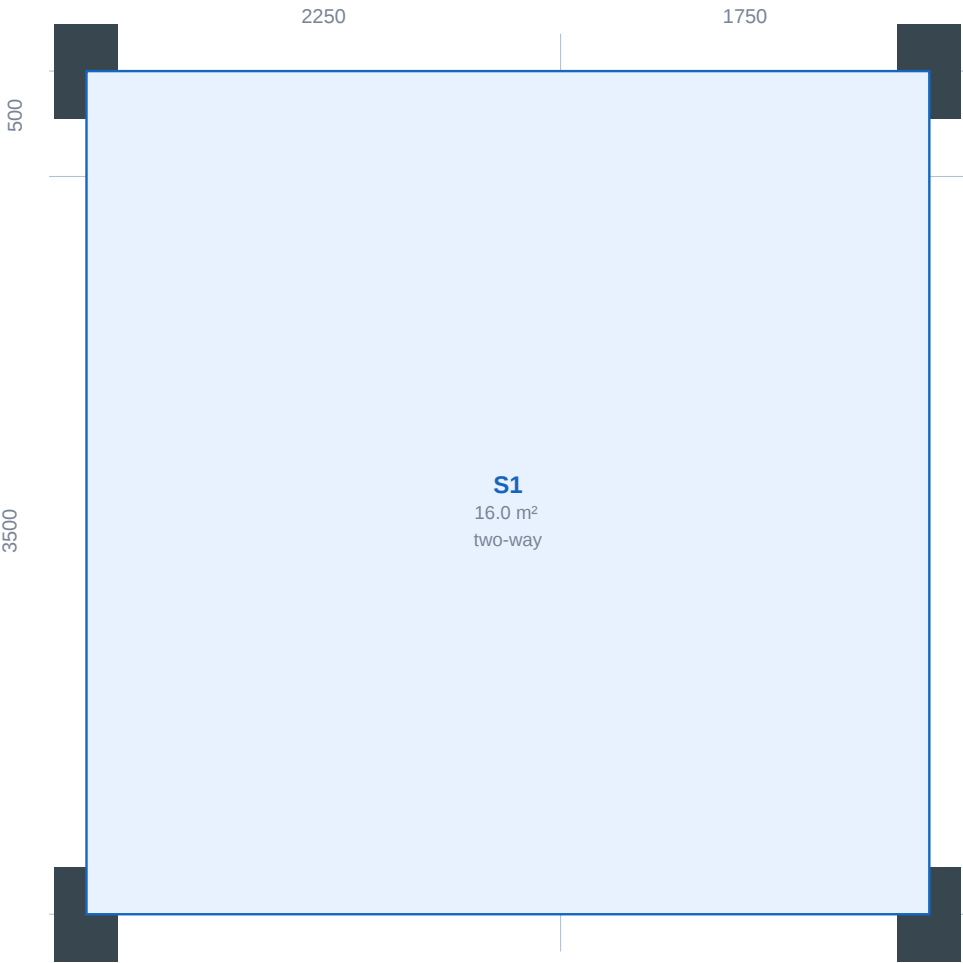


Design	FEM Test Bay
Building code	IS 456:2000 (India)
Units	Metric (mm)
Columns	5 (2 types)
Footings	5 (1 type)
Slabs	1
Generated	2026-07-20

