

# BAR BENDING SCHEDULE

FrameAI Civil

PROJECT  
RC Frame — 4-Storey Office—

DRAWING

DATE  
2026-06-14

SPEC  
BS 8666:2020

GRADE  
B500B

MARK	DIA (mm)	CODE	SHAPE	DIMS (mm)	QTY	CUT L (mm)	kg/m	TOTAL (kg)	LOCATION
B1	25	00	Straight bar	A=6200	48	6200	3.856	1147.55	Beams — floor 1-4 bott
SUBTOTAL H25: 2147.03 kg (112 bars)									
B2	20	00	Straight bar	A=5800	96	5800	2.468	1374.18	Beams — floor 1-4 top
SUBTOTAL H20: 1704.22 kg (128 bars)									
B3	16	00	Straight bar	A=3100	64	3100	1.580	313.47	Beams — laps + continu
SUBTOTAL H16: 6279.55 kg (704 bars)									
L1	10	33	Closed rectangular	A=360 B=560	480	1996	0.617	591.14	Beam stirrups 200 c/c
L2	10	33	Closed rectangular	A=360 B=560	192	1996	0.617	236.45	Beam stirrups 100 c/c
SUBTOTAL H10: 1857.76 kg (1824 bars)									
C1	32	00	Straight bar	A=4050	128	4050	6.318	3275.25	Columns — internal 400
SUBTOTAL H32: 3275.25 kg (128 bars)									
C2	25	00	Straight bar	A=4050	64	4050	3.856	999.48	Columns — perimeter 35
SUBTOTAL H25: 2147.03 kg (112 bars)									
C3	20	11	L-bar (single 90°)	A=3800 B=400	32	4179	2.468	330.04	Column starter bars —
SUBTOTAL H20: 1704.22 kg (128 bars)									
CL1	10	35	Closed square link	A=340	768	1516	0.617	718.37	Column links 200 c/c
CL2	10	35	Closed square link	A=290	384	1316	0.617	311.80	Column links 100 c/c (
SUBTOTAL H10: 1857.76 kg (1824 bars)									
S1	16	00	Straight bar	A=5900	320	5900	1.580	2983.04	Slab — bottom bars TX,
S2	16	00	Straight bar	A=5900	320	5900	1.580	2983.04	Slab — bottom bars TY,
SUBTOTAL H16: 6279.55 kg (704 bars)									
S3	12	00	Straight bar	A=5400	640	5400	0.888	3068.93	Slab — top bars over s
S4	12	21	U-bar (two 90° ben	A=1800 B=200	128	2174	0.888	247.11	Slab — edge U-bars
SUBTOTAL H12: 3316.04 kg (768 bars)									

**GRAND TOTAL: 18.580 t (18579.85 kg) | 14 bar marks | 3664 bars total | Grade B500B**

## TONNAGE BY DIAMETER

DIA (mm)	GRADE	BAR COUNT	WEIGHT (kg)	WEIGHT (t)	STOCK BARS	WASTE %	kg/m
H10	B500B	1824	1857.76	1.858	253	0.8%	0.617
H12	B500B	768	3316.04	3.316	346	10.1%	0.888
H16	B500B	704	6279.55	6.280	342	3.2%	1.580
H20	B500B	128	1704.22	1.704	64	10.1%	2.468
H25	B500B	112	2147.03	2.147	56	17.1%	3.856
H32	B500B	128	3275.25	3.275	64	32.5%	6.318

**TOTAL: 18579.85 kg = 18.580 t | Grade B500B | Spec: BS 8666:2020**

Estimated cost @ €1200/t: €22296 (indicative — confirm with supplier)