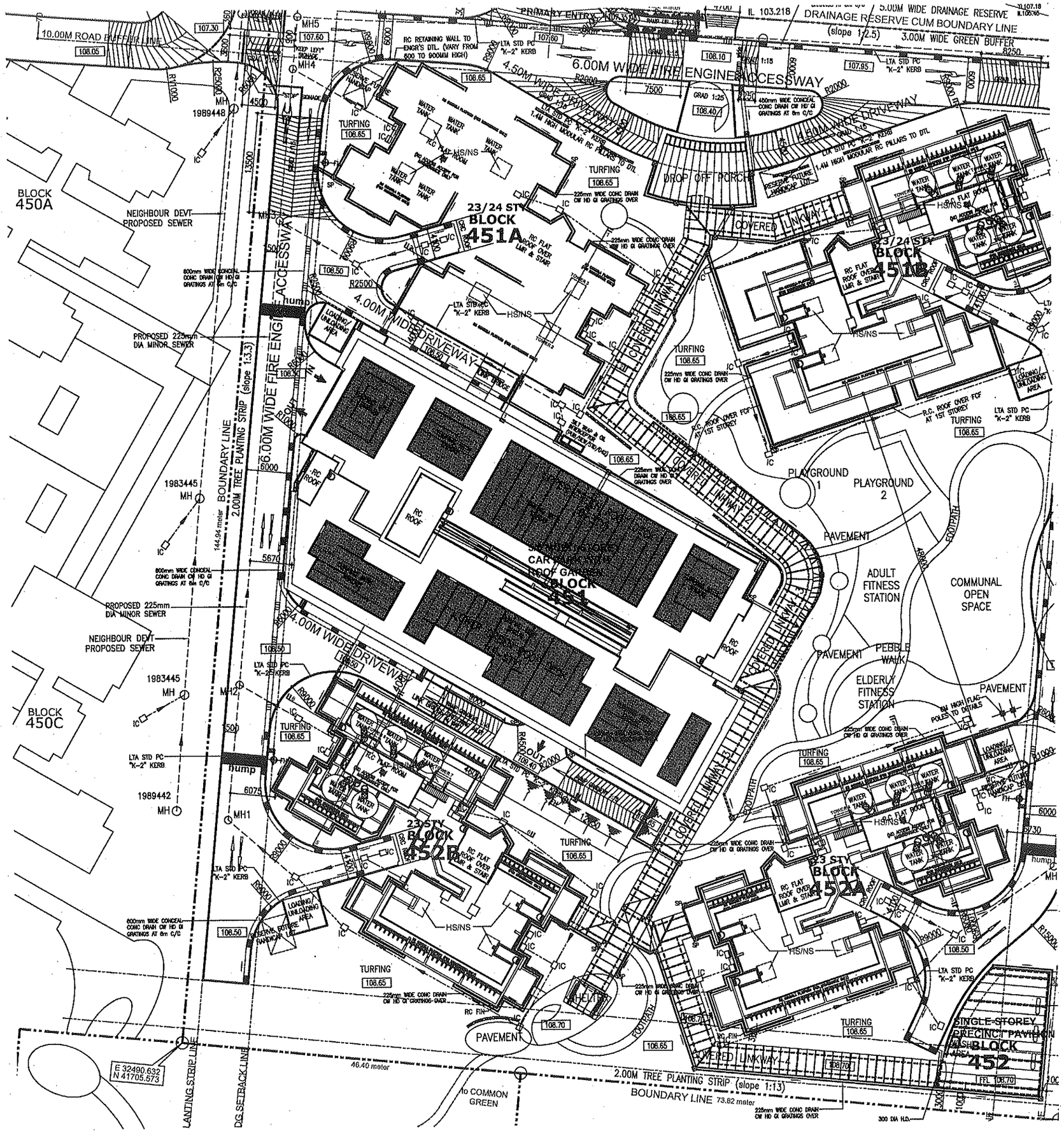
CASE STUDY 3

PROPOSED PUBLIC HOUSING DEVELOPMENT COMPRISING OF 2 BLOCKS OF 23-STOREY AND 2 BLOCKS OF 23/24-STOREY RESIDENTIAL BUILDING (TOTAL: 504 UNITS) WITH 1 BLOCK OF 5/6-STOREY MULTI-STOREY CARPARK, ESS, PRECINCT PAVILION & FUTURE COMMUNITY FACILITES

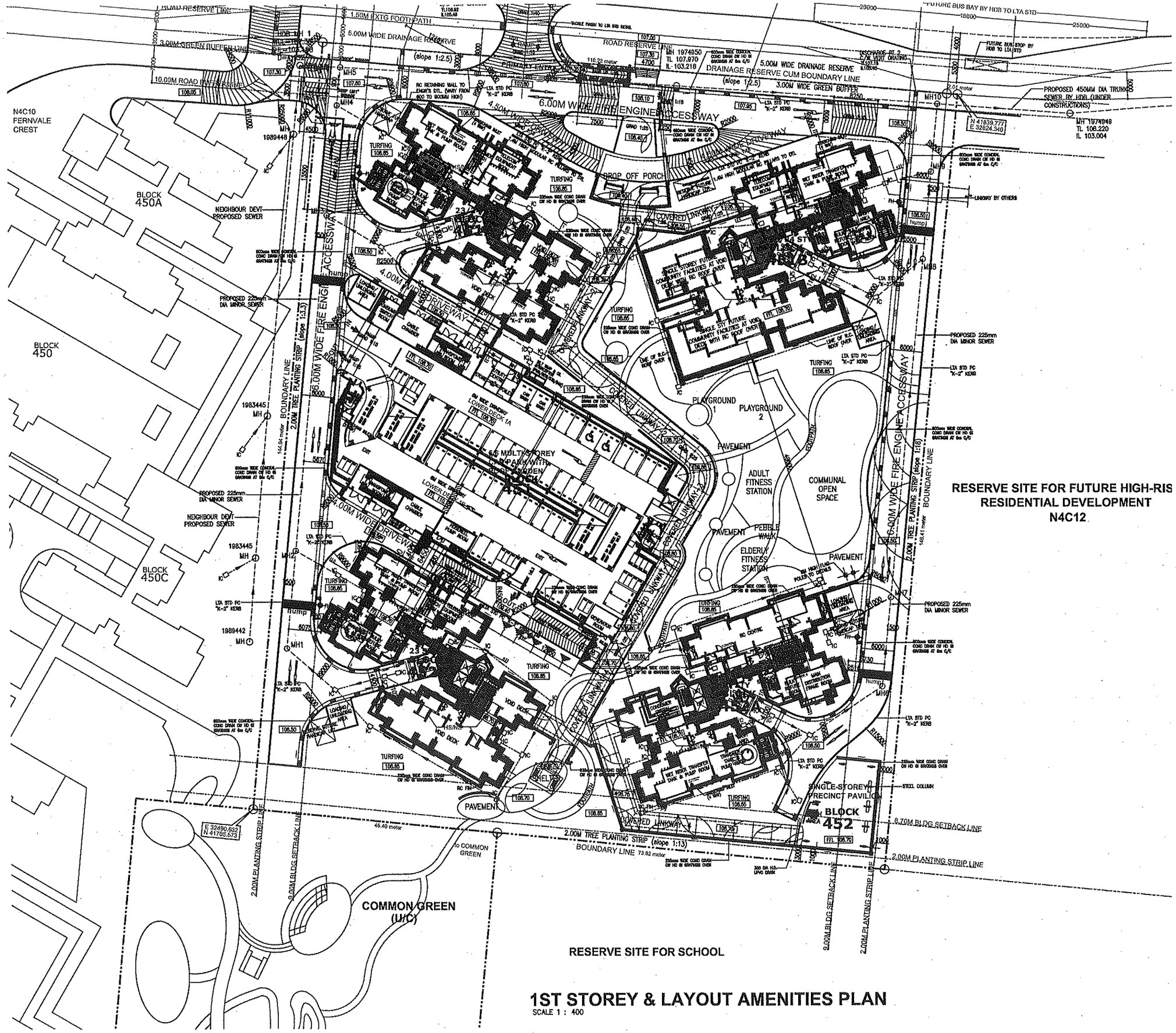
CD SHELTER ARCHITECTURAL PLANS

BCA-CD REQUIREMENTS

DATA OF HOUSEHOLD SHELTER						
DWELLING UNIT TYPE	GFA OF UNIT (m^2)	NO. OF HS	AREA OF HS (m^2)	NO. OF SQUARE UNITS#	VOLUME OF HS (m^2)	SHELTER TYPE*
4 ROOM	92.70	336	2.88	–	7.63	HA
5 ROOM	112.00	168	2.88	–	7.63	HA

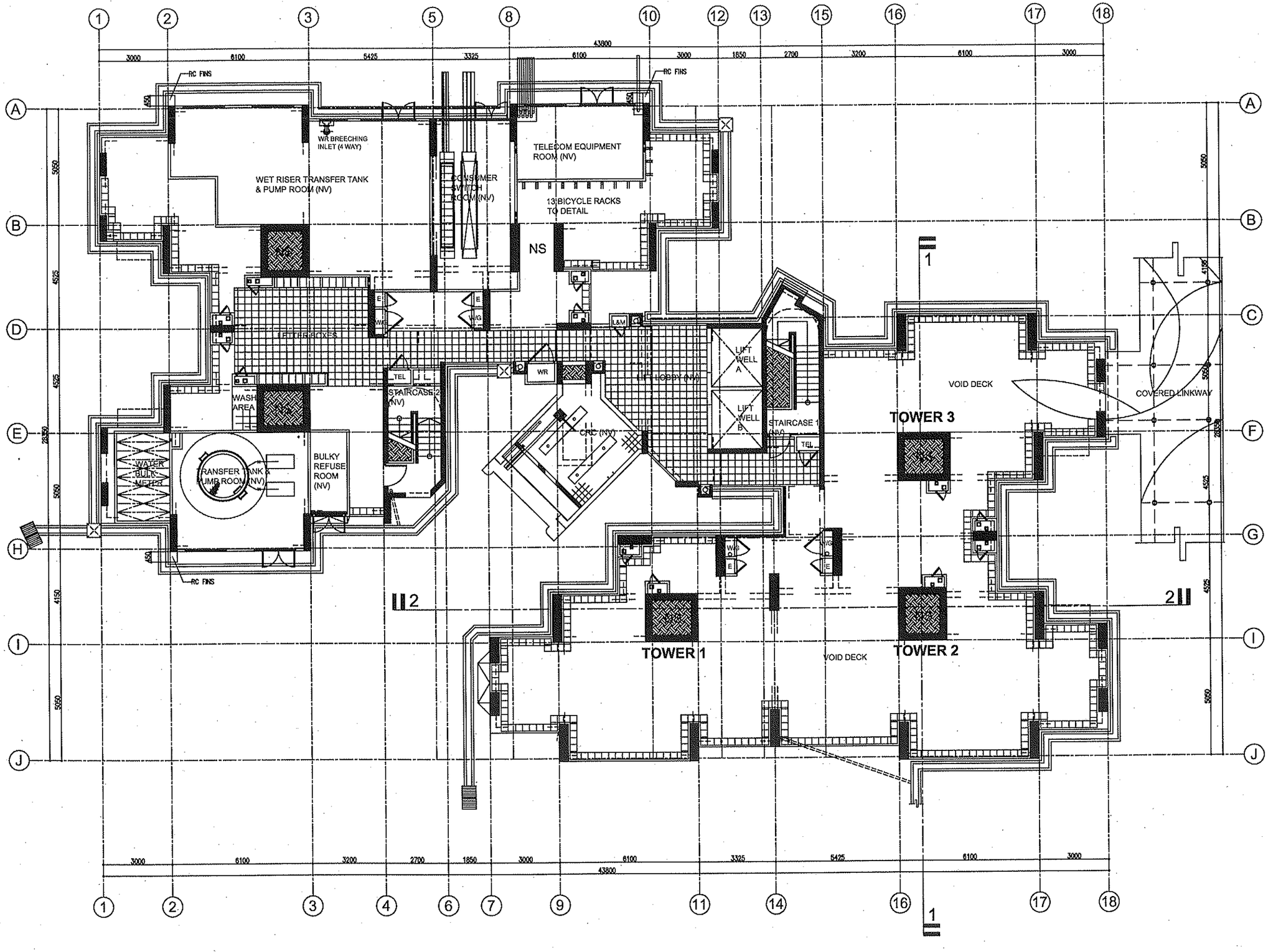


10.00M ROAD BUFFER LINE
PRIMARY ENTRY
5.00M WIDE DRAINAGE RESERVE
DRAINAGE RESERVE CUM BOUNDARY LINE
(slope 1:2.5)
3.00M WIDE GREEN BUFFER
6.00M WIDE FIRE ENGINE ACCESSWAY
4.50M WIDE DRIVEWAY
4.00M WIDE DRIVEWAY
BLOCK 450A
BLOCK 450C
NEIGHBOUR DEVT PROPOSED SEWER
PROPOSED 225mm DIA MINOR SEWER
23/24 STY BLOCK 451A
23/24 STY BLOCK 451B
23 STY BLOCK 452B
23 STY BLOCK 452A
BLOCK 451
BLOCK 452
DROP OFF PORCH
COVERED LINKWAY
PLAYGROUND 1
PLAYGROUND 2
PAVEMENT
ADULT FITNESS STATION
COMMUNAL OPEN SPACE
PEBBLE WALK
ELDERLY FITNESS STATION
SINGLE-STOREY PRECINCT PAVILION
BOUNDARY LINE
2.00M TREE PLANTING STRIP (slope 1:3.3)
2.00M TREE PLANTING STRIP (slope 1:13)
BOUNDARY LINE 73.82 meter
46.40 meter
to COMMON GREEN
E 32490.632
N 41705.573