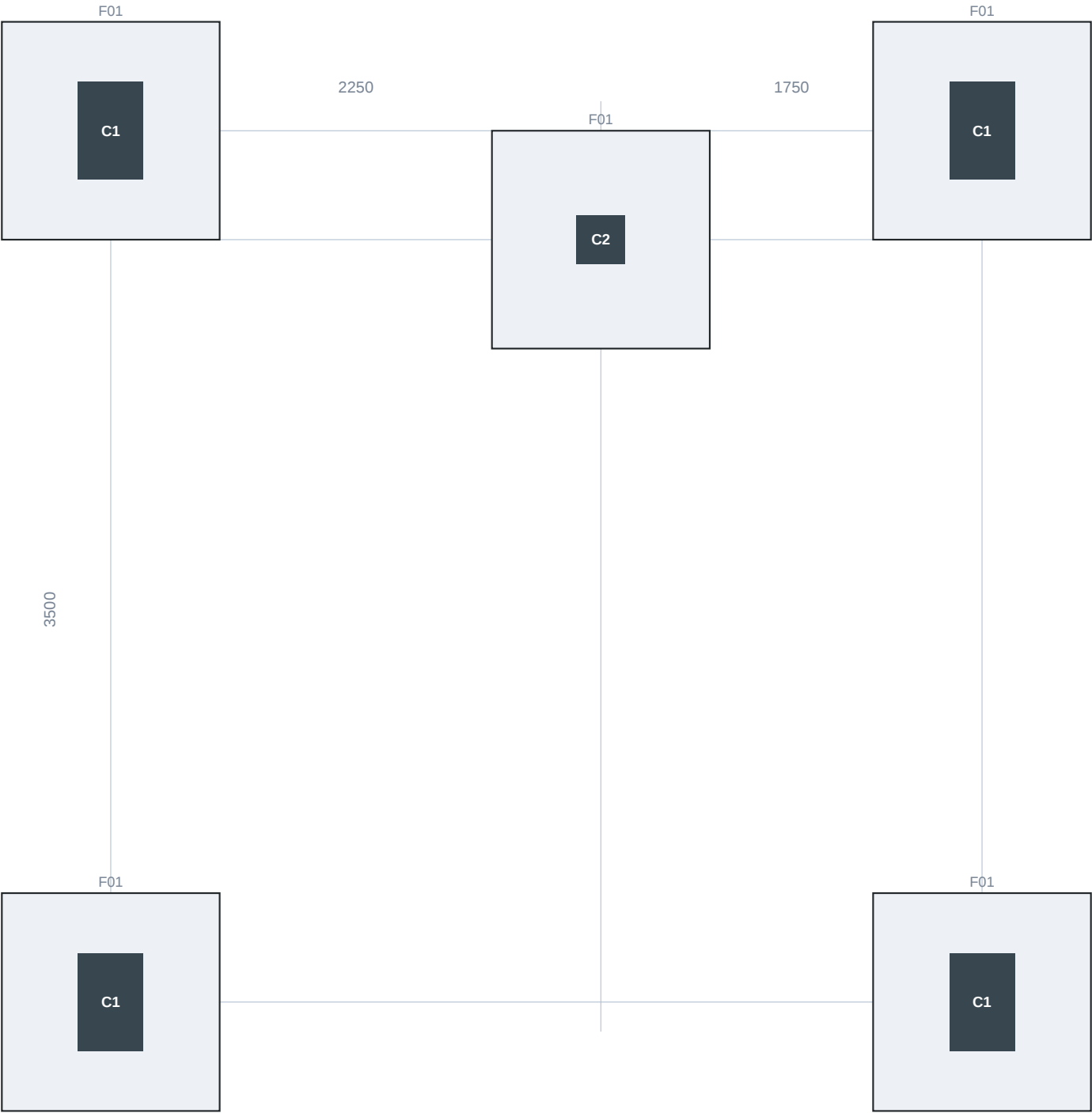


COLUMN FOOTING

LAYOUT PLAN

FEM Test Bay

IS 456:2000



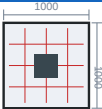
COLUMN FOOTING

SCHEDULE & TYPICAL SECTION

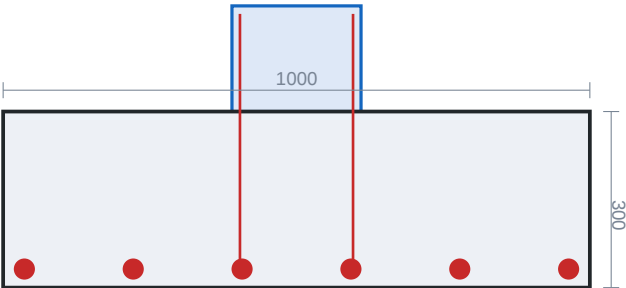
FEM Test Bay

IS 456:2000

