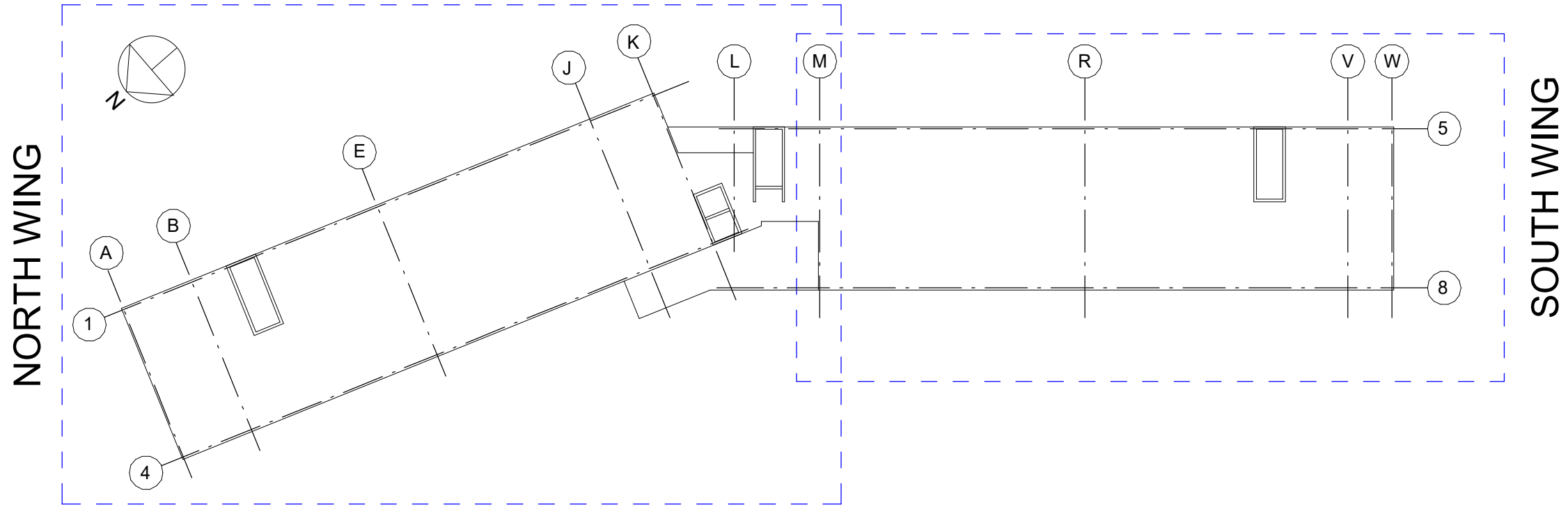
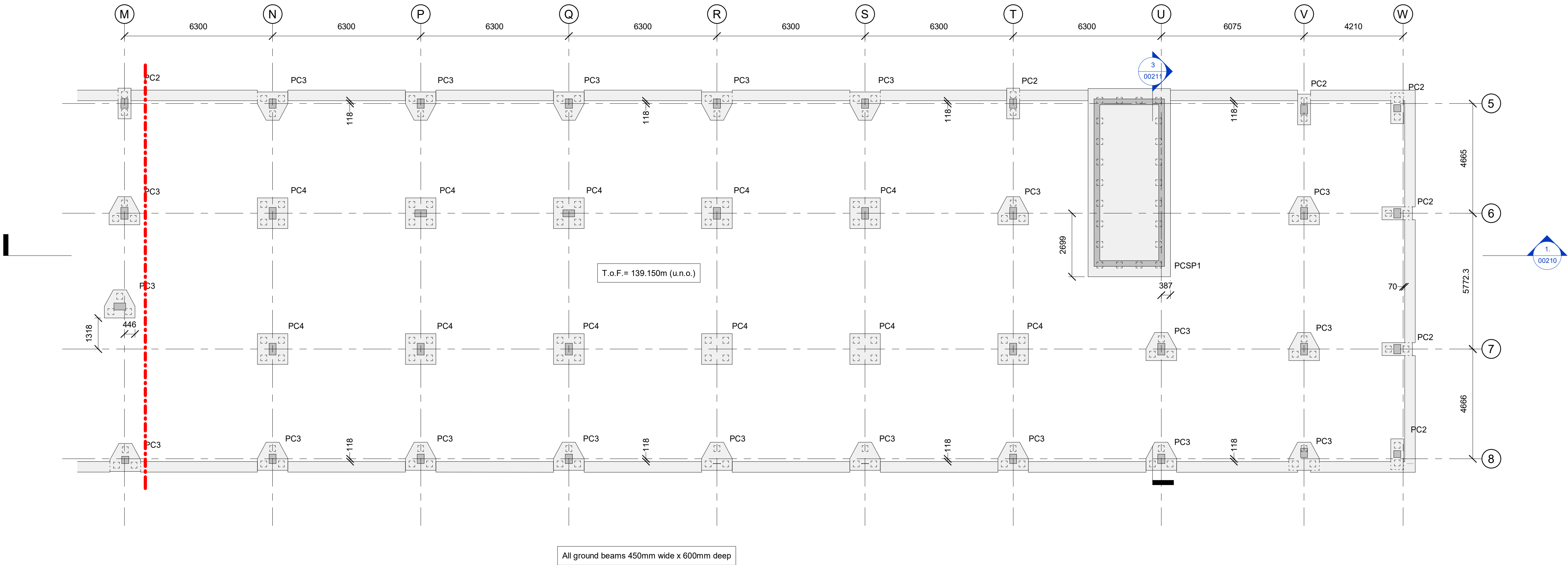