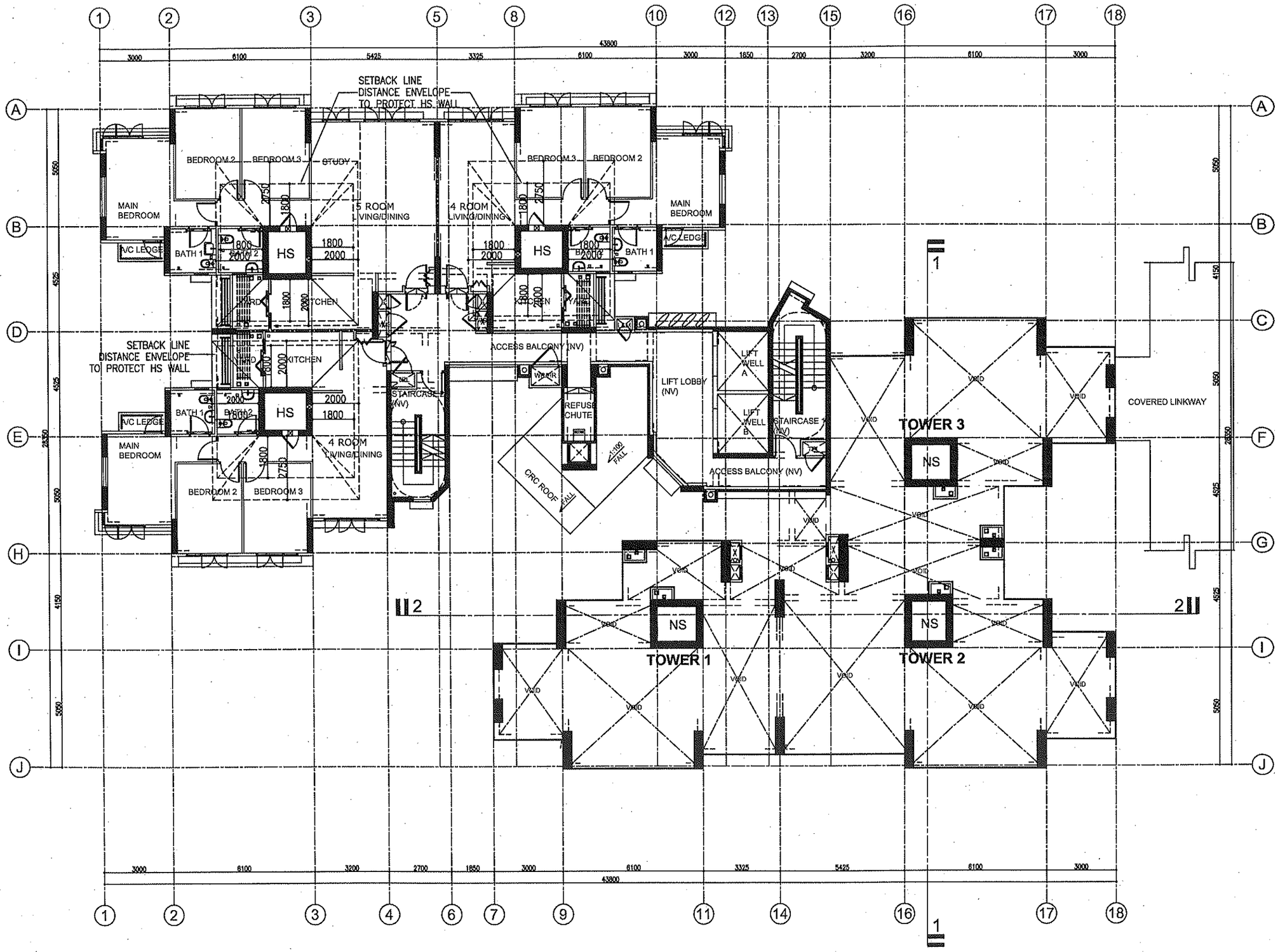
1ST STOREY & LAYOUT AMENITIES PLAN

SCALE 1 : 400



(BLOCK 451A)
1ST STOREY PLAN

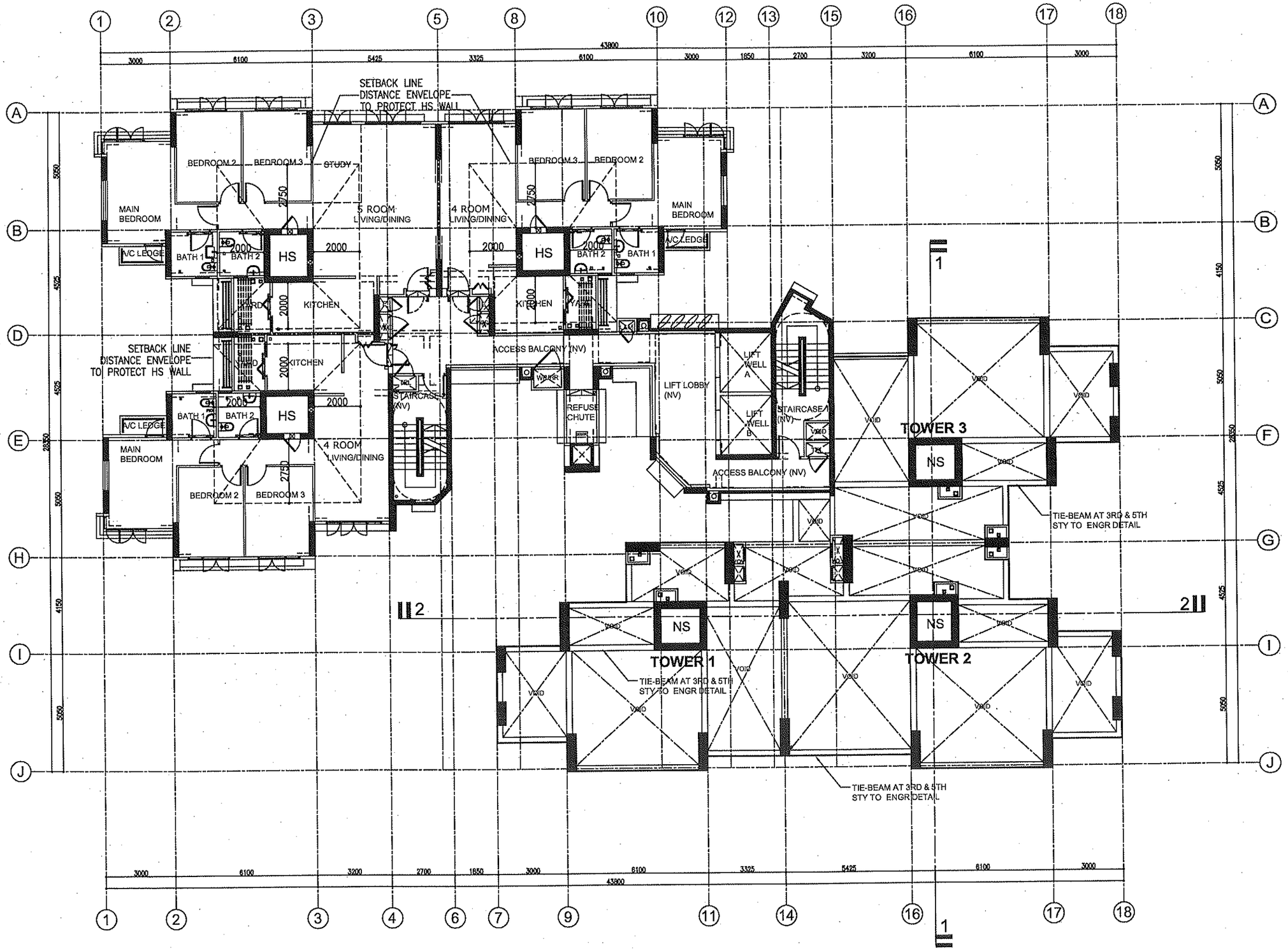
SCALE 1 : 200



(BLOCK 451A)

2ND STOREY PLAN

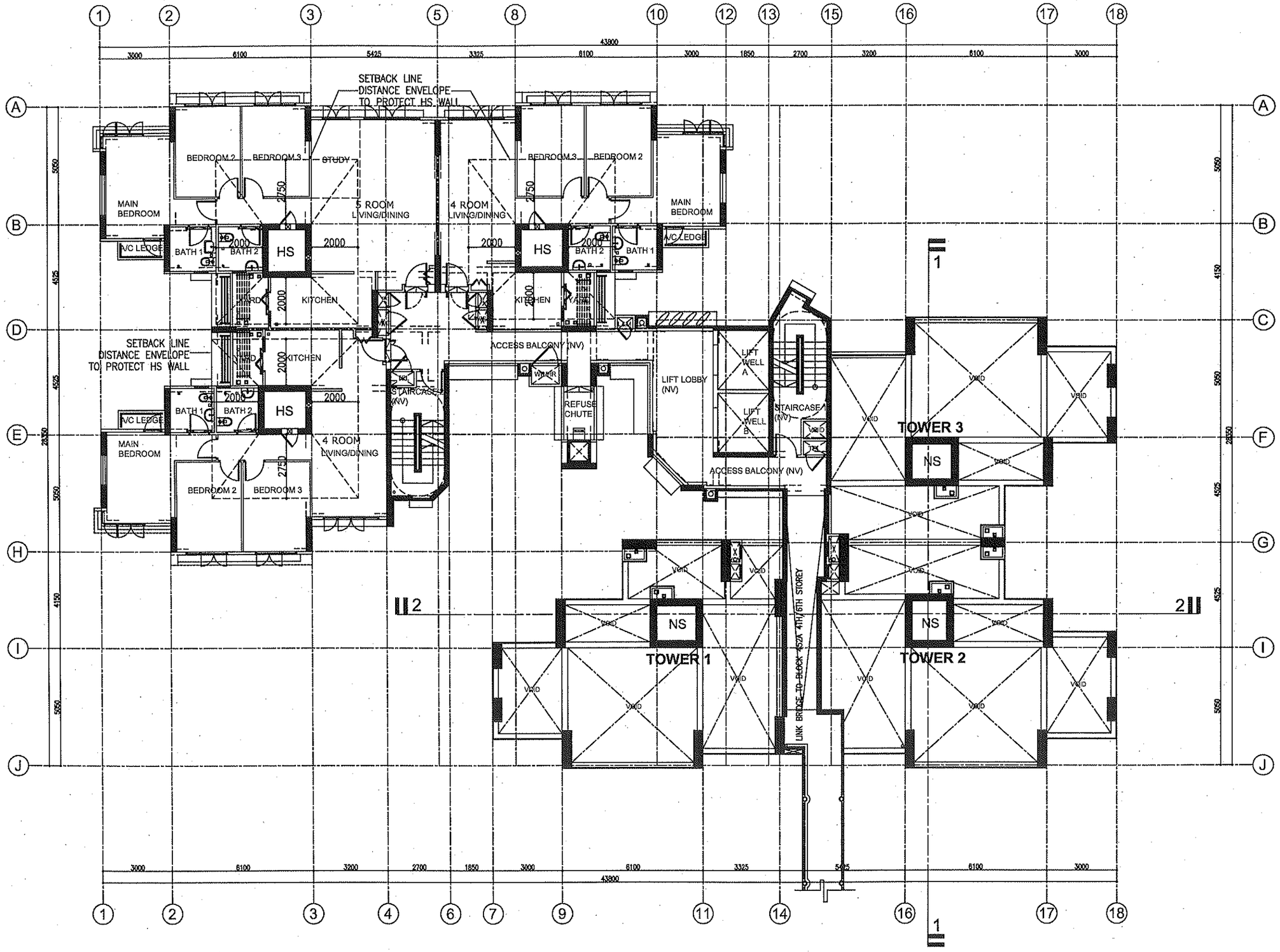
SCALE 1 : 200



(BLOCK 451A)

3RD/5TH STOREY PLAN

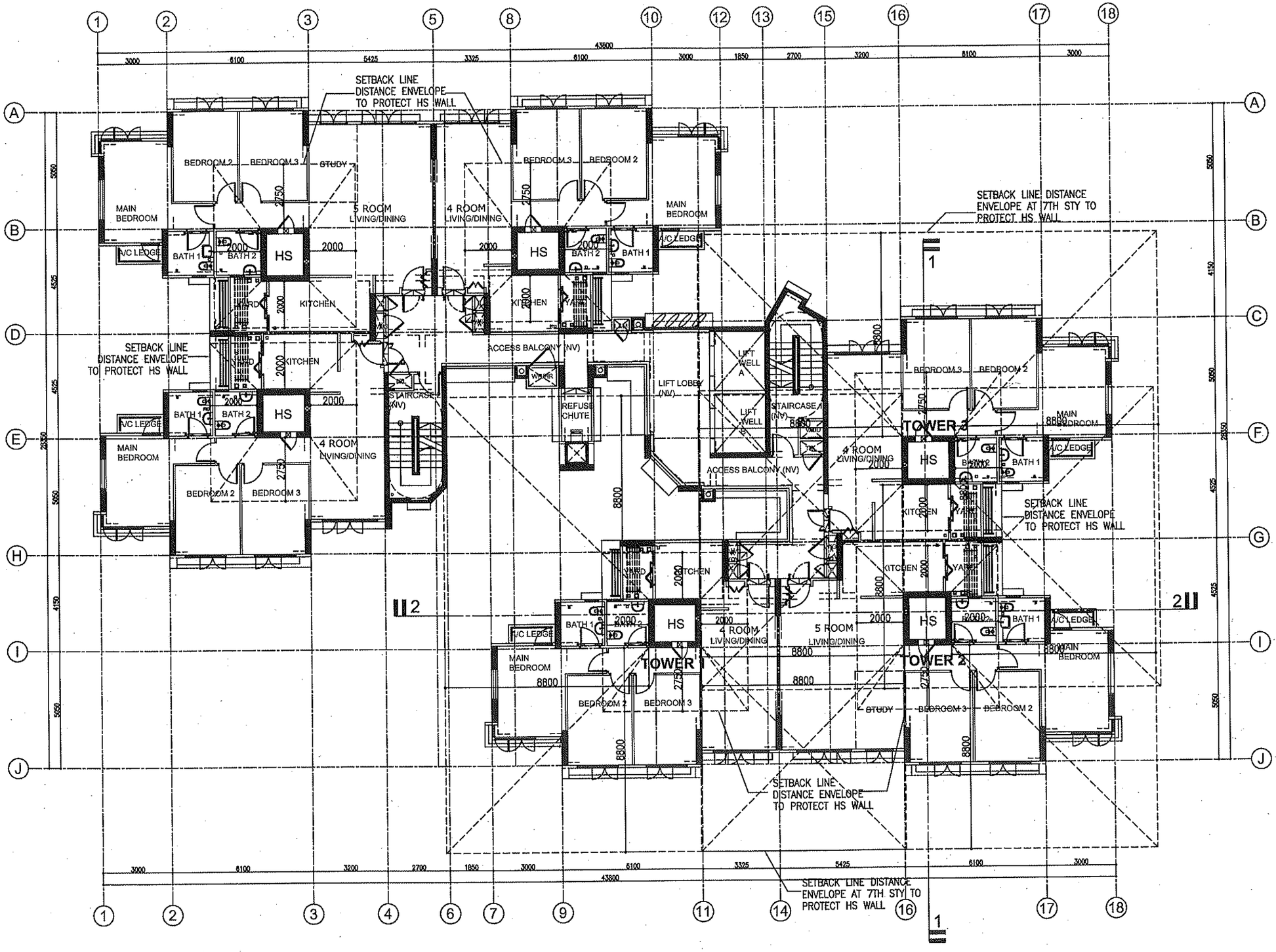
SCALE 1 : 200



(BLOCK 451A)

4TH/6TH STOREY PLAN

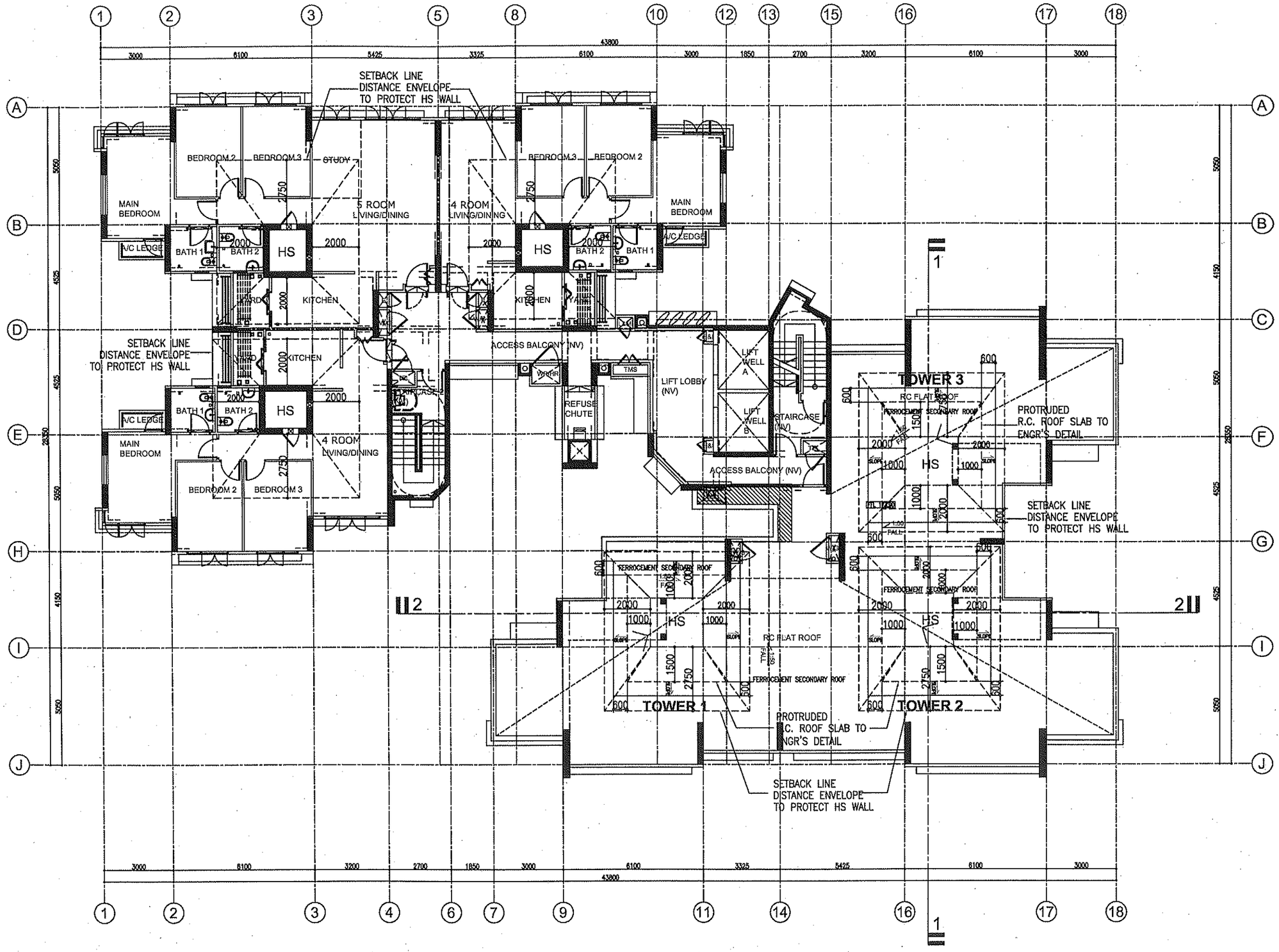
SCALE 1 : 200



(BLOCK 451A)

