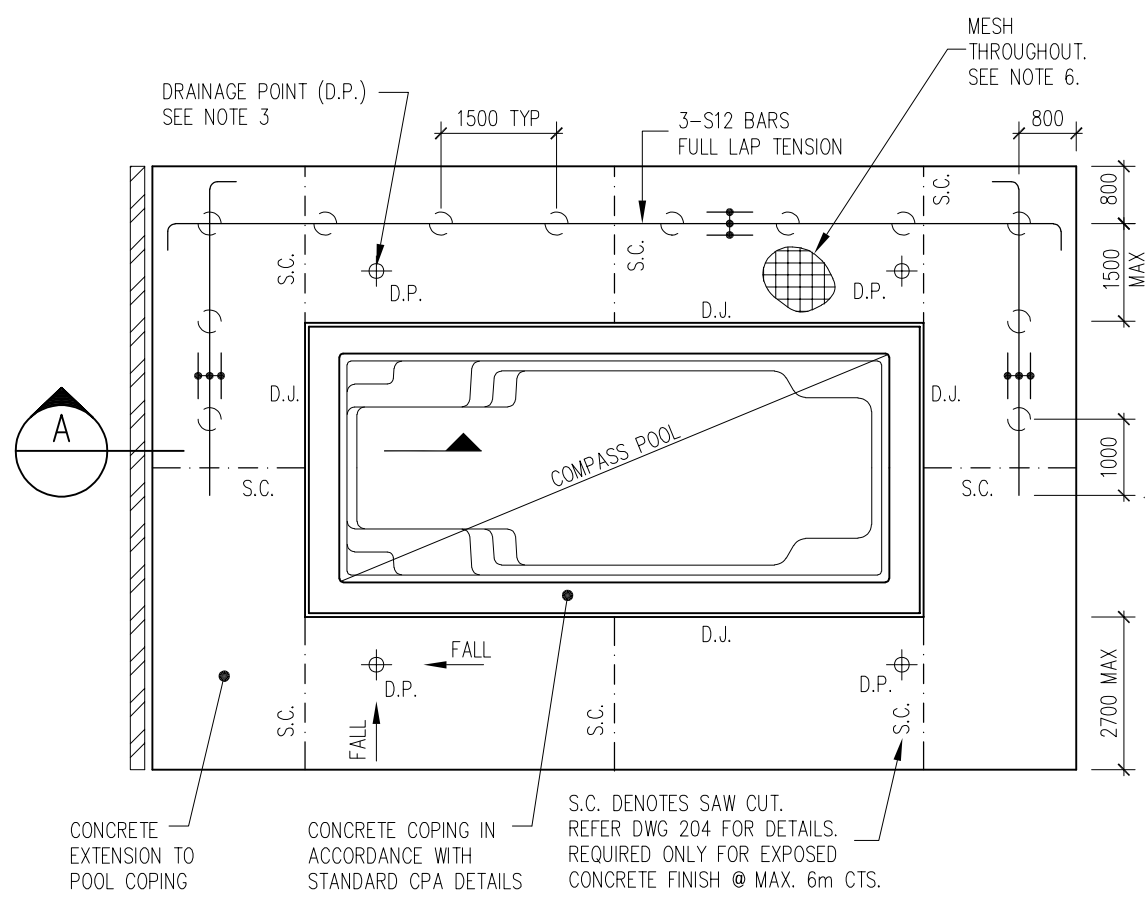


DO NOT SCALE THIS DRAWING - USE FIGURED DIMENSIONS ONLY

A3 SHEET

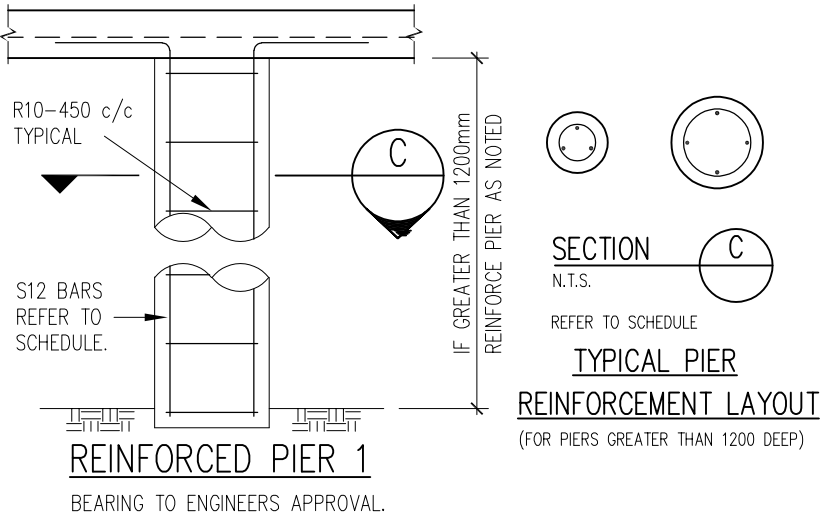
PIER SIZES		
BEARING PRESSURE (kPa)	DIAMETER (mm)	REINFORCEMENT IF > THAN 1200 DEPTH
100	450	4S12
200	300	4S12
400	250	3S12



