Gravity Loading - Typical Upper Floors	
Dead Load	
250mm Flat Slab	6.25 kN/m^2
Latex Screed (2-5mm)	0.10 kN/m^2
Carpet & Underlay	0.05 kN/m^2
Ceiling & Services	0.50 kN/m^2
Total	6.90 kN/m^2
Imposed Load	
A2 Residential	1.50 kN/m^2
Partitions	1.00 kN/m^2
C31 Circulation	3.00 kN/m^2
Stairs & Landings	3.00 kN/m^2

Gravity Loading - Roof Terrace	
Dead Load	
250mm Flat Slab	6.25 kN/m^2
Bauder Blue Roof	2.60 kN/m^2
Ceiling & Services	0.40 kN/m^2
Imposed Load	
A6 Terrace	3.00 kN/m^2

Cladding Loading (Applied every 2nd floor as a linear load)	
Dead Load	
Precast concrete cladding	21.00 kN/m

Note:

The initial scheme has been developed using charts and data from Economic Concrete Frame Elements to Eurocode 2. Preliminary member sizing is intended to present feasible options and provide first-order reinforcement estimates.

At detailed design stage, once comments are received and loading assumptions are confirmed, the scheme will be iterated to rationalise member sizes and ensure suitability for architectural and functional requirements.

Reinforcement quantities provided at this stage are budget estimates to support cost planning; these will be refined during detailed design to improve efficiency.

Initial stability and deflection checks have been carried out, but dynamic response to lateral loads and floor vibration assessments remain to be completed; results and any resulting adjustments will be issued to the design team.

Concrete Columns				
Ref	Size	Reinforcement Est. 3%	Number	Concrete Grade
C1	900x300	480 kg/m^3	16	C60
C2	1000x300	480 kg/m^3	4	C60
C3	1300x300	455 kg/m^3	8	C60
C5	730x400	480 kg/m^3	4	C60

Flat Slab			
Ref	Depth	Reinforcement Est.	Concrete Grade
S1	250	170 kg/m^3	C50
S2	300	190 kg/m^3	C50

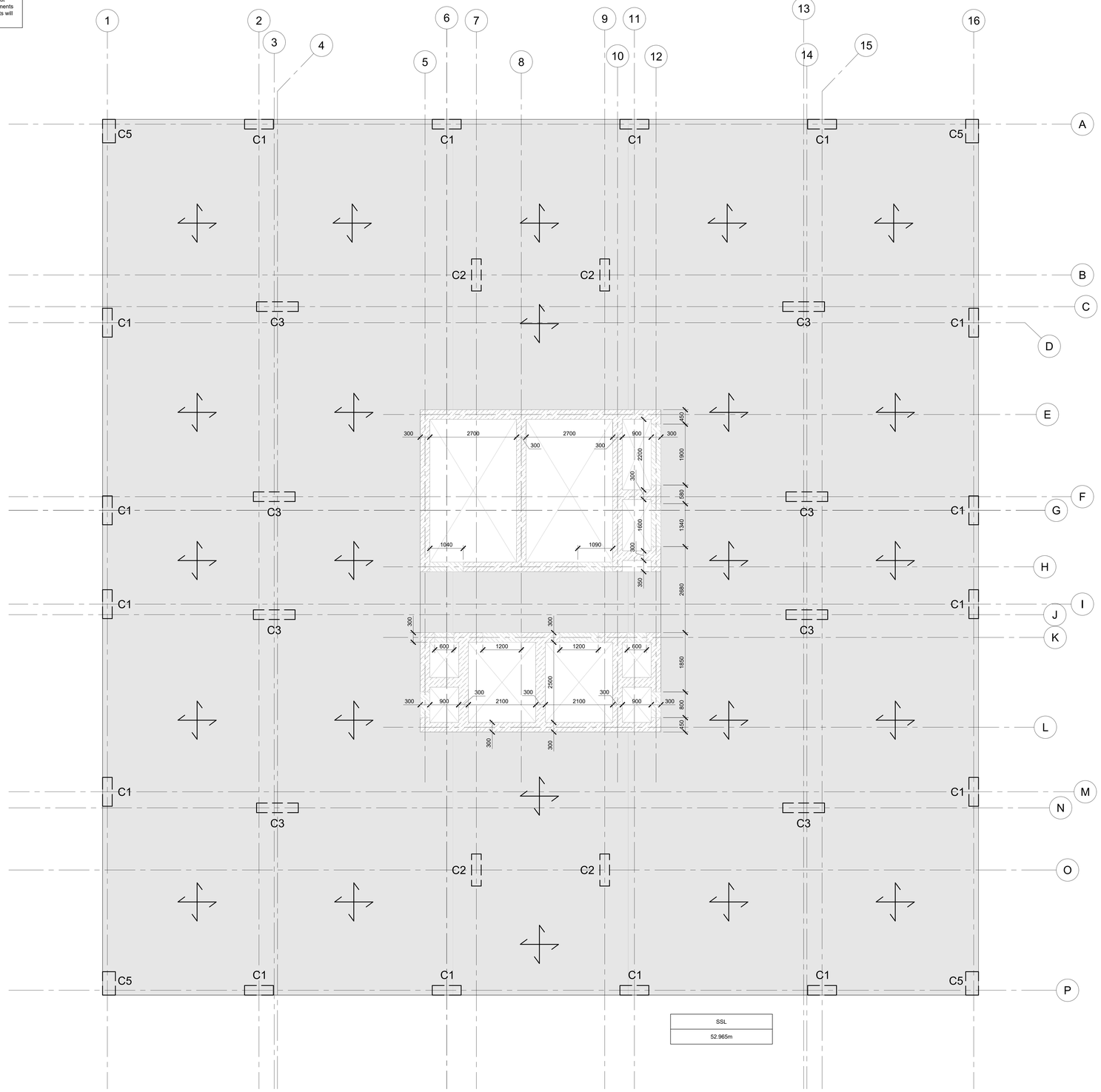
Core Walls		
Thickness	Reinforcement Est.	Concrete Grade
300mm Generally	65 kg/m^3	C60

Denotes span of S1 and S2 Flat slab.

Denotes extents of S1 Flat slab

Denotes extents of S2 Flat slab between stairs and lift cores

Denotes core walls



SSL
52.965m

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REV.	DATE	REVISION DETAILS	INITIALS
P03	20.03.36	2a - Proposed Scheme Design Updated	TB
P02	02.09.25	2a - Proposed Scheme Design Updated	CW
P01	29.08.25	2a-Proposed Scheme Design	CW
		CURRENT DRAWING REVISION CHECKED BY	AA
		CURRENT DRAWING REVISION APPROVED BY	AA

DRAWING STATUS:	PROJECT STAGE:
S1	Stage 2

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PROJECT:

Rochdale Road 2

TITLE:

Roof GA Plan

SCALE (A0)	AUTHOR	DATE	REVISION	BKPL No.
1:50	CW	29.08.25	P03	15286

DRAWING REF:

15286-BKP-V1-17-DR-S-3017