe	26.00	m	\$	200.00	5,200.00	
	Equipment						
	Safety Shower	1.00	each	\$	5,000.00	5,000.00	
	Hydraulic	367.00	m				
	Sewer					\$ 61,000.00	
	Pipes Allowance	100.00	m	\$	350.00	35,000.00	
	Inground Grease Arrestor (3000L)	1.00	each	\$	18,500.00	18,500.00	
	Inground Pool Plant Sewer Pump	1.00	each	\$	7,500.00	7,500.00	
	Sewer						
	Fire Services					\$ 261,464.00	
	Pipes Allowance	200.00	m	\$	250.00	50,000.00	
	Fire Hose Reel	11.00	each	\$	2,500.00	27,500.00	
	Fire Hydrant	12.00	each	\$	5,747.00	68,964.00	
	Fire Hydrant Pumps	2.00	each	\$	20,000.00	40,000.00	
	Fire Water Storage 144000L	1.00	each	\$	75,000.00	75,000.00	
	Fire Services						
	Gas					\$ 5,000.00	
	Allowance for gas isolation	1.00	item	\$	5,000.00	5,000.00	
	Gas						
	Gas	1.00	m				
	Communications					\$ 229,511.00	
	Comms - Comms Rack	3.00	each	\$	35,000.00	105,000.00	
	Communication head-end equipment	1.00	Sum	\$	50,000.00	50,000.00	
	Comms - Comms Room 3000x3000	9.00	m2	\$	5,000.00	45,000.00	Including cooling
	Comms - Conduit - 150mm	135.00	m	\$	160.00	21,600.00	Rate includes supply, excavate, bedding, place, backfill, warning tape, spoil.
	Comms - Fibre Optic	135.00	m	\$	58.60	7,911.00	
	Communications	135.00	m				
	Security					\$ 377,500.00	
	CCTV	1.00	Sum	\$	105,000.00	105,000.00	
	Alarm Systems	1.00	Sum	\$	90,000.00	90,000.00	
	Security System	1.00	Sum	\$	107,500.00	107,500.00	
	Public address System	1.00	Sum	\$	75,000.00	75,000.00	
	Security	1.00	m				
	17 CARPARK					\$ 2,312,078.68	
	Stage 1						
	7.1.1 Carparking					\$ 1,563,500.00	
	Excavation (assume 350mm depth)	2,163.70	m3	\$	85.00	183,914.50	
	Disposal of excavated material	2,163.70	m3	\$	25.00	54,092.50	Re-use on vacant land site to the westas per Tamworth Council
	Finish hardscape asphalt for vehicles	6,182.00	m2	\$	200.00	1,236,400.00	Deep pavement assumed. Scope contingency to reduce the pavement depth.
	Allowance for concrete edge haunching	1.00	Item	\$	30,000.00	30,000.00	
	Allowance for Cross-overs	1.00	Item	\$	30,000.00	30,000.00	
	Concrete Kerbs	1,269.00	m	\$	150.00	190,350.00	
	Allowance for Concrete Slotted Kerbs	1.00	Item	\$	30,000.00	30,000.00	
	Wheel Stops	187.00	No	\$	250.00	46,750.00	
	7.1.7 Road marking					\$ 38,711.68	
	Parking lines	1,007.00	m	\$	2.94	2,960.58	
	Accessible parking symbol	8.00	No	\$	550.00	4,400.00	
	Allowance for Hazard lines at Accessible parking	1.00	Item	\$	150.00	150.00	
	Allowance for Carpark numbering	1.00	Item	\$	10,000.00	10,000.00	
	Allowance for Handicap Carpark Symbols	6.00	No	\$	350.00	2,100.00	
	Parking Bay	1.00	No	\$	250.00	250.00	
	Arrows	27.00	No	\$	250.00	6,750.00	
	Zebra Crossings 2400 (W) x 6975 (L)	1.00	No	\$	1,362.30	1,362.30	
	Zebra Crossings 2400 (W) x 6600 (L)	6.00	No	\$	1,504.80	9,028.80	
	Zebra Crossings 3000 (W) x 6600 (L)	1.00	No	\$	1,710.00	1,710.00	
	Metalwork					\$ 34,500.00	
	Allowance for Bollards at accessible parking	1.00	Item	\$	4,500.00	4,500.00	
	Carpark Signage	1.00	Item	\$	30,000.00	30,000.00	
	7.1.20 Footpath pavement					\$ 437,360.00	
	Finish hardscape concrete for pedestrians	1,988.00	m2	\$	220.00	437,360.00	Reduce extent by 50%
	Stage 1						
	8,170.00, m2						
	18 LANDSCAPING					\$ 620,285.00	
	Stage 1						
	8.1.1 Shrubs, Trees, Plants						
	Trees	202.00	No	\$	85.00	17,170.00	
	Protection of existing trees	7.00	No	\$	1,250.00	8,750.00	
	Mow (managed grass)	1,250.00	m2	\$	35.00	43,750.00	
	Specific feature planting area	219.00	m2	\$	95.00	20,805.00	
	Planting in parking area	383.00	m2	\$	55.00	21,065.00	
	Ground cover shrubs & rocks	5,849.00	m2	\$	45.00	-	
	Landscape Swale drain - Potential pond area for drainage	739.00	m2	\$	55.00	-	
	Existing northern embankment cut	166.00	m2	\$	55.00	9,130.00	
	Existing northern embankment fill	121.00	m2	\$	55.00	6,655.00	
	8.1.11 Concrete Pavements						
	Exposed concrete paving	964.00	m2	\$	230.00	221,720.00	
	Feature specialised exposed aggregate paving	121.00	m2	\$	350.00	42,350.00	
	1.5m gravel path graded away from the facade	124.00	m2	\$	230.00	28,520.00	
	8.1.15 Seating						
	Square timber seat 2000 x 2000	4.00	No	\$	3,500.00	-	Asset owner to purchase separately
	Timber Bench	13.00	m	\$	1,200.00	-	Asset owner to purchase separately
	Concrete retaining seat edge with timber top	23.00	m	\$	2,200.00	-	Asset owner to purchase separately
	8.1.19 Screens						
	Fence 1535mm high, to Creche	19.00	m	\$	250.00	4,750.00	
	Fence 2450mm high, to Outdoor area (West)	64.00	m	\$	400.00	25,600.00	
	Fence 2450mm high, to Service Enclosure	27.00	m	\$	400.00	10,800.00	
	Service enclosure, fence door 2300 (W) x 2450 (H)	1.00	No	\$	3,000.00	3,000.00	
	Prefabricated fire pump enclosure	13.00	m	\$	400.00	5,200.00	
	8.1.25 Bins						
	Outdoor Bins	4.00	No	\$	500.00	-	Asset owner to purchase separately
	8.1.27 Outdoor Chairs						
	Type 1 Outdoor Chairs to Lounge Table	14.00	No	\$	1,000.00	-	Asset owner to purchase separately
	Type 2 Outdoor Chairs to Lounge Table	8.00	No	\$	1,000.00	-	Asset owner to purchase separately
	Chairs to Outdoor Circular Table	20.00	No	\$	1,000.00	-	Asset owner to purchase separately
	8.1.31 Outdoor Tables						
	Outdoor Lounge Table 711 (W) x 711 (L)	11.00	No	\$	1,500.00	-	Asset owner to purchase separately
	Outdoor Circular Table with 4 Chairs 900mm dia	5.00	No	\$	2,500.00	-	Asset owner to purchase separately
	8.1.34 Timber Bridge						
	Timber bridges including supports, civil works, finish, handrails etc.	52.00	m2	\$	3,500.00	-	Asset owner to purchase separately
	8.1.36 Shade Structure						
	Shade structure size, 2700 (W) x 2700 (L)	14.00	No	\$	10,000.00	-	Asset owner to purchase separately

	Shade structure size: 4000 (W) x 4000 (L)	2.00	No	\$	20,000.00	-	Asset owner to purchase separately
	Shade structure size: 3800 (W) x 21900 (L); to Drop-off area	1.00	No	\$	67,500.00	-	Optional in tender
8.1.40	Bike Racks						
	Bike racks	9.00	No	\$	2,000.00	18,000.00	
8.1.42	Drinking Fountain						
	Allowance for Drinking Fountain	1.00	No	\$	10,000.00	10,000.00	
8.1.44	Nature Play						
	Allowance for Nature Play	1.00	Item	\$	35,000.00	35,000.00	
8.1.46	Three Phase Power						
	Three Phase Power for plaza activation opportunities	1.00	No	\$	30,000.00	30,000.00	
8.1.48	Lighting poles						
	Lighting poles	8.00	No	\$	6,000.00	48,000.00	
8.1.50	Entry Signage						
	Way finding, entry signage	1.00	Item	\$	10,000.00	10,000.00	
	Stage 1				9,936.00	m2	
19	Stormwater Drainage					\$ 433,675.93	
	OSD Tank					\$ -	
	Detailed Excavation					\$ -	
	Detailed excavation	167.75	m3	\$	85.00	\$ -	
	Imported Structural Fill					\$ -	
	Imported Structural Fill / Lean Mix Concrete	167.75	m3	\$	530.00	\$ -	
	Binding Concrete - 100mm thick	559.17	m2	\$	58.38	\$ -	
	Allowance for Precast OSD Tank	1.00	Item	\$	1,000,000.00	-	OSD to be incorporated into existing detention basin
	Base Slab/Footing	391.42	m3				Allowance above
	Concrete Walls - Lengths	327.00	m3				Allowance above
	Concrete Walls - Widths	213.75	m3				Allowance above
	Top slab - suspended slab	391.42	m3				Allowance above
	OSD Tank				894.67	m3	
	Swale					\$ 98,345.26	
	Excavation	228.00	m3	\$	45.70	\$ 10,419.60	
	Grass/Rock pitching Treatment	807.43	m2	\$	108.90	\$ 87,929.66	
	Swale				807.43	m2	
	Pipeworks					\$ 206,928.83	
	Excavation					\$ -	
	Excavation - trench for pipes	931.18	m3	\$	-	\$ -	covered below
	Supply and Install RCP Pipes					\$ 206,928.83	rates include supply pipe, sawcutting, trenching, bedding, lay pipe, and backfill and spoil.
	225 Dia Pipe	34.00	m	\$	187.91	\$ 6,389.04	assumed Class 2
	300 Dia Pipe	136.00	m	\$	221.18	\$ 30,080.21	*
	375 Dia Pipe	145.00	m	\$	278.59	\$ 40,394.83	assumed Class 4
	450 Dia Pipe	89.00	m	\$	336.31	\$ 29,931.59	*
	525 Dia Pipe	31.00	m	\$	380.55	\$ 11,797.02	*
	600 Dia Pipe	45.00	m	\$	441.30	\$ 19,858.68	*
	750 Dia Pipe	92.00	m	\$	625.96	\$ 57,587.86	*
	900 Dia Pipe	13.00	m	\$	837.66	\$ 10,889.61	*
	Pipeworks				585.00	m	
	Pits					\$ 128,397.84	
	Excavation					\$ 5,397.84	
	Excavation - pits	63.50	m3	\$	85.00	\$ 5,397.84	
	Supply and Install Pits					\$ 123,000.00	
	Pit Type 1 - 500 x 1000	6.00	each	\$	3,000.00	\$ 18,000.00	
	Pit Type 2 - 800 x 800	4.00	each	\$	4,000.00	\$ 16,000.00	
	Pit Type 3 - 1000 x 1000	6.00	each	\$	5,000.00	\$ 30,000.00	
	Pit Type 4 - Buffer - 1200 x 1200	2.00	each	\$	6,000.00	\$ 12,000.00	
	Pit Type 5 - Buffer - 1000 x 1000	4.00	each	\$	5,000.00	\$ 20,000.00	
	Pit Type 6 - Buffer - 600 x 900	9.00	each	\$	3,000.00	\$ 27,000.00	
	Pits				31.00	each	
20	EXTERNAL SERVICES					\$ 162,660.00	
	Sitewide Sewer					\$ 162,660.00	
	Relocation of sewer - 150mm dia.					\$ 162,660.00	assumed worse case scenario of complete replacement of existing with new.
	Removal of existing sewer pits	5.00	each	\$	461.00	\$ 2,305.00	Rate includes demolition, load rubble, cart and tipfee
	Removal of existing - 150mm dia. Pipe	300.00	m	\$	51.00	\$ 15,300.00	Rate includes excavate and backfill
	Excavate and install new sewer pits	5.00	each	\$	5,311.00	\$ 26,555.00	
	Excavate and install new sewer - 150mm dia. Pipe	300.00	m	\$	395.00	\$ 118,500.00	Assumed worse case scenario of rising sewer main, e.g with pressure.
							Rate includes Excavation, Bedding, Pipe Surround, Backfill, Spot, Pipe (supply & install) and pressure testing.
	Sitewide Sewer				300.00	m	
21	Pool Specific Equipment					\$ 6,144,854.38	
	Supply of Equipment					\$ 2,750,780.94	
10.1	Delivery of Equipment					\$ 100,000.00	
	Freight	1.00	Item	\$	100,000.00	\$ 100,000.00	
						\$ -	\$ -
	Delivery of Equipment				41,239.78	Items	
	50M Pool Equipment Schedule					\$ 1,342,265.63	
	Hair And Lint Strainer	4.00	each	\$	4,480.00	\$ 17,920.00	
	Pool Filtration Pump	5.00	each	\$	28,500.00	\$ 142,500.00	
	Ultra-Fine Filter	2.00	each	\$	342,800.00	\$ 685,200.00	
	Chemical Control	1.00	each	\$	24,280.00	\$ 24,280.00	
	Uv Units	2.00	each	\$	47,620.00	\$ 95,240.00	
	Heat Pump	2.00	each	\$	83,320.31	\$ 166,640.63	
	Chlorinator Circulation Pump	1.00	each	\$	18,160.00	\$ 18,160.00	
	Low Salt Electrochlorination	1.00	each	\$	169,125.00	\$ 169,125.00	
	Chemical Dosing Pump	1.00	each	\$	23,200.00	\$ 23,200.00	
	50M Pool Equipment Schedule				19.00	Items	
	Warm Water Pool Equipment Schedule					\$ 578,850.31	
	Hair And Lint Strainer	2.00	each	\$	3,940.00	\$ 7,880.00	
	Hair And Lint Strainer	1.00	each	\$	3,400.00	\$ 3,400.00	
	Pool Filtration Pump	2.00	each	\$	21,840.00	\$ 43,680.00	
	Ultra-Fine Filter	1.00	each	\$	230,800.00	\$ 230,800.00	
	Chemical Control	1.00	each	\$	24,280.00	\$ 24,280.00	
	UV Units	1.00	each	\$	36,800.00	\$ 36,800.00	
	Pool Heater Circulation Pump	1.00	each	\$	10,780.00	\$ 10,780.00	
	Heat Pump	1.00	each	\$	83,320.31	\$ 83,320.31	
	Chlorinator Circulation Pump	1.00	each	\$	12,520.00	\$ 12,520.00	
	Low Salt Electrochlorination	1.00	each	\$	102,400.00	\$ 102,400.00	
	Chemical Dosing Pump	1.00	each	\$	3,800.00	\$ 3,800.00	
	Spa Jets Booster Pump	1.00	each	\$	14,040.00	\$ 14,040.00	
	Spa Air Blowers	1.00	each	\$	5,150.00	\$ 5,150.00	
	Warm Water Pool Equipment Schedule				15.00	Items	
	Spa Pool Equipment Schedule					\$ 330,310.00	
	Hair And Lint Strainer	2.00	each	\$	2,680.00	\$ 5,360.00	
	Hair And Lint Strainer	1.00	each	\$	3,400.00	\$ 3,400.00	
	Pool Filtration Pump	2.00	each	\$	14,380.00	\$ 28,760.00	
	Ultra-Fine Filter	1.00	each	\$	79,600.00	\$ 79,600.00	
	Chemical Control	1.00	each	\$	24,280.00	\$ 24,280.00	
	Uv Units	1.00	each	\$	31,800.00	\$ 31,800.00	
	Pool Heater Circulation Pump	1.00	each	\$	11,040.00	\$ 11,040.00	
	Heat Pump	1.00	each	\$	10,000.00	\$ 10,000.00	
	Chlorinator Circulation Pump	1.00	each	\$	10,680.00	\$ 10,680.00	
	Low Salt Electrochlorination	1.00	each	\$	102,400.00	\$ 102,400.00	
	Chemical Dosing Pump	1.00	each	\$	3,800.00	\$ 3,800.00	
	Spa Jets Booster Pump	1.00	each	\$	14,040.00	\$ 14,040.00	
	Spa Air Blowers	1.00	each	\$	5,150.00	\$ 5,150.00	
	Spa Pool Equipment Schedule				15.00	Items	
	Common Equipment Schedule					\$ 78,455.00	
	Calcium Hypochlorite Feeder	1.00	each	\$	21,195.00	\$ 21,195.00	
	Chemical Storage Tank	1.00	each	\$	7,500.00	\$ 7,500.00	
	Chemical Storage Tank	1.00	each	\$	7,500.00	\$ 7,500.00	
	Chemical Batching Circulation Pump	1.00	each	\$	980.00	\$ 980.00	
	Compressor	1.00	each	\$	6,700.00	\$ 6,700.00	
	Backwash Disposal Pump	1.00	each	\$	4,580.00	\$ 4,580.00	
	Water Tank	2.00	each	\$	15,000.00	\$ 30,000.00	
	Common Equipment Schedule				8.00	Items	
	Common Pipelines					\$ 270,900.00	

	Hydraulic Feed Lines	637.00	m	\$	150.00	\$	95,550.00	
	Hydraulic Return Lines	269.00	m	\$	150.00	\$	40,350.00	
	Wet Edge Channel	180.00	m	\$	750.00	\$	135,000.00	
	Secondary Steel Structures Common Pipelines	1.00	Sum	\$	50,000.00	\$	50,000.00	
		906.00	m					
	Installation of Pool Equipment					\$	3,394,073.44	
	Installation of all above	35.00	Days	\$	7,388.00	\$	258,580.00	
	Supply and Installation of BMS system	250.00	Points	\$	850.00	\$	212,500.00	assumed 250 points
	BMS Integration cost including software	1.00	Sum	\$	50,000.00	\$	50,000.00	
	25 movable floor to deep end of 50 m pool	1.00	Item	\$	2,384,812.50	\$	2,384,812.50	as per quoted works / value engineering estimate
	Central swim-wall	1.00	Item	\$	286,781.25	\$	286,781.25	as per quoted works / value engineering estimate
	Installation and other costs from specialist pool equipment supplier for the movable floor / central swim wall	1.00	Item	\$	201,399.69	\$	201,399.69	as per quoted works / value engineering estimate
		285.00	m					
22	Substation Works- Essential Energy					\$	20,000.00	
	Allowance for Essential Energy Works					\$	20,000.00	
	Allowance for Substation Works- Assumed Non Contestable	1.00	prov	\$	20,000.00	\$	20,000.00	None required as advised by Essential Energy. Allowance limited to integration only

Mechanical/Electrical Crew						Per Day	Per Hr
Skilled Specialist - Lead	10	hr	\$	150	100%	\$	7.38
Skilled Specialist	10	hr	\$	126	200%	\$	2,515.28
Helper / Assistant	10	hr	\$	93	300%	\$	2,801.46
Tool Truck	1	day	\$	400	100%	\$	400.00
Small tools	1	%	\$	5,717	3%	\$	171.50

Concept Options Cost Comparison

Client Name: Tamworth Council
Project Name: Tamworth Council -comparison estimate on different 50m pool arrangements

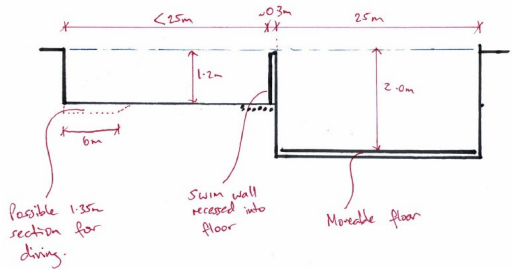
Key Findings

Tamworth Council -comparison estimate on different 50m pool arrangements

Currie & Brown Estimate - Original Concept Option 1 (Bulk Head + 2m deep Movable Flooring to Whole Pool @ ~2,575,000 I)						Currie & Brown Estimate - Revised Concept Option 2 (No Bulk Head +2m deep Movable Flooring for (25m x25m) of Pool + Popup Swim Wall covering (5m x 25m) @ 2,357,500 I					
Description	Quantity	UOM	Rate	Estimated Total	Comments	Description	Quantity	UOM	Rate	Estimated Total	Comments
Scope of works: Bulk Head/Movable Bench					Currie & Brown assumed the pool won't need to be emptied and will close for 7 days for installation on this option.	Scope of works: Movable Deck/ Movable Flooring					Currie & Brown assumed the pool need to be emptied and will close for 30 days for installation on this option.
Site establishment including fencing, service location, approvals, and preliminaries	10%	%	\$ 5,714,135.00	\$ 571,400.00		Site establishment including fencing, service location, approvals, and preliminaries	10%	%	\$ 3,307,210.55	\$ 330,700.00	
Design Earthworks	5%	%	\$ 5,884,535.00	\$ 294,200.00		Design Earthworks	5%	%	\$ 3,405,710.55	\$ 170,300.00	
Excavation and remove offsite	3219	m3	\$ 285.00	\$ 917,300.00		Excavation and remove offsite	2704	m3	\$ 285.00	\$ 770,600.00	
Base Preparation	1288	m2	\$ 25.00	\$ 32,200.00		Base Preparation	1288	m2	\$ 25.00	\$ 32,200.00	
Concrete (FRP)						Base Preparation - at recess	100	m2	\$ 45.00	\$ 4,500.00	
Base Slab	1288	m3	\$ 1,200.00	\$ 1,545,000.00		Concrete (FRP)					
Walls	138	m3	\$ 3,000.00	\$ 413,100.00		Base Slab	1250	m3	\$ 1,200.00	\$ 1,500,000.00	
						Walls	122	m3	\$ 3,000.00	\$ 364,500.00	
						Walls at recess	7	m3	\$ 3,000.00	\$ 21,000.00	
Supply of Movable Flooring to Pool - 50m x 25m	1280	m2	\$ 3,815.70	\$ 4,769,625.00	Based on benchmark quote escalated to presentworth	Supply of Movable Flooring to Pool - 25m x 25m	625	m2	\$ 3,815.70	\$ 2,384,812.50	Based on benchmark quote escalated to presentworth
Supply of Bulk Head/ Movable Bench - 600mm x 25m, 10 Lane arrangement	1	Item	\$ 217,350.00	\$ 217,350.00	Based on benchmark quote escalated to presentworth	Supply of Swimming Wall/ Recessed x 25mm, 10 lane arrangement	1	Item	\$ 286,781.25	\$ 286,781.25	Based on benchmark quote escalated to presentworth
Installation Bulk Head + Floor	8	Days	\$ 8,260.00	\$ 66,080.00	Allow 2 weeks; contractor quotes similar with out of state flights	Installation Swimming Wall + Floor	4	Days	\$ 8,260.00	\$ 33,040.00	Allow 1 weeks; contractor quotes similar with out of state flights
Plant room cost	128	m2	\$ 2,500.00	\$ 320,000.00		Plant room cost	117.76	m2	\$ 2,500.00	\$ 294,400.00	8% reduction in plant room area
Electrical Upgrade Panels / Substation	1	Item	\$ 275,000.00	\$ 275,000.00	Assumed MDB and Transformer upgrade	Electrical Panels / Substation	1	Item	\$ 253,000.00	\$ 253,000.00	
Electrical Upgrade Works	4	Days	\$ 8,260.00	\$ 33,040.00		Electrical Panels / Substation Works	3.68	Days	\$ 8,260.00	\$ 30,396.80	
Builders Works	3%	Item	\$ 5,681,095.00	\$ 170,400.00		Builders Works	3%	Item	\$ 3,282,430.55	\$ 98,500.00	
Testing, Commissioning and Handover	4	Days	\$ 8,260.00	\$ 33,040.00		Testing, Commissioning and Handover	3	Days	\$ 8,260.00	\$ 24,780.00	
Training	1	Item	\$ 10,000.00	\$ 10,000.00		Training	1	Item	\$ 10,000.00	\$ 10,000.00	
Contractor's Profit and Overhead	5%	%	\$ 9,667,735.00	\$ 483,400.00		Contractor's Profit and Overhead	5%	%	\$ 6,609,510.55	\$ 330,500.00	
					\$ 10,151,135.00						\$ 6,949,510.55

Mechanical/Electrical Crew - Pool Specialist based on supplier quote (4 x person crew)

Mechanical/Electrical Crew						Pool					
WFT Crane	1		shift	\$ 3,000	100%	WFT Crane	1		\$ 3,000		
Supervisor	10		hr	\$ 165	100%	Supervisor	10		\$ 1,650.00		
Skilled Specialist	10		hr	\$ 150	100%	Skilled Specialist	10		\$ 1,500.00		
Helper / Assistant	10		hr	\$ 80	200%	Helper / Assistant	10		\$ 1,600.00		
Tool Truck	1		day	\$ 400	100%	Tool Truck	1		\$ 400.00		
Small tools	1		%	\$ 3,500	3%	Small tools	1		\$ 105.00		



Received 8/07/2024

Estimate Allowances Status

Client Name: Tamworth Council
Project Name: Tamworth Regional Aquatic Centre



Report Date: 8/07/2024

Allowances were made subject to further design		
Structural	Girts Wall framing allowances	
Roof - ancillary	Roof - safety harness Solar Panel support structure Roof Drainage	design intends to have rainwater harvesting and reuse
Lighting		
Security		
Electrical	LV Systems	
Emergency Systems	Emergency Comms Fire sprinkler system Fire detection system	design intends to address this requirement via a performance solution.
Internal hydraulic	Sewer / Wastewater Water Mains	
Gas		design states that gas connection has not been proposed. Not sure if we still should include allowance.
Comms connection	Internet connection	
Drop Off Zone Structure		
Stairs to plant room roof		

6.4.7 Natural Gas Service

An existing natural gas authority supply is available from Jack Smyth Drive. We understand that currently the design for cafe/kitchen has not been finalised and therefore a natural gas connection to the new development has not been proposed. This can be provided after the design of the cafe/kitchen has been finalized and gas supply is required.