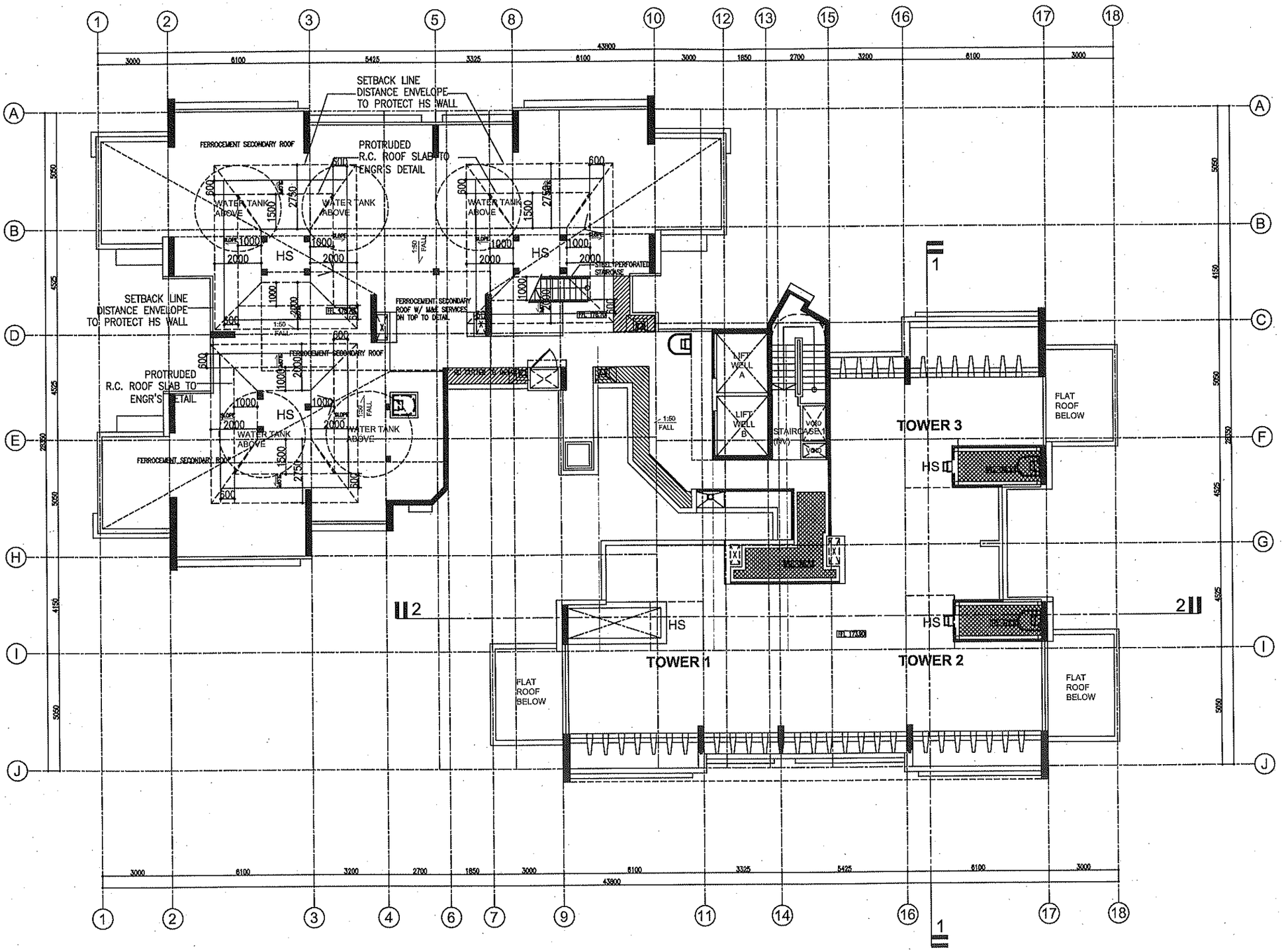
7TH TO 23RD STOREY PLAN

SCALE 1 : 200



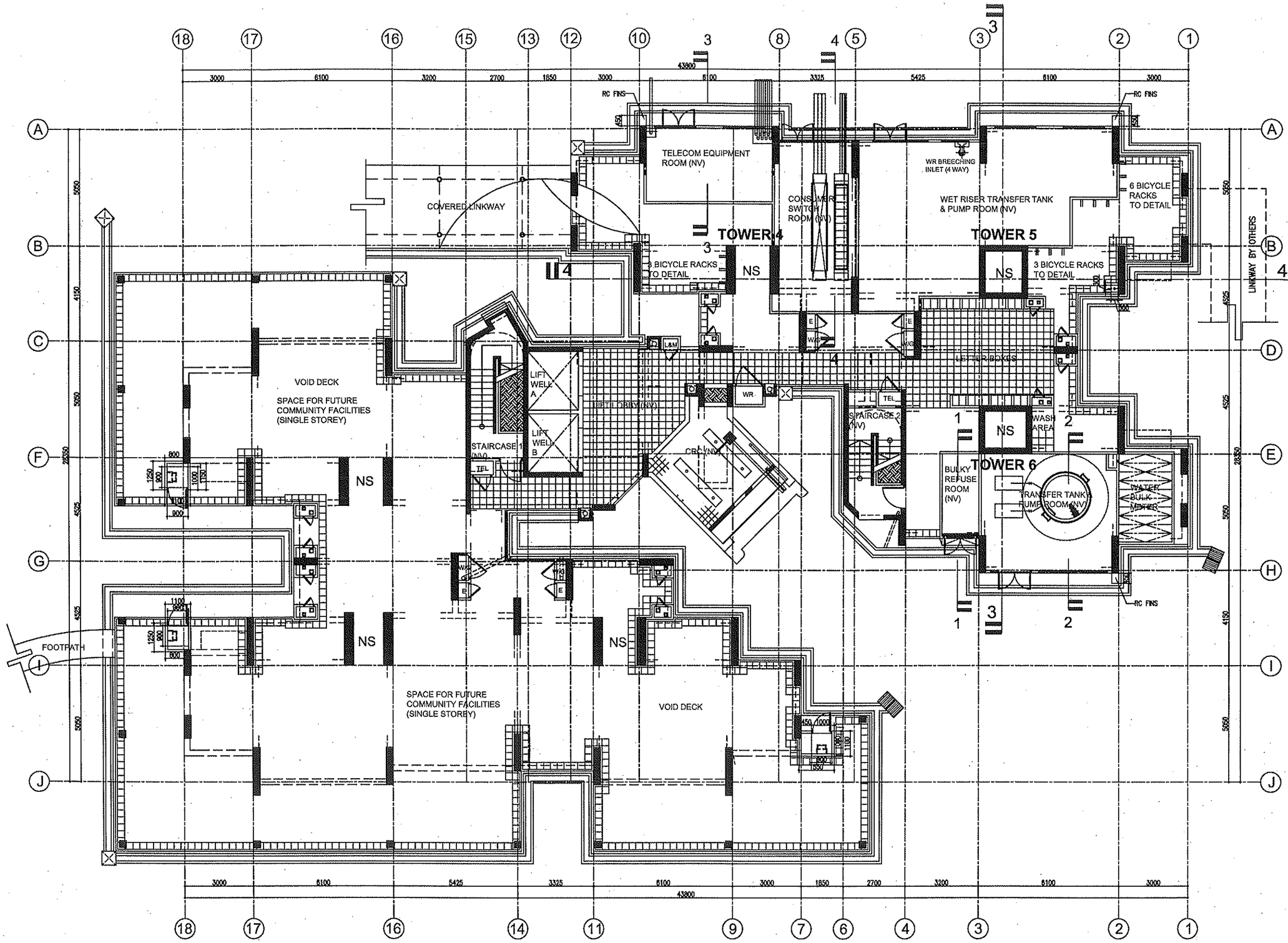
(BLOCK 451A)
24TH STOREY PLAN

SCALE 1 : 200



(BLOCK 451A)
ROOF PLAN

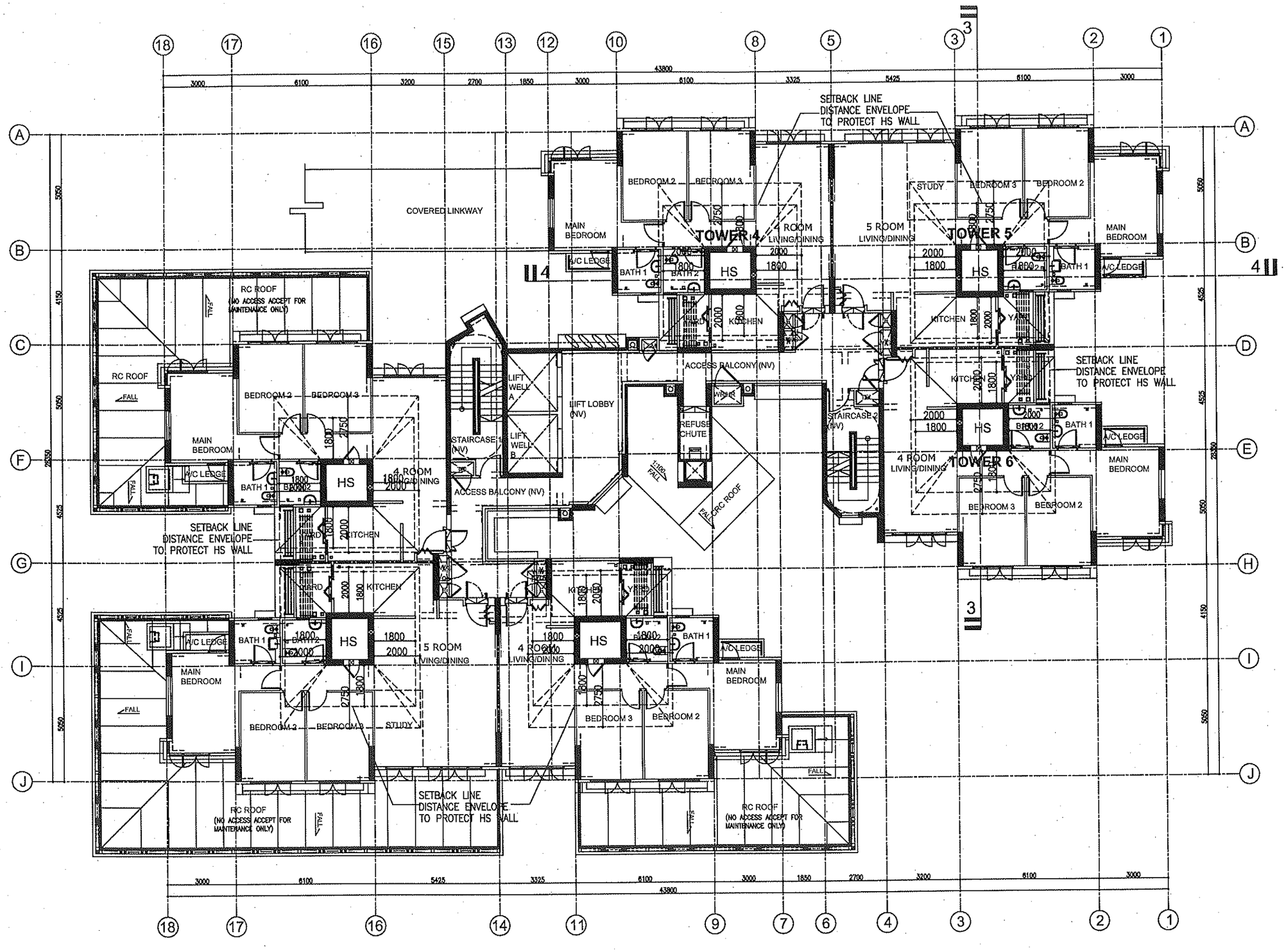
SCALE 1 : 200



(BLOCK 451B)

