



Concrete Seal
WATERPROOFING & REMEDIAL
EST 1996



Casino Towers
151 George St, Brisbane CBD
Pool & Spa Tiling Remediation

The Project

Pool & Spa Tiling Remediation

Site: Casino Towers - 151 George St, Brisbane CBD
Client: CTS 34087 - Casino Towers Body Corporate
Contract: QBCC Minor Works Superintended Administered

The building located at 151 George Street known as Casino Towers consists of 39 levels of residential lots, Car Park and a pool to level 7, managed by Oaks Hotels, overlooking the Treasury Casino and Brisbane River.

The Body Corporate CTS 34087 has contracted repair works to their Spa and Pool principally relating to the following works:

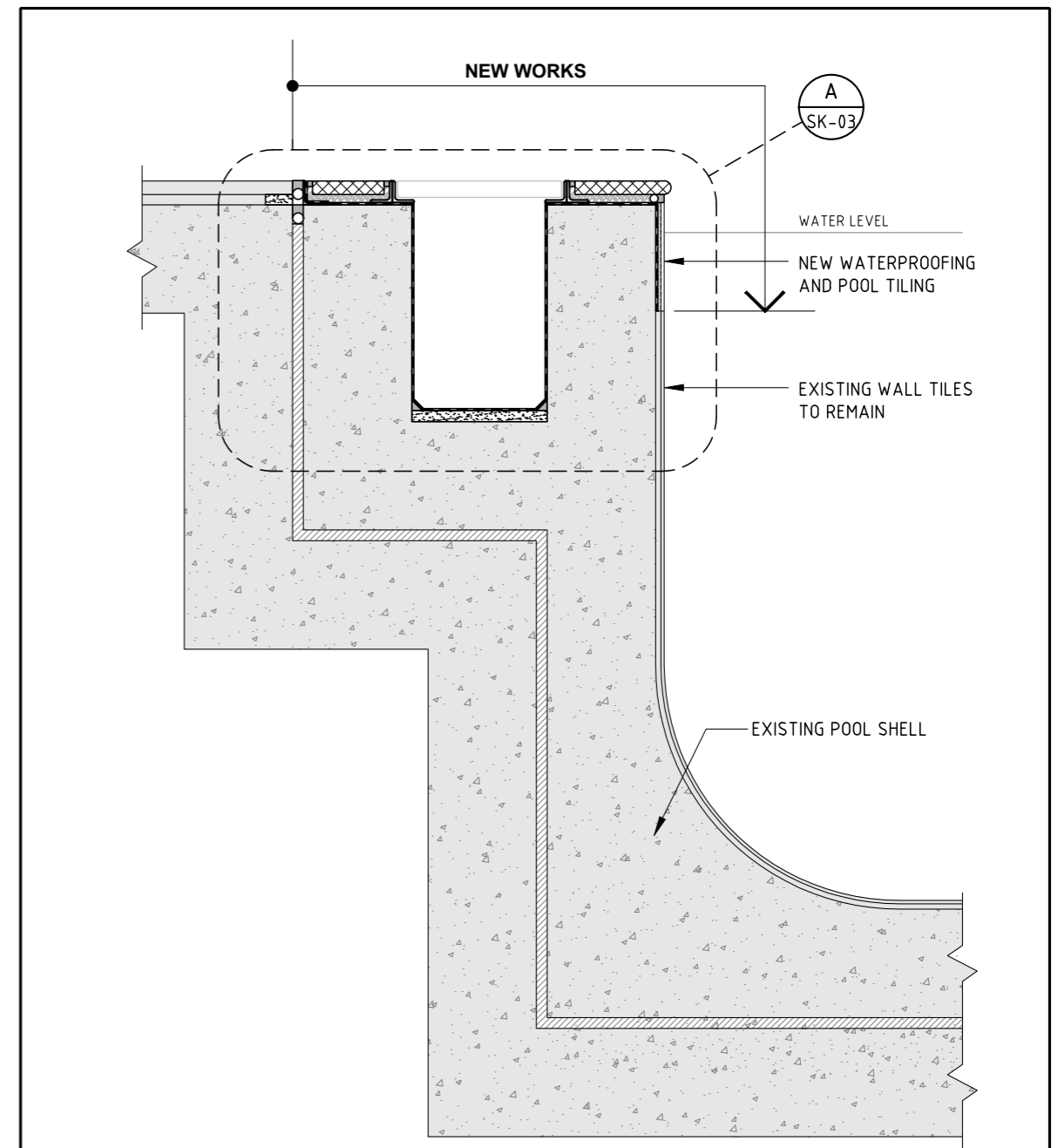
- **Spa Works**
Removal and reinstatement with new, of all coping pavers, spa tiles and membrane.
- **Pool Works**
Removal and reinstatement with new, of all coping pavers and remediation of the wet deck including installation of new membrane.
- **Balance Tank**
Waterproofing to internal block work shell.