Client Name: Tamworth Council

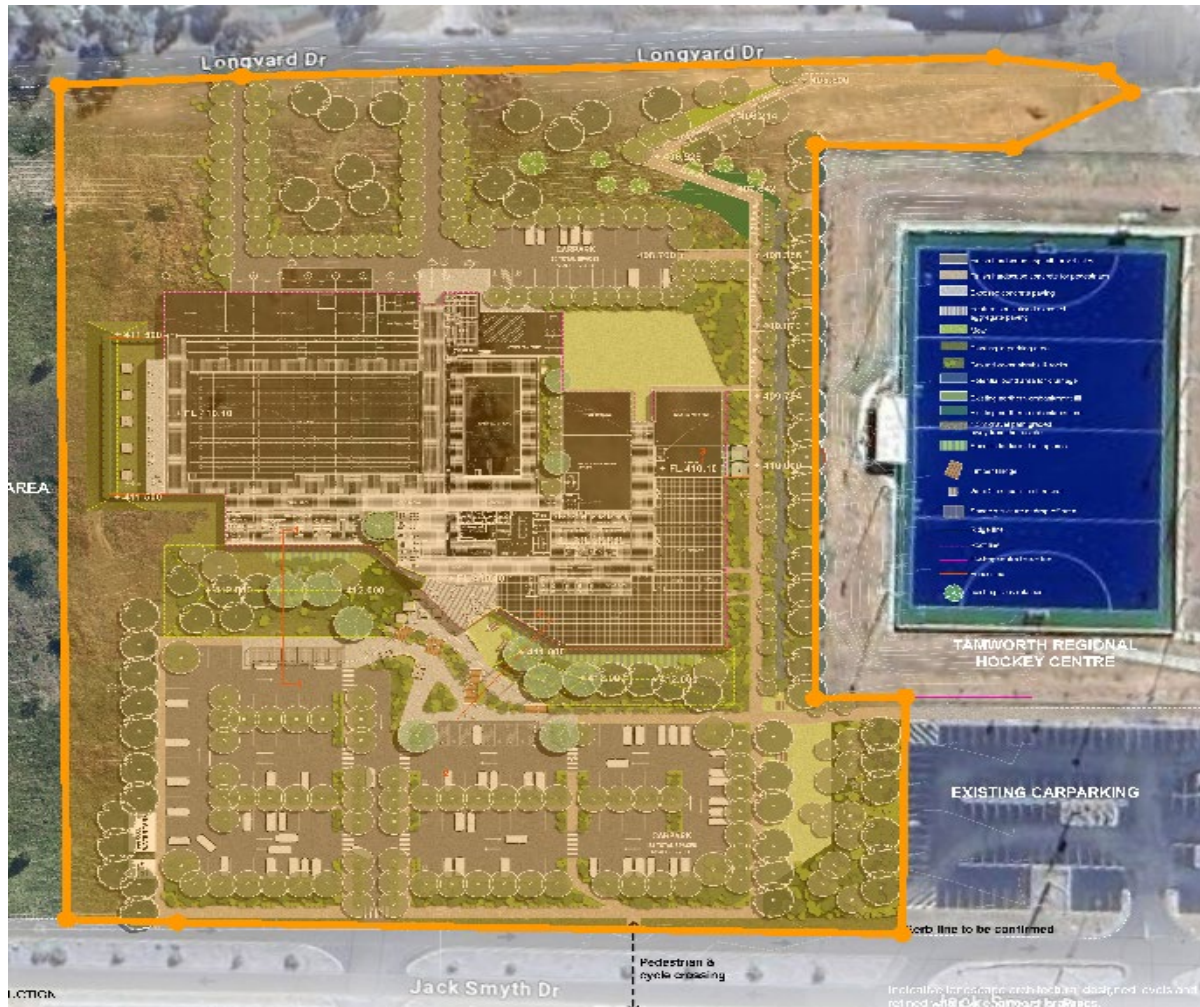
Report

8/07/2024

Project Name Tamworth Regional Aquatic Centre

Date:

Item	Description	Qty	Unit
	Site Clearing	38000	m2



Quantities - Sewer

Client Name: Tamworth Council

Project Name Tamworth Regional Aquatic Centre

Report
Date: 8/07/2024

Item	Description	Qty	Unit	Comments
	Sewer Main	300	m	
	Sewer Main Pits	5	each	

Excavation

6.3 Existing Hydraulic Services

6.3.1 Authority Infrastructure

Tamworth Council sewer and water infrastructure within proximity of the site includes:

- 1 No x 200mm Water mains located on Jack Smyth Drive;
- 1 No x 150mm authority sewer main running down the middle of site, and run across Jack Smyth Drive. (It is noted that diversions of the sewer main would be under the scope of the civil engineer and the proposed direction is to the east of the site area.)
- 1 No x 150mm Recycled Water mains located on Jack Smyth Drive;
- 1 No x 63mm Gas mains located on Jack Smyth Drive (for information only);



Figure 19 Tamworth Council Existing Water mains

Where new structures including carparks are proposed over existing council sewer drainage, the existing council sewer infrastructure may need replacement or realignment in accordance with Tamworth Council's adopted design and construction specifications.

Quantities - Earthworks

Client Name: Tamworth Council

Project Name Tamworth Regional Aquatic Centre

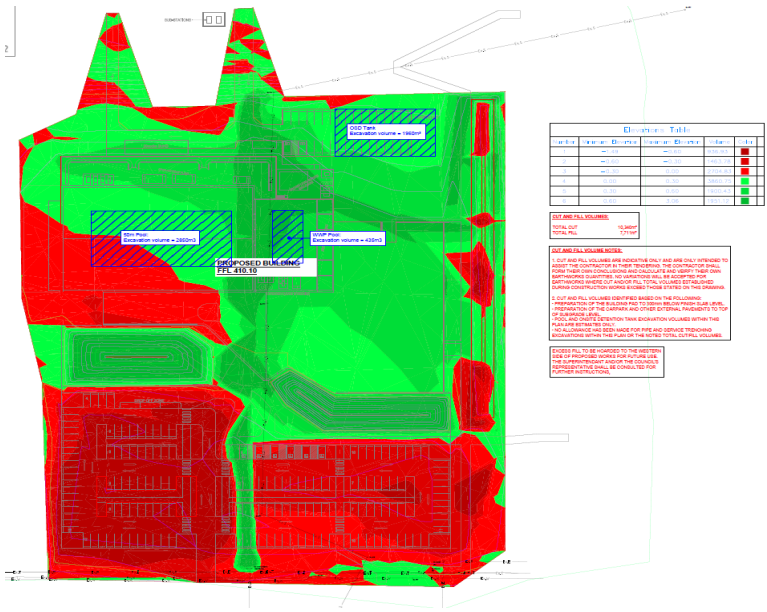


Report Date: 8/07/2024

Item	Description	Qty	Unit
	Total Cut	-10340	m ³
	Total Fill	7711	m ³
	Total	-2629	m ³

Item	Description	Qty	Unit
	Area No.1	-936.93	m ³
	Area No.2	-1463.78	m ³
	Area No.3	-2704.83	m ³
	Area No.4	3860.75	m ³
	Area No.5	1900.43	m ³
	Area No.6	1951.12	m ³
	Subtotal	2606.76	m ³
	OSD Tank	-1950	m ³
	50m Pool	-2850	m ³
	WWP Pool	-435	m ³
	Total	-2628.24	m ³

-5105.54
7712.3



Quantities - Drainage

Client Name: Tamworth Council
Project Name Tamworth Regional Aquatic Centre



Report Date: 8/07/2024

Item	Description	Count	Length	Width	Height	Thickness	Qty	Details
Excavation								
	Pipe							
	Pits							
OSD Tank								
	Concrete						1323.59 m3	17.1m(W) x 32.7m(L) x 2.5m(H)
	Blinding Concrete		17.1	32.7			559.17 m2	
	Base Slab		17.1	32.7		0.7	391.42 m3	
	Lid Slab		17.1	32.7		0.7	391.42 m3	
	Walls - Widths	10	17.1		2.5	0.5	213.75 m3	
	Walls - Lengths	8		32.7	2.5	0.5	327.00 m3	
Swale								
	Swale	114	7	1	0.5		228.00 m3	assumed grass swale
	Surface Treatment		114	7.08276			807.43 m2	
Pipes								
	Excavation						931.18 m3	
	Excavation							
	Pipes							
	225 Dia Pipe		34				34.00 m	
	300 Dia Pipe		136				136.00 m	
	375 Dia Pipe		145				145.00 m	
	450 Dia Pipe		89				89.00 m	
	525 Dia Pipe		31				31.00 m	
	600 Dia Pipe		45				45.00 m	
	750 Dia Pipe		92				92.00 m	
	900 Dia Pipe		13				13.00 m	
Pits								
	Excavation						63.504 m3	assumed depth 1.5m for all pits.
	Pit Type 1 - 500 x 1000	6	0.5	1	1.5		9.072 m3	Includes clearance of 0.1m each side, and 0.3m for bedding.
	Pit Type 2 - 800 x 800	4	0.8	0.8	1.5		7.2 m3	"
	Pit Type 3 - 1000 x 1000	6	1	1	1.5		15.552 m3	"
	Pit Type 4 - Baffle - 1200 x 1200	2	1.2	1.2	1.5		7.056 m3	"
	Pit Type 5 - Baffle - 1000 x 1000	4	1	1	1.5		10.368 m3	"
	Pit Type 6 - Baffle - 600 x 900	9	0.6	0.9	1.5		14.256 m3	"
	Pits							
	Pit Type 1 - 500 x 1000	6					6.00 each	
	Pit Type 2 - 800 x 800	4					4.00 each	
	Pit Type 3 - 1000 x 1000	6					6.00 each	
	Pit Type 4 - Baffle - 1200 x 1200	2					2.00 each	
	Pit Type 5 - Baffle - 1000 x 1000	4					4.00 each	
	Pit Type 6 - Baffle - 600 x 900	9					9.00 each	

Quantities - Roof



Client Name: Tamworth Council

Report Date: 8/07/2024

Project Name: Tamworth Regional Aquatic Centre

	Roof			
	Roof	6,808.15		
	Pool Hall	2,375.73	m2	
	Warm Pool Hall	669.11	m2	
	Other Areas	3,763.31	m2	

Quantities - Structural

Client Name: Tamworth Council
Project Name: Tamworth Regional Aquatic Centre



Report Date:

8/07/2024

Item	Description	Qty	Unit	Comments
6	Superstructure	8,995.28		
	Columns			
	Concrete	79.92		
	CC1 - 600 x 300 Insitu RC Column	77.22	m3	
	CC2 - 600 x 600 Insitu RC Column	2.70	m3	
	Reo	3,996.00		
	CC1 - 600 x 300 Insitu RC Column	3,861.00	kg	
	CC2 - 600 x 600 Insitu RC Column	135.00	kg	
	Steel	25.17		
	C1 - 250 x 150 x 10.0 RHS	1.69	tonne	
	C2 - 219.1 x 8.2 CHS	0.62	tonne	
	C3 - 200 x 200 x 9.0 SHS	1.53	tonne	
	C4 - 150 x 150 x 9.0 SHS	5.06	tonne	
	C5 - 125 x 125 x 6.0 SHS	0.26	tonne	
	C6 - 150 x 100 x 9.0 RHS	2.99	tonne	
	C7 - 89 x 89 x 6.0 SHS	-	tonne	
	C8 - 75 x 75 x 6.0 SHS	-	tonne	
	C9 - 139.7 x 5.4 CHS (Galv)	-	tonne	
	C10 - 150 x 150 x 6 SHS (Galv)	0.92	tonne	
	PC2 - 460 UB 82	6.16	tonne	
	PC3 - 410 UB 59.7	-	tonne	
	PC4 - 410 UB 59.7 - Crucifix Column	0.57	tonne	
	PC5 - 250 UC 37.3	5.37	tonne	
	SC1 - 89 x 89 x 6.0 SHS - Stub Column Fixed Base	-	tonne	
	Mullions	1.98		
	M1 - 150 x 150 x 6 SHS	0.79	tonne	
	M2 - 152 x 76 x 6.0 RHS	0.19	tonne	
	M3 - 150 x 100 x 6 RHS	0.24	tonne	
	M4 - 125 x 125 x 6 SHS	0.77	tonne	
	M5 - 89 x 89 x 6 SHS	-	tonne	
	<u>Columns</u>	<u>27.15</u>	<u>tonne</u>	
	Load Bearing Walls			
	Precast Load Bearing Wall	2,000.00		
	280mm thick	272.00	m2	
	250mm thick	1,173.60	m2	
	200mm thick	554.40	m2	
	150mm thick	-	m2	
	Shear Walls	2,581.60		
	300mm thick	1,837.00	m2	
	280mm thick	367.20	m2	
	250mm thick	197.40	m2	
	200mm thick	180.00	m2	
	<u>Load Bearing Walls</u>	<u>4,581.60</u>	<u>m2</u>	
	Trusses			
	Trusses	172.44		
	150 x 150 x 6.0 SHS	58.82	tonne	
	150 x 150 x 9.0 SHS	18.10	tonne	
	200 x 200 x 9.0 SHS	82.96	tonne	
	250 x 250 x 6.0 SHS	7.13	tonne	
	250 x 250 x 9.0 SHS	5.43	tonne	
	<u>Trusses</u>	<u>172.44</u>	<u>m2</u>	
	Roof			
	Beams	90.29		
	150 PFC	-	tonne	
	200 PFC	6.00	tonne	
	250 PFC	0.92	tonne	
	150 x 150 x 5.0 RHS	9.17	tonne	
	200 x 100 x 5.0 RHS @ 90deg	0.11	tonne	
	200 UB 29.8	3.04	tonne	
	200 UB 29.8 - Feature Beam (CLADDED)	0.80	tonne	
	200 UB 29.8 with 200 PFC Over	-	tonne	
	250 UB 27.3	1.87	tonne	
	250 UB 37.3 with 230 PFC Over	-	tonne	
	310 UB 46.2	5.04	tonne	
	310 UC 158	16.43	tonne	
	360 UB 56.7	3.35	tonne	
	410 UB 60	6.45	tonne	
	460 UB 82, 30mm precamber	7.06	tonne	
	460 UB 82.1	11.08	tonne	
	530 UB 92.4	8.59	tonne	
	610 UB 125, 20mm precamber	10.38	tonne	
	700WB 130, 20mm Precamber	-	tonne	
	Purlins	33.18		
	C35024	-	tonne	

TRUE

	C25024	1.04	tonne	
	C20019	17.66	tonne	
	C15019	14.48	tonne	
	Rafter	4.25		
	100 x 100 x 10 EA	4.25	tonne	
	Braces	6.94		
	20mm Dia Rod	6.13	tonne	
	125 x 125 EA	0.81	tonne	
	Strut	0.24		
	125 x 125 x 5 SHS	0.24	tonne	
	<u>Roof</u>	<u>134.89</u>	<u>m2</u>	
	Window	3.28		
	Window	3.28		
	200 x 200 x 6.0 SHS	1.03	tonne	
	150 x 150 x 6.0 SHS	2.02	tonne	
	125 x 125 x 5.0 SHS	0.18	tonne	
	89 x 89 x 6.0 SHS	0.04	tonne	
	65 x 65 x 6.0 SHS	-	tonne	
	<u>Windows</u>	<u>3.28</u>	<u>m2</u>	

TRUE

Removal of \$1.7 million from estimate by increasing hall truss span from 3m to 6m .

Quantities - Foundation

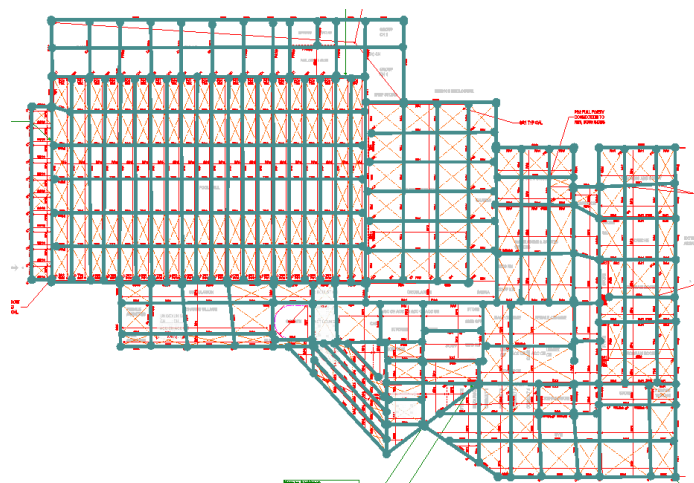
Client Name: Tamworth Council
Project Name: Tamworth Regional Aquatic Centre



Report Date:

8/07/2024

Item	Description	Count	Length	Width	Height	Thickness	Area	Volume	Conversion	Qty		Details
Piling												
Piling										420.00	m	
	Piling 0.6Dia	42	10	0.6				118.7522		420.00	m	Assumed pile under every Insitu RC Column.
	Steel Pipe Liners, supply on site 00.6	42	10							420.00	m	Assumed 10m depth.
	Supply and fixing stiffening bands	42	10	0.6						42.00	each	
	Handling of liners	42	10							42.00	each	
	Driving steel liners	42	10							420.00	m	
	Excavation of liners	42	10	0.6				118.7522		118.75	m3	
	Certification of pile capacity using c	42								42.00	each	
	Concrete Cass 40MPa/20 pile	42	10	0.6				118.7522		118.75		
	Steel reinforcing bar in piles, N12 Ba	42	10	0.6				118.7522	0.2	23.75	tonnes	
	Pile Integrity Testing - Driven Piles	42	10	0.6						10.00	each	
General Area Slab												
Blinding Concrete												
	Blinding Concrete m2						6965			6965.00	m2	
	Blinding Concrete m3					0.1	6965			696.50	m3	
Beams										512.00	m3	
	Slab Beam		3200	0.4	0.4					512.00	m3	assumed 0.4 x 0.4 slab beam, refer image.
Slab Reo												
	Slab Reo		3200	0.4	0.4				0.2	102.40	tonne	
Slab										6965.00	m2	excludes pools
	Slab m2					0.2	6965			6965.00	m2	
	Slab m3					0.2	6965			1393.00	m3	
Slab Reo												
	Slab Reo					0.2	6965		0.2	278.60	tonne	
Main Pool			50	25	1.8							
Slab										1287.50	m2	
	Slab		51.5	25						1287.50	m2	
Concrete										941.97	m3	
	Slab	1	51.5	25		0.6				772.50	m3	50m + wall thickness x2
	Walls - Sides	2	50		1.8	0.55				99.00	m3	
	Walls - End	2	26.1		1.8	0.75				70.47	m3	25m + wall thickness x2
Reinforcement										188.39	tonne	
	Slab	772.50							0.2	154.50	tonne	assumed 200kg/m3
	Walls - Sides	99.00							0.2	19.80	tonne	assumed 200kg/m3
	Walls - End	70.47							0.2	14.09	tonne	assumed 200kg/m3
Formwork										1520.00	m2	
	Slab	1	50	25						1250.00	m2	
	Walls - Sides	2	50		1.8					180.00	m2	
	Walls - End	2	25		1.8					90.00	m2	
Waterproofing Membrane										1520.00	m2	
	Slab	1	50	25						1250.00	m2	
	Walls - Sides	2	50		1.8					180.00	m2	
	Walls - End	2	25		1.8					90.00	m2	
Blinding Concrete										1287.50	m2	
	Blinding Concrete m2						1287.50			1287.50	m2	
	Blinding Concrete m3					0.1	1287.50			128.75	m3	
Warm Water Pool			25	12	1.5							
Slab										316.80	m2	
	Slab		26.4	12						316.80	m2	
Concrete										156.96	m3	
	Slab	1	26.4	12		0.25				79.20	m3	50m + wall thickness x2
	Walls - Sides	2	25		1.8	0.5				45.00	m3	
	Walls - End	2	13		1.8	0.7				32.76	m3	25m + wall thickness x2
Reinforcement										31.39	tonne	
	Slab	79.20							0.2	15.84	tonne	assumed 200kg/m3
	Walls - Sides	45.00							0.2	9.00	tonne	assumed 200kg/m3
	Walls - End	32.76							0.2	6.55	tonne	assumed 200kg/m3
Formwork										433.20	m2	
	Slab	1	25	12						300.00	m2	
	Walls - Sides	2	25		1.8					90.00	m2	
	Walls - End	2	12		1.8					43.20	m2	
Waterproofing Membrane										433.20	m2	
	Slab	1	25	12						300.00	m2	
	Walls - Sides	2	25		1.8					90.00	m2	
	Walls - End	2	12		1.8					43.20	m2	
Blinding Concrete										316.80	m2	
	Blinding Concrete m2						316.80			316.80	m2	
	Blinding Concrete m3					0.1	316.80			31.68	m3	



Quantities - Structural Steel

Client Name: Tamworth Council
Project Name: Tamworth Regional Aquatic Centre



Report Date: 8/07/2024

Item	Description	Count	Length	Width	Height	Volume	Area	Conversion (kg/m)	Tonnes
	Rafter								
	RA1 - 100 x 100 x 10 EA (Galv)		299					14.2	4.25
	Beams								90.29
	FB1 - 200 UB 29.8 - Feature Beam (CLADDED)		27					29.8	0.80
	PB1 - 530 UB 92.4		93					92.4	8.59
	PB2 - 460 UB 82.1		135					82.1	11.08
	PC1 - 310 UC 158		104					158	16.43
	RB1 - 700WB 130, 20mm Precamber		0					130	0.00
	RB2 - 610 UB 125, 20mm preacmber		83					125	10.38
	RB3 - 460 UB 82, 30mm precamber		86					82.1	7.06
	RB4 - 410 UB 60		108					59.7	6.45
	RB5 - 360 UB 56.7		59					56.7	3.35
	RB6 - 310 UB 46.2		109					46.2	5.04
	RB7 - 250 UB 27.3		50					37.3	1.87
	RB8 - 250 PFC		0					35.5	0.00
	RB9 - 200 UB 29.8		102					29.8	3.04
	RB10 - 200 PFC		119					22.9	2.73
	RB11 - 150 PFC		0					17.7	0.00
	TB1 - 200 x 100 x 5.0 RHS @ 90deg		5					22.1	0.11
	TB2 - 150 x 150 x 5.0 RHS		415					22.1	9.17
	TB3 - 250 PFC		26					35.5	0.92
	TB4 - 200 PFC		143					22.9	3.27
	TB5 - 200 UB 29.8 with 200 PFC Over		0					52.7	0.00
	TB6 - 250 UB 37.3 with 230 PFC Over		0					62.4	0.00
	Braces								
	BR1 - 20mm Dia Rod Brace		2,482					2.47	6.13
	BR3 - 125 x 125 EA CRoss Brace		36					22.5	0.81
	Columns								
	Column								
	CC1 - 600 x 300 Insitu RC Column	39	0.6	0.3	11	77.22			
	CC2 - 600 x 600 Insitu RC Column	2	0.6	0.3	7.5	2.70			
	Steel								
	C1 - 250 x 150 x 10.0 RHS	4			7.4			57	1.69
	C2 - 219.1 x 8.2 CHS	2			7.4			41.6	0.62
	C3 - 200 x 200 x 9.0 SHS	4			7.4			51.8	1.53
	C4 - 150 x 150 x 9.0 SHS	22			6.1			37.7	5.06
	C5 - 125 x 125 x 6.0 SHS	2			6.1			21.4	0.26
	C6 - 150 x 100 x 9.0 RHS	13			6.1			37.7	2.99
	C7 - 89 x 89 x 6.0 SHS	0						14.6	0.00
	C8 - 75 x 75 x 6.0 SHS	0						12	0.00
	C9 - 139.7 x 5.4 CHS (Galv)	0						16.6	0.00
	C10 - 150 x 150 x 6 SHS (Galv)	11			3.2			26.2	0.92
	PC2 - 460 UB 82	10			7.5			82.1	6.16
	PC3 - 410 UB 59.7	0						59.7	0.00
	PC4 - 410 UB 59.7 - Crucifix Column	1			9.6			59.7	0.57
	PC5 - 250 UC 37.3	24			6			37.3	5.37
	SC1 - 89 x 89 x 6.0 SHS - Stub Column Fixed Base	0						14.6	0.00
	Mullions								
	M1 - 150 x 150 x 6 SHS	4			7.5			26.2	0.79
	M2 - 152 x 76 x 6.0 RHS	2			4.8			19.4	0.19
	M3 - 150 x 100 x 6 RHS	2			5.6			21.4	0.24
	M4 - 125 x 125 x 6 SHS	6			6			21.4	0.77
	M5 - 89 x 89 x 6 SHS	0						14.6	0.00
	Precast Load Bearing Wall								
	PW2 - 280mm thick (PW1 ??)		0				0.00		
	PW2(u)		68		4		272.00		
	PW3 - 250mm thick (PW2 ??)		163		7.2		1173.60		
	PW4 - 200mm thick (PW3 ??)		132		4.2		554.40		
	PW5 - 150mm thick (PW4 ??)		0				0.00		
	Purlins								
	RP1 - C35024 Purins @ 600 cts, 2 braces per span								0.00
	RP2 - C25024 Purlins @ 900 cts, 2 brace per span								1.04
	RP3 - C20019 Purlins @ 900 cts, 1 brace per span								17.66
	RP4 - C15019 Purlins @ 900 cts, 0 brace per span								14.48
	Shear Walls								
	SW1 - 300mm thick		167		11		1837.00		
	SW2 - 280mm thick		51		7.2		367.20		
	SW3 - 250mm thick		47		4.2		197.40		
	SW4 - 200mm thick		36		5		180.00		
	Strut								
	S1 - 125 x 125 x 5 SHS		13					18.2	0.24
	Trusses								
	TR1								131.68
	TR2								3.92
	TR3								8.14
	TR4								12.67
	TR5								4.41
	TR6								11.61
	150 x 150 x 6.0								58.82
	150 x 150 x 9.0								18.10
	200 x 200 x 9.0								82.96
	250 x 250 x 6.0								7.13
	250 x 250 x 9.0								5.43
	Window								3.28
	WH1 - 200 x 200 x 6.0 SHS		29					35.6	1.03
	WH2 - 150 x 150 x 6 SHS		77					26.2	2.02
	WH3 - 125 x 125 x 5.0 SHS		10					18.2	0.18
	WH4 - 89 x 89 x 6.0 SHS		3					14.6	0.04