G.A. Plan Split (Zone 1)
1 : 500



FOUNDATIONS G.A.
SOUTH WING
1 : 100

Foundation Notes

- All works to be carried out in line with recommendations given in BKPL, Curtins and Tier Remediation Strategy and Ground Investigation Reports.
- Refer to BKPL Excavation and Filling Specification (report no. ORRD-BKP-00-XX-SP-C-01001).
- Piling layout is shown indicatively only. Based on unfactored capacity of 550kN per pile, assuming 250sq driven pile to approx. 27m depth. To be confirmed by piling specialist.
- Concrete grades as follows:
Pilecaps: RC25/30
Ground beams: RC32/40
Core bases: RC25/30
Columns: RC35/45
Walls: RC35/45
All floor slabs: RC32/40
- A piling mat will be required in line with BRE470 Working Platforms for Tracked Plant. Contractor to undertake appropriate TW design.
- All concrete in contact with the ground to be suitable for use in the following conditions:

Design Sulphate Class DS-1
Aggressive Chemical Environment AC-1

- Max. aggregate size 20mm.
- Stage 4 reinforcement estimates:

Pilecaps: 120kg/m³
Ground beams: 100kg/m³
Lift/stair bases: 110kg/m³
- Cover to reinforcement to be:
75mm bottom
40mm top
40mm sides
- Unless noted otherwise, assume laps to be as follows:
H10 - minimum 450mm
H12 - minimum 550mm
H16 - minimum 750mm
- All concrete to be in accordance with National Structural Concrete Specification for Building Construction.
- Hi-vis rebar protectors to be placed on ends of exposed bars and all operatives to wear eye protectors (goggles) to avoid injury.
- All foundations to be in accordance with BS EN 1992, Foundations and BS EN 206, Structural use of concrete.
- Formations which are to be left exposed overnight prior to concreting shall receive grade ST3 blinding to BS 8500-2 2015 (+A2 2019).

NOTES

- Do not scale from this drawing.
- This drawing is copyright and is sent to you in confidence. It must not be copied, used or disclosed, in whole or in part, to third parties without written permission. It remains the property of Booth King Partnership Limited and must be returned on request.
- This drawing is to be read in conjunction with all relevant contractual documents.
- All dimensions shown are in millimetres unless noted otherwise.
- Anyone using this drawing must be aware of their legal duties under the CDM Regulations 2015, refer to the HSE website for further information. BKPL are not Principal Designers.
- If the contractor considers that they do not have sufficient information to safely complete the works detailed on this drawing, they should contact the engineer.
- All works are to be carried out in accordance with the Building Regulations (as amended) and to the approval of Building Standards.
- Fire resistance requirements to be carried out by specialist fire engineer.
Note, inherent fire resistance of all specified structure is minimum 120 minutes.

P01	Stage 4 first issue	19.12.22
No	Description	Date

bk

boothking

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PROJECT:

Neighbourhood

TITLE:

Foundations G.A.
South Wing

SCALE @ A1: As indicated	DRAWN: MS	DATE: Dec '22	REVISION: P01
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JOB No: 14251	SUITABILITY: S3	STATUS: Stage 4
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DRAWING No:
ORRD-BKP-SW-FN-DR-S- 00150

Stage 4