Contract Term: 4 weeks
Start Date: Tuesday 20th December 2018
Finish Date: Thursday 13th December 2018
Completion Time: 3 weeks, 3 days including 4 variation work orders




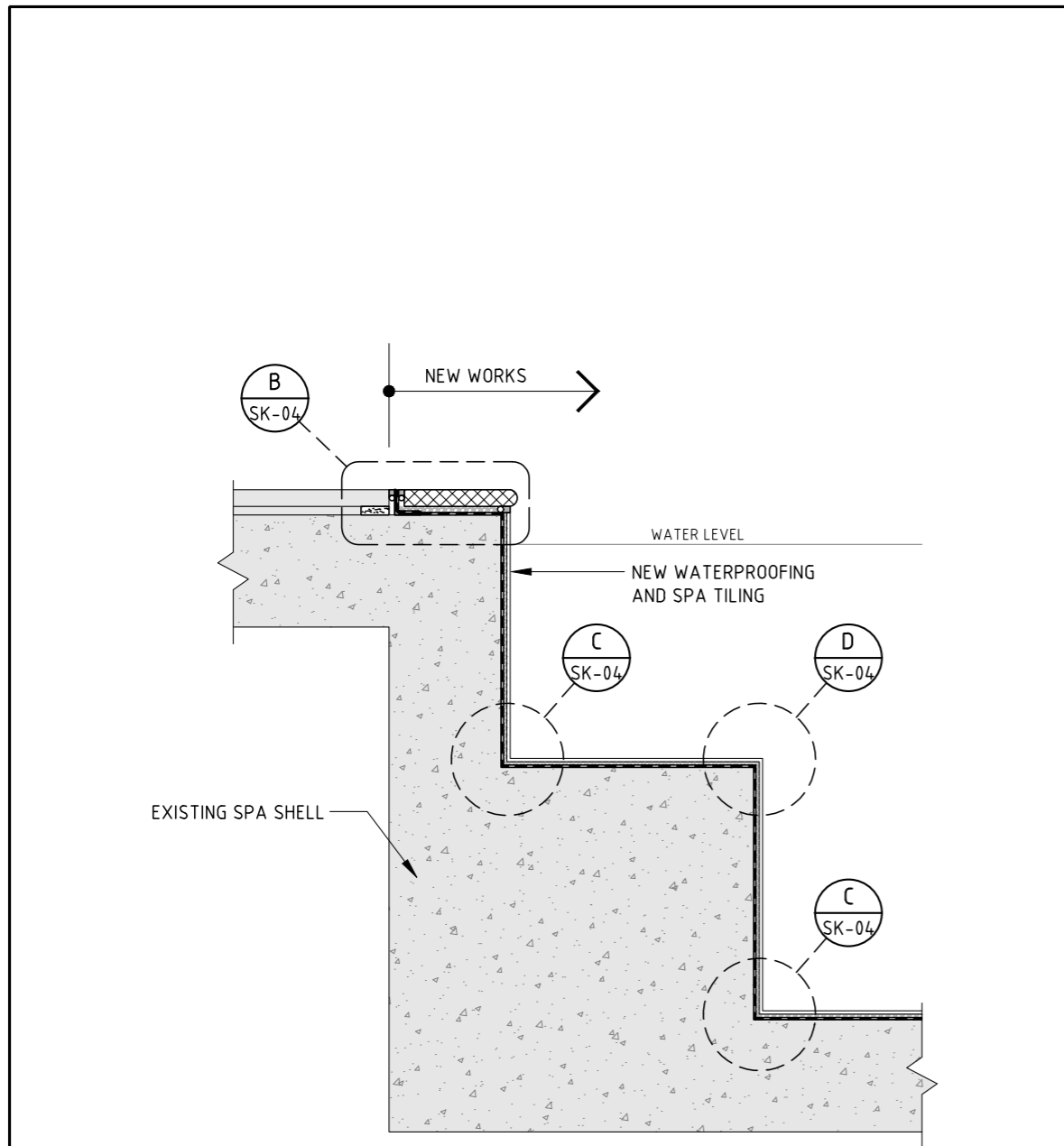
- All work shall be carried out strictly in accordance with the requirements of the Occupational Health & Safety Act, and all Quality Management and other applicable Standards and regulations together with any relevant statutory requirements.
- Site establishment, including installation of temporary fencing around work areas.
- Traffic and pedestrian control, including for deliveries.
- Demolition and disposal of the existing tiles and coping edge to spa.
- Demolition and disposal of the existing coping edge of the pool.
- Demolition and disposal of cut concourse tiles from wet deck to the pool shell joint.
- Demolition and removal of existing drop nose and damaged water line tiles.
- Remove and dispose of existing wet deck waterproofing.
- Remove and dispose of existing balance tank waterproofing to walls and top edge.
- Remove all existing joint sealers to pool edge and spa shell e.g. to glass windows, between pool shells, between base of balustrade and pool coping pavers and column bases.
- Remove and safely store pool SS steps and spa air loop for later reinstatement.
- Remove and reinstate skirting tiles to base of aluminium cladded columns inclusive of grouting and joint sealants.