	WH5 - 65 x 65 x 6.0 SHS			0					10.1	0.00
	WS1 - 200 x 200 x 6.0 SHS			0					35.6	0.00
	WS2 - 150 x 150 x 6 SHS			0					26.2	0.00
	WS3 - 125 x 125 x 5.0 SHS			0					18.2	0.00
	WS4 - 89 x 89 x 6 SHS			0					14.6	0.00
	WS5 - 65 x 65 x 6 SHS			0					10.1	0.00

Quantities - Trusses

Client Name: Tamworth Council
Project Name: Tamworth Regional Aquatic Centre



Report Date: 8/07/2024

Item	TR1							
	Number of Trusses	20						
	Truss Length	40						
	Steel Profile	Location	Count	Length	Total Length per Truss	kg/m	Tonnes per Truss	TOTAL TONNES
	200 x 200 x 9.0						4.1	83.0
	200 x 200 x 9.0	Top Chord	20.0	2.0	40.0	51.8	2.1	41.4
	200 x 200 x 9.0	Bottom Chord	18.0	2.0	36.0	51.8	1.9	37.3
	200 x 200 x 9.0	Bottom Chord Haunch	2.0	2.0	4.1	51.8	0.2	4.2
	150 x 150 x 6.0						2.3	48.7
	150 x 150 x 6.0	Vertical - Truss	19.0	1.8	34.2	26.2	0.9	17.9
	150 x 150 x 6.0	Vertical - Haunch	2.0	2.2	4.4	26.2	0.1	2.3
	150 x 150 x 6.0	Diagonals - Truss	18.0	2.7	48.4	26.2	1.3	25.4
	150 x 150 x 6.0	Diagonals - Haunch	2.0	3.0	5.9	26.2	0.2	3.1
	Total							131.7

Item	TR2							
	Number of Trusses	1			Max Centres (Assu	1.8		
	Truss Length	35			Truss Depth	0.9		
	Steel Profile	Location	Count per Truss	Length	Total Length per Truss	kg/m	Tonnes per Truss	TOTAL TONNES
	150 x 150 x 9.0						2.6	2.6
	150 x 150 x 9.0	Top Chord		35.0	35.0	37.7	1.3	1.3
	150 x 150 x 9.0	Bottom Chord		35.0	35.0	37.7	1.3	1.3
	150 x 150 x 6.0						1.3	1.3
	150 x 150 x 6.0	Vertical - Truss	21.0	0.9	18.9	26.2	0.5	0.5
	150 x 150 x 6.0	Diagonals - Truss	20.0	1.5	30.0	26.2	0.8	0.8
	Total							3.9

Item	TR3							
	Number of Trusses	1			Truss Depth Max	2.8	Long Span	13
	Truss Length	22			Truss Depth Min	0.9	Short Span	9
	Steel Profile	Location	Count per Truss	Length	Total Length per Truss	kg/m	Tonnes per Truss	TOTAL TONNES
	250 x 250 x 9.0						3.8	3.8
	250 x 250 x 9.0	Top Chord		35.0	35.0	65.9	2.3	2.3
	250 x 250 x 9.0	Bottom Chord		22.3	22.3	65.9	1.5	1.5
	250 x 250 x 6.0						4.4	4.4
	250 x 250 x 6.0	Vertical - Truss	25.0	1.9	46.3	45.0	2.1	2.1
	250 x 250 x 6.0	Diagonals - Truss	24.0	2.1	50.8	45.0	2.3	2.3
	Total							8.1

Item	TR4							
	Number of Trusses	6			Max Centres	1.8		
	Truss Length	107			Truss Depth	0.9		
	Steel Profile	Location	Count per Truss	Length	Total Length per Truss	kg/m	Tonnes per Truss	TOTAL TONNES
	150 x 150 x 9.0						8.1	8.1
	150 x 150 x 9.0	Top Chord		107.0	107.0	37.7	4.0	4.0
	150 x 150 x 9.0	Bottom Chord		107.0	107.0	37.7	4.0	4.0
	150 x 150 x 6.0						4.6	4.6
	150 x 150 x 6.0	Vertical - Truss	61.0	0.9	54.9	26.2	1.4	1.4
	150 x 150 x 6.0	Diagonals - Truss	60.0	2.0	120.7	26.2	3.2	3.2
	Total							12.7

Item	TR5							
	Number of Trusses	1						
	Truss Length	12.5						
	Steel Profile	Location	Count per Truss	Length	Total Length per Truss	kg/m	Tonnes per Truss	TOTAL TONNES
	250 x 250 x 9.0						1.6	1.6
	250 x 250 x 9.0	Top Chord		12.5	12.5	65.9	0.8	0.8
	250 x 250 x 9.0	Bottom Chord		12.5	12.5	65.9	0.8	0.8
	250 x 250 x 6.0						2.8	2.8
	250 x 250 x 6.0	Vertical - Truss	11.0	2.8	30.8	45.0	1.4	1.4
	250 x 250 x 6.0	Diagonals - Truss	10.0	3.1	30.7	45.0	1.4	1.4
	Total							4.4

Item	TR6							
	Number of Trusses				Max Centres	1.8		
	Truss Length	98			Truss Depth	0.9		
	Steel Profile	Location	Count per Truss	Length	Total Length per Truss	kg/m	Tonnes per Truss	TOTAL TONNES
	150 x 150 x 9.0						7.4	7.4
	150 x 150 x 9.0	Top Chord		98.0	98.0	37.7	3.7	3.7
	150 x 150 x 9.0	Bottom Chord		98.0	98.0	37.7	3.7	3.7
	150 x 150 x 6.0						4.2	4.2
	150 x 150 x 6.0	Vertical - Truss	56.0	0.9	50.4	26.2	1.3	1.3
	150 x 150 x 6.0	Diagonals - Truss	55.0	2.0	110.7	26.2	2.9	2.9
	Total							11.6

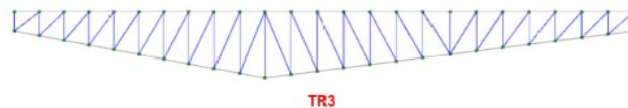
TR1: 1800mm Deep Truss
 2200mm Deep Haunches
 200 x 200 x 9.0 SHS T & B Chords
 150 x 150 x 6.0 SHS Vert. & Diag's
 Restrained At Quarter Points



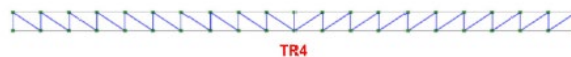
TR2: 900mm Deep Truss
 150 x 150 x 9.0 SHS T & B Chords
 150 x 150 x 6.0 SHS Vert. & Diag's
 Restrained At Mid Point
 Verticals Location @ Truss Connection
 Points



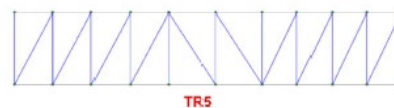
TR3: Triangular Cantilevered Truss
 2800mm Maximum Depth
 900mm Minimum Depth
 250 x 250 x 9.0 SHS T & B Chords
 250 x 250 x 6.0 SHS Vert. & Diag's
 Restrained At Quarter Points



TR4: 900mm Deep Truss @ 1.8m Max Cts
 150 x 150 x 9.0 SHS T & B Chords
 150 x 150 x 6.0 SHS Vert. & Diag's
 Restrained At Quarter Points



TR5: 2800mm Deep Cantilevered Truss
 250 x 250 x 9.0 SHS T & B Chords
 250 x 250 x 6.0 SHS Vert. & Diag's
 Restrained At Mid Point
 Verticals Location @ Truss Connection
 Points



TR6: 900mm Deep Truss @ 1.8m Max Cts
 150 x 150 x 9.0 SHS T & B Chords
 150 x 150 x 6.0 SHS Vert. & Diag's
 Restrained At Quarter Points



Quantities - Purlins

Client Name: Tamworth Council
Project Name: Tamworth Regional Aquatic Centre



Report Date: 8/07/2024

Purlins							
Item	Description	Span Width	Centres	Count	Length	Conversion (kg/m)	Tonnes
	RP1 - C35024 Purlins @ 600 cts, 2 braces per span				0	12.23	0.00
	RP2 - C25024 Purlins @ 900 cts, 2 brace per span				123.79	8.37	1.04
	Foyer		0.9	0	7.21	8.37	0.00
	Wet Lounge Area	13.7	0.9	16	7.17	8.37	0.96
	Kitchen	7.9	0.9	9	6.87	8.37	0.52
	Gym	4.6	0.9	6	5.95	8.37	0.30
	Gym	6.2	0.9	7	6.98	8.37	0.41
	Gym	14.4	0.9	16	7	8.37	0.94
	Gym	32	0.9	36	7	8.37	2.11
	Male / Female Change Room	17.5	0.9	20	8.33	8.37	1.39
	Unisex Change Room	18.5	0.9	21	7.41	8.37	1.30
	Admin & Sports Offices	15.1	0.9	17	18.63	8.37	2.65
	Corridor	5	0.9	6	33.4	8.37	1.68
	Creche	14.7	0.9	17	7.84	8.37	1.12
	RP3 - C20019 Purlins @ 900 cts, 1 brace per span				179.09		17.66
	Change Village	30	0.9	34	8.42	5.69	1.63
	Circulation	48.2	0.9	54	3.89	5.69	1.20
	Foyer	7.2	0.9	8	20.27	5.69	0.92
	Reception	3.2	0.9	4	4	5.69	0.09
	Corridor	11	0.9	13	4	5.69	0.30
	Staff Area	11.32	0.9	13	10.8	5.69	0.80
m	Gym Office	3.3	0.9	4	3.82	5.69	0.09
	Gym	8.6	0.9	10	12.5	5.69	0.71
	Gym	23.8	0.9	27	5.33	5.69	0.82
	Gym	5	0.9	6	5.83	5.69	0.20
	Consult	18.38	0.9	21	5.81	5.69	0.69
	Store	15	0.9	17	3.82	5.69	0.37
	Program Room 1	14.8	0.9	17	11.5	5.69	1.11
	Program Room 2	14.8	0.9	17	11.5	5.69	1.11
	Warm Water Pool	20	0.9	23	34.7	5.69	4.54
	Corridor	25.2	0.9	28	3.51	5.69	0.56
	Sports Science	15.1	0.9	17	10.86	5.69	1.05
	Corridor	5	0.9	6	5.08	5.69	0.17
	Teaching and Study	14.8	0.9	17	13.45	5.69	1.30
	RP4 - C15019 Purlins @ 900 cts, 0 brace per span				109.29		14.48
	Pool Hall	40	0.9	45	61.1	4.48	12.32
	Outdoor Seating Area	4	0.9	5	33.78	4.48	0.76
	Foyer	20.7	0.9	23	13.16	4.48	1.36
	Garden	7.3	0.9	9	1.25	4.48	0.05

Quantities - Aquatic

Client Name: Tamworth Council
Project Name: Tamworth Regional Aquatic Centre



Report Date: 8/07/2024

No.	Item	Description	Qty	Unit	Rate	Comments	
Pool Equipment							
50M Pool Equipment Schedule							
	Hair And Lint Strainer	Hair And Lint Strainer - Jag Poly - Up75 - Provide With	4	each	\$ 4,480.00		
	Pool Filtration Pump	Pool Filtration Pump - Southern Cross - 150X125-250 -	5	each	\$ 28,500.00		
	Ultra-Fine Filter	Ultra-Fine Filter - Neptune Benson - Sp-55-48-2076 - Pr	2	each	\$ 342,600.00		
	Chemical Control	Chemical Control - Prominent - Dialog 620 Controller	1	each	\$ 24,280.00		
	Uv Units	Uv Units - Prominent - Dulcodes Mp 3X3 - Provide In I	2	each	\$ 47,620.00		
	Heat Pump	Heat Pump - Evo Heat - Qsl 250 - Confirm Heat Pump	2	each	\$ 83,320.31		
	Chlorinator Circulation Pump	Chlorinator Circulation Pump - Southern Cross - 125X	1	each	\$ 18,160.00		
	Low Salt Electrochlorination	Low Salt Electrochlorination - Ais - Frcn-1300 -	1	each	\$ 169,125.00		
	Chemical Dosing Pump	Chemical Dosing Pump - Prominent - Bt4A 0220 - Sbs	1	each	\$ 23,200.00		
Warm Water Pool Equipment Schedule							
	Hair And Lint Strainer	Hair And Lint Strainer - Jag Poly - Up50 - Provide With	2	each	\$ 3,940.00	LLP50	TRUE
	Hair And Lint Strainer	Hair And Lint Strainer - Jag Poly - Up30 - Provide With	1	each	\$ 3,400.00	LLP30	
	Pool Filtration Pump	Pool Filtration Pump - Southern Cross - 125X80-250 1'	2	each	\$ 21,840.00		
	Ultra-Fine Filter	Ultra-Fine Filter - Neptune Benson - Sp-41-48-1038 - Pr	1	each	\$ 230,800.00		
	Chemical Control	Chemical Control - Prominent - Dialog 620 Controller	1	each	\$ 24,280.00		
	UV Units	Uv Units - Prominent - Dulcodes Mp 1X3 - Provide In I	1	each	\$ 36,800.00		
	Pool Heater Circulation Pump	Pool Heater Circulation Pump - Southern Cross - 65X4	1	each	\$ 10,780.00		
	Heat Pump	Heat Pump - Evo Heat - Qsl 250 - Confirm Heat Pump	1	each	\$ 83,320.31		
	Chlorinator Circulation Pump	Chlorinator Circulation Pump - Southern Cross - 100X	1	each	\$ 12,520.00		
	Low Salt Electrochlorination	Low Salt Electrochlorination - Ais - Frcn-550 -	1	each	\$ 102,400.00		
	Chemical Dosing Pump	Chemical Dosing Pump - Prominent - Bt4B 0413 - Sbs	1	each	\$ 3,800.00		
	Spa Jets Booster Pump	Spa Jets Booster Pump - Southern Cross - 100X65-250	1	each	\$ 14,040.00		
	Spa Air Blowers	Spa Air Blowers - Esam - Flux Jet 2V (048150) - Spa Jet	1	each	\$ 5,150.00		TRUE
Spa Pool Equipment Schedule							
	Hair And Lint Strainer	Hair And Lint Strainer - Jag Poly - Up15 - Provide With	2	each	\$ 2,680.00	LLP15	
	Hair And Lint Strainer	Hair And Lint Strainer - Jag Poly - Up30 - Provide With	1	each	\$ 3,400.00	LLP30	
	Pool Filtration Pump	Pool Filtration Pump - Southern Cross - 80X50-315 4K	2	each	\$ 14,380.00		
	Ultra-Fine Filter	Ultra-Fine Filter - Neptune Benson - Sp-29-36-350 - Prc	1	each	\$ 79,600.00		
	Chemical Control	Chemical Control - Prominent - Dialog 620 Controller	1	each	\$ 24,280.00		
	Uv Units	Uv Units - Prominent - Dulcodes Mp 1X2 - Provide In I	1	each	\$ 31,800.00		
	Pool Heater Circulation Pump	Pool Heater Circulation Pump - Southern Cross - 50X2	1	each	\$ 11,040.00		
	Heat Pump	Heat Pump - Evo Heat - Qsl 65 - Confirm Heat Pump I	1	each	\$ 18,515.63		
	Chlorinator Circulation Pump	Chlorinator Circulation Pump - Southern Cross - 65X5	1	each	\$ 10,680.00		
	Low Salt Electrochlorination	Low Salt Electrochlorination - Ais - Frcn-130 -	1	each	\$ 102,400.00		
	Chemical Dosing Pump	Chemical Dosing Pump - Prominent - Bt4B 0413 - Sbs	1	each	\$ 3,800.00		
	Spa Jets Booster Pump	Spa Jets Booster Pump - Southern Cross - 100X65-250	1	each	\$ 14,040.00		
	Spa Air Blowers	Spa Air Blowers - Esam - Flux Jet 2V (048150) - Spa Jet	1	each	\$ 5,150.00		TRUE
Common Equipment Schedule							
	Calcium Hypochlorite Feeder	Calcium Hypochlorite Feeder - Prominent - Procal 32	1	each	\$ 21,195.00	Lip50	
	Chemical Storage Tank	Chemical Storage Tank - Polymaster - Round Bunded	1	each	\$ 12,500.00	Round Bunded Chemical Tank 3,300Ltr BPST3300	
	Chemical Storage Tank	Chemical Storage Tank - Polymaster - 500Ltr Fertigati	1	each	\$ 2,305.00	500Ltr Fertigation Tank With Sloping Floor To Sump	
	Chemical Batching Circulation Pump	Chemical Batching Circulation Pump - Waterco - Hyd	1	each	\$ 980.00		
	Compressor	Compressor - Airmac - V40 -	1	each	\$ 6,700.00		
	Backwash Disposal Pump	Backwash Disposal Pump - Davey - Mukmova 25301 S	1	each	\$ 4,580.00		
	Water Tank	Water Tank - Thintanks - 4000L Thintank 2980X1970X	2	each	\$ 8,500.00		TRUE
Common Pipelines							
	Hydraulic Feed Lines		637	m			
	Hydraulic Return Lines		269	m			
	Wet Edge Channel		180	m			

Quantities - Aquatic Equip. Schedule

Client Name: Tamworth Council
Project Name: Tamworth Regional Aquatic Centre



Report Date:

8/07/2024

50M POOL EQUIPMENT SCHEDULE							
Item	DESCRIPTION	MFR	MODEL	PERF	POWER KW	PHASE	NOTES
A1A	HAR AND LINT STRAINER	JAG POLY	LLP75	50.75 L/S	N/A	N/A	PROVIDE WITH DN250 INLET/OUTLET
A1B	HAR AND LINT STRAINER	JAG POLY	LLP75	50.75 L/S	N/A	N/A	PROVIDE WITH DN250 INLET/OUTLET
A1C	HAR AND LINT STRAINER	JAG POLY	LLP75	50.75 L/S	N/A	N/A	PROVIDE WITH DN250 INLET/OUTLET
A1D	HAR AND LINT STRAINER	JAG POLY	LLP75	50.75 L/S	N/A	N/A	PROVIDE WITH DN250 INLET/OUTLET
A2A	POOL FILTRATION PUMP	SOUTHERN CROSS	150X125-250 18.5KW	55L/s @ 20m	18.50	3	PROVIDE IN STAINLESS STEEL WITH VSD
A2B	POOL FILTRATION PUMP	SOUTHERN CROSS	150X125-250 18.5KW	55L/s @ 20m	18.50	3	PROVIDE IN STAINLESS STEEL WITH VSD
A2C	POOL FILTRATION PUMP	SOUTHERN CROSS	150X125-250 18.5KW	55L/s @ 20m	18.50	3	PROVIDE IN STAINLESS STEEL WITH VSD
A2D	POOL FILTRATION PUMP	SOUTHERN CROSS	150X125-250 18.5KW	55L/s @ 20m	18.50	3	PROVIDE IN STAINLESS STEEL WITH VSD
A3A	ULTRA-FINE FILTER	NEPTUNE BENSON	SP-55-48-2076	150.97 m³	1.90	1	PROVIDE WITH RMF CONTROL PANEL
A3B	ULTRA-FINE FILTER	NEPTUNE BENSON	SP-55-48-2076	150.97 m³	1.90	1	PROVIDE WITH RMF CONTROL PANEL
A4	CHEMICAL CONTROL	PROMNENT	DIALOG 620 CONTROLLER (INDOOR WITH LIQUID/GRANULAR - pH/FAC/TC) (INCLUDING CO2 CONTROLLER)	pH/FAC/TC	0.20	1	PROVIDE WITH CO2 DOSING UNIT
AS4	UV UNITS	PROMNENT	DULCODES MP 3X3	569 m³/hr (600L/m²)	9.20	3	PROVIDE IN DN300 WITH AUTOWIPER
ASB	UV UNITS	PROMNENT	DULCODES MP 3X3	569 m³/hr (600L/m²)	9.20	3	PROVIDE IN DN300 WITH AUTOWIPER
A6	POOL FILTRATION PUMP	SOUTHERN CROSS	150X125-250 18.5KW	TBA	18.50	3	NOMINAL PUMP ALLOWANCE, FINAL TBA
A7A	HEAT PUMP	EVO HEAT	CS-1250	225 kW	60.67	3	CONFIRM HEAT PUMP MODEL WITH SUPPLIER
A7B	HEAT PUMP	EVO HEAT	CS-1250	225 kW	60.67	3	CONFIRM HEAT PUMP MODEL WITH SUPPLIER
A8	CHLORINATOR CIRCULATION PUMP	SOUTHERN CROSS	125X80-250 4KW	28.1L/s @ TBC	4.00	3	PROVIDE AS 316SS
A9	LOW SALT ELECTROCHLORINATION	AIS	FSRCN-1300	1300 g/hr	22.03	3	
A10	CHEMICAL DOSING PUMP	PROMNENT	BT4A.0220	19 L/hr	0.02	1	SSS DOSING PUMP

WARM WATER POOL EQUIPMENT SCHEDULE							
ITEM	DESCRIPTION	MFR	MODEL	PERF	POWER KW	PHASE	NOTES
B1A	HAR AND LINT STRAINER	JAG POLY	LLP50	30.50 L/S	N/A	N/A	PROVIDE WITH DN200 INLET/OUTLET
B1B	HAR AND LINT STRAINER	JAG POLY	LLP50	30.50 L/S	N/A	N/A	PROVIDE WITH DN200 INLET/OUTLET
B2A	POOL FILTRATION PUMP	SOUTHERN CROSS	125X80-250 11KW	28.1L/s @ 20.2m	11.00	3	PROVIDE IN STAINLESS STEEL WITH VSD
B2B	POOL FILTRATION PUMP	SOUTHERN CROSS	125X80-250 11KW	28.1L/s @ 20.2m	11.00	3	PROVIDE IN STAINLESS STEEL WITH VSD
B3	ULTRA-FINE FILTER	NEPTUNE BENSON	SP-41-48-1038	75.44 m³	1.90	1	PROVIDE WITH RMF CONTROL PANEL
B4	CHEMICAL CONTROL	PROMNENT	DIALOG 620 CONTROLLER (INDOOR WITH LIQUID/GRANULAR - pH/FAC/TC) (INCLUDING CO2 CONTROLLER)	pH/FAC/TC	0.20	1	PROVIDE WITH CO2 DOSING UNIT
B5	UV UNITS	PROMNENT	DULCODES MP 1X3	205 m³/hr (600L/m²)	3.20	3	PROVIDE IN DN200 WITH AUTOWIPER
B6	POOL HEATER CIRCULATION PUMP	SOUTHERN CROSS	65X40-200 1.5KW	TBC	1.50	3	NOMINAL PUMP ALLOWANCE, FINAL TBA
B7	HEAT PUMP	EVO HEAT	CS-1250	190 kW	60.67	3	CONFIRM HEAT PUMP MODEL WITH SUPPLIER
B8	CHLORINATOR CIRCULATION PUMP	SOUTHERN CROSS	100X80-160 2.20W	12.5L/s @ TBC	2.20	3	PROVIDE AS 316SS
B9	LOW SALT ELECTROCHLORINATION	AIS	FSRCN-550	550 g/hr	9.36	3	
B10	CHEMICAL DOSING PUMP	PROMNENT	BT4B.0413	12.3 L/hr	0.02	1	SSS DOSING PUMP
B11	HAR AND LINT STRAINER	JAG POLY	LLP30	15.30 L/S	N/A	N/A	PROVIDE WITH DN150 INLET / DN100 OUTLET
B12	SPA JETS BOOSTER PUMP	SOUTHERN CROSS	100X85-250 4KW	18 L/s @ 14.5m	4.00	3	SPA JET PUMP, PROVIDE IN STAINLESS STEEL WITH VSD
B13	SPA AIR BLOWERS	ESAM	FLUX JET 2V (048150)	105 M³HR @ 2.5M	2.20	3	SPA JET AIR BLOWER, PROVIDE WITH PRESSURE RELIEF AND PLUMBED INLET FILTER