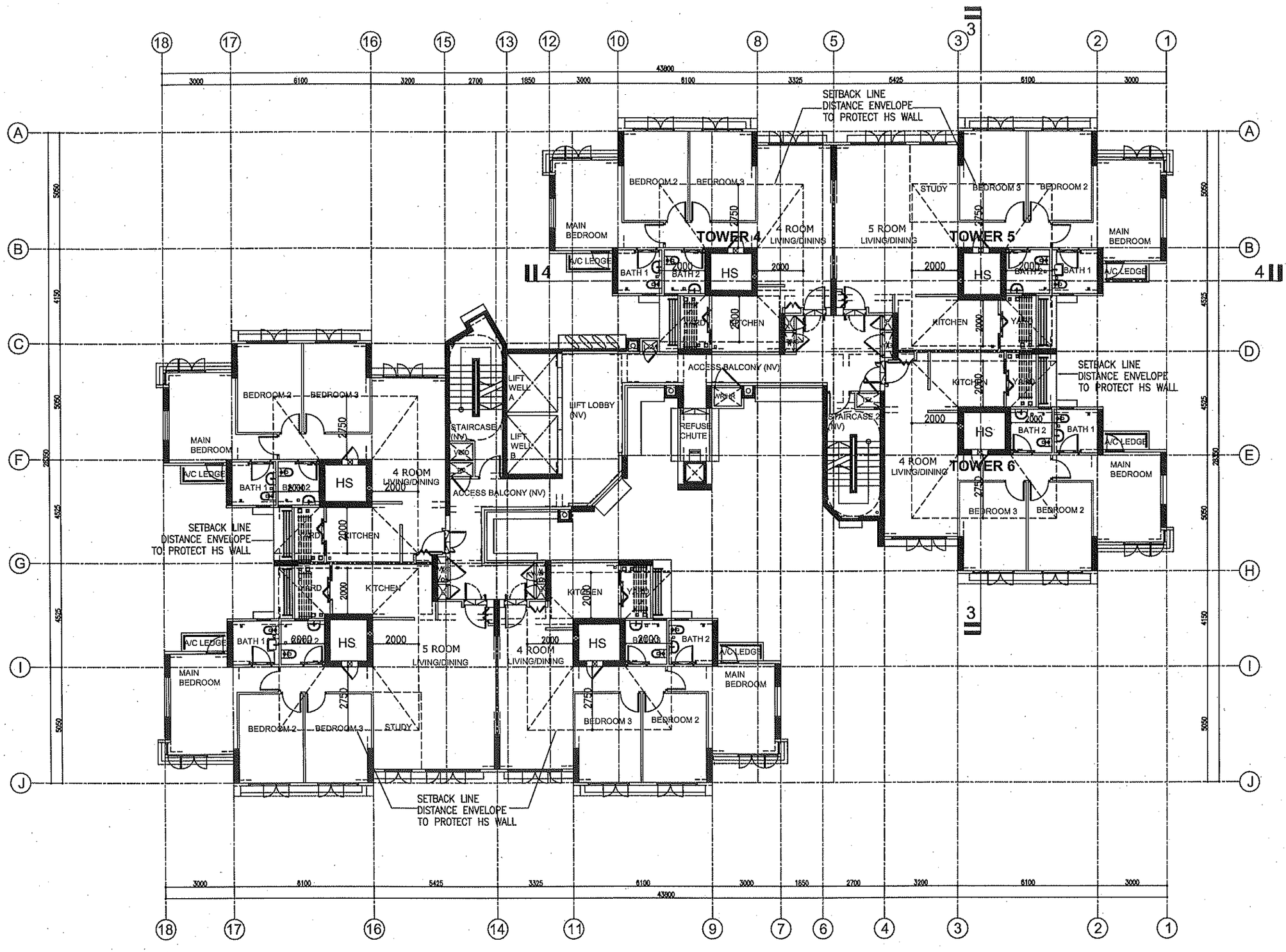
1ST STOREY PLAN

SCALE 1 : 200



(BLOCK 451B)
2ND STOREY PLAN

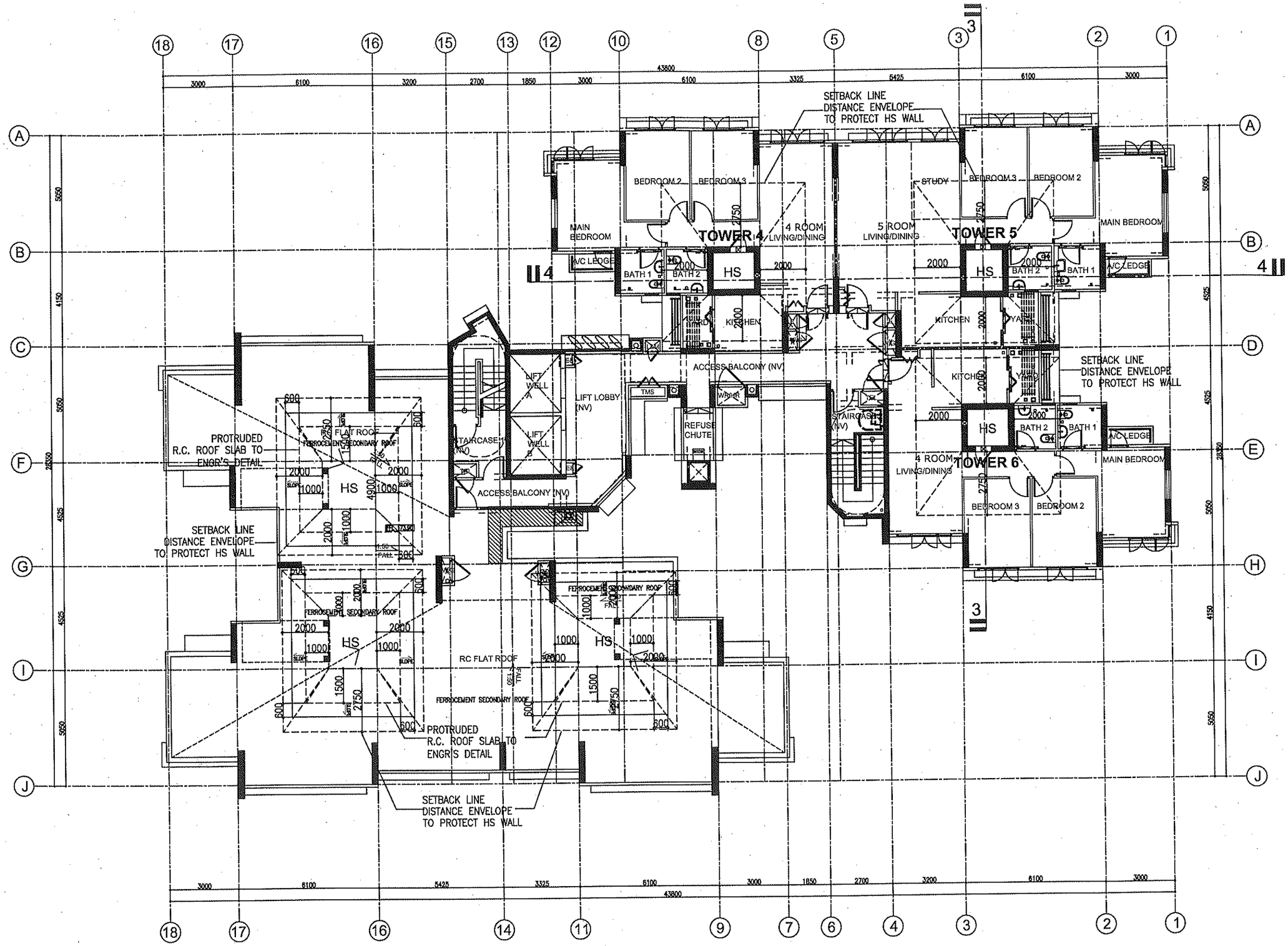
SCALE 1 : 200



(BLOCK 451B)

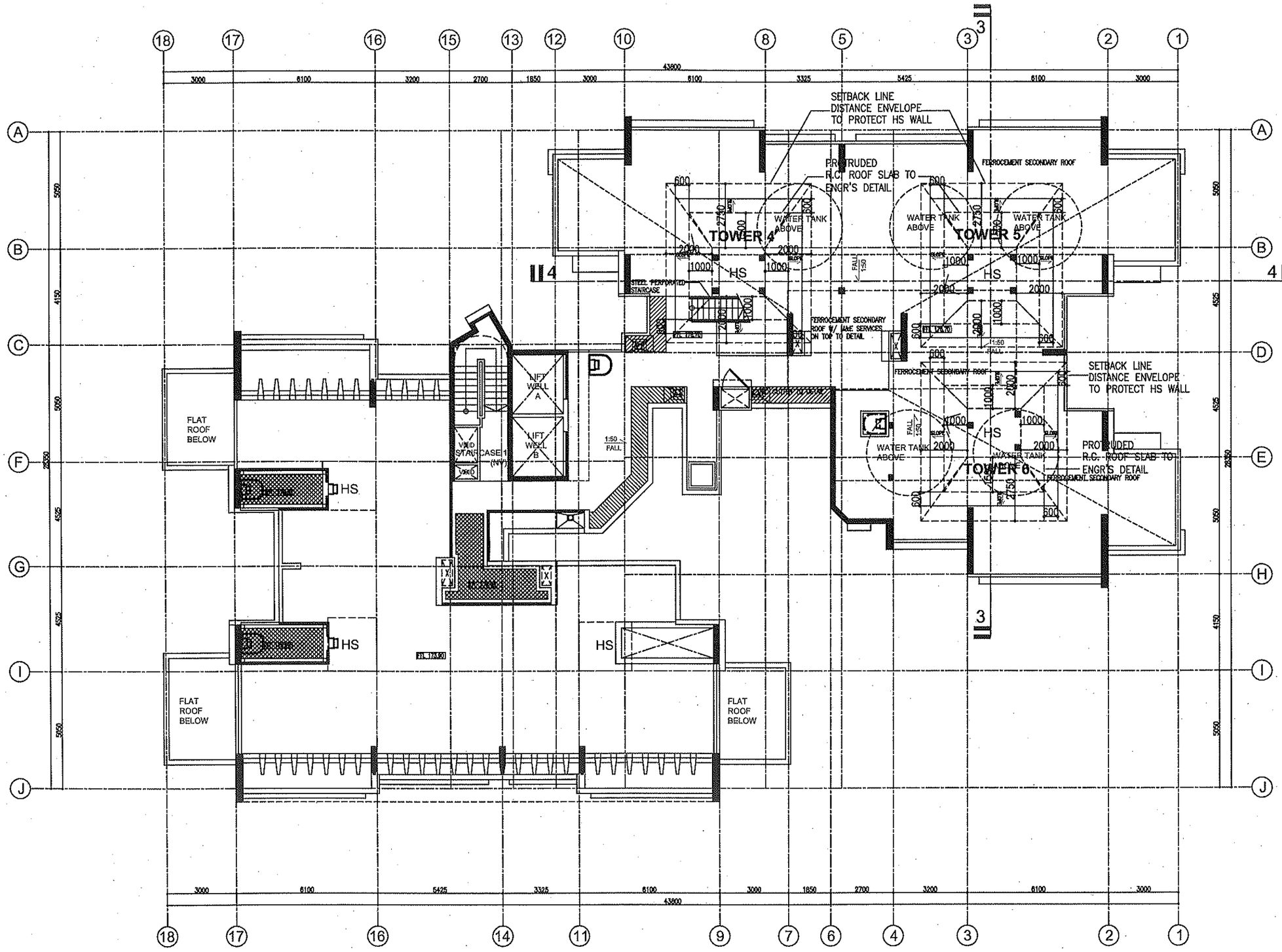
3RD TO 23RD STOREY PLAN

SCALE 1 : 200



(BLOCK 451B)
24TH STOREY PLAN

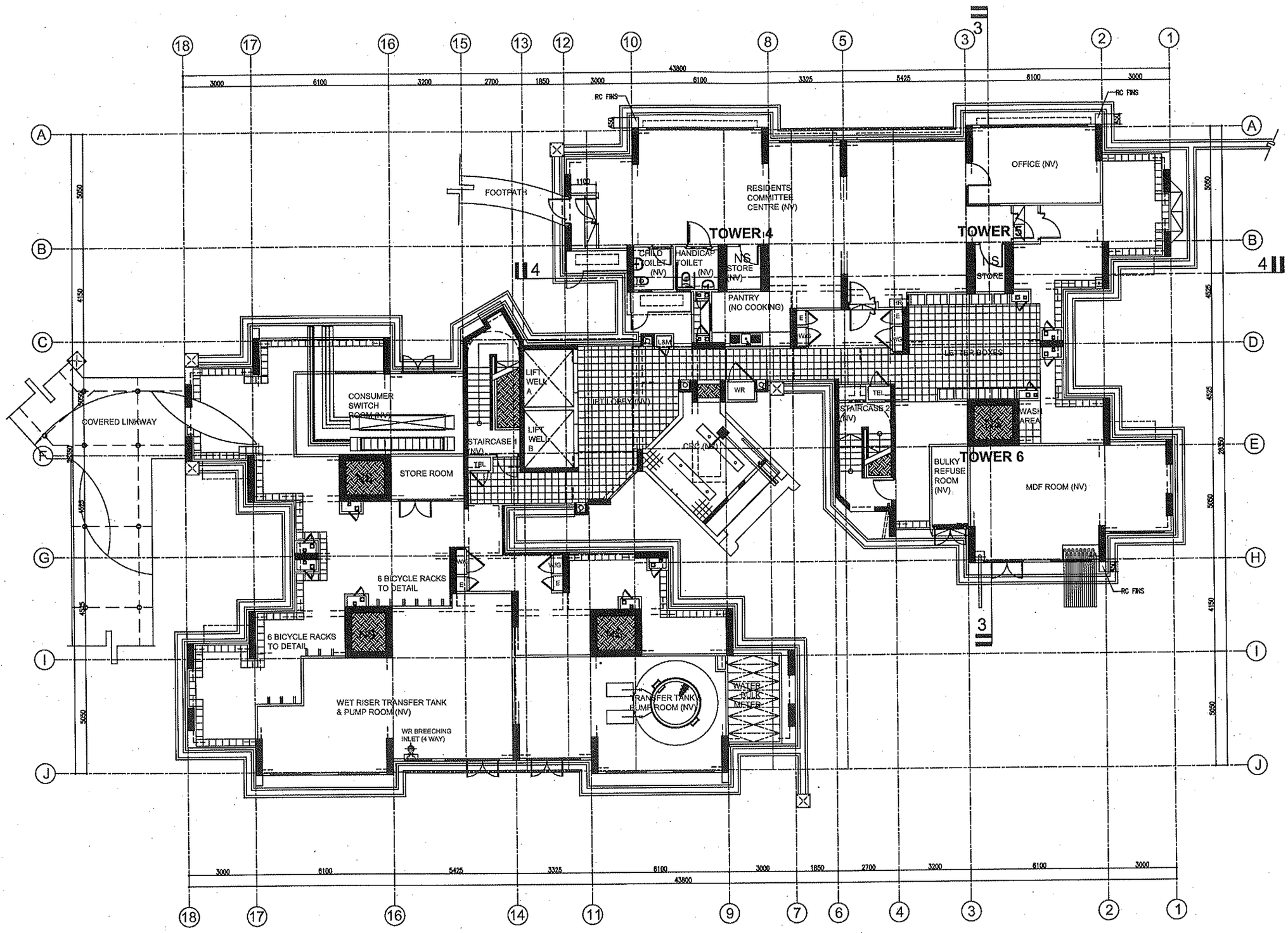
SCALE 1 : 200



(BLOCK 451B)