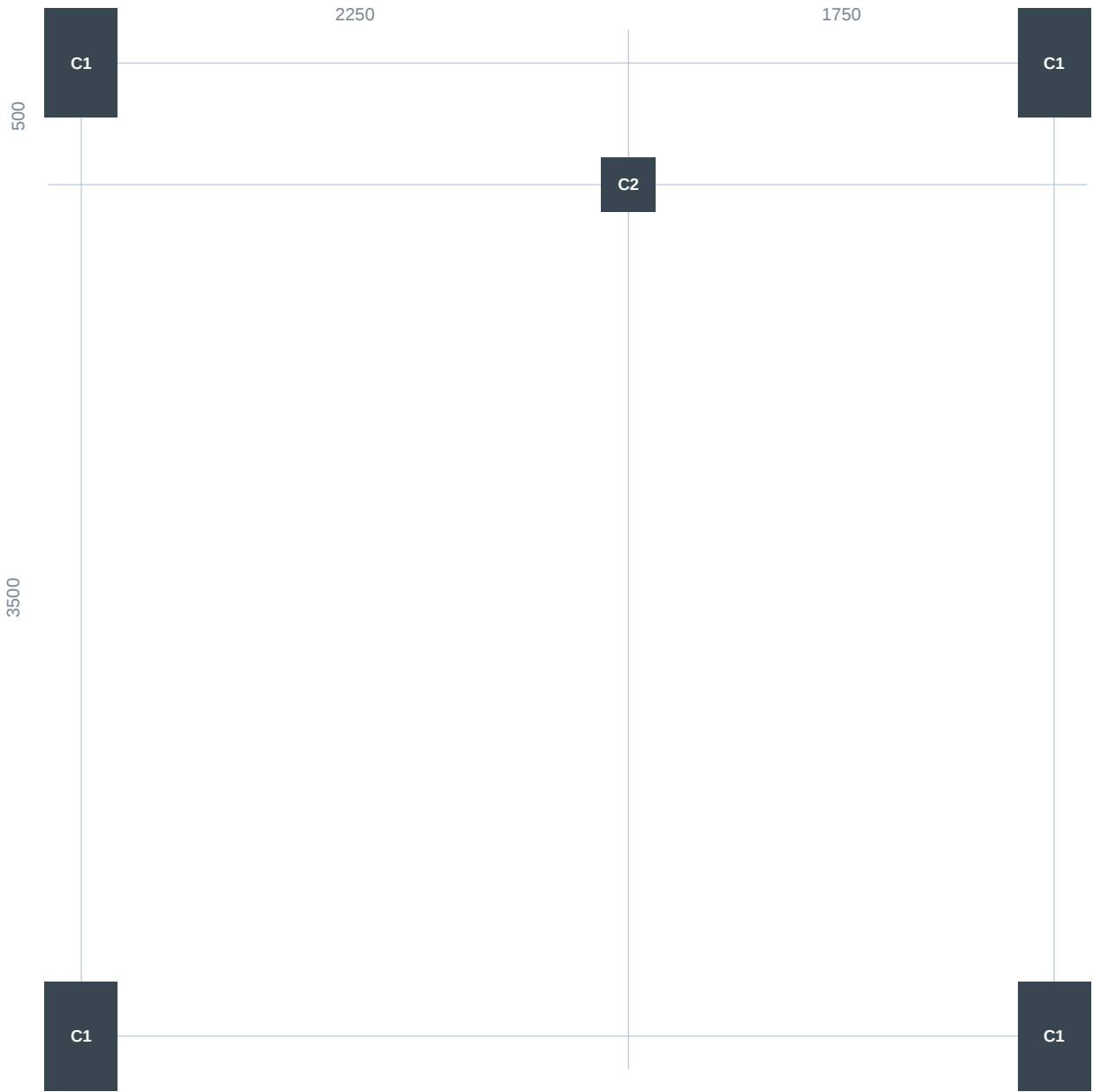
FOOTING SCHEDULE

MARK	WIDTH (B)	LENGTH (L)	DEPTH (D)	BOTTOM STEEL (B)	BOTTOM STEEL (L)	PLAN
F01	1000	1000	300	T10@150 C/C	T10@150 C/C	

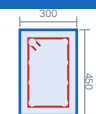
TYPICAL FOOTING SECTION