SPA POOL EQUIPMENT SCHEDULE							
ITEM	DESCRIPTION	MFR	MODEL	PERF	POWER KW	PHASE	NOTES
C1A	HAR AND LINT STRAINER	JAG POLY	LLP15	0-15 L/S	N/A	N/A	PROVIDE WITH DN100 INLET/OUTLET
C1B	HAR AND LINT STRAINER	JAG POLY	LLP15	0-15 L/S	N/A	N/A	PROVIDE WITH DN100 INLET/OUTLET
C2A	POOL FILTRATION PUMP	SOUTHERN CROSS	80X50-315 4KW	7L/s @ 18.9m	4.00	3	PROVIDE IN STAINLESS STEEL WITH VSD
C2B	POOL FILTRATION PUMP	SOUTHERN CROSS	80X50-315 4KW	7L/s @ 18.9m	4.00	3	PROVIDE IN STAINLESS STEEL WITH VSD
C3	ULTRA-FINE FILTER	NEPTUNE BENSON	SP-29-36-350	19 m³	1.90	1	PROVIDE WITH RMF CONTROL PANEL
C4	CHEMICAL CONTROL	PROMNENT	DIALOG 620 CONTROLLER (INDOOR WITH LIQUID/GRANULAR - pH/FAC/TC) (INCLUDING CO2 CONTROLLER)	pH/FAC/TC	0.20	1	PROVIDE WITH CO2 DOSING UNIT
C5	UV UNITS	PROMNENT	DULCODES MP 1X2	102 m³/hr (600L/m²)	2.10	3	PROVIDE IN DN100 WITH AUTOWIPER
C6	POOL HEATER CIRCULATION PUMP	SOUTHERN CROSS	50X30-160 0.75KW	TBA	1.50	3	NOMINAL PUMP ALLOWANCE, FINAL TBA
C7	HEAT PUMP	EVO HEAT	CS-1465	50 kW	15.12	3	CONFIRM HEAT PUMP MODEL WITH SUPPLIER
C8	CHLORINATOR CIRCULATION PUMP	SOUTHERN CROSS	65X50-160 0.75KW	3.9L/s @ TBC	0.75	3	PROVIDE AS 316SS
C9	LOW SALT ELECTROCHLORINATION	AIS	FSRCN-130	130 g/hr	2.20	3	
C10	CHEMICAL DOSING PUMP	PROMNENT	BT4B.0413	12.3 L/hr	0.02	1	SSS DOSING PUMP
C11	HAR AND LINT STRAINER	JAG POLY	LLP30	15.30 L/S	N/A	N/A	PROVIDE WITH DN150 INLET / DN100 OUTLET
C12	SPA JETS BOOSTER PUMP	SOUTHERN CROSS	100X85-250 4KW	18 L/s @ 14.5m	4.00	3	SPA JET PUMP, PROVIDE IN STAINLESS STEEL WITH VSD
C13	SPA AIR BLOWERS	ESAM	FLUX JET 2V (048150)	105 M³HR @ 2.5M	2.20	3	SPA JET AIR BLOWER, PROVIDE WITH PRESSURE RELIEF AND PLUMBED INLET FILTER

COMMON EQUIPMENT SCHEDULE							
ITEM	DESCRIPTION	MFR	MODEL	PERF	POWER KW	PHASE	NOTES
F1	CALCIUM HYPOCHLORITE FEEDER	PROMNENT	PROCAL 3240A	4000 g/hr	1.67	1	COMMON BACK UP CHLORINATOR, PROVIDE WITH BOOSTER PUMP AND ACID RAISE PUMP
F2	CHEMICAL STORAGE TANK	POLYMASTER	ROUND BUNDED CHEMICAL TANK 3.300LTR BPST3300	3300 L	N/A	N/A	PROVIDE WITH INTEGRATED FILL POINT, OVERFLOW, VENT CONNECTION, LEVEL SENSOR AND BUND ALARM
F3	CHEMICAL STORAGE TANK	POLYMASTER	500LTR FERTIGATION TANK WITH SLOPING FLOOR TO SUMP	500 L	N/A	N/A	BI-CARBICALCIUM BATCHING TANK, SUPPLY WITH BASE AND LID
F4	CHEMICAL BATCHING CIRCULATION PUMP	WATERCO	HYDROSTORM 150 (244150)	TBC	1.31	1	BI-CARBICALCIUM BATCHING TANK PUMP
F5	COMPRESSOR	ARMAC	V40	777	5.50	3	
F6	BACKWASH DISPOSAL PUMP	DAVEY	MURKOVIA 25301 SINGLE PHASE	22W	2.60	1	FILTER WASTE TRANSFER PUMP
F7A	WATER TANK	THINTANKS	400L THINTANK 2880X1970X750	4 KL	N/A	N/A	BACKWASH HOLDING TANK A
F7B	WATER TANK	THINTANKS	400L THINTANK 2880X1970X750	4 KL	N/A	N/A	BACKWASH HOLDING TANK B

Quantities - BCA

Client Name: Tamworth Council
Project Name Tamworth Regional Aquatic Centre



Report Date: 8/07/2024

Item	Description	Count	Length	Width	Height	Qty	Details
	Fire						
	Fire Water Storage Tank	1				1 each	10,000m m (L) x 6,000m m (W) x 2,500m m (H) - 144,000L
	Prefabricated Fire Pump Enclosure		4	2.5	2.2	28.60 m 2	2,500m m (W) x 4,000m m (L) x 2,200m m (H)
	Tank Suction and Boost Points	1				1 item	2,500m m (W) x 1,000m m (D)

Quantities - Acoustic



Client Name: Tamworth Council
Project Name: Tamworth Regional Aquatic Centre

Report Date: 8/07/2024

Item	Description	Length	Height	Area
	Acoustic Screening	253	2.5	632.5

3.1. Plant & Equipment

The above plant was included in the 3D noise model and the model was run to calculate noise impacts to the nearest sensitive receivers. The results of calculations indicated that the following measures would be required for compliance with night-time NPfI criteria (and therefore also day and evening period criteria):

- Acoustic screening is installed around large external mounted plant items (appropriate to their size and location and meeting the requirements in Section 3.1.1).
- Acoustic louvres are selected for ventilation at the plant room facade.
- Fresh air inlets and exhausts of the Pool and Gym PAC units are fitted with lined duct or lined duct bends.
 - Required treatment to PAC units may be reduced if units are selected with quiet modes (capable of reducing sound power levels by at least 10 dB) and are set to run on quiet mode at night.

3.1.1. Plant Screening

Acoustic plant screens shall be constructed as follows:

- Screens shall be constructed using any solid (non-perforated) cladding such as fibre cement sheeting, lightweight aerated concrete, or profiled metal cladding as long as the selected material (or combined skins) has a surface mass of at least 12 kg/m².
- The screen must extend at least 200mm above the top of the highest item of plant.
- Screens shall have no gaps, holes, or perforations allowing noise to pass through. Any gaps or penetrations shall be fully caulked with a flexible acoustic sealant.
- Screens shall extend hard down to the slab below such that noise will not pass underneath.

Quantities - MEP

Client Name: Tamworth Council
Project Name: Tamworth Regional Aquatic Centre



Report Date: 8/07/2024

Item	Description	Qty	Unit	Comments
Communications				
	Comms - Comms Rack	3	each	
	Comms - Comms Room 3000x3000	9	m ²	
	Comms - Conduit - 150mm	135	m	
Electrical				
	Elec - Conduit - 300mm	152	m	
	Elec - AHC	2	each	
	Elec - BESS	1	each	potential, not confirmed
	Elec - Distribution Board	13	each	
	Elec - EV Charge Points	38	each	
	Elec - HSSB	5	each	
	Elec - Inverter	6	each	
	Elec - Main Switchboard	2	each	
	Elec - Mains	2	each	
	Elec - MSSB	8	each	
	Elec - Solar Panels 45kW	455	m ²	area of roof only, no plans of solar panel themselves
	Elec - Solar Panels 186kW	2,348	m ²	"
	Elec - Solar Panels 271kW	2,355	m ²	"
	Elec - Substation (Total capacity = 1.8MVA)	2	each	
	Elec - UG	177	m	
Fire Services				
	Fire Hose Reel	11	each	
	Fire Hydrant	12	each	
	Fire Hydrant Pumps	2	each	
	Fire Water Storage 144000L	1	each	
Hydraulic				
	30kW Heat Pump (3x30kW + 4x2000L Storage Tank)	1	each	
	Above Ground Rainwater Tank (45000L)	4	each	
	Above Ground Rainwater Treatment Plant & Pumps	2	each	
	Domestic Cold Water Booster Pumps	1	each	
	Domestic Hot Water Booster Pumps	2	each	
	Hot Water Storage Tank	1	each	
	Inground Grease Arrestor (3000L)	1	each	
	Inground Pool Plant Sewer Pump	1	each	
	Safety Shower	1	each	
	Water Main Meter	1	each	
	Water Main Connection	21	m	
	Hydrau - Trade Waste Pipe	26	m	
Mechanical				
	AC Ductwork	333	m	
	AC Ductwork (Return)	188	m	
	AC Ductwork Riser	5	each	need height allowance
	AC Ductwork Riser (Return)	5	each	need height allowance
	AC Exhaust	1	each	
	AC Intake	1	each	
	AC PACS	3	each	
	VRF Condenser Bank	4	each	

Quantities



Client Name: Tamworth Council

Project Name: Tamworth Regional Aquatic Centre

Report Date: 8/07/2024

Bill of Materials

Project:	Details:
Building:	

Code	Description	Quantity	Unit	Rate	Total
3	REGIONAL AQUATIC CENTER				
3.4	FAÇADE				
3.4.1	External reinforced precast walls				
3.4.2	External reinforced precast wall; 270mm thick	460	m2		-
3.4.3	External reinforced precast wall; 288mm thick	879	m2		-
3.4.4	External reinforced precast wall; 305mm thick	356	m2		-
3.4.5	External stud partition walls				
3.4.6	External stud partition wall; 593mm thick	935	m2		-
3.4.7	External stud partition wall; 596mm thick	219	m2		-
3.4.8	External stud partition wall; 610mm thick	361	m2		-
3.4.9	Metal Cladding				
3.4.10	Patterned Backlit Perforated Metal Cladding Fixed Proud of External Façade	726	m2		-
3.4.11	Profile Metal Sheet Laid Vertically on Top Hats Fixed to Precast Walls 10.85m high	2262	m2		-
3.4.12	Acoustic Screens				
3.4.13	Acoustic Screen on Steel Structure around plant on Roof Plant Deck 2.925m high (tapered height)	269	m2		-
3.4.14	External Glazing				
3.4.15	External Glazing	615	m2		-
3.4.16	Painting				
3.4.17	Painting to External Walls	562	m2		-
3.4.18	Sundry				
3.4.19	Allowance for sundry items	1	Item		-
	FAÇADE	4434	m2		-
3.5	EXTERNAL DOORS				
3.5.1	External Roll-up Door including frame, hardware, finishes, fittings and fixing				
3.5.2	2490 x 2400 Roll-up Door, to Aquatic Plant	2	No		-
3.5.3	External Double Leaf Swing Door including frame, hardware, finishes, fittings and fixing				
3.5.4	1930 x 2400 Double Leaf Swing Door, to Solar Room	1	No		-
3.5.5	1950 x 2400 Double Leaf Swing Door, to Main Switch Room	1	No		-
3.5.6	External Double Leaf Metal Louvered Swing Door including frame, hardware, finishes, fittings and fixing				
3.5.7	1910 x 2400 Double Leaf Metal Louvered Swing Door, to Bin Store	1	No		-
3.5.8	External Double Leaf Glazed Swing Door including frame, hardware, finishes, fittings and fixing				
3.5.9	1690 x 3000 Double Leaf Glazed Swing Door, to Pool Hall	1	No		-
3.5.10	1710 x 3000 Double Leaf Glazed Swing Door, to Pool Hall	1	No		-
3.5.11	1950 x 2700 Double Leaf Glazed Swing Door, to Creche	1	No		-
3.5.12	External Single Leaf Glazed Swing Door including frame, hardware, finishes, fittings and fixing				
3.5.13	950 x 2700 Single Leaf Glazed Swing Door, to Program Room 1 & Gym	2	No		-
3.5.14	External Double Leaf Glazed Sliding Door (framed/ frameless) including accessories, hardware, finishes, fittings and fixing				
3.5.15	2350 x 3000 External Double Leaf Glazed Sliding Door, to North & South Entry	2	No		-
3.5.16	1710 x 3000 Double Leaf Glazed Swing Door, to Pool Hall	1	No		-
3.5.17	External Single Leaf Glazed Sliding Door (framed/ frameless) including accessories, hardware, finishes, fittings and fixing				
3.5.18	950 x 2400 External Single Leaf Glazed Sliding Door, to Corridor	1	No		-
3.5.19	Sundry				
3.5.20	Allowance for sundry items, hardware, decals	1	Item		-
	EXTERNAL DOORS	14	No		-
3.6	INTERNAL WALLS				
3.6.1	Internal concrete block walls				
3.6.2	Internal concrete block wall; 200mm thick	38	m2		-
3.6.3	Internal reinforced precast walls				
3.6.4	Internal reinforced precast concrete wall; 270mm thick	142	m2		-
3.6.5	Internal reinforced precast concrete wall; 288mm thick	803	m2		-
3.6.6	Internal reinforced precast concrete wall; 305mm thick	677	m2		-
3.6.7	Internal stud partition walls				
3.6.8	Internal stud partition wall; 100mm thick	18	m2		-
3.6.9	Internal stud partition wall; 150mm thick	359	m2		-
3.6.10	Internal stud partition wall; 170mm thick	1172	m2		-
3.6.11	Internal stud partition wall; 200mm thick	92	m2		-
3.6.12	Internal stud partition wall; 593mm thick	201	m2		-
3.6.13	Internal stud partition wall; 610mm thick	275	m2		-

3.6.14	Acoustic allowances				
3.6.15	Allowance for acoustic linings and insulation	1	Item		-
3.6.16	Sundry				
3.6.17	Allowance for sundry items i.e. nogging, acoustic and fire separation requirements etc	1	Item		-

INTERNAL WALLS

3777 m²

3.7

INTERNAL SCREENS

3.7.1	Internal Glazed Screens				
3.7.2	Internal glazed screens	369	m2		-
3.7.3	Bathroom/Change Cubicles				
3.7.4	Cubicles; size: 830 (W) x 1693 (L)	2	No		-
3.7.5	Cubicles; size: 846 (W) x 1693 (L)	2	No		-
3.7.6	Cubicles; size: 863 (W) x 1693 (L)	1	No		-
3.7.7	Cubicles; size: 1507 (W) x 1998 (L)	2	No		-
3.7.8	Cubicles; size: 1524 (W) x 1998 (L)	2	No		-
3.7.9	Shower cubicles; size: 830 (W) x 1693 (L)	4	No		-
3.7.10	Shower cubicles; size: 846 (W) x 1693 (L)	4	No		-
3.7.11	Shower cubicles; size: 863 (W) x 1693 (L)	2	No		-
3.7.12	Shower cubicles; size: 948 (W) x 1828 (L)	5	No		-
3.7.13	Shower cubicles; size: 965 (W) x 1828 (L)	8	No		-
3.7.14	Shower cubicles; size: 982 (W) x 1828 (L)	2	No		-
3.7.15	Toilet cubicles; size: 830 (W) x 1540 (L)	1	No		-
3.7.16	Toilet cubicles; size: 847 (W) x 1540 (L)	3	No		-
3.7.17	Toilet cubicles; size: 830 (W) x 1557 (L)	1	No		-
3.7.18	Toilet cubicles; size: 846 (W) x 1557 (L)	3	No		-
3.7.19	Toilet cubicles; size: 948 (W) x 1557 (L)	2	No		-
3.7.20	Toilet cubicles; size: 897 (W) x 1625 (L)	2	No		-
3.7.21	Toilet cubicles; size: 914 (W) x 1625 (L)	4	No		-
3.7.22	Toilet cubicles; size: 931 (W) x 1625 (L)	4	No		-
3.7.23	Toilet cubicles; size: 948 (W) x 1811 (L)	2	No		-
3.7.24	Toilet cubicles; size: 965 (W) x 1811 (L)	1	No		-
3.7.25	Urinal Partitions				
3.7.26	Urinal Partitions	7	No		-
3.7.27	Sundry				
3.7.28	Allowance for sundry items, decals	1	Item		-

INTERNAL SCREENS

369 m²

3.8

INTERNAL DOORS

3.8.1	Internal Single Leaf Glazed Sliding Door (framed/ frameless) including accessories, hardware, finishes, fittings and fixing				
3.8.2	1360x2400 Single Leaf Glazed Sliding Door	2	No		-
3.8.3	1530x2400 Single Leaf Glazed Sliding Door	3	No		-
3.8.4	Internal Double Leaf Glazed Sliding Door (framed/ frameless) including accessories, hardware, finishes, fittings and fixing				
3.8.5	1640x2400 Double Leaf Glazed Sliding Door	1	No		-
3.8.6	2340x2400 Double Leaf Glazed Sliding Door	1	No		-
3.8.7	Internal Single Leaf Glazed Swing Door including frame, hardware, finishes, fittings and fixing				
3.8.8	950x2400 Single Leaf Glazed Swing Door	4	No		-
3.8.9	1110x2400 Single Leaf Glazed Swing Door	6	No		-
3.8.10	Internal Double Leaf Glazed Swing Door including frame, hardware, finishes, fittings and fixing				
3.8.11	1850x2400 Double Leaf Glazed Swing Door	3	No		-
3.8.12	2390x2400 Double Leaf Glazed Swing Door	1	No		-
3.8.13	Internal Single Leaf Solid Timber Swing Door including frame, hardware, finishes, fittings and fixing				
3.8.14	850x2400 Single Leaf Solid Timber Swing Door	4	No		-
3.8.15	900x2400 Single Leaf Solid Timber Swing Door	4	No		-
3.8.16	1000x2400 Single Leaf Solid Timber Swing Door	28	No		-
3.8.17	Internal Double Leaf Solid Timber Swing Door including frame, hardware, finishes, fittings and fixing				
3.8.18	1950x2400 Double Leaf Solid Timber Swing Door	3	No		-
3.8.19	2000x2400 Double Leaf Solid Timber Swing Door	2	No		-
3.8.20	Internal Single Leaf Solid Timber Sliding Door including frame, hardware, finishes, fittings and fixing				
3.8.21	1500x2400 Single Leaf Solid Timber Sliding Door	1	No		-
3.8.22	1542x2400 Single Leaf Solid Timber Sliding Door	1	No		-
3.8.23	Internal Roll-up Door including frame, hardware, finishes, fittings and fixing				
3.8.24	2270x2400 Roll-up Door	1	No		-
3.8.25	Sundry				
3.8.26	Allowance for sundry items	1	Item		-

INTERNAL DOORS

66 No

3.9

WALL FINISHES

3.9.1	to ACC CH room	417	m2		-
3.9.2	to Amenities room	171	m2		-
3.9.3	to Female change room	247	m2		-
3.9.4	to Male change room	256	m2		-
3.9.5	to Unisex CH room	195	m2		-
3.9.6	to Change village room	308	m2		-

3.9.7	to Group CH room	342	m2		-
3.9.8	to Aquatic plant room	394	m2		-
3.9.9	to Bin store room	90	m2		-
3.9.10	to Circulation Area room	2748	m2		-
3.9.11	to Clnr ST room	34	m2		-
3.9.12	to Comms room	59	m2		-
3.9.13	to Consult room	231	m2		-
3.9.14	to Store room	631	m2		-
3.9.15	to Creche room	179	m2		-
3.9.16	to Dexa Room	70	m2		-
3.9.17	to First Aid room	75	m2		-
3.9.18	to Fitness Testing room	71	m2		-
3.9.19	to Foyer & Waiting Lounge room	269	m2		-
3.9.20	to Gym room	498	m2		-
3.9.21	to Kitchen room	146	m2		-
3.9.22	to Main Switch Room	153	m2		-
3.9.23	to MGR off room	57	m2		-
3.9.24	to MTG RM room	140	m2		-
3.9.25	to Nicsh Admin & Sports Office room	234	m2		-
3.9.26	to Program Room	573	m2		-
3.9.27	to Rehab Room	114	m2		-
3.9.28	to Roof Plant Access room	76	m2		-
3.9.29	to Sauna room	70	m2		-
3.9.30	to Solar room	128	m2		-
3.9.31	to Sports Science room	212	m2		-
3.9.32	to Staff Kit room	60	m2		-
3.9.33	to Staff Room	161	m2		-
3.9.34	to Teaching & Study room	202	m2		-
3.9.35	Waterproofing				
3.9.36	Allowance for waterproofing to wet areas	233	m2		-
3.9.37	Allowance for waterproofing to pools - vertically	1	Item		-
3.9.38	Backgrounds				
3.9.39	Allowance for plaster backgrounds	1	Item		-
3.9.40	Feature walls and linings				
3.9.41	Allowance for internal feature walls and linings to internal walls	1	Item		-
3.9.42	Sundry				
3.9.43	Allowance for sundry items	1	Item		-

considered full height at shower area and 300mm high in rest of the wet areas

WALL FINISHES

9611 m2

3.10

FLOOR FINISHES

3.10.1	To Wet Areas				
3.10.2	to ACC CH room	60	m2		-
3.10.3	to Amenities room	43	m2		-
3.10.4	to Female change room	70	m2		-
3.10.5	to Male change room	70	m2		-
3.10.6	to Change village room	176	m2		-
3.10.7	to Unisex CH room	24	m2		-
3.10.8	to Group CH WC room	6	m2		-
3.10.9	to Pool Area room	1725	m2		-
3.10.10	To Dry Areas				
3.10.11	to Group CH room	77	m2		-
3.10.12	to Aquatic plant room	256	m2		-
3.10.13	to Bin store room	23	m2		-
3.10.14	to Circulation Area room	2015	m2		-
3.10.15	to Clnr ST room	7	m2		-
3.10.16	to Comms room	10	m2		-
3.10.17	to Consult room	39	m2		-
3.10.18	to Store room	245	m2		-
3.10.19	to Creche room	109	m2		-
3.10.20	to Dexa Room	13	m2		-
3.10.21	to First Aid room	16	m2		-
3.10.22	to Fitness Testing room	20	m2		-
3.10.23	to Foyer & Waiting Lounge room	319	m2		-
3.10.24	to Gym room	638	m2		-
3.10.25	to Kitchen room	33	m2		-
3.10.26	to Main Switch Room	62	m2		-
3.10.27	to MGR off room	10	m2		-
3.10.28	to MTG RM room	34	m2		-
3.10.29	to Nicsh Admin & Sports Office room	249	m2		-
3.10.30	to Program Room	341	m2		-
3.10.31	to Rehab Room	38	m2		-
3.10.32	to Roof Plant Access room	13	m2		-
3.10.33	to Sauna room	21	m2		-

3.10.34	to Solar room	32	m2		-
3.10.35	to Sports Science room	166	m2		-
3.10.36	to Staff Kit room	15	m2		-
3.10.37	to Staff Room	64	m2		-
3.10.38	to Teaching & Study room	196	m2		-
3.10.39	Waterproofing				
3.10.40	Allowance for waterproofing to wet areas	482	m2		-
3.10.41	Allowance for waterproofing to pools - horizontally	1	Item		-
3.10.42	Entry Mat				
3.10.43	Allowance for entry mat	1	Item		-
3.10.44	Doors Thresholds				
3.10.45	Allowance for door thresholds	1	Item		-
3.10.46	Floor Joints				
3.10.47	Allowance for floor Joints	1	Item		-
3.10.48	Skirting				
3.10.49	Allowance for skirtings (Total Skirting length: 1530m approximately)	1	Item		-
3.10.50	Floor Screed				
3.10.51	Allowance for screeding below floor finish	1	Item		-
3.10.52	Sundry				
3.10.53	Allowance for sundry items	1	Item		-
FLOOR FINISHES		7235	m2		-