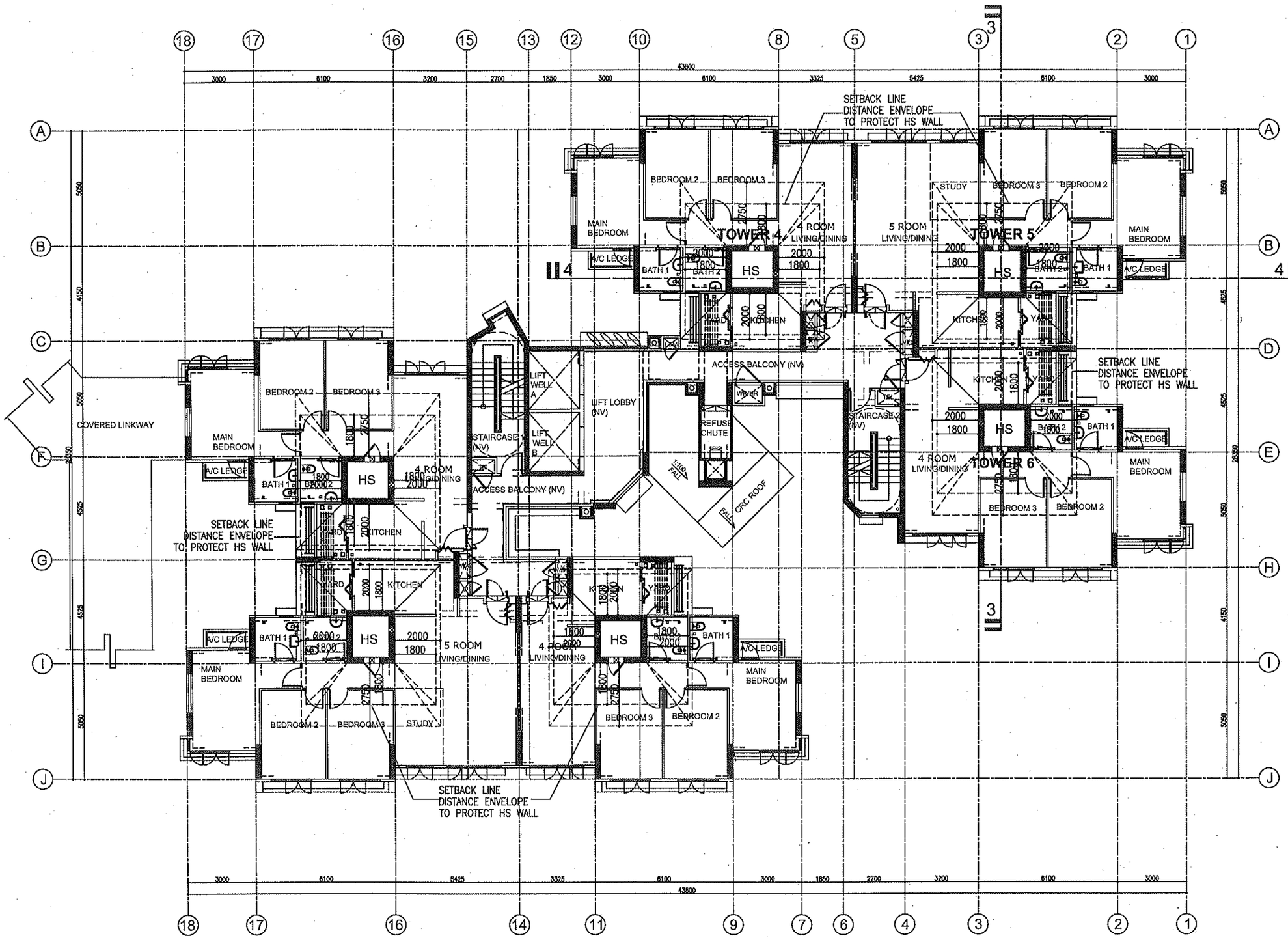
ROOF PLAN

SCALE 1 : 200



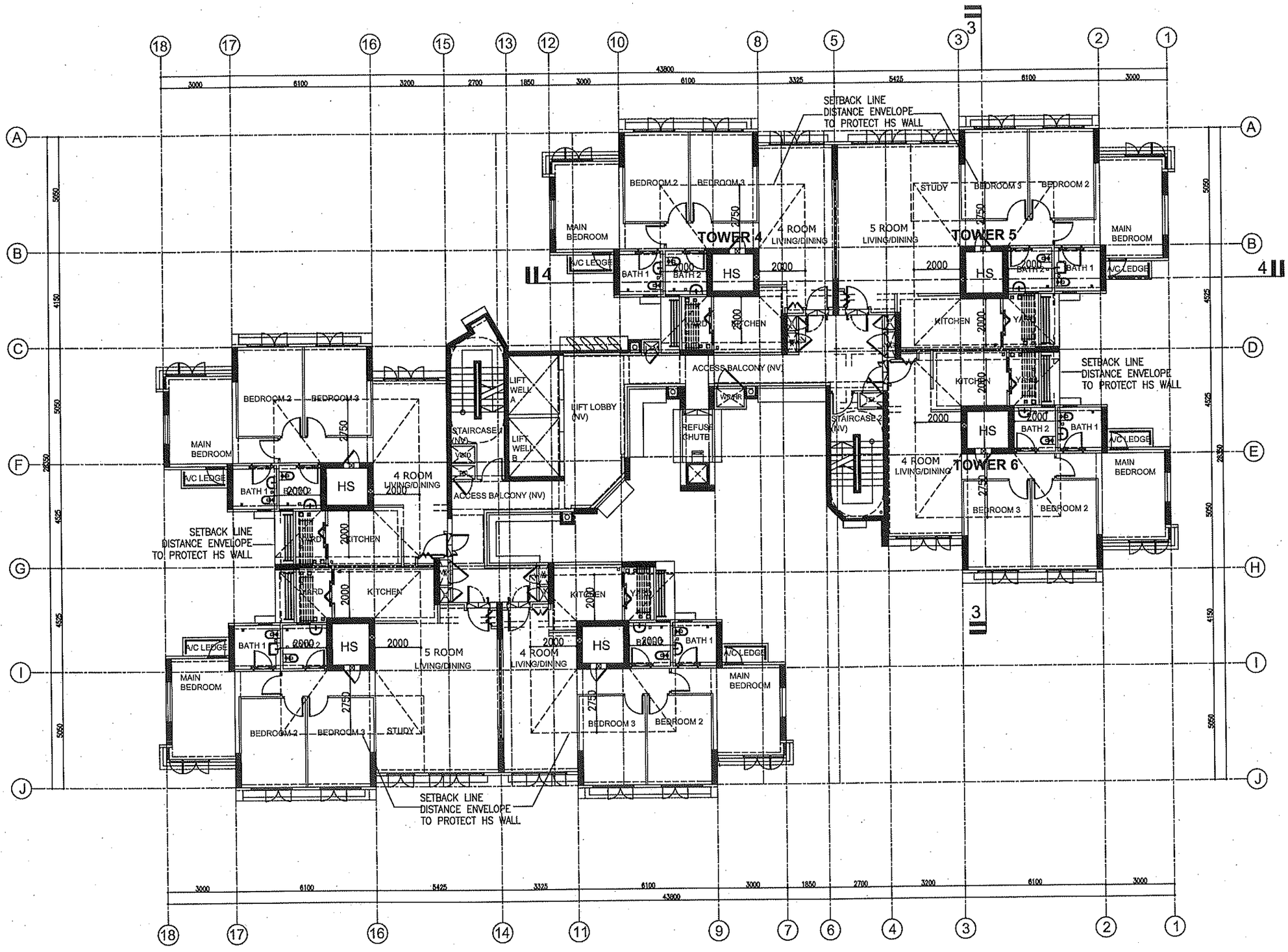
(BLOCK 452A)
1ST STOREY PLAN

SCALE 1 : 200



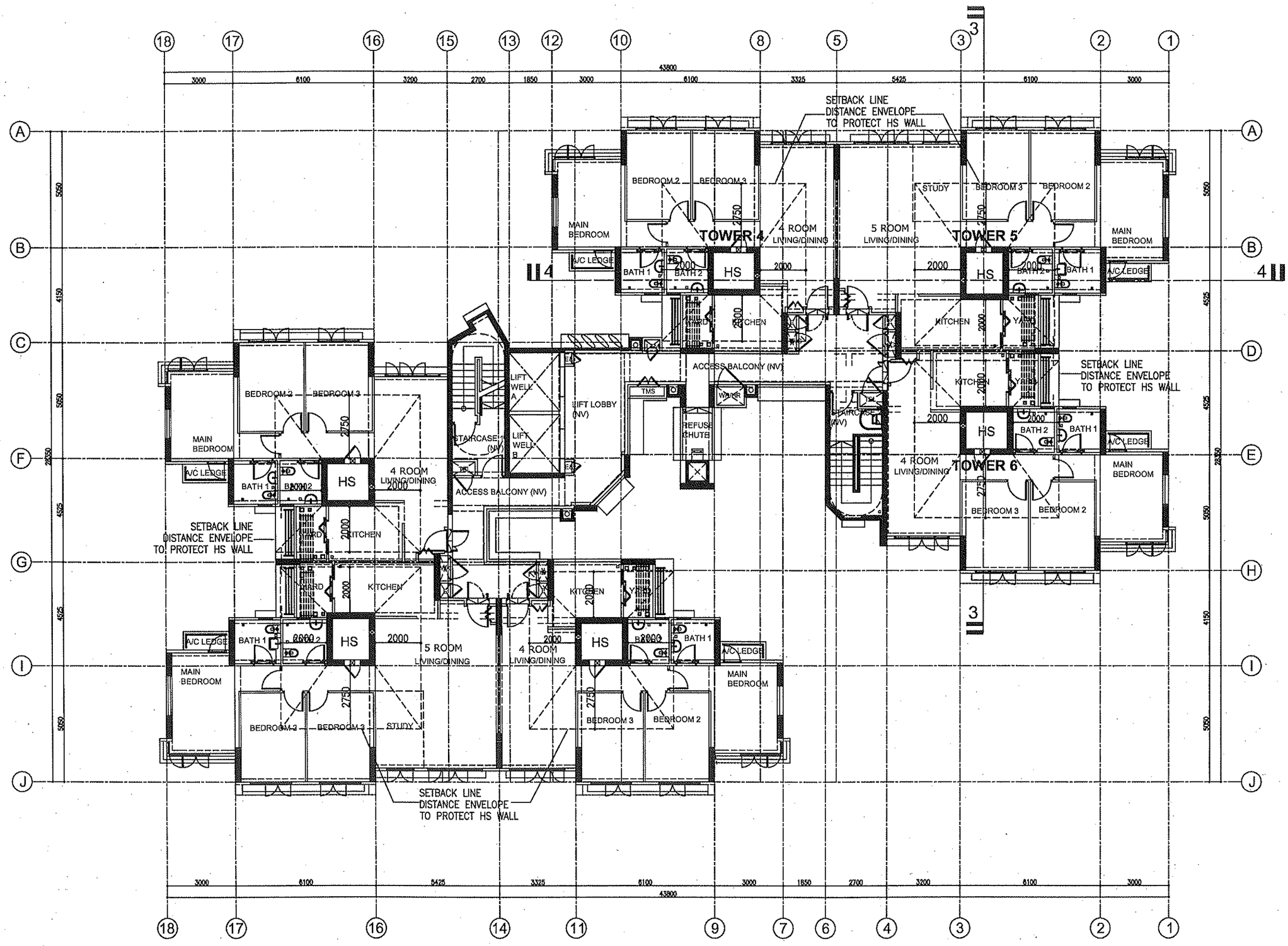
(BLOCK 452A)
2ND STOREY PLAN

SCALE 1 : 200



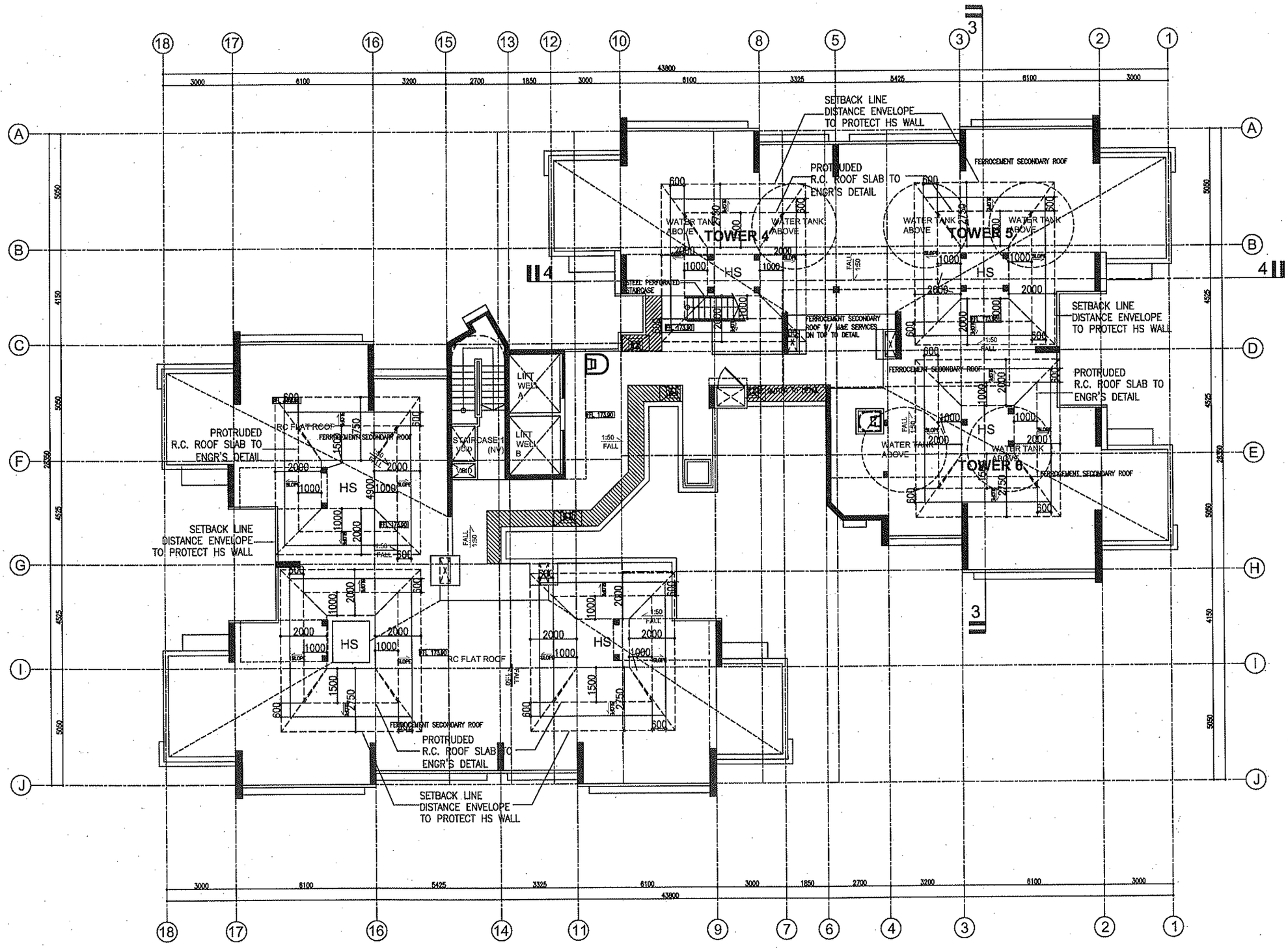
(BLOCK 452A)
3RD TO 22ND STOREY PLAN

SCALE 1 : 200



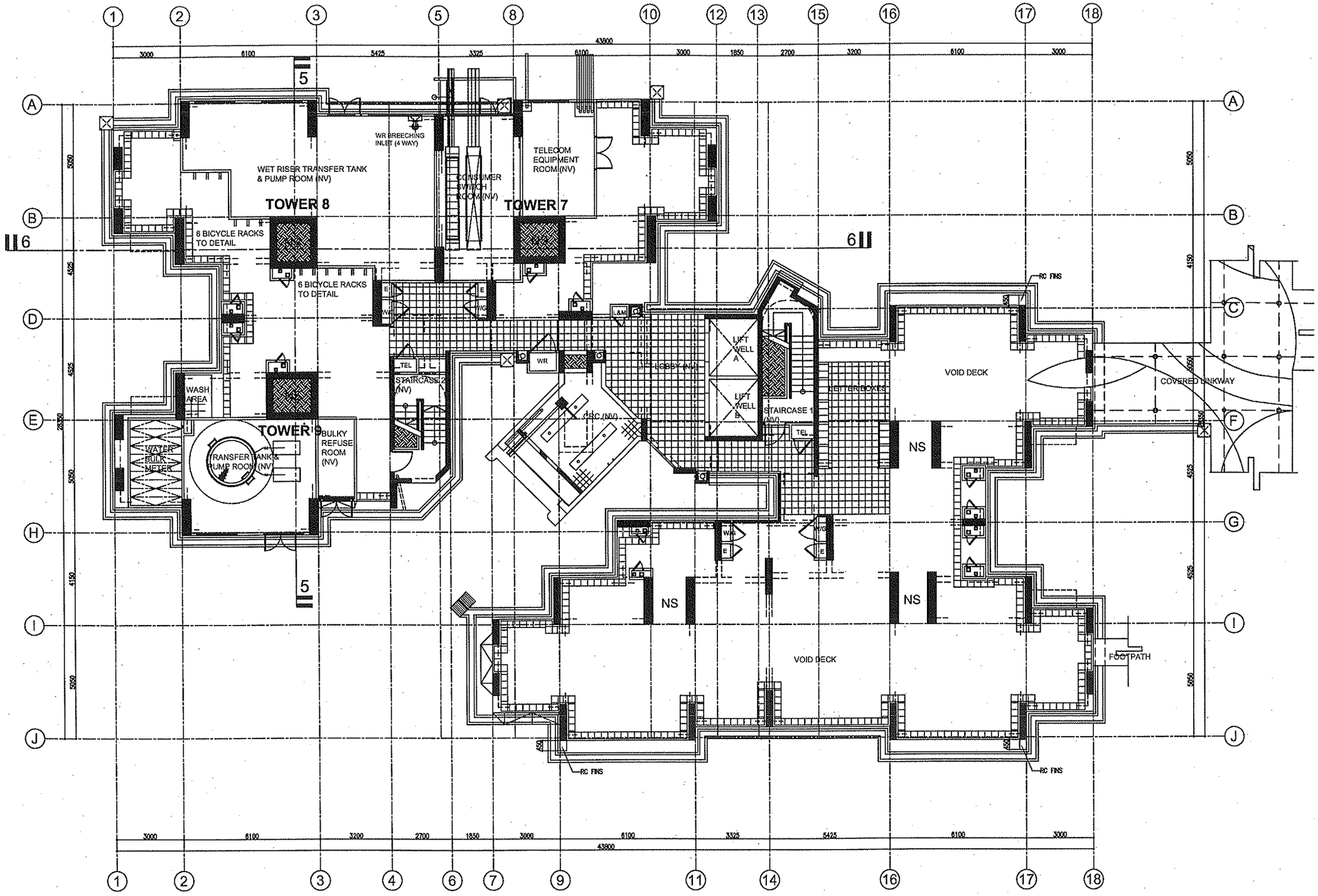
(BLOCK 452A)
23RD STOREY PLAN

SCALE 1 : 200



(BLOCK 452A)
ROOF PLAN

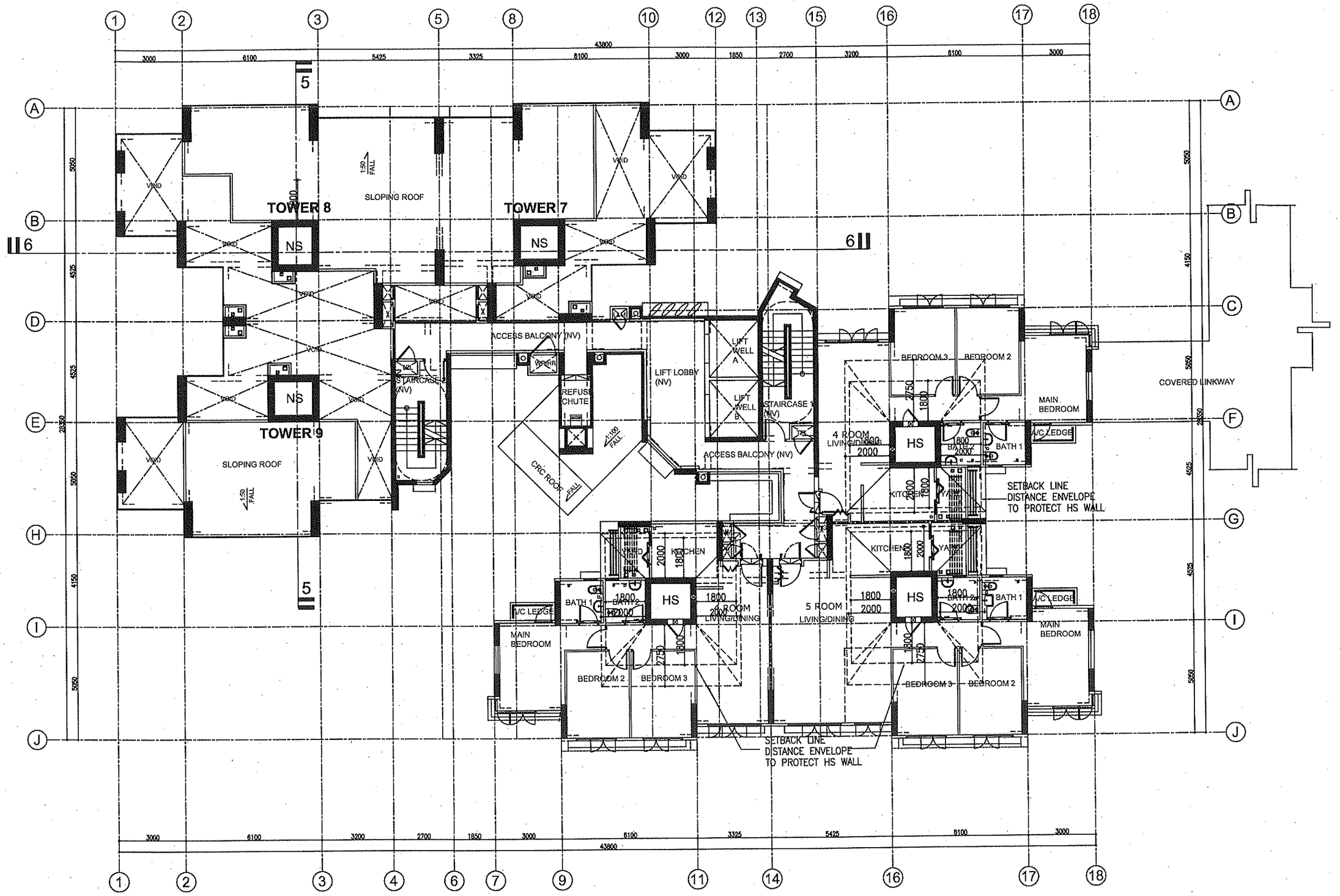
SCALE 1 : 200



(BLOCK 452B)