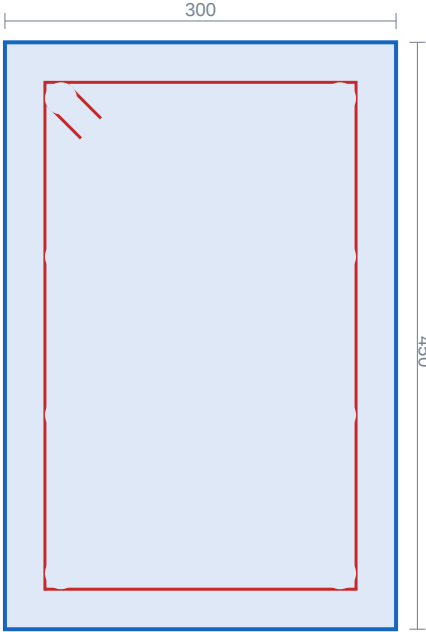
T10@150 C/C (B) · T10@150 C/C (L)



COLUMN SCHEDULE

MARK	SIZE (mm)	MAIN BARS	TIES (GENERAL)	MAIN BARS (CONF.)	TIES (CONFINED)	SECTION
C1	300X450	8-T16	T8@150 C/C	8-T16	T8@75 C/C	
C2	225X225	4-T12	T8@112 C/C	4-T12	T8@56 C/C	