3.11	CEILING FINISHES				
3.11.1	To Wet Areas				
3.11.2	ACC CH	60	m2		-
3.11.3	Amenities	43	m2		-
3.11.4	Female change	70	m2		-
3.11.5	Male change	70	m2		-
3.11.6	Change village	176	m2		-
3.11.7	Unisex CH	24	m2		-
3.11.8	Group CH	83	m2		-
3.11.9	To Dry Areas				
3.11.10	Aquatic plant	256	m2		-
3.11.11	Bin store	23	m2		-
3.11.12	Circulation Area	3741	m2		-
3.11.13	Chr ST	7	m2		-
3.11.14	Comms room	10	m2		-
3.11.15	Consult	39	m2		-
3.11.16	Store	245	m2		-
3.11.17	Creche	109	m2		-
3.11.18	Dexa Room	13	m2		-
3.11.19	First Aid	16	m2		-
3.11.20	Fitness Testing	20	m2		-
3.11.21	Foyer & Waiting Lounge	319	m2		-
3.11.22	Gym	638	m2		-
3.11.23	Kitchen	33	m2		-
3.11.24	Main Switch Room	62	m2		-
3.11.25	MGR off	10	m2		-
3.11.26	MTG RM	34	m2		-
3.11.27	Nicsh Admin & Sports Office	249	m2		-
3.11.28	Program Room	341	m2		-
3.11.29	Rehab Room	38	m2		-
3.11.30	Roof Plant Access	13	m2		-
3.11.31	Sauna	21	m2		-
3.11.32	Solar	32	m2		-
3.11.33	Sports Science	166	m2		-
3.11.34	Staff Kit	15	m2		-
3.11.35	Staff Room	64	m2		-
3.11.36	Teaching & Study	196	m2		-
3.11.37	Bulkheads				
3.11.38	Allowance for bulkheads to false ceilings	1	Item		-
3.11.39	Light coves				
3.11.40	Allowance for light coves to false ceilings	1	Item		-
3.11.41	Trap Doors				
3.11.42	Allowance for trap doors to false ceilings	1	Item		-
3.11.43	Sundry				
3.11.44	Allowance for sundry items	1	Item		-
CEILING FINISHES		7236	m2		-

3.12	FITMENTS				
3.12.1	Joinery				
3.12.2	Toilet Counter 450mm wide	8	m2		-
3.12.3	Staff Kitchen Wash Counter 593 x 1980	2	No		-
3.12.4	Bench 475 to 510 wide	35	m		-
3.12.5	Change Room Island Bench 1200x4700	1	No		-

3.12.6	Circulation Island Bench 1200x2404	5	No		-
3.12.7	Meeting Room Cabinet 475 x 4842	1	No		-
3.12.8	Manager Office Cabinet 490x2400	1	No		-
3.12.9	Staff Kitchen Cabinet 950 x 762	1	No		-
3.12.10	Allowance for Kitchen Cabinets	1	Item		-
3.12.11	Allowance for furniture to COMMS room	1	Item		-
3.12.12	Mirrors				
3.12.13	Fixed mirrors above toilet counters	15	m2		-
3.12.14	Loose mirrors above wash basins	7	m2		-
3.12.15	White Boards, Pinboards etc				
3.12.16	Allowance for White boards, Pinboards etc	1	Item		-
3.12.17	Lockers				
3.12.18	Change Room Lockers 490 (W) x 3300 (L)	1	No		-
3.12.19	Change Room Lockers 490 (W) x 5095 (L)	1	No		-
3.12.20	Signage				
3.12.21	Allowance for statutory signage	1	Item		-
3.12.22	Allowance for wayfinding signage	1	Item		-
3.12.23	Allowance for External Architectural building signage (2 Nos at building Façade)	1	Item		-
3.12.24	Sanitary Works to wet area				
3.12.25	to Change Village				
3.12.26	Cleaners Sink including tapware	1	No		-
3.12.27	Showers with mixers	10	No		-
3.12.28	to Female Amenities (Change Village)				
3.12.29	WC - water closet	4	No		-
3.12.30	WC - water closet for handicap toilet	1	No		-
3.12.31	WB - wash basin	3	No		-
3.12.32	Grab bar for handicap toilet	2	No		-
3.12.33	Floor waste outlet	2	No		-
3.12.34	to Male Amenities (Change Village)				
3.12.35	WC - water closet	4	No		-
3.12.36	WC - water closet for handicap toilet	1	No		-
3.12.37	WB - wash basin	3	No		-
3.12.38	Grab bar for handicap toilet	2	No		-
3.12.39	Floor waste outlet	2	No		-
3.12.40	to ACC CH (Change Village)				
3.12.41	WB - wash basin with mixers	2	No		-
3.12.42	Soap dispenser	4	No		-
3.12.43	WC - water closet with cistern	2	No		-
3.12.44	Toilet roll holder to ACC Toilet	2	No		-
3.12.45	Pair of Accessible grab Rails	2	No		-
3.12.46	965x390 Fold down shower seat	2	No		-
3.12.47	Pair of Shower grab rails to ACC Shower	2	No		-
3.12.48	Shower Rail to ACC Shower	2	No		-
3.12.49	Coat hook	4	No		-
3.12.50	Shower Curtain including rod 1170 wide	2	No		-
3.12.51	Floor waste outlet	2	No		-
3.12.52	to Unisex CH (Change Village)				
3.12.53	WB - wash basin with mixers	2	No		-
3.12.54	Soap dispenser	4	No		-
3.12.55	WC - water closet with cistern	2	No		-
3.12.56	Toilet roll holder to standard toilet	2	No		-
3.12.57	Shower	2	No		-
3.12.58	Shower Rail	2	No		-
3.12.59	Coat hook	4	No		-
3.12.60	Floor waste outlet	2	No		-
3.12.61	to Female Change				
3.12.62	WC - water closet	6	No		-
3.12.63	WC - water closet for handicap toilet	1	No		-
3.12.64	Toilet roll holder	7	No		-
3.12.65	WB - wash basin	5	No		-
3.12.66	Soap dispenser	14	No		-
3.12.67	Grab bar for handicap toilet	2	No		-
3.12.68	Showers set with mixers	9	No		-
3.12.69	Shower grab rails	9	No		-
3.12.70	Hand Dryers [HD]	2	No		-
3.12.71	Floor waste outlet	3	No		-
3.12.72	to Male Change				
3.12.73	WC - water closet	5	No		-
3.12.74	WC - water closet for handicap toilet	1	No		-
3.12.75	Toilet roll holder	6	No		-
3.12.76	WB - wash basin	5	No		-
3.12.77	Soap dispenser	11	No		-

height assumed

assumed

3.12.78	Grab bar for handicap toilet	2	No		-
3.12.79	Urinals	6	No		-
3.12.80	Showers set with mixers	6	No		-
3.12.81	Shower grab rails	6	No		-
3.12.82	Hand Dryers [HD]	2	No		-
3.12.83	Floor waste outlet	3	No		-
3.12.84	to ACC CH				
3.12.85	WB - wash basin with mixers	7	No		-
3.12.86	Soap dispenser	14	No		-
3.12.87	WC - water closet with cistern	7	No		-
3.12.88	Toilet roll holder to ACC Toilet	7	No		-
3.12.89	Pair of Accessible grab Rails	7	No		-
3.12.90	Pair of Shower grab rails to ACC Shower	7	No		-
3.12.91	965x390 Fold down shower seat	7	No		-
3.12.92	Shower Rail to ACC Shower	7	No		-
3.12.93	Coat hook	7	No		-
3.12.94	Shower Curtain including rod 1170 wide	7	No		-
3.12.95	Floor waste outlet	7	No		-
3.12.96	to UNISEX CH				
3.12.97	WB - wash basin with mixers	2	No		-
3.12.98	Soap dispenser	4	No		-
3.12.99	WC - water closet with cistern	2	No		-
3.12.100	Toilet roll holder to standard toilet	2	No		-
3.12.101	Shower	2	No		-
3.12.102	Shower Rail	2	No		-
3.12.103	Shower grab rails	2	No		-
3.12.104	Hand Dryers [HD]	2	No		-
3.12.105	Floor waste outlet	2	No		-
3.12.106	to Kitchen				
3.12.107	Kitchen counter with single sink	1	No		-
3.12.108	Kitchen counter with double sink	1	No		-
3.12.109	Paper towel dispenser to kitchens	1	No		-
3.12.110	Floor waste outlet	1	No		-
3.12.111	WB - wash basin with mixers	1	No		-
3.12.112	Soap dispenser	1	No		-
3.12.113	to Creche				
3.12.114	WB - wash basin with mixers	1	No		-
3.12.115	Soap dispenser	1	No		-
3.12.116	WC - water closet with cistern	1	No		-
3.12.117	Baby change table	1	No		-
3.12.118	to Group CH 1 & 2				
3.12.119	WB - wash basin with mixers	2	No		-
3.12.120	Soap dispenser	2	No		-
3.12.121	WC - water closet with cistern	2	No		-
3.12.122	Toilet roll holder	2	No		-
3.12.123	Hand Dryers [HD]	2	No		-
3.12.124	Concourse Shower				
3.12.125	Concourse Shower	3	No		-

assumed

assumed to all ACC CH

FITMENTS

403 No

3.18

FF&E & LOOSE EQUIPMENTS

3.18.1	Reception				
3.18.2	Cafeteria Counter 900 (W) x 6600 (L)	1	No		-
3.18.3	Reception Counter 900 (W) x 11740 (L); L-Shaped	1	No		-
3.18.4	Desks, Chairs				
3.18.5	Type 1 Chairs to Reception Workstation	1	No		-
3.18.6	Type 2 Chairs to Reception Workstation	1	No		-
3.18.7	Type 1 Chairs to Lounge Table	25	No		-
3.18.8	Type 2 Chairs to Lounge Table	21	No		-
3.18.9	Chair to Gym Office Table	3	No		-
3.18.10	Chair to Manager Office Table	1	No		-
3.18.11	Chairs to Meeting Room Table	20	No		-
3.18.12	Chairs to Staff Kitchen Table	6	No		-
3.18.13	Chairs to Staff Table	8	No		-
3.18.14	Chairs to Staff Room Workstations	9	No		-
3.18.15	Tables, workstations				
3.18.16	Reception Workstation 900 (W) x 3640 (L)	1	No		-
3.18.17	Staff Room Workstation 600x1388	8	No		-
3.18.18	Staff Room Workstation 795x1500	1	No		-
3.18.19	Gym Office Table 796 (W) x 1490 (L)	2	No		-
3.18.20	Manager Office Table with 1 Chair 795 (W) x 1500 (L)	1	No		-
3.18.21	Meeting Room Table with 10 Chairs 897 (W) x 3013 (L)	2	No		-
3.18.22	Staff Kitchen Table with 6 Chairs 898 (W) x 2400 (L)	1	No		-

3.18.23	Staff Table with 8 Chairs 914 (W) x 2404 (L)	1	No		-
3.18.24	Lounge Table 711 (W) x 711 (L)	23	No		-
3.18.25	Sofa				
3.18.26	Type 1 Foyer Furniture 745 (W) x 2100 (L)	2	No		-
3.18.27	Type 2 Foyer Furniture 745 (W) x 2100 (L)	1	No		-
3.18.28	Waiting Area Sofa 593 (W) x 3590 (L)	2	No		-
3.18.29	Garbage Bins				
3.18.30	Garbage Bins 1253 x 1371	6	No		-

FF&E & LOOSE EQUIPMENTS 148 No -

7 CARPARK

7.1 Stage 1

7.1.1	Carparking				
7.1.2	Finish hardscape asphalt for vehicles	6182	m2		-
7.1.3	Allowance for concrete edge haunching	1	Item		-
7.1.4	Allowance for Cross-overs	1	Item		-
7.1.5	Allowance for Concrete Kerbs	1	Item		-
7.1.6	Allowance for Concrete Slotted Kerbs	1	Item		-
7.1.7	Road marking & Metalwork				
7.1.8	Parking lines	1007	m		-
7.1.9	Accessible parking symbol	8	No		-
7.1.10	Allowance for Hazard lines at Accessible parking	1	Item		-
7.1.11	Allowance for Carpark numbering	1	Item		-
7.1.12	Allowance for Handicap Carpark Symbols	6	No		-
7.1.13	Parking Bay	1	No		-
7.1.14	Arrows	27	No		-
7.1.15	Zebra Crossings 2400 (W) x 5975 (L)	1	No		-
7.1.16	Zebra Crossings 2400 (W) x 6600 (L)	6	No		-
7.1.17	Zebra Crossings 3000 (W) x 6000 (L)	1	No		-
7.1.18	Allowance for Bollards at accessible parking	1	Item		-
7.1.19	Carpark Signage	1	Item		-
7.1.20	Footpath pavement				
7.1.21	Finish hardscape concrete for pedestrians	1988	m2		-

Stage 1 8170 m2 -

8 LANDSCAPING

8.1 Stage 1

8.1.1	Shrubs, Trees, Plants				
8.1.2	Trees	202	No		-
8.1.3	Protection of existing trees	7	No		-
8.1.4	Mow (managed grass)	1250	m2		-
8.1.5	Specific feature planting area	219	m2		-
8.1.6	Planting in parking area	383	m2		-
8.1.7	Ground cover shrubs & rocks	5849	m2		-
8.1.8	Landscape Swale drain - Potential pond area for drainage	739	m2		-
8.1.9	Existing northern embankment cut	166	m2		-
8.1.10	Existing northern embankment fill	121	m2		-
8.1.11	Concrete Pavements				
8.1.12	Exposed concrete paving	964	m2		-
8.1.13	Feature specialised exposed aggregate paving	121	m2		-
8.1.14	1.5m gravel path graded away from the facade	124	m2		-
8.1.15	Seating				
8.1.16	Square timber seat 2000 x 2000	4	No		-
8.1.17	Timber Bench	13	m		-
8.1.18	Concrete retaining seat edge with timber top	23	m		-
8.1.19	Screens				
8.1.20	Fence 1535mm high, to Creche	19	m		-
8.1.21	Fence 2450mm high, to Outdoor area (West)	64	m		-
8.1.22	Fence 2450mm high, to Service Enclosure	27	m		-
8.1.23	Service enclosure fence door 2300 (W) x 2450 (H)	1	No		-
8.1.24	Prefabricated fire pump enclosure	13	m		-
8.1.25	Bins				
8.1.26	Outdoor Bins	4	No		-
8.1.27	Outdoor Chairs				
8.1.28	Type 1 Outdoor Chairs to Lounge Table	14	No		-
8.1.29	Type 2 Outdoor Chairs to Lounge Table	8	No		-
8.1.30	Chairs to Outdoor Circular Table	20	No		-
8.1.31	Outdoor Tables				
8.1.32	Outdoor Lounge Table 711 (W) x 711 (L)	11	No		-
8.1.33	Outdoor Circular Table with 4 Chairs 900mm dia	5	No		-
8.1.34	Timber Bridge				
8.1.35	Timber bridges including supports, civil works, finish, handrails etc.	52	m2		-
8.1.36	Shade Structure				
8.1.37	Shade structure size; 2700 (W) x 2700 (L)	14	No		-

8.1.38	Shade structure size; 4000 (W) x 4000 (L)	2	No		-
8.1.39	Shade structure size; 3800 (W) x 21900 (L); to Drop-off area	1	No		-
8.1.40	Bike Racks				
8.1.41	Bike racks	9	No		-
8.1.42	Drinking Fountain				
8.1.43	Allowance for Drinking Fountain	1	No		-
8.1.44	Nature Play				
8.1.45	Allowance for Nature Play	1	Item		-
8.1.46	Three Phase Power				
8.1.47	Three Phase Power for plaza activation opportunities	1	No		-
8.1.48	Lighting poles				
8.1.49	Lighting poles	8	No		-
8.1.50	Entry Signage				
8.1.51	Way finding, entry signage	1	Item		-
8.1.52	Misc. Structure				
8.1.53	Tank suction and boost points size_2500 (W) x 1000 (D)	1	No		-
8.1.54	Fire water storage tank 10000 (L) x 6000 (W) x 2500 (H)	1	No		-
Stage 1		9936	m2		-

DA201	Ground to 1st Floor	External Wall - 270mm thick Reinforced Precast Wall 5.00m high ded Rolling Shutter (Assumed) 2.40m high	0	2488.63	200A27	1	2.49	2.40	1.00								3.5.2	2490 x 2400 Roll-up Door, to Aquatic Plant	2.00	No
DA201	Ground to 1st Floor	External Wall - 270mm thick Reinforced Precast Wall 5.00m high ded Rolling Shutter (Assumed) 2.40m high	0	2488.63	200A32	1	2.49	2.40	1.00											
																	3.5.3	External Double Leaf Swing Door incl frame, hardware, finishes, fittings and fitting		
DA201	Ground to 1st Floor	External Wall - 270mm thick Reinforced Precast Wall 5.00m high ded Double Leaf Door 2.4m high	0	1929.96	200A49	1	1.93	2.40	1.00								3.5.4	1930 x 2400 Double Leaf Swing Door, to Solar Room	1.00	No
																	3.5.5	1950 x 2400 Double Leaf Swing Door, to Main Switch Room	1.00	No
DA201	Ground to 1st Floor	External Wall - 270mm thick Reinforced Precast Wall 5.00m high ded Double Leaf Door 2.4m high	0	1946.89	200A3E	1	1.95	2.40	1.00								3.5.6	External Double Leaf Metal Louvered Swing Door incl frame, hardware, finishes, fittings and fitting		
																	3.5.7	1910 x 2400 Double Leaf Metal Louvered Swing Door, to Bin Store	1.00	No
DA201	Ground to 1st Floor	External Wall - 270mm thick Reinforced Precast Wall 5.00m high ded Double Leaf Louvered Door 2.4m high	0	1913.03	200A55	1	1.91	2.40	1.00								3.5.8	External Double Leaf Glazed Swing Door incl frame, hardware, finishes, fittings and fitting		
																	3.5.9	1690 x 3000 Double Leaf Glazed Swing Door, to Pool Hall	1.00	No
DA201	Ground to 1st Floor	External Wall - 593mm thick 10.85m high ded Double Leaf Glass Door 3.0m high	0	1692.95	200Q3E	1	1.69	3.00	1.00								3.5.10	1710 x 3000 Double Leaf Glazed Swing Door, to Pool Hall	1.00	No
																	3.5.11	1950 x 2700 Double Leaf Glazed Swing Door, to Grache	1.00	No
DA201	Ground to 1st Floor	less Double Leaf Swing Door 2.70m high				1	1.95	2.70	1.00								East Elevation			
																	3.5.12	External Single Leaf Glazed Swing Door incl frame, hardware, finishes, fittings and fitting		
DA201	Ground to 1st Floor	less Single Leaf Swing Door 2.70m high				1	0.95	2.70	1.00								East Elevation			
DA201	Ground to 1st Floor	less Single Leaf Swing Door 2.70m high				1	0.95	2.70	1.00								East Elevation			
																	3.5.13	950 x 2700 Single Leaf Glazed Swing Door, to Program Room 1 & Gym	2.00	No
																	3.5.14	External Double Leaf Glazed Sliding Door (framed/ frameless) incl accessories, hardware, finishes, fittings and fitting		
DA201	Ground to 1st Floor	less Double Leaf Sliding Door 3.00m high				1	2.35	3.00	1.00								3.5.15	2350 x 3000 External Double Leaf Glazed Sliding Door, to North & South Entry	2.00	No
DA201	Ground to 1st Floor	less Double Leaf Sliding Door 3.00m high				1	2.35	3.00	1.00								South Elevation			
																	North Elevation			
DA201	Ground to 1st Floor	External Wall - 593mm thick 10.85m high ded Double Leaf Glass Door 3.0m high	0	1709.88	200Q34	1	1.71	3.00	1.00								3.5.16	1710 x 3000 Double Leaf Glazed Swing Door, to Pool Hall	1.00	No
																	3.5.17	External Single Leaf Glazed Sliding Door (framed/ frameless) incl accessories, hardware, finishes, fittings and fitting		
DA201	Ground to 1st Floor	less Sliding Door 2.40m high				1	0.95	2.40	1.00								3.5.18	950 x 2400 External Single Leaf Glazed Sliding Door, to North Elevation	1.00	No

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Quantities

Client Name: Tarnworth Council
Project Name: Tarnworth Regional Aquatic Centre



Report Date: 8/07/2024

Ref. No.	Level	Description	Area	Part	Qty	Units	Site 1	Site 2	Site 3	Total	Unit	Remarks	Code	Description	Quantity	Unit
INTERNAL SCREENS																
DA201	Ground Floor	Cubicles 1693 long	0	829.54	200FD6	1				1.00	No			Cubicles, size: 830 (W) x 1693 (L)	2.00	No
DA201	Ground Floor	Cubicles 1693 long	0	829.54	200FEC	1				1.00	No					
DA201	Ground Floor	Cubicles 1693 long	0	846.47	200FE1	1				1.00	No			Cubicles, size: 846 (W) x 1693 (L)	2.00	No
DA201	Ground Floor	Cubicles 1693 long	0	846.47	200FF7	1				1.00	No					
DA201	Ground Floor	Cubicles 1693 long	0	863.4	201002	1				1.00	No			Cubicles, size: 863 (W) x 1693 (L)	1.00	No
DA201	Ground Floor	Cubicles 1998 long	0	1506.72	201042	1				1.00	No			Cubicles, size: 1507 (W) x 1998 (L)	2.00	No
DA201	Ground Floor	Cubicles 1998 long	0	1506.72	20104D	1				1.00	No					
DA201	Ground Floor	Cubicles 1998 long	0	1523.65	20102C	1				1.00	No			Cubicles, size: 1524 (W) x 1998 (L)	2.00	No
DA201	Ground Floor	Cubicles 1998 long	0	1523.65	201037	1				1.00	No					
DA201	Ground Floor	Shower Cubicles 1693 long	0	829.54	200F48	1				1.00	No			Shower cubicles, size: 830 (W) x 1693 (L)	4.00	No
DA201	Ground Floor	Shower Cubicles 1693 long	0	829.54	200F3E	1				1.00	No					
DA201	Ground Floor	Shower Cubicles 1693 long	0	829.54	200F8E	1				1.00	No					
DA201	Ground Floor	Shower Cubicles 1693 long	0	829.54	200FA4	1				1.00	No					
DA201	Ground Floor	Shower Cubicles 1693 long	0	846.47	200F53	1				1.00	No			Shower cubicles, size: 846 (W) x 1693 (L)	4.00	No
DA201	Ground Floor	Shower Cubicles 1693 long	0	846.47	200F69	1				1.00	No					
DA201	Ground Floor	Shower Cubicles 1693 long	0	846.47	200F99	1				1.00	No					
DA201	Ground Floor	Shower Cubicles 1693 long	0	846.47	200FAF	1				1.00	No					
DA201	Ground Floor	Shower Cubicles 1693 long	0	863.4	200F74	1				1.00	No			Shower cubicles, size: 863 (W) x 1693 (L)	2.00	No
DA201	Ground Floor	Shower Cubicles 1693 long	0	863.4	200F8A	1				1.00	No					
DA201	Ground Floor	Shower Cubicles 1628 long	0	948.05	20108D	1				1.00	No			Shower cubicles, size: 948 (W) x 1628 (L)	5.00	No
DA201	Ground Floor	Shower Cubicles 1628 long	0	948.05	201123	1				1.00	No					
DA201	Ground Floor	Shower Cubicles 1628 long	0	948.05	201139	1				1.00	No					
DA201	Ground Floor	Shower Cubicles 1628 long	0	948.05	20115A	1				1.00	No					
DA201	Ground Floor	Shower Cubicles 1628 long	0	948.05	201185	1				1.00	No					
DA201	Ground Floor	Shower Cubicles 1628 long	0	964.98	201082	1				1.00	No			Shower cubicles, size: 965 (W) x 1628 (L)	8.00	No
DA201	Ground Floor	Shower Cubicles 1628 long	0	964.98	201096	1				1.00	No					
DA201	Ground Floor	Shower Cubicles 1628 long	0	964.98	2010A3	1				1.00	No					
DA201	Ground Floor	Shower Cubicles 1628 long	0	964.98	20112E	1				1.00	No					
DA201	Ground Floor	Shower Cubicles 1628 long	0	964.98	201144	1				1.00	No					
DA201	Ground Floor	Shower Cubicles 1628 long	0	964.98	20114F	1				1.00	No					
DA201	Ground Floor	Shower Cubicles 1628 long	0	964.98	20116F	1				1.00	No					
DA201	Ground Floor	Shower Cubicles 1628 long	0	964.98	20117A	1				1.00	No					
DA201	Ground Floor	Shower Cubicles 1628 long	0	981.91	201077	1				1.00	No			Shower cubicles, size: 982 (W) x 1628 (L)	2.00	No
DA201	Ground Floor	Shower Cubicles 1628 long	0	981.91	2010D9	1				1.00	No					
DA201	Ground Floor	Toilet Cubicles 1540 long	0	828.75	200F17	1				1.00	No			Toilet cubicles, size: 830 (W) x 1540 (L)	1.00	No
DA201	Ground Floor	Toilet Cubicles 1540 long	0	846.47	200F22	1				1.00	No			Toilet cubicles, size: 847 (W) x 1540 (L)	3.00	No
DA201	Ground Floor	Toilet Cubicles 1540 long	0	846.47	200F2D	1				1.00	No					
DA201	Ground Floor	Toilet Cubicles 1540 long	0	847.27	200F07	1				1.00	No					
DA201	Ground Floor	Toilet Cubicles 1557 long	0	829.54	200EBD	1				1.00	No			Toilet cubicles, size: 830 (W) x 1557 (L)	1.00	No
DA201	Ground Floor	Toilet Cubicles 1557 long	0	846.47	2.00E+ 84	1				1.00	No			Toilet cubicles, size: 846 (W) x 1557 (L)	3.00	No
DA201	Ground Floor	Toilet Cubicles 1557 long	0	846.47	#####	1				1.00	No					
DA201	Ground Floor	Toilet Cubicles 1557 long	0	846.47	200EA3	1				1.00	No					
DA201	Ground Floor	Toilet Cubicles 1557 long	0	948.05	2.00E+ 79	1				1.00	No			Toilet cubicles, size: 949 (W) x 1557 (L)	2.00	No
DA201	Ground Floor	Toilet Cubicles 1557 long	0	948.05	200EFB	1				1.00	No					
DA201	Ground Floor	Toilet Cubicles 1625 long	0	897.26	201204	1				1.00	No			Toilet cubicles, size: 897 (W) x 1625 (L)	2.00	No
DA201	Ground Floor	Toilet Cubicles 1625 long	0	897.26	201267	1				1.00	No					
DA201	Ground Floor	Toilet Cubicles 1625 long	0	914.19	20120F	1				1.00	No			Toilet cubicles, size: 914 (W) x 1625 (L)	4.00	No
DA201	Ground Floor	Toilet Cubicles 1625 long	0	914.19	201230	1				1.00	No					
DA201	Ground Floor	Toilet Cubicles 1625 long	0	914.19	201246	1				1.00	No					
DA201	Ground Floor	Toilet Cubicles 1625 long	0	914.19	201251	1				1.00	No					
DA201	Ground Floor	Toilet Cubicles 1625 long	0	931.12	20121A	1				1.00	No			Toilet cubicles, size: 931 (W) x 1625 (L)	4.00	No
DA201	Ground Floor	Toilet Cubicles 1625 long	0	931.12	201225	1				1.00	No					
DA201	Ground Floor	Toilet Cubicles 1625 long	0	931.12	201238	1				1.00	No					
DA201	Ground Floor	Toilet Cubicles 1625 long	0	931.12	20125C	1				1.00	No					
DA201	Ground Floor	Toilet Cubicles 1811 long	0	948.05	2010F3	1				1.00	No			Toilet cubicles, size: 949 (W) x 1811 (L)	2.00	No
DA201	Ground Floor	Toilet Cubicles 1811 long	0	948.05	20110B	1				1.00	No					
DA201	Ground Floor	Toilet Cubicles 1811 long	0	964.98	2010FE	1				1.00	No			Toilet cubicles, size: 965 (W) x 1811 (L)	1.00	No
DA201	Ground Floor	Urinal Partitions	0	406.31	2011A0	1				1.00	No			Urinal Partitions	7.00	No
DA201	Ground Floor	Urinal Partitions	0	406.31	2011B5	1				1.00	No					
DA201	Ground Floor	Urinal Partitions	0	389.38	2011B6	1				1.00	No					
DA201	Ground Floor	Urinal Partitions	0	389.38	2011B7	1				1.00	No					
DA201	Ground Floor	Urinal Partitions	0	389.38	2011C7	1				1.00	No					
DA201	Ground Floor	Urinal Partitions	0	389.38	2011D2	1				1.00	No					
DA201	Ground Floor	Urinal Partitions	0	389.38	2011D0	1				1.00	No					