- Thorough cleaning and preparation of the existing concrete slab surface to pool edge, wet deck to pool shell joint, entire spa and balance tank block walls.
- Supply & install levelling liners including repair to substrate damages and divets to spa, pool edge and concourse.
- Supply & install wet deck epoxy liner and waterproofing.
- Supply & install waterproofing membrane to pool edge, and spa shell including primer.
- Supply & install tiles to spa shell and pool waterline.
- Supply & install coping pavers to all spa and pool edges.
- Supply & install all grouts and flexible chemical resistant joint sealers.
- Supply & installation of balance tank waterproofing membrane including primer.
- Site clean-up make good inclusive of failing joint sealers to pool shell and perimeter.
- Reinstatement and test earthing to all metal components around pool and spa (House Electrician).
- Reinstatement steps and spa air loop.
- Site dis-establishment.
- Supply of all Materials, Labour and Plant hire required to undertake the above.



TYPICAL SECTION THROUGH POOL WET EDGE
SCALE 1:10

REV.	DATE	AMENDMENT.	PROJECT		DRAWING TITLE			
A	24.10.18	ISSUED FOR DISCUSSION	OAKS CASINO TOWERS POOL & SPA REPAIR		TYPICAL POOL REPAIR DETAILS SHEET 1			
 IZZAT CONSULTING ENGINEERS PTY LTD ABN: 60 110 255 582 Newcastle Office: 4, 56 Hudson Street, Hamilton, NSW 2303 PO Box 988 Hamilton 2303 P: +61 2 4940 0091 F: +61 2 4940 0091 E: mail@izzat.com.au W: www.izzat.com.au			CLIENT	DESIGN	DRAWN	CHECKED	SCALE	A4
Different thinking. Smarter solutions.			OAKS - CASINO TOWERS CTS 34-087	B.B.	W.M.		1:10 UNO	277x190
				DATE	JOB No.	DWG No.	REV.	
				OCTOBER 2018	J6213	SK-01	A	