TYPICAL PLAN - COPING EXTENSION

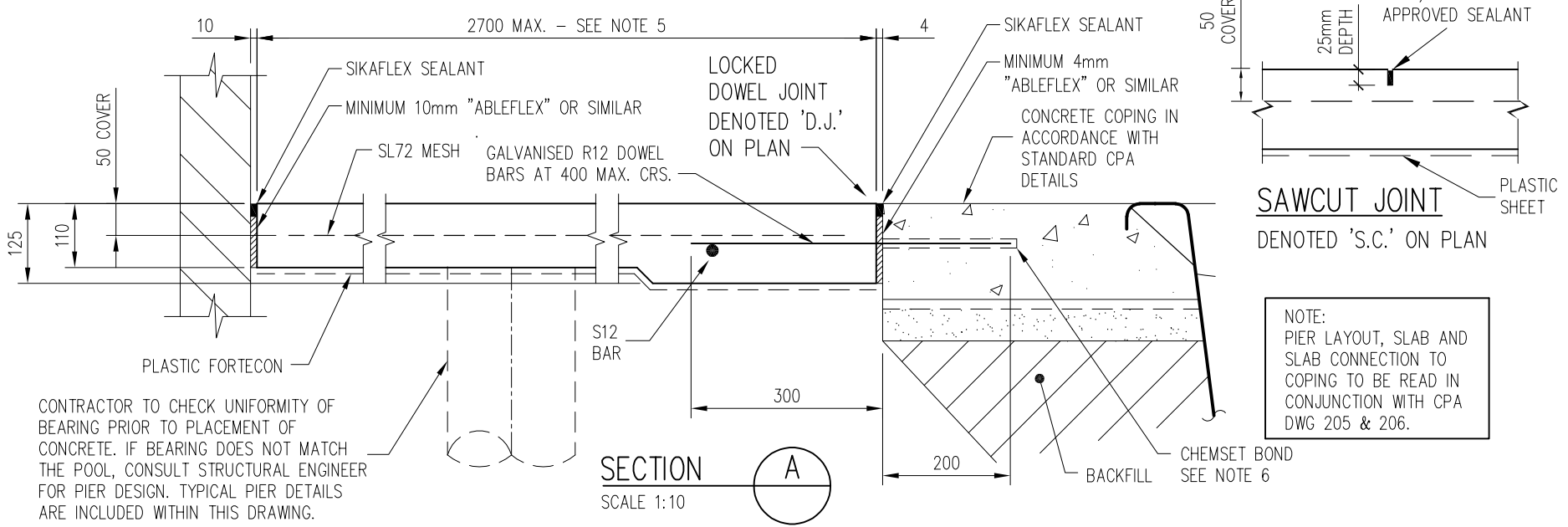
SCALE 1:100

NOTE: IF CONCRETE COPING EXTENSION EXCEEDS 2.7m, CONSULT STRUCTURAL ENGINEER FOR DETAILS. ENSURE UNIFORMITY OF BEARING.



REINFORCED PIER 1

BEARING TO ENGINEERS APPROVAL.



SECTION A

SCALE 1:10

- LOADING**
Live loading. 2kPa as per AS1838. Allowance for finishes 1 kPa.
- SLAB ON GROUND**
All top soil and areas of fill must be removed down to natural ground in order to achieve uniform bearing. Infill material to suit final levels must be granular fill such as sand cement 1:20 mix, 5% moisture compacted in 150mm layers with six passes of 75kg vibrating plate compactor or similar approved. Natural uniform bearing very important plus falls for drainage. For details of slab design see section A. 110mm slab on membrane (125mm slab with no membrane) and 25mm sand below reinforce with SL72 mesh top (50 cover). For grade of concrete, see 100 series drawings, all in accordance with AS3600.
- DRAINAGE**
Recommended 1 way fall 1:75 Recommended 2 way fall 1:100 It is important to agree drainage design prior to finalising concrete design. Drainage points set within concrete concourse will need to consider 2 way falls, unless otherwise agreed.
- ENGINEERING DESIGN**
Details included here must be read in conjunction with all other Compass Pools drawings relevant to the particular installation. In particular refer to 800 series drawings.
- VARIATION TO STANDARD DESIGN**
Should variation be proposed to installation nominated on the standard compass pool drawings, specific approval should be sought from the certifying engineer.
- CONSTRUCTION OF CONCRETE SLAB IN 2 POURS**
A common method of construction is for the pool installer to build a standard minimum coping and for a second contractor to complete the extension of the concrete works as a separate contract. For a slab on ground without piercing, the basic reinforcement as shown on standard Compass Pools drawing 202 is required, even when the whole slab is cast in one pour. It is important that both slabs are tied together to prevent vertical and horizontal separation of the two pours.
- JOINTS**
This drawing makes a recommendation for crack control joints in an extended concrete slab. When the concrete slab is cast in two pours. A construction joint is automatically created between the two pours. The indicative joint pattern shown on this drawing should be reviewed on each specific project since it will vary with slab size. For advice refer to engineer. The addition of the finishes e.g. tiling on a cementitious bed will require its own jointing pattern, coordinated with joints of the concrete slab and requirements of AS3958.2007. An indicative requirement to joints at 3m centres each way. See standards.
- EXPANSION JOINTS**
Where the overall length of a slab exceeds 16m, a c.j. (construction joint) will need to be changed to an e.j. (expansion joint). The indicative joint pattern shown on this drawing should be reviewed on each specific project since it will vary with slab size. For advice refer to engineer. The addition of the finishes e.g. tiling on a cementitious bed will require its own jointing pattern, coordinated with joints of the concrete slab.

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EXTENSION TO CONCRETE COPING

Designed CER
Drawn NT

211K

STRUCTURAL DETAILS APPROVED BY CE RICKARD, M.Sc, FStruct.E, FIE(Aust), MIPENZ
QLD: RPEQ 2485 VIC: PE0003927 NSW: NPER 73285 NZ: PSA3584

CLIENT: _____ Date _____
ADDRESS: _____ Approved _____
Job No. _____