1ST STOREY PLAN

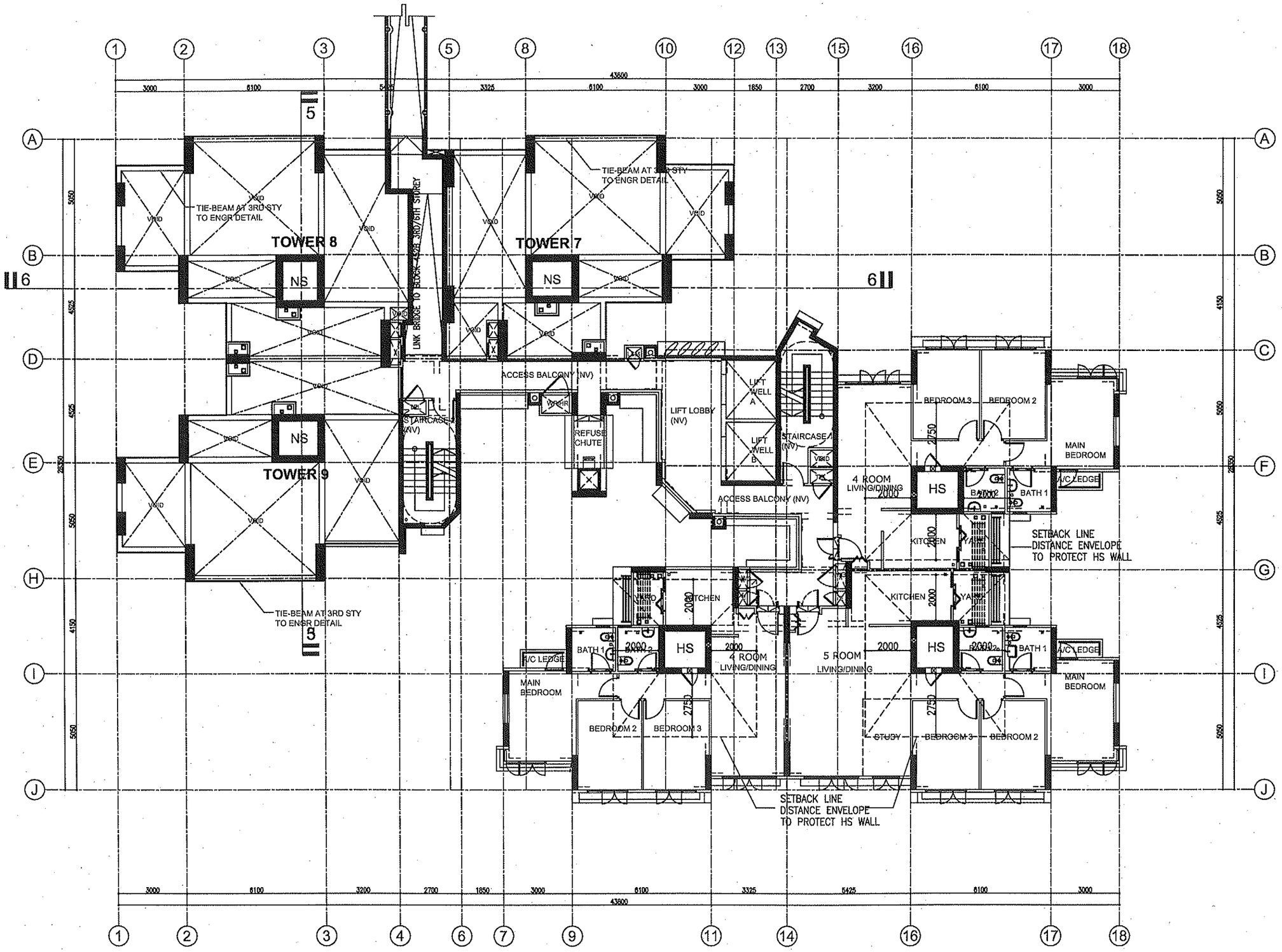
SCALE 1 : 200



(BLOCK 452B)

2ND STOREY PLAN

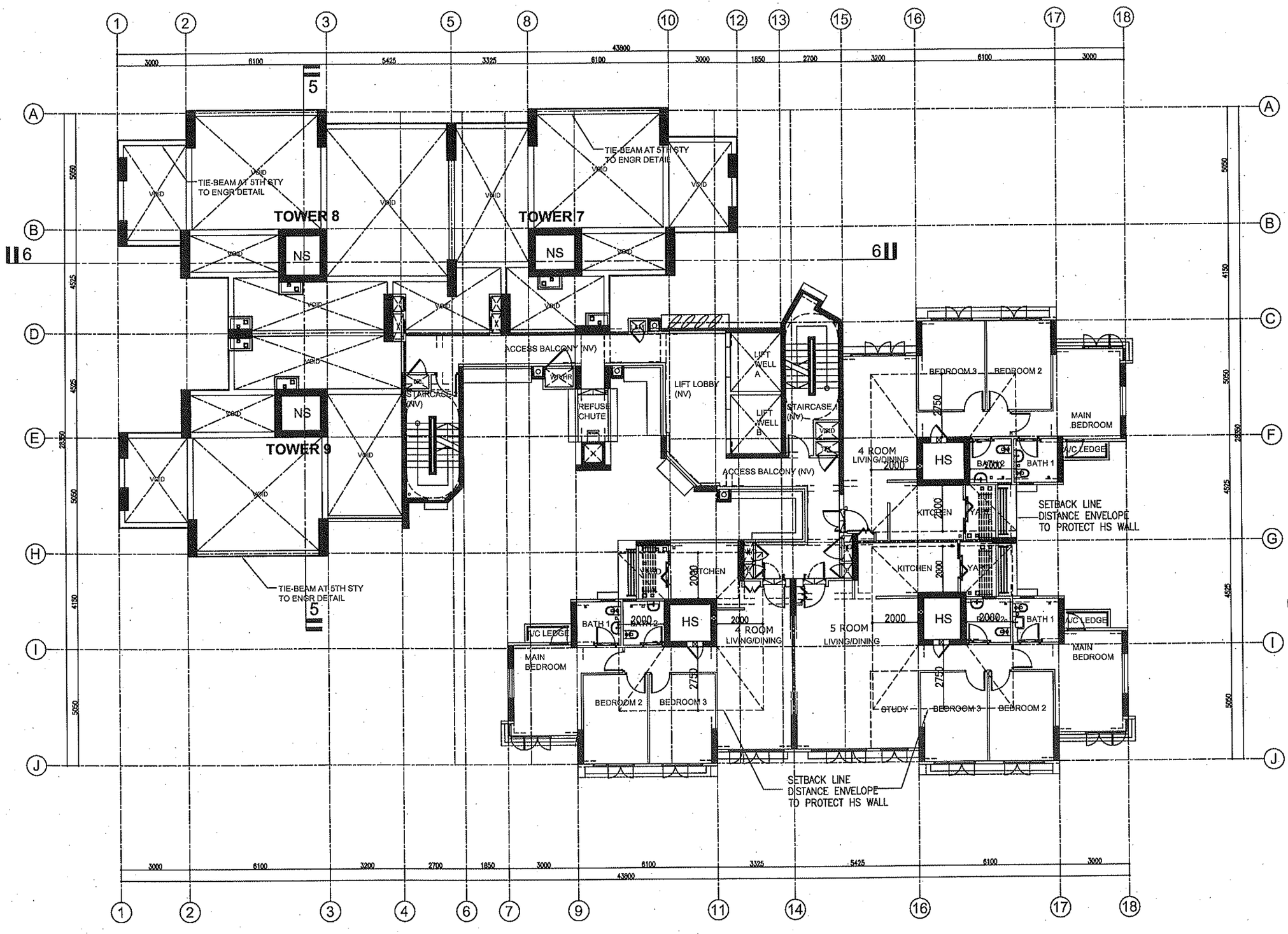
SCALE 1 : 200



(BLOCK 452B)

3RD/6TH STOREY PLAN

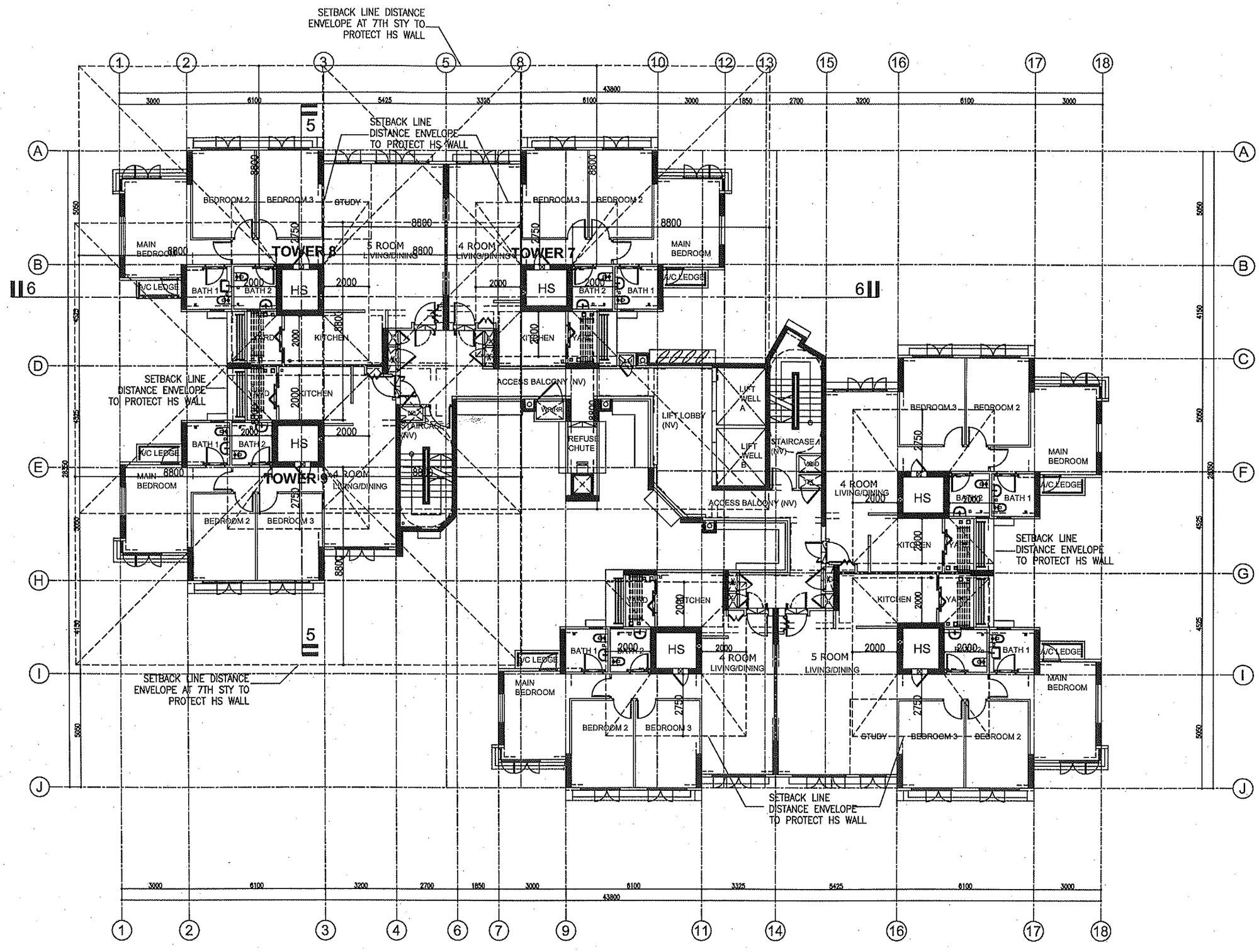
SCALE 1 : 200



(BLOCK 452B)

4TH/5TH STOREY PLAN

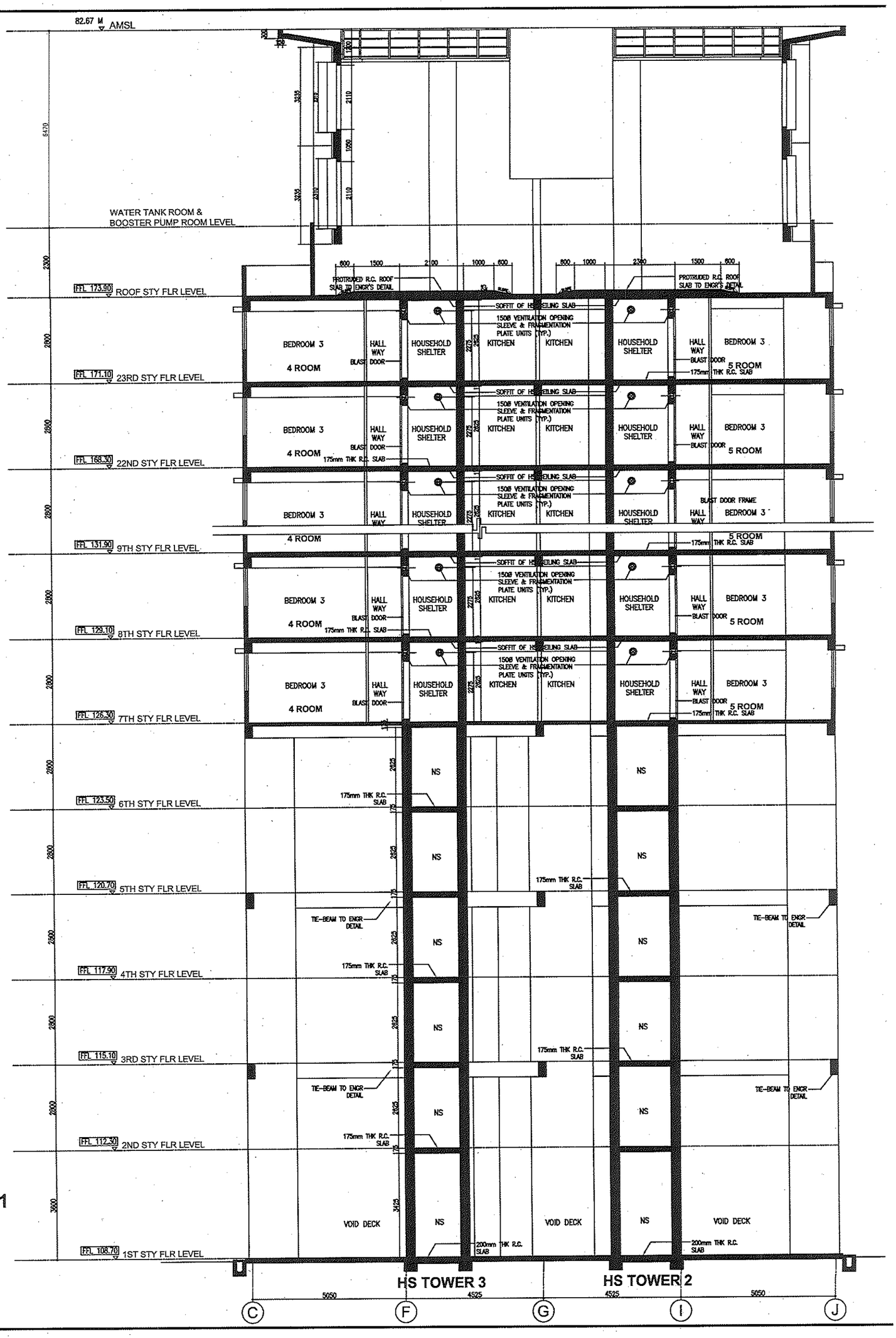
SCALE 1 : 200



(BLOCK 452B)