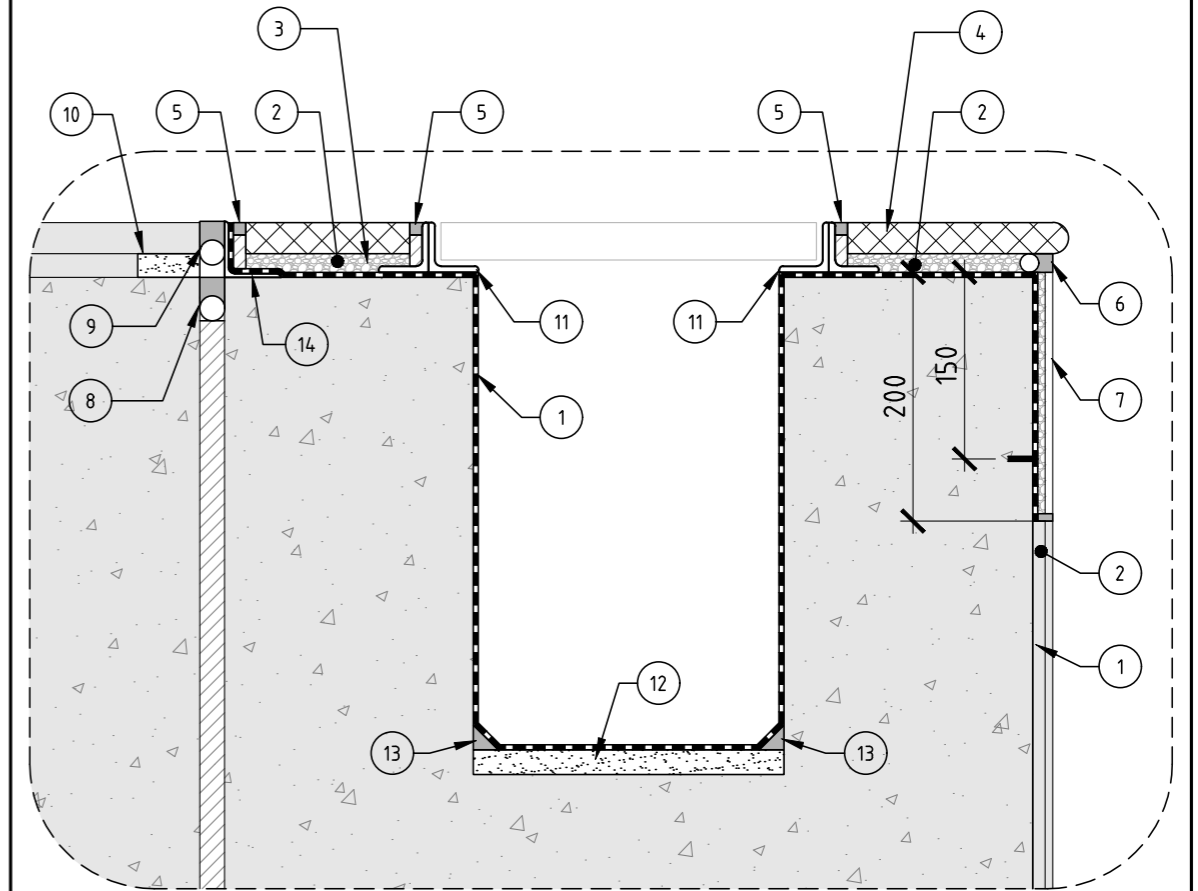


TYPICAL SECTION THROUGH SPA WALL
SCALE 1:10

REV.	DATE	AMENDMENT.	IZZAT CONSULTING ENGINEERS A DOCKRILL FAMILY COMPANY Member of: CONSULT AUSTRALIA		IZZAT CONSULTING ENGINEERS PTY LTD ABN: 60 110 255 582 Newcastle Office: 4, 56 Hudson Street, Hamilton, NSW 2303 PO Box 988 Hamilton 2303 P: +61 2 4940 0091 F: +61 2 4940 0091 E: mail@izzat.com.au W: www.izzat.com.au	PROJECT OAKS CASINO TOWERS POOL & SPA REPAIR CLIENT OAKS - CASINO TOWERS CTS 34.087	DRAWING TITLE TYPICAL POOL REPAIR DETAILS SHEET 2	DESIGN B.B. DATE OCTOBER 2018	DRAWN W.M. JOB No J6213	CHECKED SCALE 1:10 U.N.D. DWG. No SK-02	A4 277x190 REV. A
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LEGEND

- ① NEW WATER PROOF MEMBRANE. REFER TO SPECIFICATIONS
- ② NEW TILE ADHESIVE. REFER TO SPECIFICATIONS
- ③ NEW FLOOR TILES TO MATCH EXISTING. COLOUR TBC BY OWNER. REFER TO SPECIFICATIONS