TYPICAL COLUMN SECTION



8-T16

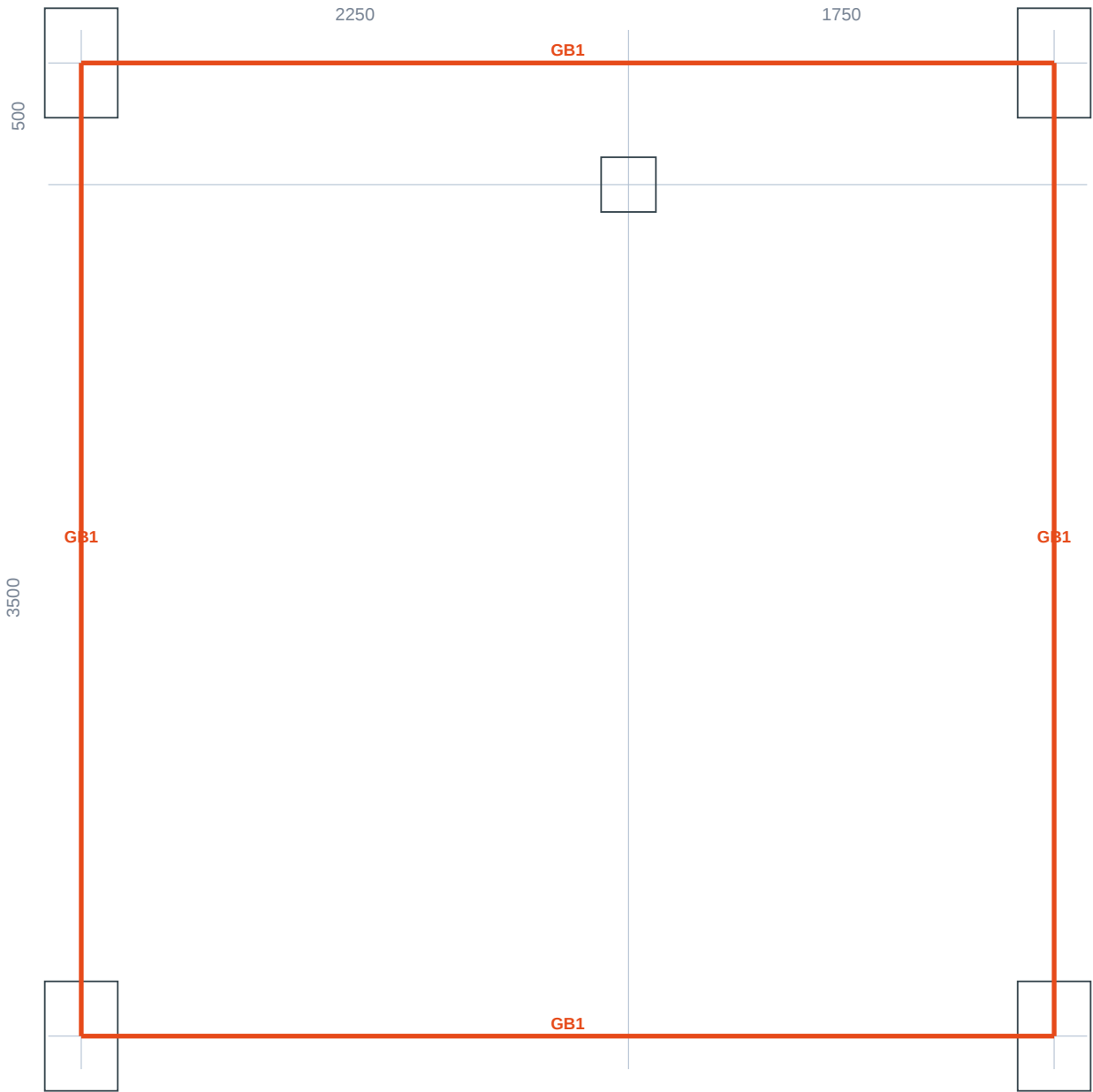
GROUND / TIE BEAM

PLAN

FEM Test Bay

IS 456:2000

N



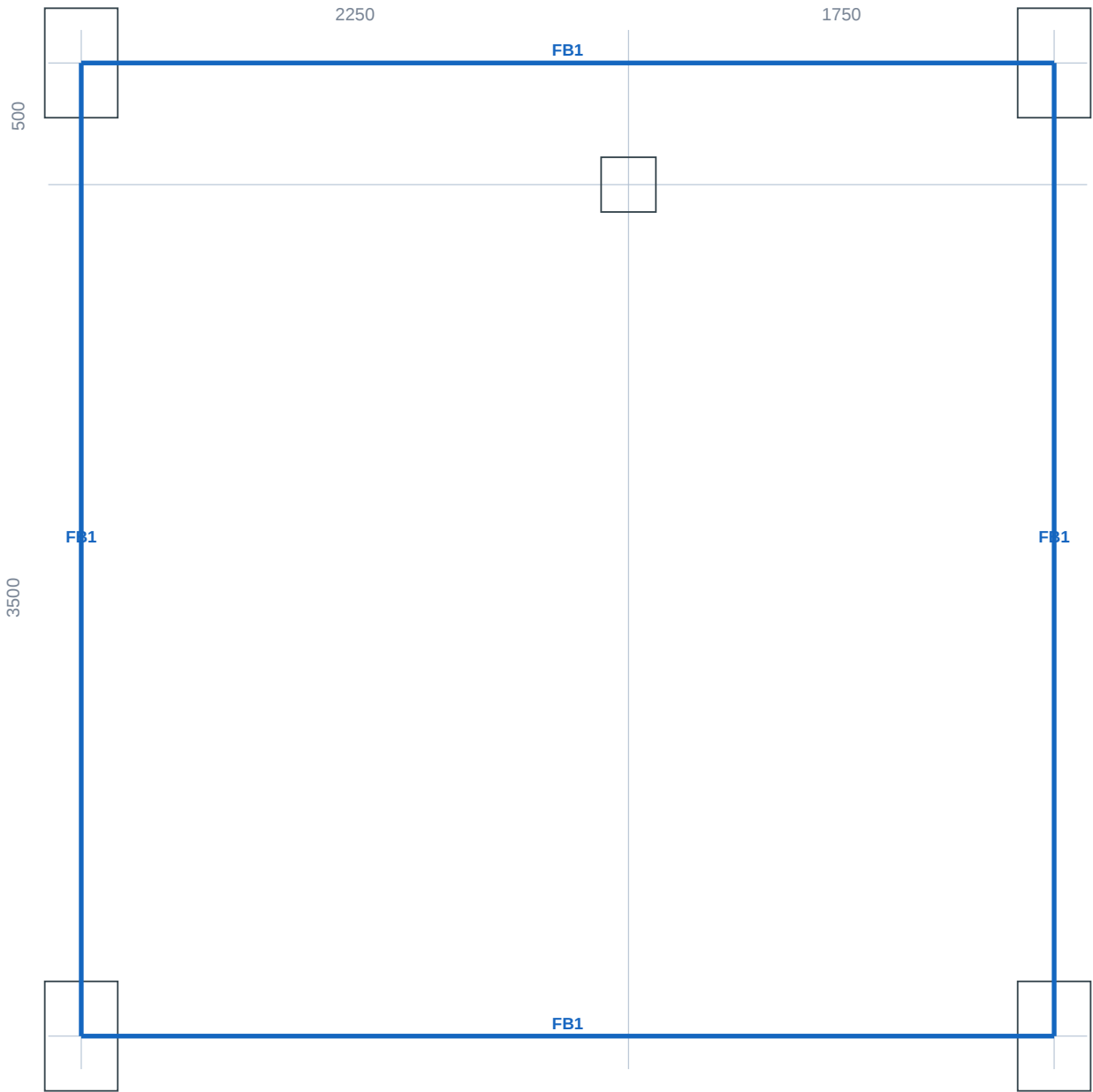
FLOOR / ROOF BEAM

PLAN

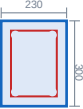
FEM Test Bay

IS 456:2000