DA201	Ground floor	170mm thick Partition wall, +0.0, shed rolling shutter door, +2.40	0	2271.14	200777	1					1.00	No								
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DA201	Ground floor	SPORTS SCIENCE -4.80.0.1	160983.95.5	52271.19	2009P.0	1	165.98	65.58	m2	Sports Science	165.00	m2
DA201	Ground floor	STAFF KIT -4.80.0.1	150484.14.24	15893.22	20010.8	1	15.04	15.04	m2	Staff Kit	15.00	m2
DA201	Ground floor	STAFF -4.80.0.1	6449456.19	3747.83	20018E	1	64.49	64.49	m2	Staff Room	64.00	m2
DA201	Ground floor	TEACHING AND STUDY -4.80.0.1	195249527.1	56237.29	2009P.4	1	195.25	195.25	m2	Teaching & Study	195.00	m2
DA201	Ground floor	ACC CH -4.80.0.1	7010524.25	10512.17	20071E	1.00	1051	1051	m	Bar/caf	1050.00	m
DA201	Ground floor	ACC CH -4.80.0.1	7057741.86	10544.07	20071E	1.00	1054	1054	m			
DA201	Ground floor	ACC CH -4.80.0.1	7057741.86	10544.07	20018.0	1.00	1054	1054	m			
DA201	Ground floor	ACC CH -4.80.0.1	7010524.25	10512.17	20081	1.00	1051	1051	m			
DA201	Ground floor	ACC CH -4.80.0.1	601427.97	10032.43	20012.3	1.00	1033	1033	m			
DA201	Ground floor	ACC CH -4.80.0.1	6207846.82	10033.39	20012.4	1.00	1003	1003	m			
DA201	Ground floor	ACC CH -4.80.0.1	499104.62	895.05	20010	1.00	898	898	m			
DA201	Ground floor	ACC CH -4.80.0.1	499104.21	895.05	20011	1.00	898	898	m			
DA201	Ground floor	ACC CH -4.80.0.1,DED DOOR -2.40,ASSUM	0	898.37	20002.7	-1.00	-898	-898	m			
DA201	Ground floor	ACC CH -4.80.0.1,DED DOOR -2.40,ASSUM	0	898.31	20002.8	-1.00	-896	-896	m			
DA201	Ground floor	ACC CH -4.80.0.1,DED DOOR -2.40,ASSUM	0	1000	20023A	-1.00	-1000	-1000	m			
DA201	Ground floor	ACC CH -4.80.0.1,DED DOOR -2.40,ASSUM	0	1000	20023B	-1.00	-1000	-1000	m			
DA201	Ground floor	ACC CH -4.80.0.1,DED DOOR -2.40,ASSUM	0	1000	20023C	-1.00	-1000	-1000	m			
DA201	Ground floor	ACC CH -4.80.0.1,DED DOOR -2.40,ASSUM	0	1000	20023D	-1.00	-1000	-1000	m			
DA201	Ground floor	ACC CH -4.80.0.1,DED DOOR -2.40,ASSUM	0	1016.99	20023E	-1.00	-102	-102	m			
DA201	Ground floor	ACC CH -4.80.0.1,DED DOOR -2.40,ASSUM	0	1000	20023F	-1.00	-1000	-1000	m			
DA201	Ground floor	ACC CH -4.80.0.1,DED DOOR -2.40,ASSUM	8891413.13	11932.2	20000.9	-1.00	-1193	-1193	m			
DA201	Ground floor	ACC CH -4.80.0.1,DED DOOR -2.40,ASSUM	0	1016.99	20023G	-1.00	-102	-102	m			
DA201	Ground floor	UNISEX CH -4.80.0.1	6191615.16	996.1	20012.1	1.00	997	997	m			
DA201	Ground floor	UNISEX CH -4.80.0.1	6014976.63	998.31	20012.2	1.00	998	998	m			
DA201	Ground floor	UNISEX CH -4.80.0.1	427691.24	840.78	20020E	1.00	841	841	m			
DA201	Ground floor	UNISEX CH -4.80.0.1	427690.9	840.78	20020F	1.00	841	841	m			
DA201	Ground floor	UNISEX CH -4.80.0.1,DED DOOR -2.40,ASSUM	0	795.61	20020.9	-1.00	-840	-840	m			
DA201	Ground floor	UNISEX CH -4.80.0.1,DED DOOR -2.40,ASSUM	0	795.61	20038A	-1.00	-840	-840	m			
DA201	Ground floor	UNISEX CH -4.80.0.1,DED DOOR -2.40,ASSUM	0	1000	20028B	-1.00	-1000	-1000	m			
DA201	Ground floor	UNISEX CH -4.80.0.1,DED DOOR -2.40,ASSUM	0	1016.99	20023D	-1.00	-102	-102	m			
DA201	Ground floor	CHANGE VILLAGE -4.80.0.1	942297.0	3384.75	20002	3.00	3384	3384	m			
DA201	Ground floor	CHANGE VILLAGE -4.80.0.1	1045676.39	2898.3	20038A	2.00	289	289	m			
DA201	Ground floor	CHANGE VILLAGE -4.80.0.1	0	2016.99	20002	1.00	2102	2102	m			
DA201	Ground floor	CHANGE VILLAGE -4.80.0.1	234007163.63	1098.3	20013	1.00	1386	1386	m			

DA021	Ground floor	CRICHE -4.80.1,DED DOOR,-2.40,ASSUME	0	886.31	2030AD	-1.00	830	-0.96	
DA021	Ground floor	CRICHE -4.80.1,DED GLAZING,-2.70	0	8000	2033A	-1.00	800	-8.00	
DA021	Ground floor	CRICHE -4.80.1,DED GLAZING,-3.0,ASSUME	0	271186	20301E	-1.00	271	-2.71	
DA021	Ground floor	DEKA ROOM -4.80.1	1304837.94	15454.39	2001B8	1.00	1545	154.51	
DA021	Ground floor	DEKA ROOM -4.80.1,DED DOOR,-2.40,ASS	0	1033.9	2030B8	-1.00	1.03	-1.03	
DA021	Ground floor	FET AD,-5.0.1	16028676.16	18237.29	2005C4	1.00	1824	16.24	
DA021	Ground floor	FET AD,-5.0.1,DED DOOR,-2.40,ASSUME	0	1900	2030B8	-1.00	1.90	-1.90	
DA021	Ground floor	FET AD,-5.0.1,DED DOOR,-2.40,ASSUME	0	1900	2030B8	-1.00	1.90	-1.90	
DA021	Ground floor	FITNESS TESTING,-4.8.1	20032748.26	18000	2004T7	-1.00	1800	-18.00	
DA021	Ground floor	FITNESS TESTING,-4.8.1,DED DOOR,-2.40,	0	1900	2040E6	-1.00	1.90	-1.90	
DA021	Ground floor	FITNESS TESTING,-4.8.1,DED GLAZING,-2.7	0	4033.39	2030AC	-1.00	4.03	-4.03	
DA021	Ground floor	FOYER -4.80.1	27887876.41	22635.75	2030B8	1.00	2264	22.64	
DA021	Ground floor	FOYER -4.80.1	1491381.91	19193.25	2002C0	1.00	1192	11.93	
DA021	Ground floor	FOYER -4.80.1	0	2037.23	2003C6	1.00	2.04	2.04	
DA021	Ground floor	FOYER -4.80.1	0	1306.75	2006A6	-1.00	1306	-13.06	
DA021	Ground floor	FOYER -4.80.1	0	3677.97	2006B8	1.00	3.68	3.68	
DA021	Ground floor	FOYER -4.80.1	0	3076.01	2006B8	1.00	3.08	3.08	
DA021	Ground floor	FOYER -4.80.1,DED GLAZING,3.0,ASSUME	0	5306.75	2002C3	-1.00	5306	-53.06	
DA021	Ground floor	FOYER -4.80.1,DED GLAZING,3.0,ASSUME	0	3677.97	2004C1	-1.00	3.68	-3.68	
DA021	Ground floor	FOYER -4.80.1,DED GLAZING,3.0,ASSUME	0	3677.97	2004C2	-1.00	3.68	-3.68	
DA021	Ground floor	FOYER -4.80.1,DED GLAZING,3.0,ASS	2782647.19	2091.7	2030C6	-1.00	20.92	-20.92	
DA021	Ground floor	GYN OFFICE,-4.80.1	7607336.99	8423.75	200511	1.00	8.42	8.42	
DA021	Ground floor	GYN OFFICE,-4.80.1	7607336.99	8423.75	2004C2	1.00	8.42	8.42	
DA021	Ground floor	GYN OFFICE,-4.80.1,DED GLAZING,-3.0,AS	14211433.34	10584.92	2004C2	1.00	10.59	-10.59	
DA021	Ground floor	GYN -4.80.1	74846426.68	8627.91	200511	1.00	86.28	86.28	
DA021	Ground floor	GYN -4.80.1	2560270.33	5140.78	2004C2	1.00	51.41	51.41	
DA021	Ground floor	GYN -4.80.1	7778493.23	8474.59	2004C7	1.00	8.47	8.47	
DA021	Ground floor	GYN -4.80.1,DED DOOR,-3.0,ASSUME	0	1948.15	2030C6	-1.00	1.95	-1.95	
DA021	Ground floor	GYN -4.80.1,DED DOOR,-2.40,ASSUME	0	1016.95	2030C0	-1.00	1.02	-1.02	
DA021	Ground floor	GYN -4.80.1,DED GLAZING,-3.20	7038767.36	41894.53	2003C0	-1.00	41.89	-41.89	
DA021	Ground floor	GYN -4.80.1,DED GLAZING,-2.70	0	1315.39	2003A4	-1.00	13.81	-13.81	
DA021	Ground floor	GYN -4.80.1,DED GLAZING,-3.0,ASSUME	0	626.26	2030B1	-1.00	6.26	-6.26	
DA021	Ground floor	GYN -4.80.1,DED GLAZING,-3.0,ASSUME	0	476.81	2030B8	-1.00	4.76	-4.76	
DA021	Ground floor	GYN -4.80.1,DED GLAZING,-3.0,ASSUME	7787915.12	8474.52	2004C3	-1.00	8.47	-8.47	
DA021	Ground floor	GYN -4.80.1,DED GLAZING,-3.0,ASS	3083571.25	18859.39	2003B1	-1.00	18.86	-18.86	
DA021	Ground floor	GYN -4.80.1,DED GLAZING,-3.0,AVG	0	328.86	2003C7	-1.00	3.23	-3.23	
DA021	Ground floor	KITCHEN -4.80.1	29170281.39	24002.02	2001B6	1.00	24.50	24.50	
DA021	Ground floor	KITCHEN -4.80.1	399999.87	800	2001B7	1.00	8.00	8.00	
DA021	Ground floor	KITCHEN -4.80.1,DED DOOR,-2.40,ASSUME	0	1900	2003C3	-1.00	1.90	-1.90	
DA021									

										Dry area			
DA201	Ground floor	AQUATIC PLANT,-4.80-0.1	24201422.8	69152.54	2005A-E	1	242.05		242.05	m2	Aquatic plant	266.00	m2
DA201	Ground floor	AQUATIC PLANT,-4.80-0.1	13647891.85	14779.66	2005A-F	1	13.65		13.65	m2			
DA201	Ground floor	BN STORE,-4.80-0.1	2324320.57	19288.14	2008B-8	1	23.24		23.24	m2	Bin store	23.00	m2
DA201	Ground floor	CIRCULATION,-4.80-0.1	78196308.2	118271.19	2001B-3	1	781.96		781.96	m2	Circulation Area	1341.00	m2
DA201	Ground floor	CIRCULATION,-4.80-0.1	26156106.0	240299	2001E-2	1	2615.62		2615.62	m2			
DA201	Ground floor	CIRCULATION,-4.80-0.1_DEAD POOL WALL	138214129.9	158112.17	2001F-9	0	1382.14		0.00	m2			
DA201	Ground floor	CIRCULATION,-4.80-0.1_DEAD WARM WATER P	34154044.6	78372.88	2001B-7	0	341.53		0.00	m2			
DA201	Ground floor	CORRIDOR,-4.80-0.1	34308513.7	18339.7	200177	1	343.01		343.01	m2			
DA201	Ground floor	CLNR ST,-4.80-0.1	3695304.36	7698.3	200215	1	3.90		3.90	m2	Clear ST	7.00	m2
DA201	Ground floor	CLNR ST,-4.80-0.1	3060327.87	7651.02	200247	1	3.06		3.06	m2			
DA201	Ground floor	COMMS,-4.80-0.1	10277219.19	13016.95	200192	1	10.28		10.28	m2	Comms room	10.00	m2
DA201	Ground floor	CONSULT 1,-4.80-0.1	9895261.68	12647.46	200166	1	9.89		9.89	m2	Consult	39.00	m2
DA201	Ground floor	CONSULT 2,-4.80-0.1	964893.68	12813.56	200162	1	9.85		9.85	m2			
DA201	Ground floor	CONSULT 3,-4.80-0.1	964893.68	12813.56	200156	1	9.85		9.85	m2			
DA201	Ground floor	CONSULT 4,-4.80-0.1	964893.68	12813.56	200159	1	9.85		9.85	m2			
DA201	Ground floor	CRECHE STORE,-4.80-0.1	3998851.18	8000	200127	1	4.00		4.00	m2	Store	240.00	m2
DA201	Ground floor	STORE,-4.80-0.1	3620984	27407.63	200148	1	36.20		36.20	m2			
DA201	Ground floor	STORE,-4.80-0.1	6734058.68	10711.86	200162	1	67.33		67.33	m2			
DA201	Ground floor	LTS STORE,-4.80-0.1	143891619.3	47864.47	200047	1	143.89		143.89	m2			
DA201	Ground floor	POOL OFFICE STORE,-4.80-0.1	36861704.61	23966.1	2000C-C	1	36.87		36.87	m2			
DA201	Ground floor	WWP STORE,-4.80-0.1	16916276.23	16745.76	2000E-5	1	16.92		16.92	m2			
DA201	Ground floor	CRECHE,-4.80-0.1	10878548.2	45457.63	20011A	1	108.79		108.79	m2	Creche	109.00	m2
DA201	Ground floor	DEAR ROOM,-4.80-0.1	13046537.84	15474.6	200188	1	13.05		13.05	m2	Deas Room	13.00	m2
DA201	Ground floor	FST AID,-4.80-0.1	16028676.16	16237.29	2000C-4	1	16.03		16.03	m2	First Aid	16.00	m2
DA201	Ground floor	FITNESS TESTING,-4.80-0.1	20032748.29	18000	200147	1	20.03		20.03	m2	Fitness Testing	20.00	m2
DA201	Ground floor	FOYER,-4.80-0.1	213073810.1	61488.12	2001F-E	1	213.57		213.57	m2	Foyer & Waiting Lounge	319.00	m2
DA201	Ground floor	WAITING LOUNGE,-4.80-0.1	105260742.7	43194.98	2001F-0	1	105.25		105.25	m2			
DA201	Ground floor	GYM,-4.80-0.1	63713307.7	145560.13	200151	1	637.51		637.51	m2	Gym	638.00	m2
DA201	Ground floor	KITCHEN,-4.80-0.1	29170281.39	24530.02	200196	1	29.17		29.17	m2	Kitchen	33.00	m2
DA201	Ground floor	KITCHEN,-4.80-0.1	3999999.87	8000	200199	1	4.00		4.00	m2			
DA201	Ground floor	MAIN SWITCH ROOM,-4.80-0.1	6204993.08	33116.84	2008B-3	1	62.05		62.05	m2	Main Switch Room	62.00	m2
DA201	Ground floor	MGR OFF 4,-4.80-0.1	9903										

										Change village	308.00 m2	
DA021	Ground floor	CHANGE VILLAGE -4.80.0.1	942297.83	3084.75	200202	1.00	3.08	4.7	14.80	m2		
DA021	Ground floor	CHANGE VILLAGE -4.80.0.1	1040676.39	2899.3	200304	-1.00	2.90	4.7	13.80	m2		
DA021	Ground floor	CHANGE VILLAGE -4.80.0.1	0	2101.95	200202	1.00	2.10	4.8	100.80	m2		
DA021	Ground floor	CHANGE VILLAGE -4.80.0.1	23400746.03	13889.3	200313	-1.00	13.90	4.7	65.30	m2		
DA021	Ground floor	CHANGE VILLAGE -4.80.0.1	0	2101.95	200304	1.00	21.02	4.7	99.70	m2		
DA021	Ground floor	CHANGE VILLAGE -4.80.0.1	187446.14	2610.17	200304	1.00	2.61	4.7	12.27	m2		
DA021	Ground floor	CHANGE VILLAGE -4.80.0.1	20837.2	2610.17	200306	-1.00	2.61	4.7	12.27	m2		
DA021	Ground floor	CHANGE VILLAGE -4.80.0.1	22886295.55	2112.54	200307	-1.00	21.15	4.7	99.42	m2		
DA021	Ground floor	CHANGE VILLAGE -4.80.0.1,DED DOOR -1.80.	0	2099.31	20034C	-1.00	20.90	1.6	37.60	m2		
DA021	Ground floor	CHANGE VILLAGE -4.80.0.1,DED DOOR -2.40.	0	599.31	200306	-1.00	5.99	2.4	2.46	m2		
DA021	Ground floor	CHANGE VILLAGE -4.80.0.1,DED DOOR -2.40.	0	796.61	20030C	-1.00	6.80	2.4	1.91	m2		
DA021	Ground floor	CHANGE VILLAGE -4.80.0.1,DED DOOR -2.40.	0	796.61	20030D	-1.00	6.80	2.4	1.91	m2		
DA021	Ground floor	CHANGE VILLAGE -4.80.0.1,DED DOOR -2.40.	0	898.33	20030C	-1.00	8.98	2.4	2.46	m2		
DA021	Ground floor	CHANGE VILLAGE -4.80.0.1,DED GLAZING -1.	0	2101.95	200408	-1.00	21.02	3	43.55	m2		
DA021	Ground floor	GROUP CH 1 -5.0.0.1	3841847.36	27932.22	20002D	1.00	27.98	4.9	135.21	m2		
DA021	Ground floor	GROUP CH 1 -5.0.0.1	2711854.39	1791.93	200228	1.00	6.71	4.9	32.80	m2		
DA021	Ground floor	GROUP CH 1 -5.0.0.1,DED DOOR -2.40,ASSU	0	1.00	200202	-1.00	1.00	2.4	2.40	m2		
DA021	Ground floor	GROUP CH 1 -5.0.0.1,DED DOOR -2.40,ASSU	0	847.46	2002A2	-1.00	0.85	2.4	2.03	m2		
DA021	Ground floor	GROUP CH 1 -5.0.0.1,DED DOOR -2.40,ASSU	0	847.46	2002A3	-1.00	0.85	2.4	2.03	m2		
DA021	Ground floor	GROUP CH 1 -5.0.0.1,DED ROLLING SHUTTER	0	2205.04	200001	-1.00	23.1	2.4	5.93	m2		
DA021	Ground floor	GROUP CH2 -5.0.0.1	322723.15	7423.73	200002	1.00	7.42	4.9	36.36	m2		
DA021	Ground floor	GROUP CH2 -5.0.0.1	38403187.22	32423.79	200003	1.00	32.42	19	108.88	m2		
DA021	Ground floor	GROUP CH2 -5.0.0.1,DED DOOR -2.40,ASSU	0	854.41	200206	-1.00	8.86	2.4	2.07	m2		
DA021	Ground floor	GROUP CH2 -5.0.0.1,DED DOOR -2.40,ASSU	0	854.41	200207	-1.00	8.86	2.4	2.07	m2		
DA021	Ground floor	GROUP CH2 -5.0.0.1,DED ROLLING SHUTTER	0	2205.04	200407	-1.00	23.1	2.4	6.00	m2		
DA021	Ground floor	AQUATIC PLANT -5.0.0.1	242051422.8	69152.54	20004E	1.00	69.15	4.9	338.85	m2		
DA021	Ground floor	AQUATIC PLANT -5.0.0.1	13407891.86	14778.66	20004F	1.00	14.78	4.9	72.42	m2		
DA021	Ground floor	AQUATIC PLANT -5.0.0.1,DED DOOR -2.40	0	2491.53	20020C	-1.00	24.9	2.4	5.98	m2		
DA021	Ground floor	AQUATIC PLANT -5.0.0.1,DED DOOR -2.40	0	2491.53	20020D	-1.00	24.9	2.4	5.98	m2		
DA021	Ground floor	AQUATIC PLANT -5.0.0.1,DED DOOR -2.40,ASSU	0	1016.95	200302	-1.00	1.02	2.4	2.44	m2		
DA021	Ground floor	AQUATIC PLANT -5.0.0.1,DED DOOR -2.40,ASSU	0	1016.95	2003A3	-1.00	1.02	2.4	2.44	m2		
DA021	Ground floor	BN STORE -5.0.0.1	22424320.57	10288.14	200088	1.00	10.29	4.9	54.51	m2		
DA021	Ground floor	BN STORE -5.0.0.1,DED DOOR -2.40	0	1915.25	20020D	-1.00	1.90	2.4	4.80	m2		
										Group CH	342.00 m2	