- ④ NEW CAPPING TILE. REFER TO SPECIFICATIONS
- ⑤ NEW FLEXIBLE SEALANT TO PERIMETER OF FLOOR TILES. C/W COMPRESSIBLE MATERIAL. REFER TO SPECIFICATIONS
- ⑥ NEW FLEXIBLE SEALANT C/W BACKING ROD. REFER TO SPECIFICATIONS
- ⑦ NEW POOL TILES. REFER TO SPECIFICATIONS
- ⑧ NEW FLEXIBLE SEALANT C/W BACKING ROD. REFER TO SPECIFICATIONS
- ⑨ NEW FLEXIBLE SEALANT C/W BACKING ROD. REFER TO SPECIFICATIONS
- ⑩ NEW EPOXY REPAIR MORTAR. REFER TO SPECIFICATIONS
- ⑪ NEW STAINLESS STEEL (GRADE 316) 2/ 40 x 40 x 5 EA. STITCH WELDED TOGETHER. REFER TO SPECIFICATIONS
- ⑫ NEW LEVELING SCREED. REFER TO SPECIFICATIONS
- ⑬ NEW COVE FILLET FORMED FROM CONTINUOUS BEAD OF FLEXIBLE SEALANT. REFER TO SPECIFICATIONS
- ⑭ NEW CONTINUOUS 40 x 3 MARINE GRADE ALUMINIUM ANGLE. REFER TO SPECIFICATIONS
- ⑮ NEW FLEXIBLE SEALANT TO PERIMETER OF FLOOR TILES. REFER TO SPECIFICATIONS