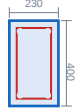
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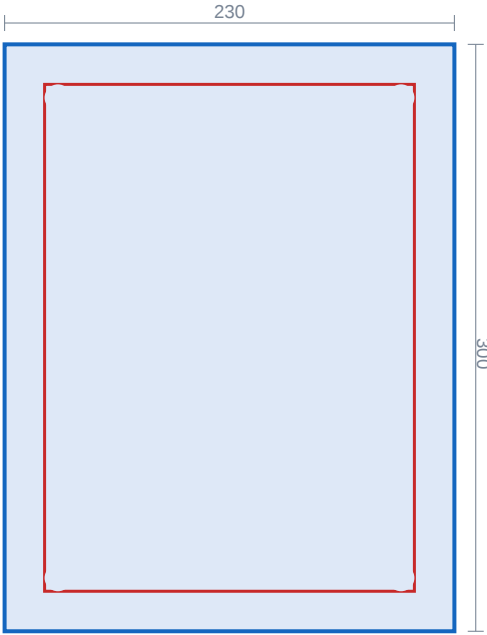
TIE / GROUND BEAMS

MARK	SIZE	BOT. CONT.	TOP CONT.	EXTRA BOT.	EXTRA TOP	STIRRUPS (SUPP.)	STIRRUPS (SPAN)	SECTION
GB1	230X300	2-T12	2-T12	-	-	T8@100 C/C	T8@150 C/C	