7TH TO 22ND STOREY PLAN

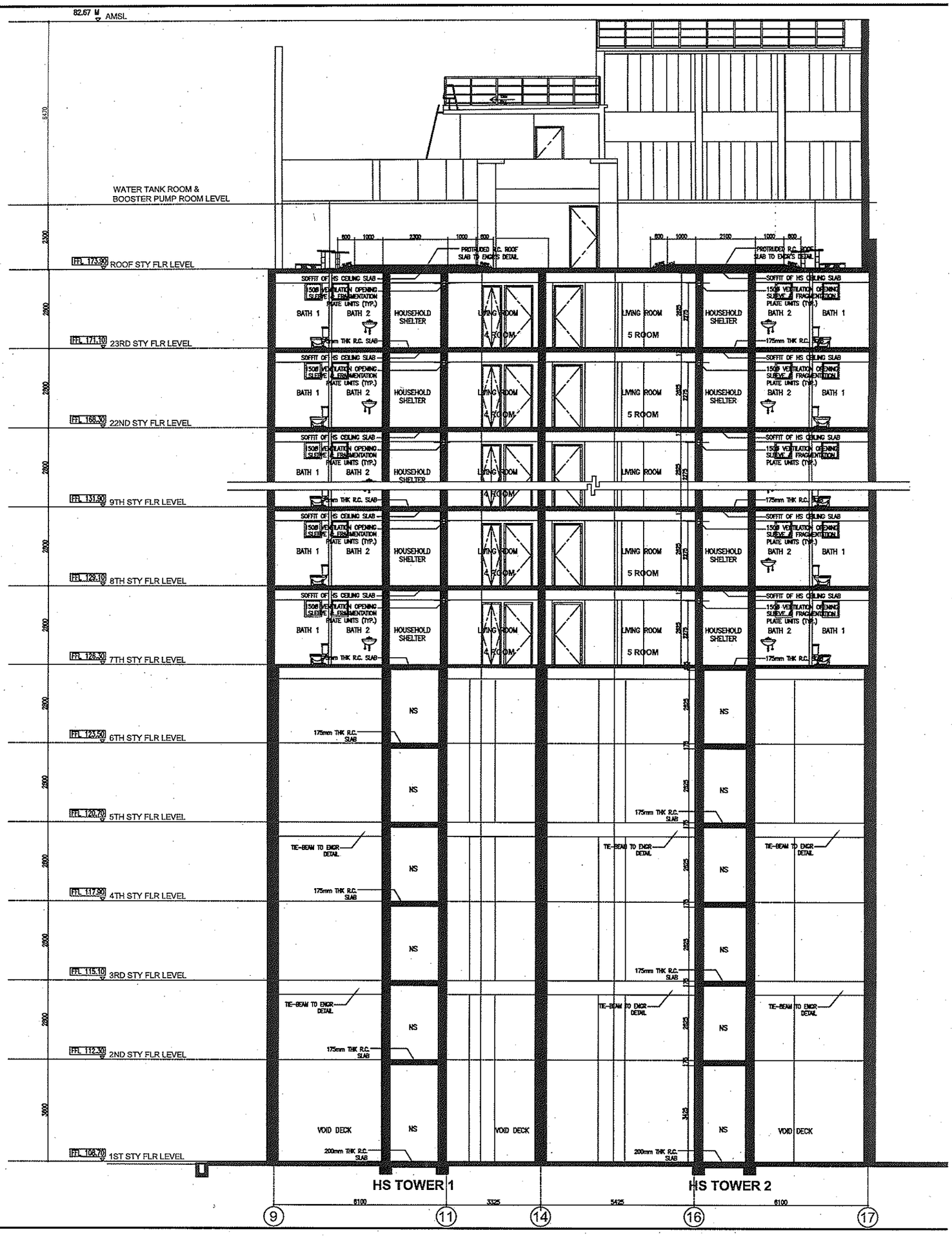
SCALE 1 : 200



(BLOCK 451A)

SECTION 1-1

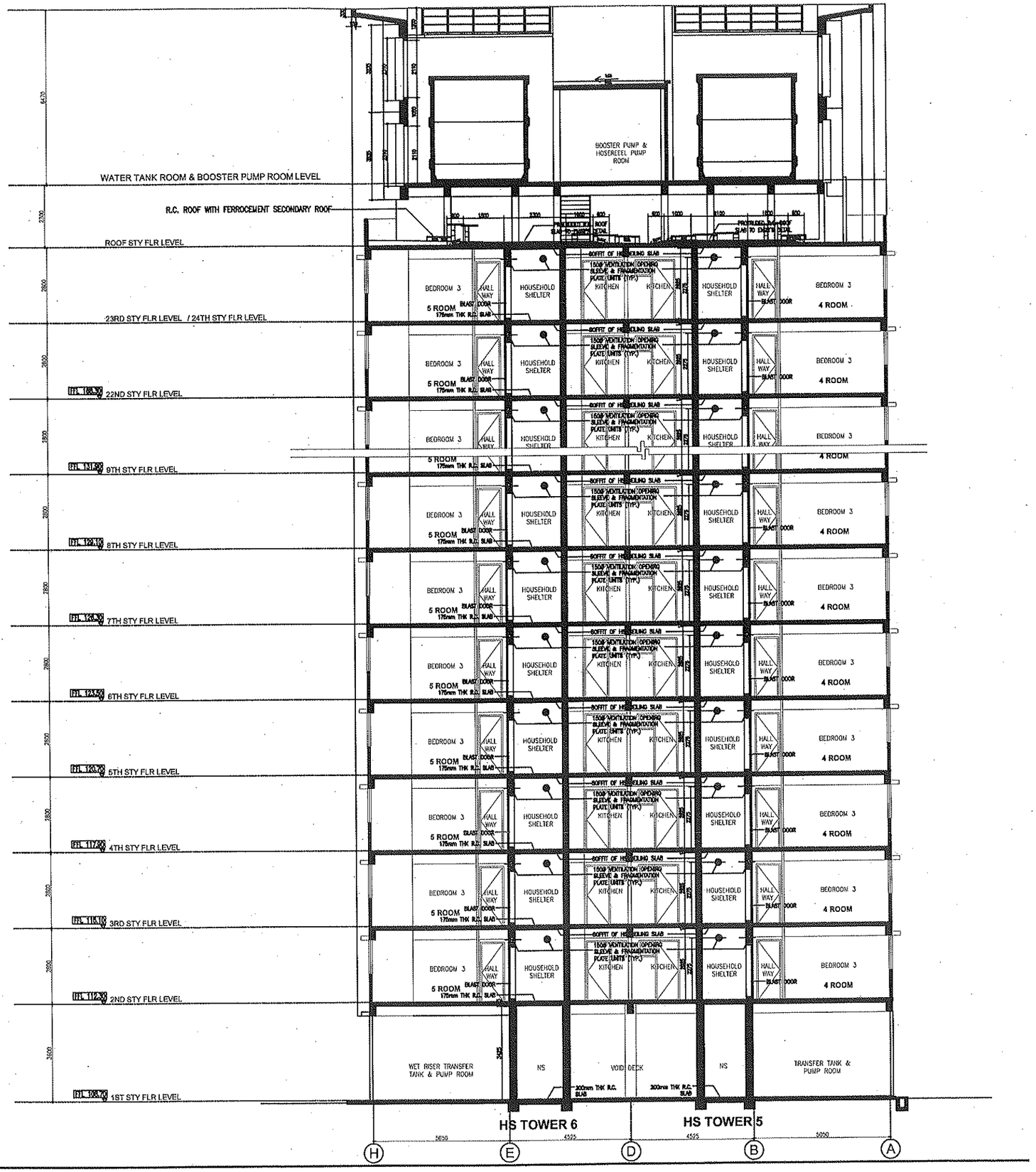
SCALE 1 : 75



(BLOCK 451A)

SECTION 2-2

SCALE 1 : 75



(BLOCK 451B & 452A)

TYPICAL SECTION 3-3

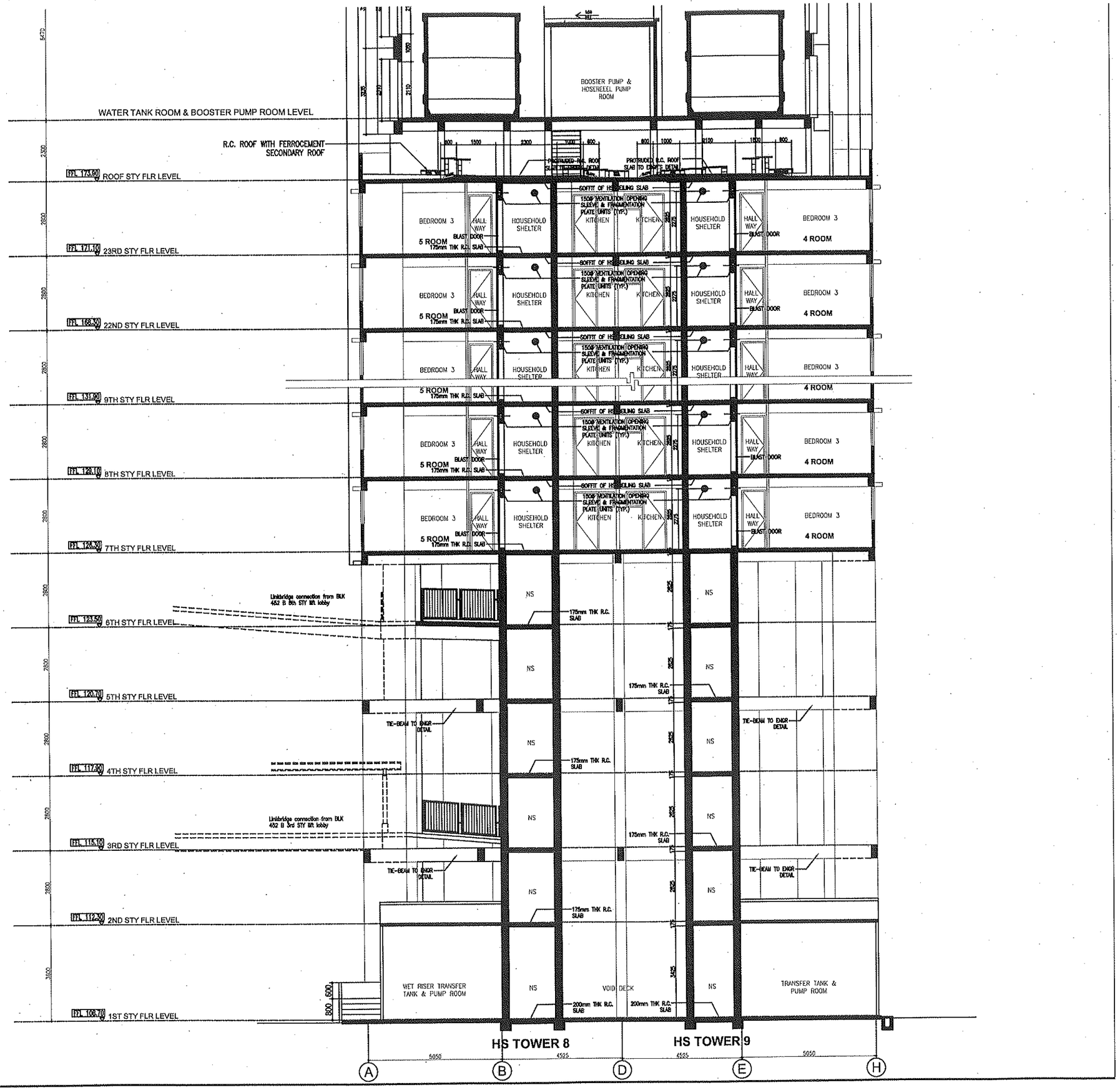
SCALE 1 : 75



(BLOCK 451B & 452A)

TYPICAL SECTION 4-4

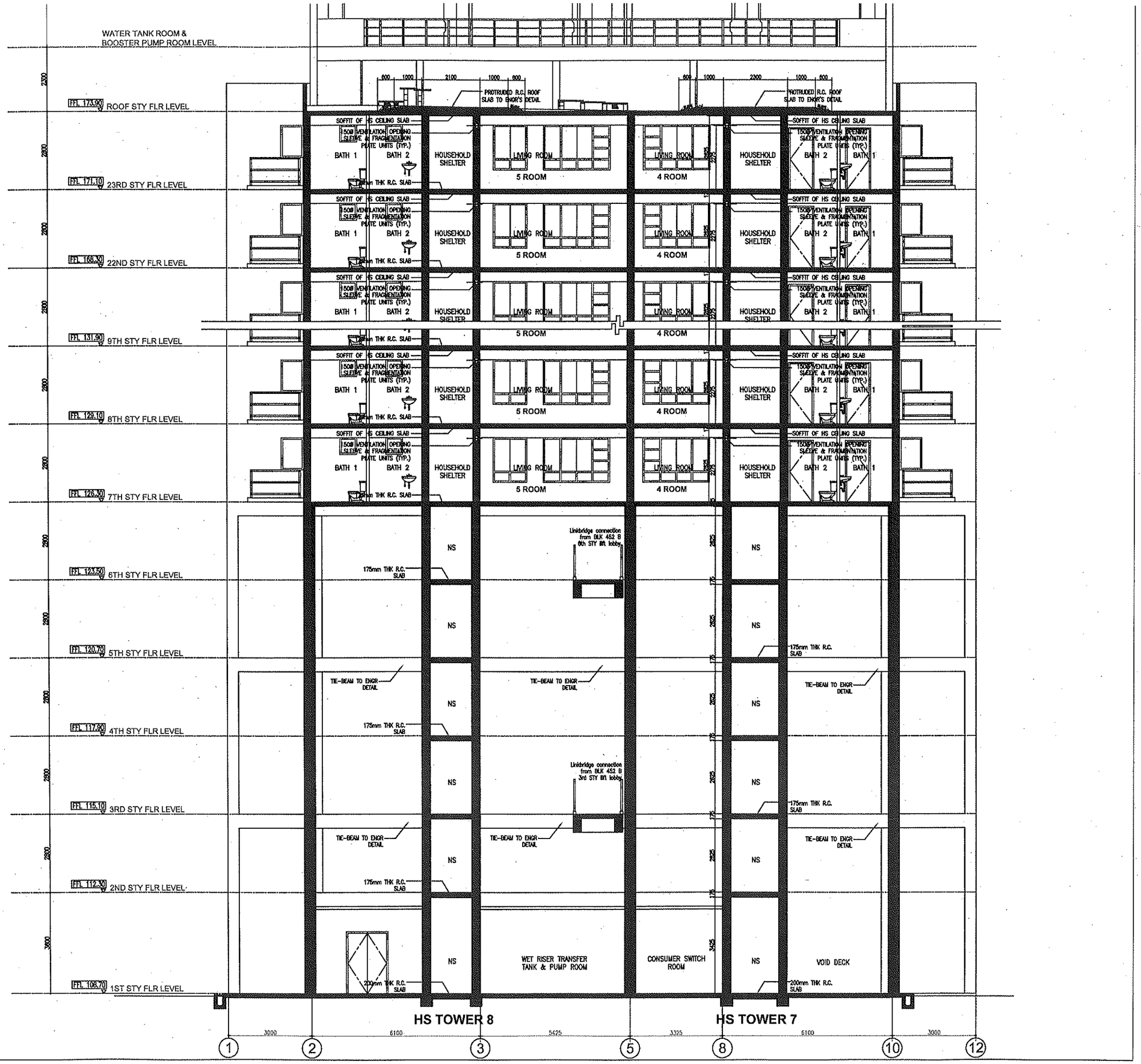
SCALE 1 : 75



(BLOCK 452B)

SECTION 5-5

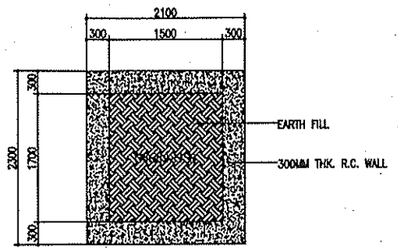
SCALE 1 : 75



(BLOCK 452B)

SECTION 6-6

SCALE 1 : 75

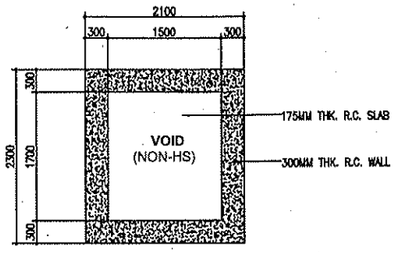


(AT 1ST STOREY)