DETAIL A
SCALE 1:5
SK-01

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Demolition



Removal of existing tiles



Removal of existing tiles



Removal of existing tiles



Remove spalling

Waterproofing



Waterproofing spa substrate



Waterproofing pool wet deck edge



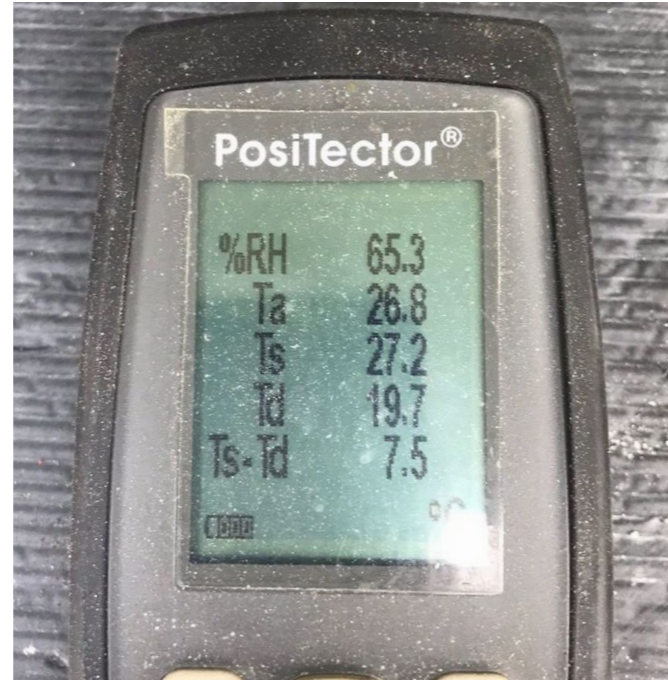
Completed waterproofing



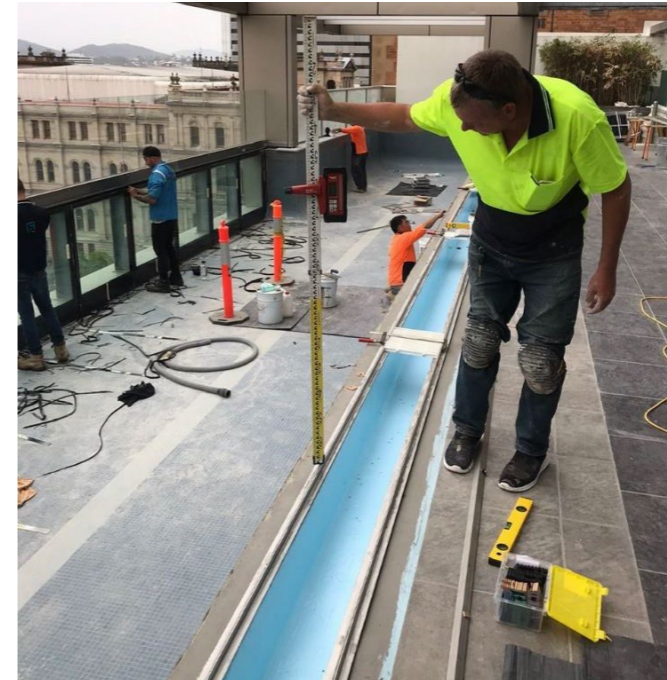
Quality Assurance



Concrete substrate moisture test - 3.4%