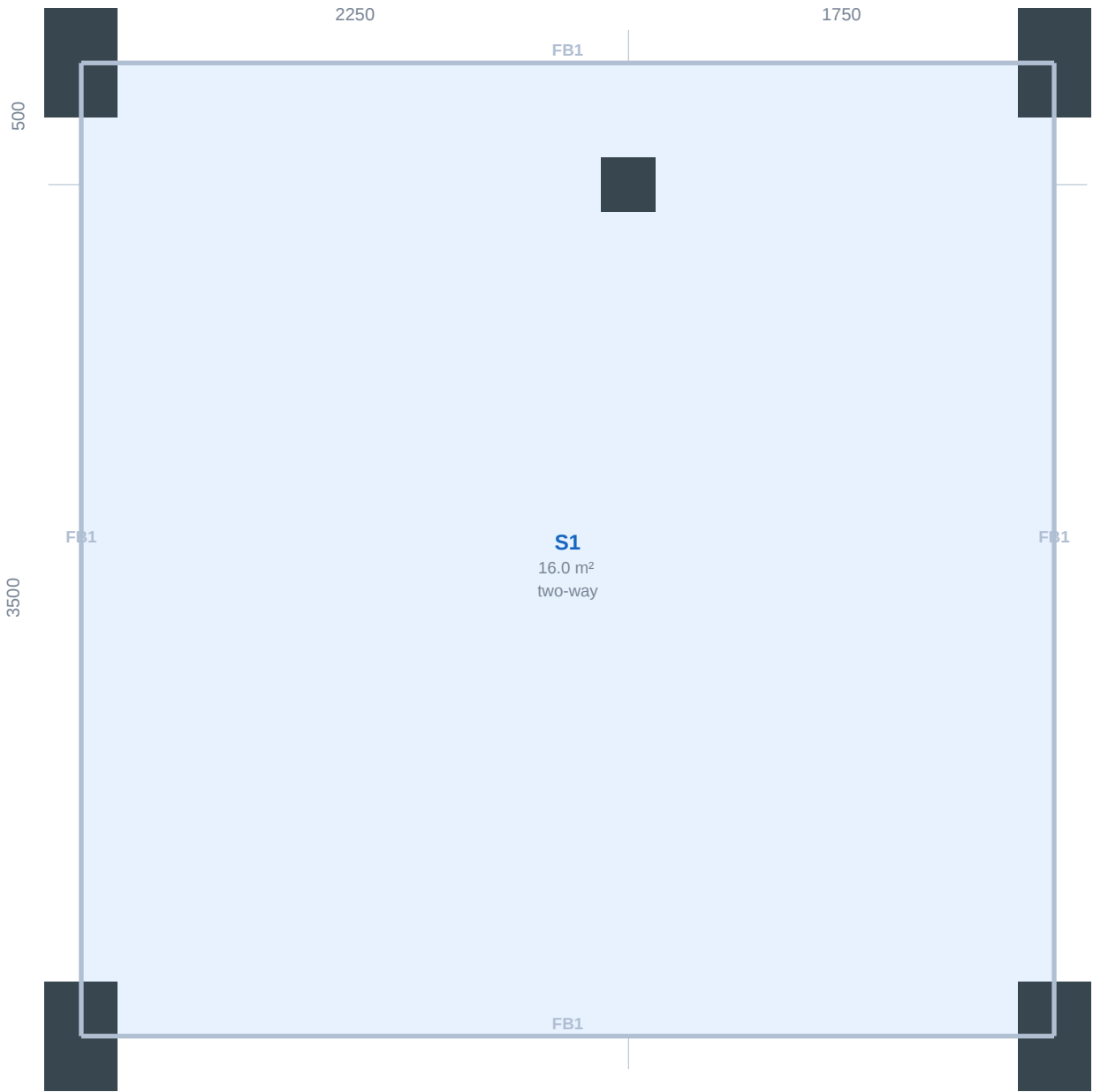
FLOOR / ROOF BEAMS

MARK	SIZE	BOT. CONT.	TOP CONT.	EXTRA BOT.	EXTRA TOP	STIRRUPS (SUPP.)	STIRRUPS (SPAN)	SECTION
FB1	230X400	2-T12	2-T12	-	-	T8@100 C/C	T8@150 C/C	

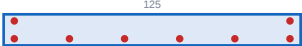
TYPICAL BEAM SECTION



Top 2-T12 · Bottom 2-T12
Stirrups T8@150 C/C



SLAB SCHEDULE

MARK	THK (mm)	TYPE	SHORT SPAN (BOT.)	LONG SPAN (BOT.)	TOP AT SUPPORT	DISTRIBUTION	COUNT	SECTION
S1	125	TWO WAY	T8@125 C/C	T8@150 C/C	T8@125 C/C	T8@200 C/C	1	

TYPICAL SLAB SECTION