TYPICAL PLAN OF NON-HOUSEHOLD SHELTER

(BLOCK 451A, 451B, 452A & 452B)

SCALE 1 : 40

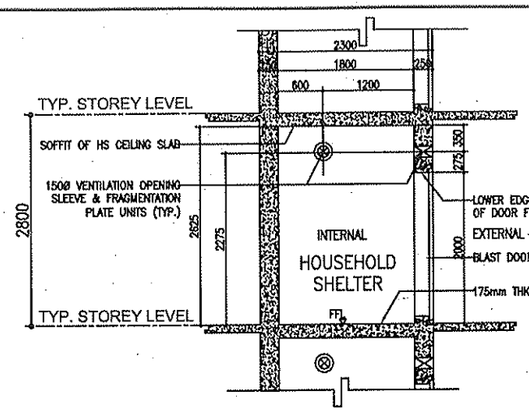


(AT TYPICAL 2ND TO 6TH STOREYS)

TYPICAL PLAN OF NON-HOUSEHOLD SHELTER

(BLOCK 451A & 452B)

SCALE 1 : 40

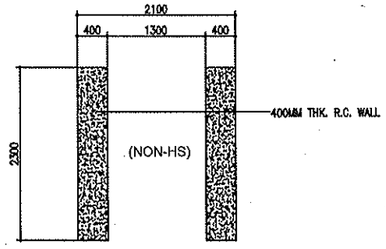


(AT TYPICAL 2ND TO 24TH STOREYS)

SECTION 1-1 OF TYP. STOREY HOUSEHOLD SHELTER (TYPE 1)

(BLOCK 451A, 451B, 452A & 452B)

SCALE 1 : 40

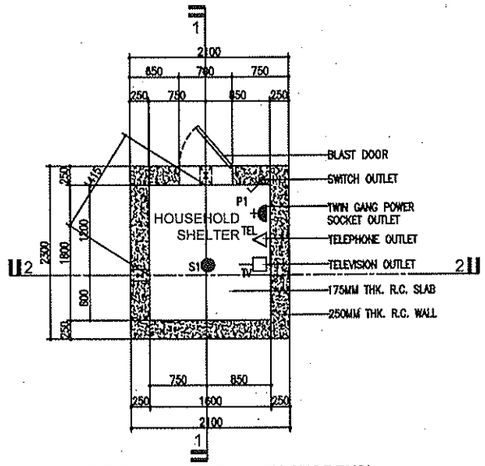


(AT 1ST STOREY)

TYPICAL PLAN OF NON-HOUSEHOLD SHELTER (TYPE 1)

(BLOCK 451A, 451B, 452A & 452B)

SCALE 1 : 40

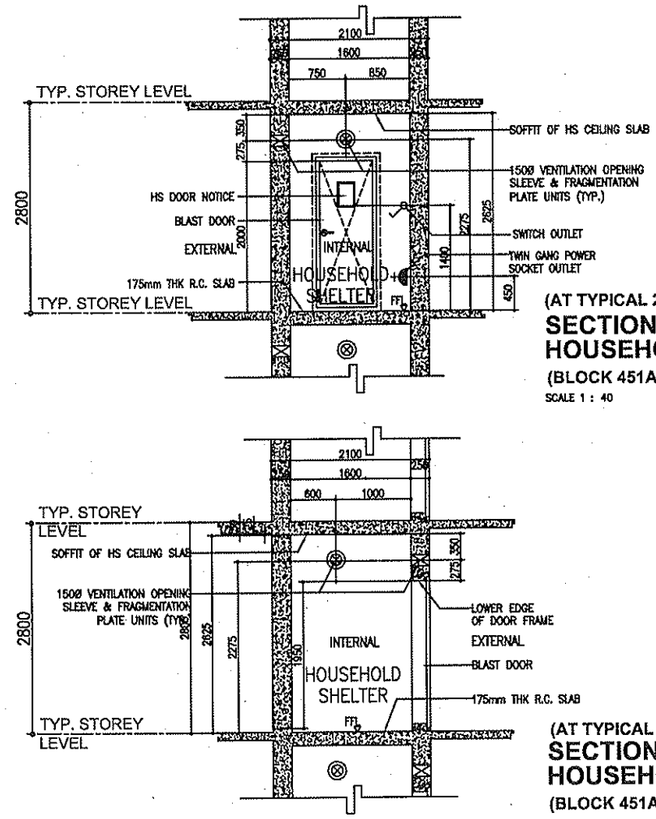


(AT TYPICAL 2ND TO 24TH STOREYS)

TYPICAL PLAN OF HOUSEHOLD SHELTER (TYPE 1)

(BLOCK 451A, 451B, 452A & 452B)

SCALE 1 : 40

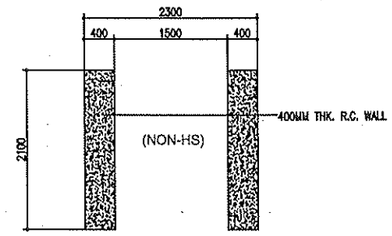


(AT TYPICAL 2ND TO 24TH STOREYS)

SECTION 2-2 OF TYP. STOREY HOUSEHOLD SHELTER (TYPE 1)

(BLOCK 451A, 451B, 452A & 452B)

SCALE 1 : 40

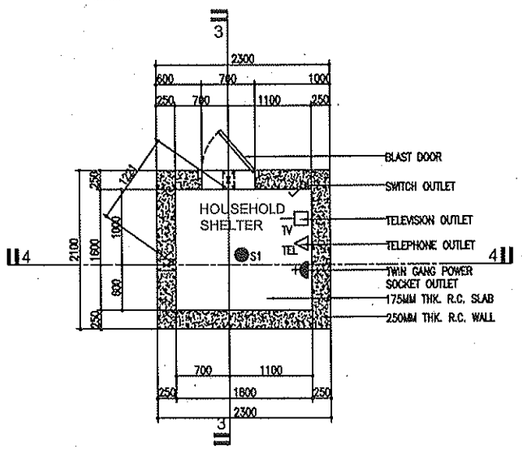


(AT 1ST STOREY)

TYPICAL PLAN OF NON-HOUSEHOLD SHELTER (TYPE 2)

(BLOCK 451A, 451B, 452A & 452B)

SCALE 1 : 40



(AT TYPICAL 2ND TO 24TH STOREYS)

TYPICAL PLAN OF HOUSEHOLD SHELTER (TYPE 2)

(BLOCK 451A, 451B, 452A & 452B)

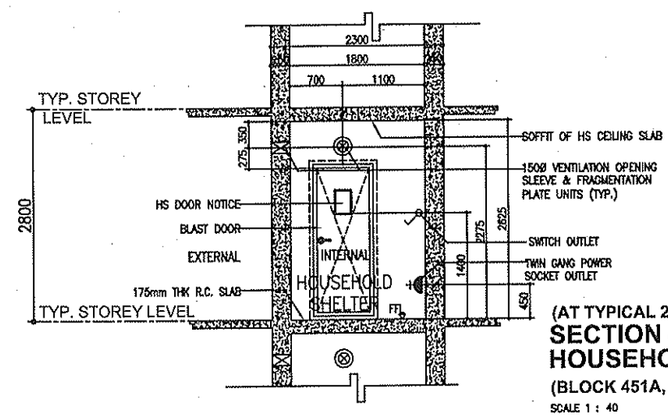
SCALE 1 : 40

(AT TYPICAL 2ND TO 24TH STOREYS)

SECTION 3-3 OF TYP. STOREY HOUSEHOLD SHELTER (TYPE 2)

(BLOCK 451A, 451B, 452A & 452B)

SCALE 1 : 40

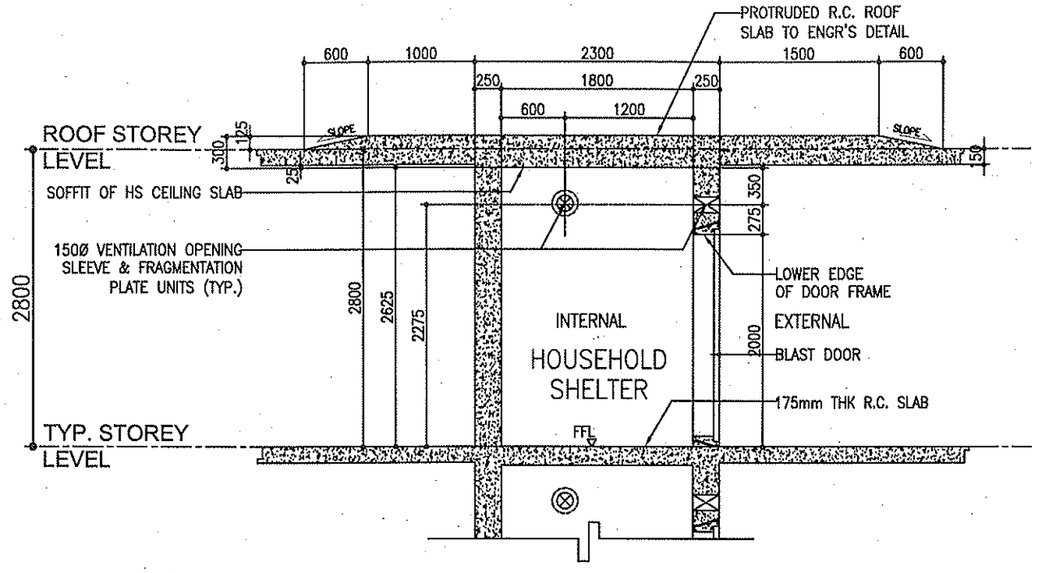


(AT TYPICAL 2ND TO 24TH STOREYS)

SECTION 4-4 OF TYP. STOREY HOUSEHOLD SHELTER (TYPE 2)

(BLOCK 451A, 451B, 452A & 452B)

SCALE 1 : 40

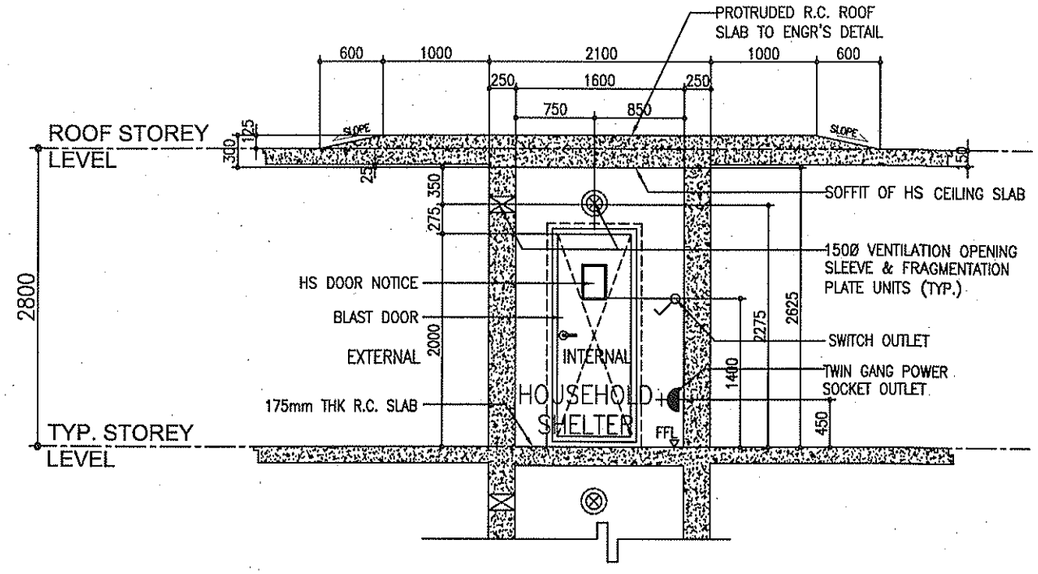


(AT TYPICAL 2ND TO 24TH STOREYS)

SECTION 1-1 OF TYP. ROOF STOREY HOUSEHOLD SHELTER (TYPE 1)

(BLOCK 451A, 451B, 452A & 452B)

SCALE 1 : 40

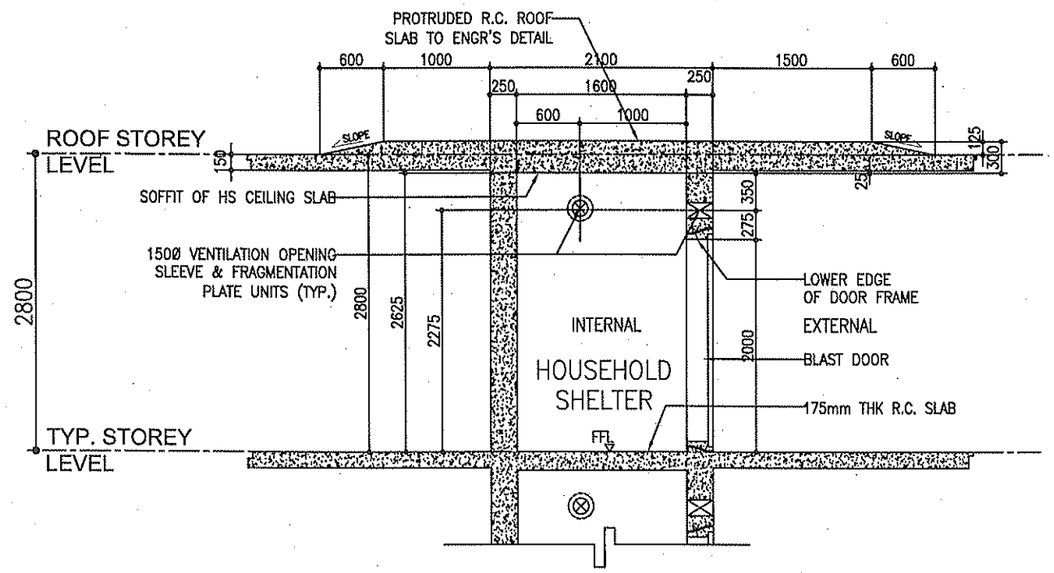


(AT TYPICAL 2ND TO 24TH STOREYS)

SECTION 2-2 OF TYP. ROOF STOREY HOUSEHOLD SHELTER (TYPE 1)

(BLOCK 451A, 451B, 452A & 452B)

SCALE 1 : 40

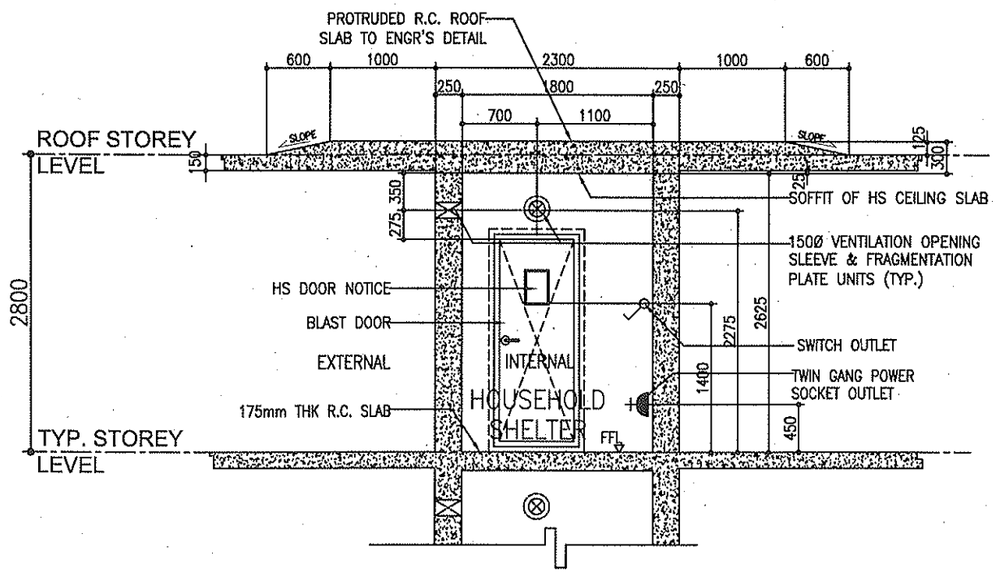


(AT TYPICAL 2ND TO 24TH STOREYS)

SECTION 3-3 OF TYP. ROOF STOREY HOUSEHOLD SHELTER (TYPE 2)

(BLOCK 451A, 451B, 452A & 452B)

SCALE 1 : 40



(AT TYPICAL 2ND TO 24TH STOREYS)

SECTION 4-4 OF TYP. ROOF STOREY HOUSEHOLD SHELTER (TYPE 2)

(BLOCK 451A, 451B, 452A & 452B)

SCALE 1 : 40