[illegible]

DA201	Ground floor	ACC CH -4.80.0.1	7010054.26	10810.17	20017E	1.00	10.81	0.3	3.18	m2	Vertical	233.00	m2
DA201	Ground floor	ACC CH -4.80.0.1	7007741.88	10844.07	20017F	1.00	10.84	0.3	3.19	m2			
DA201	Ground floor	ACC CH -4.80.0.1	7007741.88	10844.07	200180	1.00	10.84	0.3	3.19	m2			
DA201	Ground floor	ACC CH -4.80.0.1	7010054.26	10810.17	200181	1.00	10.81	0.3	3.18	m2			
DA201	Ground floor	ACC CH -4.80.0.1	6814271.97	10303.43	2001C3	1.00	10.30	0.3	3.08	m2			
DA201	Ground floor	ACC CH -4.80.0.1	6201864.83	10031.9	2001C4	1.00	10.03	0.3	3.01	m2			
DA201	Ground floor	ACC CH -4.80.0.1	4991034.82	8953.05	200210	1.00	8.98	0.3	2.89	m2			
DA201	Ground floor	ACC CH -4.80.0.1	4991034.21	8953.05	200211	1.00	8.98	0.3	2.89	m2			
DA201	Ground floor	ACC CH -4.80.0.1,DED DOOR -2.40,ASSUME	0	898.31	2002C7	-1.00	0.90	0.3	-0.27	m2			
DA201	Ground floor	ACC CH -4.80.0.1,DED DOOR -2.40,ASSUME	0	898.31	2002C8	-1.00	0.90	0.3	-0.27	m2			
DA201	Ground floor	ACC CH -4.80.0.1,DED DOOR -2.40,ASSUME	0	1000	2002CA	-1.00	1.00	0.3	-0.30	m2			
DA201	Ground floor	ACC CH -4.80.0.1,DED DOOR -2.40,ASSUME	0	1000	2002C8	-1.00	1.00	0.3	-0.30	m2			
DA201	Ground floor	ACC CH -4.80.0.1,DED DOOR -2.40,ASSUME	0	1000	2002CC	-1.00	1.00	0.3	-0.30	m2			
DA201	Ground floor	ACC CH -4.80.0.1,DED DOOR -2.40,ASSUME	0	1000	2002CD	-1.00	1.00	0.3	-0.30	m2			
DA201	Ground floor	ACC CH -4.80.0.1,DED DOOR -2.40,ASSUME	0	1016.59	2002CE	-1.00	1.02	0.3	-0.31	m2			
DA201	Ground floor	ACC CH -4.80.0.1,DED DOOR -2.40,ASSUME	0	1000	2002CF	-1.00	1.00	0.3	-0.30	m2			
DA201	Ground floor	ACC CH -5.0.0.1	8891410.13	11592.2	2000D9	1.00	11.59	0.3	3.58	m2			
DA201	Ground floor	ACC CH -5.0.0.1,DED DOOR -2.40,ASSUME	0	1016.59	2002CE	-1.00	1.02	0.3	-0.31	m2			
DA201	Ground floor	FEMALE AMENITIES -4.80.0.1	2095051.11	10166.03	2001A5	1.00	10.17	0.3	3.40	m2			
DA201	Ground floor	MALE AMENITIES -4.80.0.1	20756420.95	18220.34	2001A9	1.00	18.22	0.3	5.47	m2			
DA201	Ground floor	FEMALE CHANGE -4.80.0.1	3148469.98	20102.54	2004A4	1.00	20.15	0.3	6.05	m2			
DA201	Ground floor	FEMALE CHANGE -4.80.0.1	3028833.96	17023.9	2004A7	1.00	17.03	0.3	5.11	m2			
DA201	Ground floor	FEMALE CHANGE -4.80.0.1	1488330.86	16169.48	2004A8	1.00	16.17	0.3	4.85	m2			
DA201	Ground floor	FEMALE CHANGE -4.80.0.1,DED SLONG DOOR	0	1000	2004F9	-1.00	1.00	0.3	-0.45	m2			
DA201	Ground floor	MALE CHANGE -4.80.0.1	36474789.46	17094.83	2004F7	1.00	17.09	0.3	5.13	m2			
DA201	Ground floor	MALE CHANGE -4.80.0.1	30401032.86	23405.91	2004D0	1.00	23.46	0.3	7.04	m2			
DA201	Ground floor	MALE CHANGE -4.80.0.1	1114335.01	14711.86	2004D9	1.00	14.71	0.3	4.41	m2			
DA201	Ground floor	MALE CHANGE -4.80.0.1,DED SLONG DOOR	0	1020.42	2004F0	-1.00	1.03	0.3	-0.48	m2			
DA201	Ground floor	UNISEX CH -4.80.0.1	6168199.98	9988.1	2001C1	1.00	9.99	0.3	2.98	m2			
DA201	Ground floor	UNISEX CH -4.80.0.1	6074618.83	9898.31	2001C2	1.00	9.90	0.3	2.97	m2			
DA201	Ground floor	UNISEX CH -4.80.0.1	4278081.34	8408.78	20020E	1.00	8.41	0.3	2.52	m2			
DA201	Ground floor	UNISEX CH -4.80.0.1	4278080.9	8408.78	20020F	1.00	8.41	0.3	2.52	m2			
DA201	Ground floor	UNISEX CH -4.80.0.1,DED DOOR -2.40,ASSUR	0	796.61	200209	-1.00	0.80	0.3	-0.24	m2			
DA201	Ground floor	UNISEX CH -4.80.0.1,DED DOOR -2.40,ASSUR	0	796.61	20020A	-1.00	0.80	0.3	-0.24	m2			
DA201	Ground floor	UNISEX CH -4.80.0.1,DED DOOR -2.40,ASSUR	0	1000	20020B	-1.00	1.00	0.3	-0.30	m2			
DA201	Ground floor	UNISEX CH -4.80.0.1,DED DOOR -2.40,ASSUR	0	1016.59	2002C0	-1.00	1.02	0.3	-0.31	m2			
DA201	Ground floor	CRECHE WC -4.80.0.1	2989138.38	7016.95	2001D3	1.00	7.02	0.3	2.11	m2			
DA201	Ground floor	CRECHE WC -4.80.0.1,DED DOOR -2.40,ASS	0	898.31	20031A	-1.00	0.90	0.3	-0.27	m2			
DA201	Ground floor	GROUP CH 1 -5.0.0.1	2711864.36	6711.86	2002D8	1.00	6.71	0.3	2.01	m2			
DA201	Ground floor	GROUP CH 1 -5.0.0.1,DED DOOR -2.40,ASSU	0	947.48	2002A3	-1.00	0.95	0.3	-0.26	m2			
DA201	Ground floor	GROUP CH 2 -5.0.0.1	3227233.15	7423.73	2000D2	1.00	7.42	0.3	2.23	m2			
DA201	Ground floor	GROUP CH 2 -5.0.0.1,DED DOOR -2.40,ASSU	0	854.41	200296	-1.00	0.86	0.3	-0.26	m2			
DA201	Ground floor	CHANGE VILLAGE -4.80.0.1	181446.94	2610.17	200395	1.00	2.61	0.3	0.78	m2			
DA201	Ground floor	CHANGE VILLAGE -4.80.0.1	1945676.38	2388.31	200394	1.00	2.38	0.3	0.67	m2			
DA201	Ground floor	CHANGE VILLAGE -4.80.0.1	942257.83	3084.75	200302	1.00	3.08	0.3	0.93	m2			
DA201	Ground floor	CHANGE VILLAGE -4.80.0.1	2068372	2610.17	200396	1.00	2.61	0.3	0.78	m2			
DA201	Ground floor	CHANGE VILLAGE -4.80.0.1	2086739.36	2112.54	200397	1.00	2.15	0.3	0.65	m2			
DA201	Ground floor	CHANGE VILLAGE -4.80.0.1	0	4711.86	200525	1.00	4.71	0.3	1.41	m2			
DA201	Ground floor	CHANGE VILLAGE -4.80.0.1	0	4794.92	200526	1.00	4.79	0.3	1.26	m2			
DA201	Ground floor	CHANGE VILLAGE -4.80.0.1	23402745.83	13889.3	2001D3	1.00	13.90	0.3	4.17	m2			
DA201	Ground floor	CHANGE VILLAGE -4.80.0.1	0	4711.86	200529	1.00	4.71	0.3	22.82	m2			
DA201	Ground floor	CHANGE VILLAGE -4.80.0.1	0	4220.37	20052A	1.00	4.22	0.3	20.26	m2			
DA201	Ground floor	MALE CHANGE -4.80.0.1,WP	0	9813.56	20050C	1.00	9.81	4.5	26.16	m2			
DA201	Ground floor	FEMALE CHANGE -4.80.0.1,WP	0	9813.56	200507	1.00	1.81	4.5	8.16	m2			
DA201	Ground floor	FEMALE CHANGE -4.80.0.1,WP	8220626.74	10553.32	20050E	1.00	10.56	4.5	47.92	m2			
DA201	Ground floor	KITCHEN -4.80.0.1	29170281.36	24500.02	200186	1.00	24.50	0.3	7.35	m2			
DA201	Ground floor	KITCHEN -4.80.0.1	3999999.87	8000	200189	1.00	8.00	0.3	2.40	m2			
DA201	Ground floor	KITCHEN -4.80.0.1,DED DOOR -2.40,ASSUME	0	1000	2002D3	-1.00	1.00	0.3	-0.30	m2			
DA201	Ground floor	KITCHEN -4.80.0.1,DED DOOR -2.40,ASSUME	0	940.68	2002D4	-1.00	0.94	0.3	-0.28	m2			
DA201	Ground floor	KITCHEN -4.80.0.1,DED DOOR -2.40,ASSUME	0	948.15	2002D5	-1.00	0.95	0.3	-0.28	m2			

Quantities

Client Name: Tamworth Council
Project Name: Tamworth Regional Aquatic Centre

Drawing ref.	Level	Description	Area	Peri meter	Thickness	Times	Dim-1	Dim-2	Dim-3	Qty	Units	Sub-1	Sub-2	Remarks	BOQ item	Description	Qty	Unit	Remarks
Demolish Fencing, Landscaping																			
Landscape		# Existing northern embankment cut	111961865.5	59313.02	20F	1	111.9617			111.9617	m ²					Existing northern embankment cut	186	m ²	
Landscape		# Existing northern embankment cut	53612411.55	45506.04	2A0	1	53.61241			53.61241	m ²								
Landscape		# Existing northern embankment fill	121021591	88606.42	2F5	1	121.0216			121.0216	m ²					Existing northern embankment fill	121	m ²	
DA101		# Exposed concrete paving	1012936866	233184.83	20023C	1	1012.937			1012.937	m ²					Exposed concrete paving	954	m ²	
DA101		# Exposed concrete paving	140418293.9	77234.28	20028T	1	140.4183			140.4183	m ²								
DA101		# Exposed concrete paving_ded	146867098.3	96165.93	20028F	-1	146.9871			-146.9871	m ²								
DA101		# Exposed concrete paving_ded	41877074.38	25226.45	2002D2	-1	41.87707			-41.87707	m ²								
Landscape		# Feature specialised exposed aggregate pav	120776873.1	47289.69	2FO	1	120.7769			120.7769	m ²					Feature specialised exposed aggregate	121	m ²	
DA101		# Finish hardscape asphalt for vehicles	1714232131	418400.98	2000CB	1	1714.232			1714.232	m ²					Finish hardscape asphalt for vehicles	6182	m ²	
DA101		# Finish hardscape asphalt for vehicles	5645113574	437430.27	20000D	1	5645.114			5645.114	m ²								
DA101		# Finish hardscape asphalt for vehicles_ded	184785869.5	117446.81	2000FA	-1	184.7859			-184.7859	m ²								
DA101		# Finish hardscape asphalt for vehicles_ded	267587217.1	121446.81	2000FB	-1	267.5872			-267.5872	m ²								
DA101		# Finish hardscape asphalt for vehicles_ded	458426424.9	202297.88	200100	-1	458.4264			-458.4264	m ²								
DA101		# Finish hardscape asphalt for vehicles_ded	41488453.58	25830.46	200220	-1	41.48845			-41.48845	m ²								
DA101		# Finish hardscape asphalt for vehicles_ded	37484630.63	24680.85	200221	-1	37.48483			-37.48483	m ²								
DA101		# Finish hardscape asphalt for vehicles_ded	38011770.69	24851.06	200222	-1	38.01177			-38.01177	m ²								
DA101		# Finish hardscape asphalt for vehicles_ded	37484833.35	24680.85	200223	-1	37.48483			-37.48483	m ²								
DA101		# Finish hardscape asphalt for vehicles_ded	111717525.2	51914.89	20038B	-1	111.7175			-111.7175	m ²								
DA101		# Finish hardscape concrete for pedestrains	32202866.7	31404.26	200109	1	32.20281			32.20281	m ²					Finish hardscape concrete for pedestrains	1988	m ²	
DA101		# Finish hardscape concrete for pedestrains	89196016.76	93191.79	20010A	1	89.19602			89.19602	m ²								
DA101		# Finish hardscape concrete for pedestrains	175824360.4	181702.13	200118	1	175.8244			175.8244	m ²								
DA101		# Finish hardscape concrete for pedestrains	1162160217	834722.23	20011B	1	1162.16			1162.16	m ²								
DA101		# Finish hardscape concrete for pedestrains	172116702.2	132815.52	200150	1	172.1167			172.1167	m ²								
DA101		# Finish hardscape concrete for pedestrains	313687101.8	274441.7	200180	1	313.6871			313.6871	m ²								
DA101		# Finish hardscape concrete for pedestrains	43294525.05	37283.93	2002C7	1	43.29453			43.29453	m ²								
Ground cover shrubs & rocks																			
DA101		# Ground cover shrubs & rocks	94792261.15	61085.25	2000ED	1	94.79226			94.79226	m ²					Ground cover shrubs & rocks	946	m ²	
DA101		# Ground cover shrubs & rocks	41877074.38	25226.45	2000E5	1	41.87707			41.87707	m ²								
DA101		# Ground cover shrubs & rocks	172071448.7	17001.89	2000E9	1	17.207145			17.207145	m ²								
DA101		# Ground cover shrubs & rocks	36296183.32	25939.27	2000E7	1	36.26618			36.26618	m ²								
DA101		# Ground cover shrubs & rocks	40858331.62	38990.46	2000E8	1	40.85833			40.85833	m ²								
DA101		# Ground cover shrubs & rocks	126025873.6	108955.75	200104	1	126.0259			126.0259	m ²								
DA101		# Ground cover shrubs & rocks	26531186.27	30533.19	200105	1	26.53119			26.53119	m ²								
DA101		# Ground cover shrubs & rocks	103873237.5	86236.96	200106	1	103.8732			103.8732	m ²								
DA101		# Ground cover shrubs & rocks	16224535.16	16851.06	200107	1	16.22454			16.22454	m ²								
DA101		# Ground cover shrubs & rocks	47379810.86	38103.77	200108	1	47.37981			47.37981	m ²								
DA101		# Ground cover shrubs & rocks	30553197.28	34553.19	20010F	1	30.5532			30.5532	m ²								
DA101		# Ground cover shrubs & rocks	112427329.9	95744.68	200110	1	112.4273			112.4273	m ²								
DA101		# Ground cover shrubs & rocks	10893616.78	14893.62	200111	1	10.89362			10.89362	m ²								
DA101		# Ground cover shrubs & rocks	12284291.38	15404.26	200112	1	12.28429			12.28429	m ²								
DA101		# Ground cover shrubs & rocks	88166582.62	72765.96	200113	1	88.16658			88.16658	m ²								
DA101		# Ground cover shrubs & rocks	12284291.38	15404.26	200114	1	12.28429			12.28429	m ²								
DA101		# Ground cover shrubs & rocks	164505315.17	16936.17	200115	1	16.45632			16.45632	m ²								
DA101		# Ground cover shrubs & rocks	10893616.78	14893.62	20015C	1	10.89362			10.89362	m ²								
DA101		# Ground cover shrubs & rocks	10914397.82	14845.17	2001A8	1	10.9144			10.9144	m ²								
DA101		# Ground cover shrubs & rocks	26275665.38	29797.12	2001A9	1	26.27567			26.27567	m ²								
DA101		# Ground cover shrubs & rocks	12188318.85	15319.15	2001AE	1	12.18832			12.18832	m ²								
DA101		# Ground cover shrubs & rocks	11958349.64	15234.04	2001AF	1	11.95835			11.95835	m ²								
DA101		# Ground cover shrubs & rocks	25542249.45	29689.14	20021D	1	25.54225			25.54225	m ²								
DA101		# Ground cover shrubs & rocks	30055898.4	103840.16	200224	1	300.5586			300.5586	m ²								
DA101		# Ground cover shrubs & rocks	37484630.63	24680.85	200225	1	37.48463			37.48463	m ²								
DA101		# Ground cover shrubs & rocks	269975674.5	96818.5	200228	1	269.9757			269.9757	m ²								
DA101		# Ground cover shrubs & rocks	362498780.9	163448.94	20022B	1	362.4998			362.4998	m ²								
DA101		# Ground cover shrubs & rocks	37484633.35	24680.85	200230	1	37.48463			37.48463	m ²								
DA101		# Ground cover shrubs & rocks	37895880.69	24808.68	200231	1	37.89588			37.89588	m ²								
DA101		# Ground cover shrubs & rocks	164216059.2	78365.15	640	1	164.2161			164.2161	m ²								
DA101		# Ground cover shrubs & rocks	68322222.62	38752.74	641	1	68.32222			68.32222	m ²								
DA101		# Ground cover shrubs & rocks	41488453.58	25830.46	200236	1	41.48845			41.48845	m ²								
DA101		# Ground cover shrubs & rocks	104856088	153417.9	200279	1	1048.856			1048.856	m ²								
DA101		# Ground cover shrubs & rocks	635268093.2	135541.7	20028F	1	635.2581			635.2581	m ²								
DA101		# Ground cover shrubs & rocks	12692622.7	70468.09	20028A	1	126.9262			126.9262	m ²								
DA101		# Ground cover shrubs & rocks	24412858.29	19829.79	200289	1	24.41286			24.41286	m ²								
DA101		# Ground cover shrubs & rocks	242531463.1	101191.49	20028A	1	242.5315			242.5315	m ²								
Landscape		# Ground cover shrubs & rocks	554406990.6	170296.32	2AE	1	554.4069			554.4069	m ²								
Landscape		# Ground cover shrubs & rocks	96369586.6	152206.94	2BE	1	963.6966			963.6966	m ²								
Planting in parking area																			
Landscape		# Planting in parking area	214305356.8	121183.07	2BT	1	214.3054			214.3054	m ²					Planting in parking area	383	m ²	
Landscape		# Planting in parking area	121718384.4	107861.24	2BB	1	121.7184			121.7184	m ²								
Landscape		# Planting in parking area	47295800.34	91617.79	2B9	1	47.2958			47.2958	m ²								
Landscape		# Potential pond area for drainage	739223450.4	251371.54	2EE	1	739.2235			739.2235	m ²					Potential pond area for drainage	739	m ²	
Timber bridge																			
DA101																			

[illegible]

[illegible]

	# Shade structure size_4000mm x4000m	1767145.87	4712.39	SF8	1	1	1	No		
	# Shade structure size_4000mm x4000m	1767145.87	4712.39	SF9	1	1	1	No		
	# Outer circular table with 4 chairs	1767145.87	4712.39	610	1	1	1	No		
	# Outer circular table with 4 chairs	1767145.87	4712.39	611	1	1	1	No		
	# Outer circular table with 4 chairs	1767145.87	4712.39	612	1	1	1	No		
	# Outer circular table with 4 chairs	1767145.87	4712.39	613	1	1	1	No		
	# Outer circular table with 4 chairs	1767145.87	4712.39	614	1	1	1	No		
	# Outer circular table with 4 chairs	1767145.87	4712.39	615	1	1	1	No		
	# Outer circular table with 4 chairs	1767145.87	4712.39	616	1	1	1	No		
	# Outer circular table with 4 chairs	1767145.87	4712.39	617	1	1	1	No		
	# Outer circular table with 4 chairs	1767145.87	4712.39	621	1	1	1	No		
	# Outer circular table with 4 chairs	1767145.87	4712.39	622	1	1	1	No		
	# Outer circular table with 4 chairs	1767145.87	4712.39	623	1	1	1	No		
	# Outer circular table with 4 chairs	1767145.87	4712.39	624	1	1	1	No		
	# Outer circular table with 4 chairs	1767145.87	4712.39	625	1	1	1	No		
	# Outer circular table with 4 chairs	1767145.87	4712.39	626	1	1	1	No		
	# Outer circular table with 4 chairs	1767145.87	4712.39	627	1	1	1	No		
	# Existing trees retained dia 6200mm	1767145.87	4712.39	310	1	1	1	No		
	# Existing trees retained dia 6200mm	1767145.87	4712.39	311	1	1	1	No		
	# Existing trees retained dia 6200mm	1767145.87	4712.39	312	1	1	1	No		
	# Existing trees retained dia 6200mm	1767145.87	4712.39	313	1	1	1	No		
	# Existing trees retained dia 6200mm	1767145.87	4712.39	314	1	1	1	No		
	# Existing trees retained dia 6200mm	1767145.87	4712.39	315	1	1	1	No		
	# Existing trees retained dia 6200mm	1767145.87	4712.39	316	1	1	1	No		
	# Trees dia_4000mm	1767145.87	4712.39	48B	1	1	1	No		
	# Trees dia_4000mm	1767145.87	4712.39	472	1	1	1	No		
	# Trees dia_4000mm	1767145.87	4712.39	473	1	1	1	No		
	# Trees dia_4000mm	1767145.87	4712.39	474	1	1	1	No		
	# Trees dia_4000mm	1767145.87	4712.39	476	1	1	1	No		
	# Trees dia_4000mm	1767145.87	4712.39	477	1	1	1	No		
	# Trees dia_4000mm	1767145.87	4712.39	478	1	1	1	No		
	# Trees dia_4000mm	1767145.87	4712.39	479	1	1	1	No		
	# Trees dia_4000mm	1767145.87	4712.39	47A	1	1	1	No		
	# Trees dia_4000mm	1767145.87	4712.39	47B	1	1	1	No		
	# Trees dia_4000mm	1767145.87	4712.39	47C	1	1	1	No		
	# Trees dia_4000mm	1767145.87	4712.39	47D	1	1	1	No		
	# Trees dia_4000mm	1767145.87	4712.39	47E	1	1	1	No		
	# Trees dia_4000mm	1767145.87	4712.39	47F	1	1	1	No		
	# Trees dia_4000mm	1767145.87	4712.39	48D	1	1	1	No		
	# Trees dia_4000mm	1767145.87	4712.39	481	1	1	1	No		
	# Trees dia_4000mm	1767145.87	4712.39	482	1	1	1	No		
	# Trees dia_4000mm	1767145.87	4712.39	483	1	1	1	No		
	# Trees dia_4000mm	1767145.87	4712.39	484	1	1	1	No		
	# Trees dia_4000mm	1767145.87	4712.39	485	1	1	1	No		
	# Trees dia_4000mm	1767145.87	4712.39	486	1	1	1	No		
	# Trees dia_4000mm	1767145.87	4712.39	487	1	1	1	No		
	# Trees dia_4000mm	1767145.87	4712.39	488	1	1	1	No		
	# Trees dia_4000mm	1767145.87	4712.39	489	1	1	1	No		
	# Trees dia_4000mm	1767145.87	4712.39	48A	1	1	1	No		
	# Trees dia_4000mm	1767145.87	4712.39	4C3	1	1	1	No		
	# Trees dia_4000mm	1767145.87	4712.39	4CA	1	1	1	No		
	# Trees dia_4000mm	1767145.87	4712.39	4CB	1	1	1	No		
	# Trees dia_4000mm	1767145.87	4712.39	4CC	1	1	1	No		
	# Trees dia_4000mm	1767145.87	4712.39	4CD	1	1	1	No		
	# Trees dia_4000mm	1767145.87	4712.39	4CE	1	1	1	No		
	# Trees dia_5200mm	1767145.87	4712.39	46B	1	1	1	No		
	# Trees dia_5200mm	1767145.87	4712.39	46C	1	1	1	No		
	# Trees dia_5200mm	1767145.87	4712.39	46D	1	1	1	No		
	# Trees dia_5200mm	1767145.87	4712.39	46E	1	1	1	No		
	# Trees dia_5200mm	1767145.87	4712.39	46F	1	1	1	No		
	# Trees dia_5200mm	1767145.87	4712.39	46A	1	1	1	No		
	# Trees dia_5200mm	1767145.87	4712.39	4AB	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	386	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	387	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	388	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	389	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	38A	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	38B	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	38C	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	38D	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	38E	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	38F	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	39D	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	391	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	392	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	393	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	3A0	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	3A1	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	3A2	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	3A3	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	3A4	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	3A5	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	3A6	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	3A7	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	3A8	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	3A9	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	3AA	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	3AB	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	3AC	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	3AD	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	377	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	378	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	379	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	37A	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	37B	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	37C	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	37D	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	37E	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	37F	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	380	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	381	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	382	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	383	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	384	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	385	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	394	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	395	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	396	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	397	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	398	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	399	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	39A	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	39B	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	39C	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	39D	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	39E	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	39F	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	3AE	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	3AF	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	3B0	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	3B1	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	3B2	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	3B3	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	3B4	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	3B5	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	3B6	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	3B7	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	3B8	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	3B9	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	3BA	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	3BB	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	3BC	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	3BD	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	3BE	1	1	1	No		
	# Trees dia_5500mm	1767145.87	4712.39	3BF	1	1	1	No		
	# Trees dia_6600mm	1767145.87	4712.39	3CA	1	1	1	No		
	# Trees dia_6600mm	1767145.87	4712.39	3CB	1	1	1	No		
	# Trees dia_6600mm	1767145.87	4712.39	3CC	1	1	1	No		
	# Trees dia_6600mm	1767145.87	4712.39	3CD	1	1	1	No		
	# Trees dia_6600mm	1767145.87	4712.39	3CE	1	1	1	No		
	# Trees dia_6600mm	1767145.87	4712.39	3CF	1	1	1	No		
	# Trees dia_6600mm	1767145.87	4712.39	3DD	1	1	1	No		
	# Trees dia_6600mm	1767145.87	4712.3							