Ambient weather conditions



Stainless Steel installation - Wet deck Channel



Stainless Steel installation - Wet deck Channel

Wet Deck Channel



Waterproofing - Wet Deck Channel



Epoxy Coating - Wet deck Channel



Tiling Wet Deck Concourse



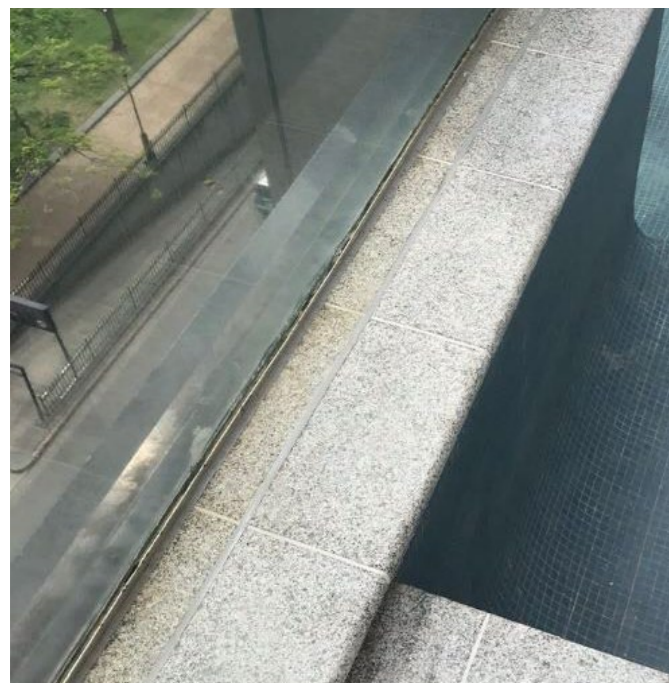
Tiling



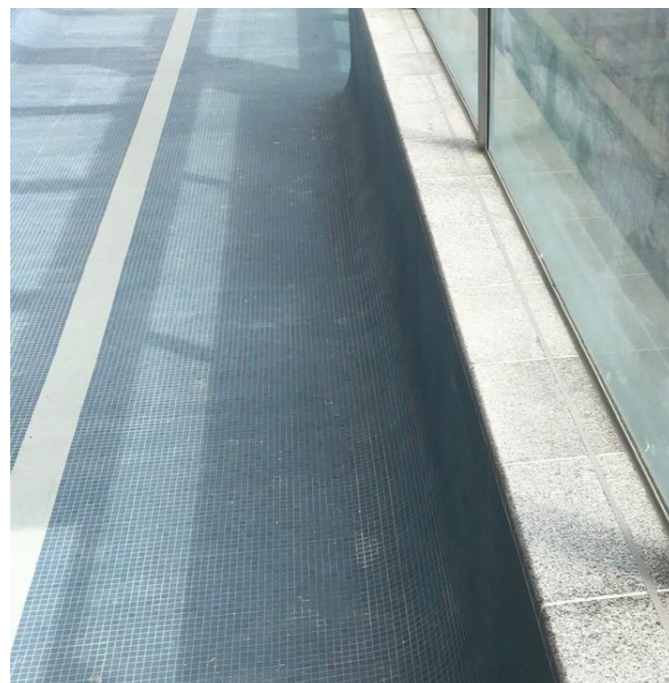
Tiling Spa



Tiling Spa - Skimmer box lid detail



Bull nose coping tiles