[illegible]

Quantities

Client Name: Tarnworth Council
Project Name: Tarnworth Regional Aquatic Centre

CB Currie & Brown

Report Date: 8/07/2024

Dwg Ref.	Level	Revision	Date	Building	Description	Area	Perimeter	Handle	Times	Dim 1	Dim 2	Dim 3	Qty	Unit	Sub-01	Sub-02	Remarks	Ref.	Description	Unit	Qty	Remarks
					CHANGE VILLAGE														CHANGE VILLAGE			
																			Cleaners Sink including tapware	1.00	nr	
																			Showers with mixers	10.00	nr	
					FEMALE AMENITIES														FEMALE AMENITIES			
																			WC - water closet	4.00	nr	
																			WC - water closet for handicap toilet	1.00	nr	
																			WB - wash basin	3.00	nr	
																			Grab bar for handicap toilet	2.00	nr	
																			Floor waste outlet	2.00	nr	
					MALE AMENITIES														MALE AMENITIES			
																			WC - water closet	4.00	nr	
																			WC - water closet for handicap toilet	1.00	nr	
																			WB - wash basin	3.00	nr	
																			Grab bar for handicap toilet	2.00	nr	
																			Floor waste outlet	2.00	nr	
					ACC CH AMENITIES														ACC CH AMENITIES			
																			WB - wash basin with mixers	2.00	nr	
																			Soap dispenser	4.00	nr	
																			WC - water closet with cistern	2.00	nr	
																			Toilet roll holder to ACC Toilet	2.00	nr	
																			Pair of Accessible grab Rails	2.00	nr	
																			Shower	2.00	nr	
																			Pair of Shower grab rails to ACC Shower	2.00	nr	
																			Shower Rail to ACC Shower	2.00	nr	
																			Coat hook	4.00	nr	
																			Floor waste outlet	2.00	nr	
					UNISEX CH AMENITIES														UNISEX CH AMENITIES			
																			WB - wash basin with mixers	2.00	nr	
																			Soap dispenser	4.00	nr	
																			WC - water closet with cistern	2.00	nr	
																			Toilet roll holder to standard toilet	2.00	nr	
																			Shower	2.00	nr	
																			Shower Rail	2.00	nr	
																			Coat hook	4.00	nr	
																			Floor waste outlet	2.00	nr	
					FEMALE CHANGE														FEMALE CHANGE			
																			WC - water closet	6.00	nr	
																			WC - water closet for handicap toilet	1.00	nr	
																			Toilet roll holder	7.00	nr	
																			WB - wash basin	5.00	nr	
																			Soap dispenser	14.00	nr	
																			Grab bar for handicap toilet	2.00	nr	
																			Showers set with mixers	9.00	nr	
																			Shower grab rails	9.00	nr	
																			Hand Dryers [H0]	2.00	nr	
																			Floor waste outlet	3.00	nr	
					MALE CHANGE														MALE CHANGE			
																			WC - water closet	5.00	nr	
																			WC - water closet for handicap toilet	1.00	nr	
																			Toilet roll holder	6.00	nr	
																			WB - wash basin	5.00	nr	
																			Soap dispenser	11.00	nr	
																			Grab bar for handicap toilet	2.00	nr	
																			Urinals	6.00	nr	
																			Showers set with mixers	6.00	nr	
																			Shower grab rails	6.00	nr	
																			Hand Dryers [H0]	2.00	nr	
																			Floor waste outlet	3.00	nr	
					ACC CH														ACC CH			
																			WB - wash basin with mixers	7.00	nr	
																			Soap dispenser	14.00	nr	
																			WC - water closet with cistern	7.00	nr	
																			Toilet roll holder to ACC Toilet	7.00	nr	
																			Pair of Accessible grab Rails	7.00	nr	
																			Pair of Shower grab rails to ACC Shower	7.00	nr	
																			Shower Rail to ACC Shower	7.00	nr	
																			Coat hook	7.00	nr	
																			Floor waste outlet	7.00	nr	
					UNISEX CH														UNISEX CH			
																			WB - wash basin with mixers	2.00	nr	
																			Soap dispenser	4.00	nr	
																			WC - water closet with cistern	2.00	nr	
																			Toilet roll holder to standard toilet	2.00	nr	
																			Shower	2.00	nr	
																			Shower Rail	2.00	nr	
																			Shower grab rails	2.00	nr	
																			Hand Dryers [H0]	2.00	nr	
																			Floor waste outlet	2.00	nr	
					KITCHEN														KITCHEN			
																			Kitchen sink	2.00	nr	
																			Paper towel dispenser to kitchens	1.00	nr	
																			Floor waste outlet	1.00	nr	
																			WB - wash basin with mixers	1.00	nr	
																			Soap dispenser	1.00	nr	
					CRECHE														CRECHE			
																			WB - wash basin with mixers	1.00	nr	
																			Soap dispenser	1.00	nr	
																			WC - water closet with cistern	1.00	nr	

																			Baby change table	1.00	nr
																			GROUP CH 1 & 2		
																			WB - wash basin with mirrors	2.00	nr
																			Snap dispenser	2.00	nr
																			WC - water closet with cistern	2.00	nr
																			Toilet roll holder	2.00	nr
																			Hand Dryers [HD]	2.00	nr

Weather Analysis

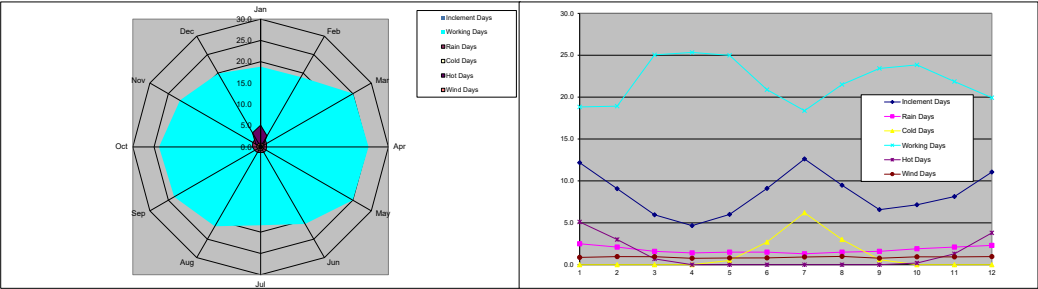


Project Name
Project Number

Tamworth Regional Aquatic Centre
507035

Report Date: 22/07/2024

TAMWORTH adopted as similar	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals	Comments
Month #	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0		
Days in Month	31.0	28.0	31.0	30.0	31.0	30.0	31.0	31.0	30.0	31.0	30.0	31.0	365.0	
Days of Rain (>1 mm of rain per day after 8am)	6.2	5.1	4.3	3.9	4.7	5.6	5.5	5.5	5.2	6.0	5.9	6.3	64.2	Adjustment in productivities required due to rain.
Days of Rain (>10 mm of rain per day)	2.5	2.1	1.6	1.4	1.5	1.5	1.3	1.5	1.6	1.9	2.1	2.3	21.3	
Days of Cold (<0 Deg C per day after 8am)	0.0	0.0	0.0	0.0	0.5	2.7	6.2	3.0	0.6	0.0	0.0	0.0	13.0	Adjustment in productivities required due to cold.
Days of Heat (> 35 Deg C per day after 8am)	5.1	3.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.3	3.8	14.1	Adjustment in productivities required due to heat.
Days of Wind (> 0 km/hr per day after 8am)	17.4	17.4	18.3	15.9	16.1	15.9	17.7	18.0	18.5	18.5	18.3	18.9	208.9	
Average Wind Speed	6.9	7.8	6.9	5.6	5.0	5.3	5.9	6.6	7.4	8.7	8.5	8.4		
Days of Wind (> 20 km/hr per day after 8am)	0.9	1.0	1.0	0.8	0.8	0.9	0.9	1.0	0.8	0.9	0.9	1.0	10.7	Adjustment in productivities required due to wind
Likely Incident Days (Summation of Rain + Cold + Heat)	12.2	9.1	6.0	4.7	6.0	9.1	12.6	9.5	6.6	7.1	8.1	11.1	102.0	
Inclement + RDO	12.2	9.1	6.0	4.7	6.0	9.1	12.6	9.5	6.6	7.1	8.1	11.1	102.0	Inclement only as RDO etc excluded from above.
100% Productivity Days	19	19	25	25	25	21	18	22	23	24	22	20	263	Days at 100% productivity.
% of days @ 100% productivity	61	68	81	84	81	70	58	68	78	77	73	64	72	% of days @ 100% productivity
% of days @ < 100% productivity	39	32	19	16	19	30	41	31	22	23	27	36	28	% of days @ < 100% productivity



Estimate Notes

Client Name: Tamworth Council
Project Name: Tamworth Regional Aquatic Centre

Report Date: 22/07/2024

Description

Limitation

This document has been prepared on behalf of, and for the exclusive use of Currie & Brown's client, and is subject to, and issued in accordance with, the provisions of the contract between Currie & Brown and the client. Currie & Brown accepts no liability or responsibility whatsoever for, or in respect of, any use of, or reliance upon, this document by any third party.

Limitation in pricing

For the avoidance of doubt, any costs noted are intended to be a guide only and subject to change due to changing legislation, design development, prevailing market conditions and the limitations contained herein this initial cost estimate

Market Pricing

Currie & Brown suggested costs provided has been based on current market pricing (Q1 2025FY) and detailed benchmark data sets (2009 – to the date of this report) with the appropriate rates adjusted to reflect construction constraints and other additional costs relating to the constructability and design of the works.

Benchmarking Database

To provide this cost review Currie & Brown's reviewed costs in conjunction with the Currie & Brown Benchmark Estimating Database ("Currie & Brown Benchmark Database").

Our Currie & Brown Benchmark Database includes:

- Commercial-in-Confidence people, plant, equipment and materials rates (directly from third party companies on other previous and current projects); and
- Other recent or in-progress projects.

It being understood that the benchmarking rates are a Commercial-in-Confidence amalgamation of:

- first principles estimating for owners/ clients to determine capital and operational costs;
- first principles estimating for tendering purposes for contractors;
- market quotes from multiple contractors' programs of works;
- actual costs and productivities (contractor / subcontractor);
- actual costs and productivities (client / owner side); and
- actual costs and productivities (suppliers / contractors / others).

For the avoidance of doubt, the most pertinent Benchmark Data available for this project are developments nearby in similar municipal environments.

Risk / Opportunity

The risk and opportunity workshop was not undertaken by the project team.

Escalation

The escalation is proposed to be determined based on the proposed delivery schedule adopting the ABS indices in combination with known market conditions. The specific parameters are subject to further discussion during the delivery of these works and will be impacted by funding models and the specific makeup of the project costs.

No specific allowance for Covid-19 has been made in these escalation allowances.

The costs presented are in present worth.

Basis of Estimate documentation

UAJ Projects NSW/507035 - Tamworth Aquatic/7.0 Drawings and Spec/7.8 Drawings for information/20240611- Prelim Concept/Aquatic"
UAJ Projects NSW/507035 - Tamworth Aquatic/7.0 Drawings and Spec/7.8 Drawings for information/20240611- Prelim Concept/Aquatic"
UAJ Projects NSW/507035 - Tamworth Aquatic/7.0 Drawings and Spec/7.8 Drawings for information/20240611- Prelim Concept/Architect"
UAJ Projects NSW/507035 - Tamworth Aquatic/7.0 Drawings and Spec/7.8 Drawings for information/20240611- Prelim Concept/BCA"
UAJ Projects NSW/507035 - Tamworth Aquatic/7.0 Drawings and Spec/7.8 Drawings for information/20240611- Prelim Concept/Civil"
UAJ Projects NSW/507035 - Tamworth Aquatic/7.0 Drawings and Spec/7.8 Drawings for information/20240611- Prelim Concept/DDA"
UAJ Projects NSW/507035 - Tamworth Aquatic/7.0 Drawings and Spec/7.8 Drawings for information/20240611- Prelim Concept/Landscape"
UAJ Projects NSW/507035 - Tamworth Aquatic/7.0 Drawings and Spec/7.8 Drawings for information/20240611- Prelim Concept/MEP"
UAJ Projects NSW/507035 - Tamworth Aquatic/7.0 Drawings and Spec/7.8 Drawings for information/20240611- Prelim Concept/Structural"
UAJ Projects NSW/507035 - Tamworth Aquatic/7.0 Drawings and Spec/7.8 Drawings for information/20240611- Prelim Concept/Surveyor"
UAJ Projects NSW/507035 - Tamworth Aquatic/7.0 Drawings and Spec/7.8 Drawings for information/20240611- Prelim Concept/Waste Management"
UAJ Projects NSW/507035 - Tamworth Aquatic/7.0 Drawings and Spec/7.8 Drawings for information/20240611- Prelim Concept/Architect.zip"
UAJ Projects NSW/507035 - Tamworth Aquatic/7.0 Drawings and Spec/7.8 Drawings for information/20240611- Prelim Concept/Landscape.zip"

Allowances

Items noted as allowances or provisional have been assumed based on previous projects and are characteristic of the anticipated scope for this project while not necessarily being indicated on the plans. Further design and investigation is needed prior to the finalisation of these items.

Inclusions limited to items stated only

Measurement of Works

The basis of the cost for the works are an amalgamation the performance brief issued, similar projects, and existing site information provided by the client

The quantities were measured by CostX Construction Software, in combination with, site investigations, and design information provided

The rates are build up to supply, deliver to site and install at site unless specified.

Provisional budget allowances have been included for items that may be subject to tender contract requirements or methodology provided by the approved contractor. These allowances are based on previous cost requirements from similar relevant projects and benchmarking.

The estimate details are based on current market rates with appropriate escalation factors added to cover the escalation over construction period.

This cost plan is based on Tier 2 or Tier 3 subcontractor delivery.

3rd Party Connection rates are provisional Only and will require contractor input following agreement with 3rd party provider (e.g. ASP3)

Contractors Preliminaries / Margin

The preliminaries and margin have been based on a Tier 2 or 3 contractor delivery of the works with them subcontracting the specialist works.

Subcontractor preliminaries and margins are within the Summary TAB for the specific packages.

The Tier 2 or 3 contractor preliminaries and margins are within the contractors costs as indicated on the project Summary TAB

Design fee

Main Contractor's design development costs are included assuming a Design and Construction delivery model

Authorities Fees

The budget allowance has been included in the calculations based on estimates only. No advice has been sought from authorities.

GST

Rates exclude GST

Major Exclusions

Land and legal costs - It is assumed that no legal cost is required and excluded any land acquisition costs with regards to the delivery contractor.

Financing costs - It is assumed that no cost is required in relation to financing.

Future works - excludes any works related to future system upgrades

Risks - Potential cost risks on the project include;

Undesirable outcomes from geotechnical conditions identified by contractor (E.g. Contaminated Land)

- Risk of excessive disposal costs, assume low volumes of contamination disposal (not entire volume)

Sizeable commercial claims from contractor, variation claims, etc.

Redesign & Rework required due to flooding or heavy rains or bushfire

Risk of excessive disposal costs, assumed low volumes of contamination disposal (not entire volume)

Latent Conditions uncovered during excavations - Risk

Contractor failure causes project delay

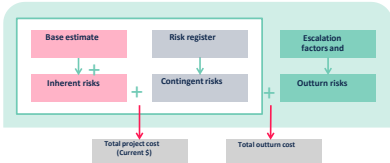
All above risk items are Subject to Risk Workshop outcomes

Client Costs

The cost of Client's costs are excluded in the project development phase. The Client's costs have been included in the delivery phase for the project management and supervision of the delivery of the project.

Make Up of the Estimate

The estimate includes base estimate, inherent risks, contingent risks, escalation to give a total project cost (excluding client costs)



General Notes

The sole purpose of the estimate is to reasonably determine a project value that is consistent with current market rates. The passage of time, the manifestation of latent conditions or impacts of future events may require further examination of the project and subsequent data analysis, and re-evaluation of the data, findings, observations, and conclusions expressed in this Estimate. Currie & Brown has prepared this Estimate in accordance with the usual care and thoroughness of the consulting profession, for the sole purpose described above and by reference to applicable standards, guidelines, procedures, and practices at the date of issue of this Estimate. For the reasons outlined above, however, no other warranty or guarantee, whether expressed or implied, is made as to the data, observations and findings expressed in this Estimate, to the extent permitted by law. This Estimate should be read in full, and no excerpts are to be taken as representative of the findings. No responsibility is accepted by Currie & Brown for use of any part of this Estimate in any other context.

Risk

Client Name: Tamworth Council
Project Name: Tamworth Regional Aquatic Centre

Report Date: 22/07/2024

1. Best Practice Estimating (Evans and Peck, McMillan, Flyvbjerg, and others)

Phase	Type of Estimate	P50	P90
Project Identification	Strategic / Strategic Business Case	10% to 20%	40% to 60%
Project Scoping	Concept / Business Case	10% to 15%	25% to 40%
Project Development	Pre-Tender	3% to 7%	5% to 15%
Project Delivery	Construction	Actual cost	Actual cost

Where this project should be based on Best Estimating Practice

2. Transport for NSW (TfNSW) Estimating Guidelines (as defined by TfNSW - TfNSW Project Estimating Manual (ILC-EST-M-001))

Estimate type	Desired contingency levels (as a percentage of the base estimate)	
	P90 range	P50 range
Strategic	35% - 70%	15%-40% less than P90
Concept	25% - 40%	10%-25% less than P90
Detailed	15% - 25%	5%-15% less than P90
Tender	No contingency to be allocated	No contingency to be allocated
Post tender	10% - 20%	2%-10% less than P90

	P90		P50	
	MIN (%)	MAX (%)	MIN (%)	MAX (%)
Strategic	35	70	30	42
Concept	25	40	23	30
Detailed	15	25	14	21
Tender	0	0	0	0
Post Tender	10	20	10	18

Where this project should be based on TfNSW guidelines (2022)

Table 11 – Desired contingency levels for major projects (Tier 1 to Tier 4)

Estimate type	P90 range	P50 range
Strategic	35 to 70%	60 to 85% of P90
Concept	25 to 40%	75 to 90% of P90
Detailed	15 to 25%	85 to 95% of P90
Tender	No contingency to be allocated	No contingency to be allocated
Post-tender	10 to 20%	90 to 98% of P90

Note: If the strategic estimate P90 is 100K, then desired P50 ranges from 60 to 85K.

Table 12 – Desired contingency levels for minor projects (Tier 5 and Tier 6)

Estimate type	P90 range
All	20 to 50%
Tender	No contingency to be allocated

	P90		P50	
	MIN	MAX	MIN	MAX
Strategic	35	70	21	60
Concept	25	40	19	36
Detailed	15	25	13	24
Tender	0	0	0	0
Post-Tender	10	20	9	20

Where this project should be based on TfNSW guidelines (2023)

Table 12 – Desired contingency levels for minor projects (Tier 5 and Tier 6)

Estimate type	P90 range
All	20 to 50%
Tender	No contingency to be allocated

Where this project should be based on TfNSW guidelines (2023)

3. Department of Transport and Main Roads - Project Cost Estimating Manual (PCEM)

Base estimate stage	Level of project definition	Typical contingency ranges
Strategic estimate	1% to 15%	40% to 70%
Project proposal estimate	1% to 15%	40% to 70%
Options analysis estimate	N/A	N/A
Business case estimate (P90)	10% to 40%	30% to 40%
Development Phase Stage 1 Design estimate	30% to 65%	20% to 30%
Development Phase Stage 2 Design estimate	40% to 80%	10% to 20%

Where this project should be based on TMR guidelines

Market Sounding



Client Name: Tamworth Council
Project Name Tamworth Regional Aquatic Centre

Report Date: 22/07/2024

	Description	Current Market Quotes	Comments
1	Labour	Y	
2	Plant	Y	
3	Materials	Y	
4	All-In Rates for Specific Scopes - M&E / Instruments / Pool Equipment	Y	

WIP

Level of Accuracy

Client I Tamworth Council
Project Tamworth Regional Aquatic Centre

Best practice estimating involves an iterative process whereby the estimating and project teams refine the project costs gradually as they develop understanding of the project, its risks, and its opportunities.

This is illustrated diagrammatically below in Figure 1-1.

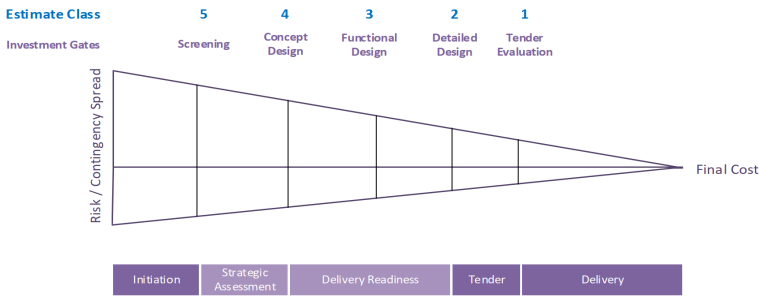


Figure 1-1 - Estimating Level of Accuracy Progression with Project Development

The table data is adapted from the AACE Cost Estimate Classification System (S6R-08:Cost Estimate Classification System –As Applied in Engineering, Procurement, and Construction for the building and construction Industries) with guides as the expected level of estimate accuracy at each stage / class. This provides a guide as to the expected order of accuracy for the estimate.

Table 1.1: Accuracy of Estimate per Class

Estimate class	Estimate Name	Purpose	Project definition level Level of Engineering Design	Estimate Methodology	EXPECTED ACCURACY RANGE
				Typical estimating method	Typical variation in low and high ranges at a 90% confidence interval
Class 5	Screening / Order of magnitude	Screening or feasibility	0% to 2%	Capacity orientated, judgement, guide all in costs from recent work, guidelines, recent rates, factored	Low: -20% to -50% High: -30% to +100%
Class 4	Concept Design	Concept study or feasibility	1% to 15%	Capacity orientated, judgement, guide all in costs from recent work, guidelines, recent rates, factored	L: -15% to -30% H: +20% to +50%
Class 3	Functional Design	Budget, authorization, or control	10% to 40%	Capacity orientated, judgement, guide all in costs from recent work, guidelines, recent rates, factored	L: -10% to -20% H: +10% to +30%
Class 2	Detailed Design	Control or bid/tender	30% to 70%	Detailed take-off with detailed unit costs	L: -5% to -15% H: +5% to +20%
Class 1	Tender Evaluation	Check estimate or bid/tender	50% to 100%	Detailed take-off with detailed unit costs	L: -3% to -10% H: +3% to +15%

Direct Cost vs Sell Cost

Client Name: Tamworth Council
Project Name: Tamworth Regional Aquatic Centre

Report Date: 22/07/2024

Direct Costs ("Direct Costs")

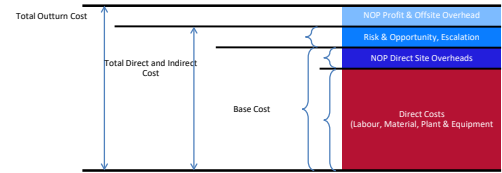
Direct Costs have been derived based on First Principles Estimating practice & characteristic pricing practice assuming a Sub-Contractor performing works under a Head Contractor OR the Head Contractor self-performing the works in design and construction arrangement unless noted otherwise. These costs are what it costs to do the works excluding attendance, profit, overhead, and other on-costs.

Amount ("Sell Cost")

Contractors Total have been derived as the Direct Cost plus Contractors Direct Site Overhead, Contractors Risk ,profit and Offsite Overheads as identified in Equation 1.

Equation1

Contractors Total(Sell Cost) = Direct Cost + Contractors Profit & Offsite Overheads



Client Costs ("Client Costs")

These have been excluded in development but allowed in delivery