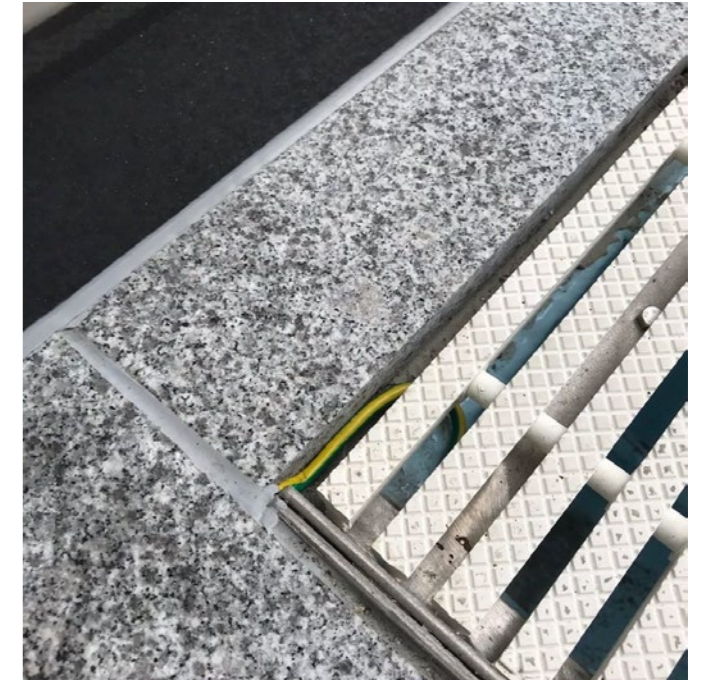


Tiles cleaned and sealed

Wet Deck Grate Re-Installation Including Earth Strap



Wet deck grate re-installed



Earth strap installation

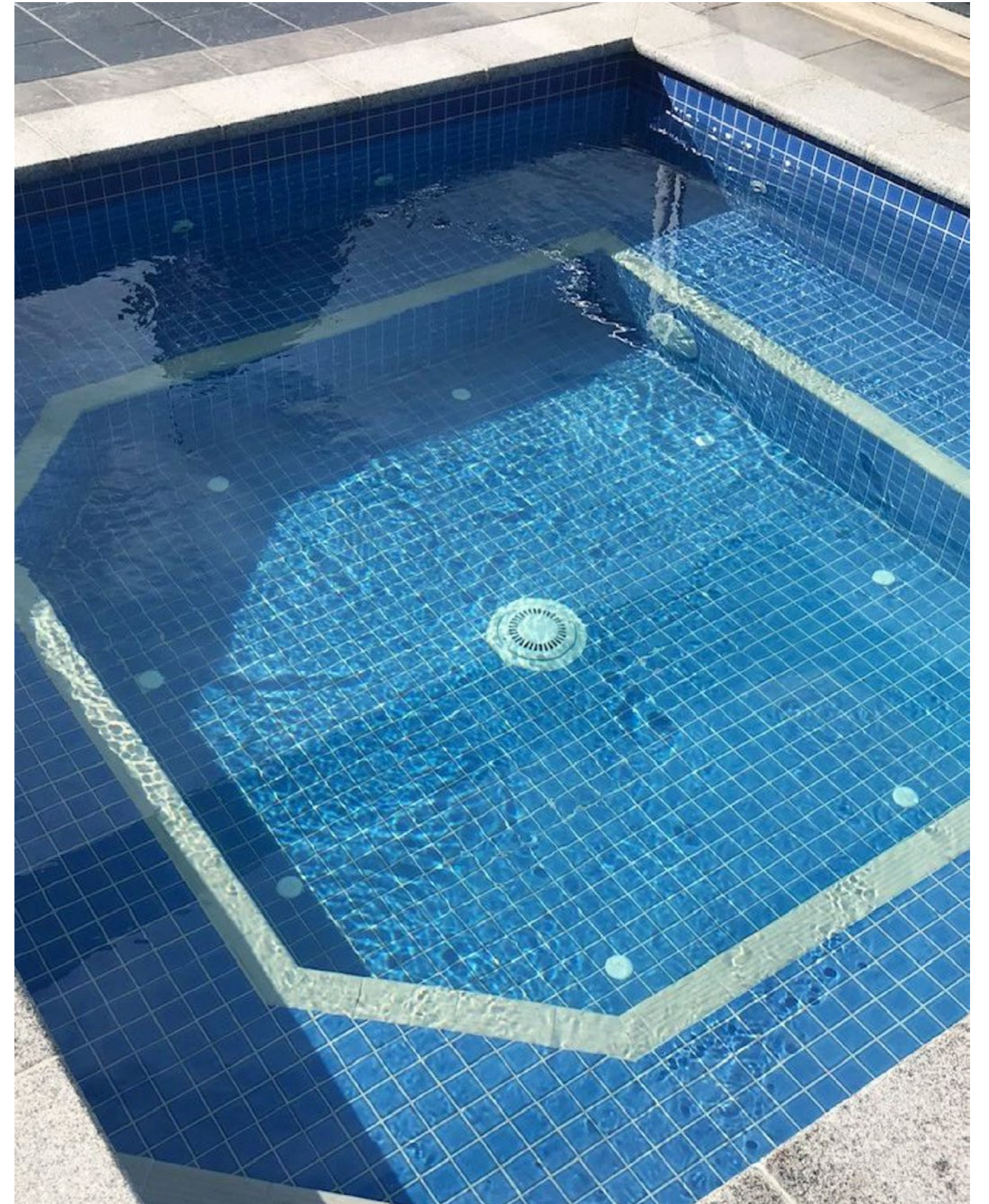
Balance Tank



Epoxy primer



Sprayed Polyurethane membrane





Concrete Seal

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Proud Member

Concrete Seal Pty Ltd

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