CASE STUDY 2

PROPOSED PUBLIC HOUSING DEVELOPMENT COMPRISING 1 BLOCK OF 19-STOREY RESIDENTIAL BUILDING (TOTAL: 338 UNITS) WITH PRECINCT PAVILION AND 1 BLOCK OF ESS

CD SHELTER ARCHITECTURAL PLANS (BIM SUBMISSION)

PROPOSED PUBLIC HOUSING DEVELOPMENT COMPRISING 1 BLOCK OF 19-STOREY RESIDENTIAL BUILDING WITH PRECINCT PAVILION AND 1 BLOCK OF ESS AT SIMS PLACE
Data of Household Shelter

Block 63

Dwelling Unit Type	GFA of Unit (m^2)	No. of HS	Area of HS (m^2)	No. of Square Units	Volume of HS (m^3)	Shelter Type
Studio Apartment Type A	35	108	1.68	NA	4.368	HA
Studio Apartment Type B	45	88	2.21	NA	5.746	HA
3-room	65	142	2.25	NA	5.85	HA

Standard Certification for Civil Defence Shelter Plans

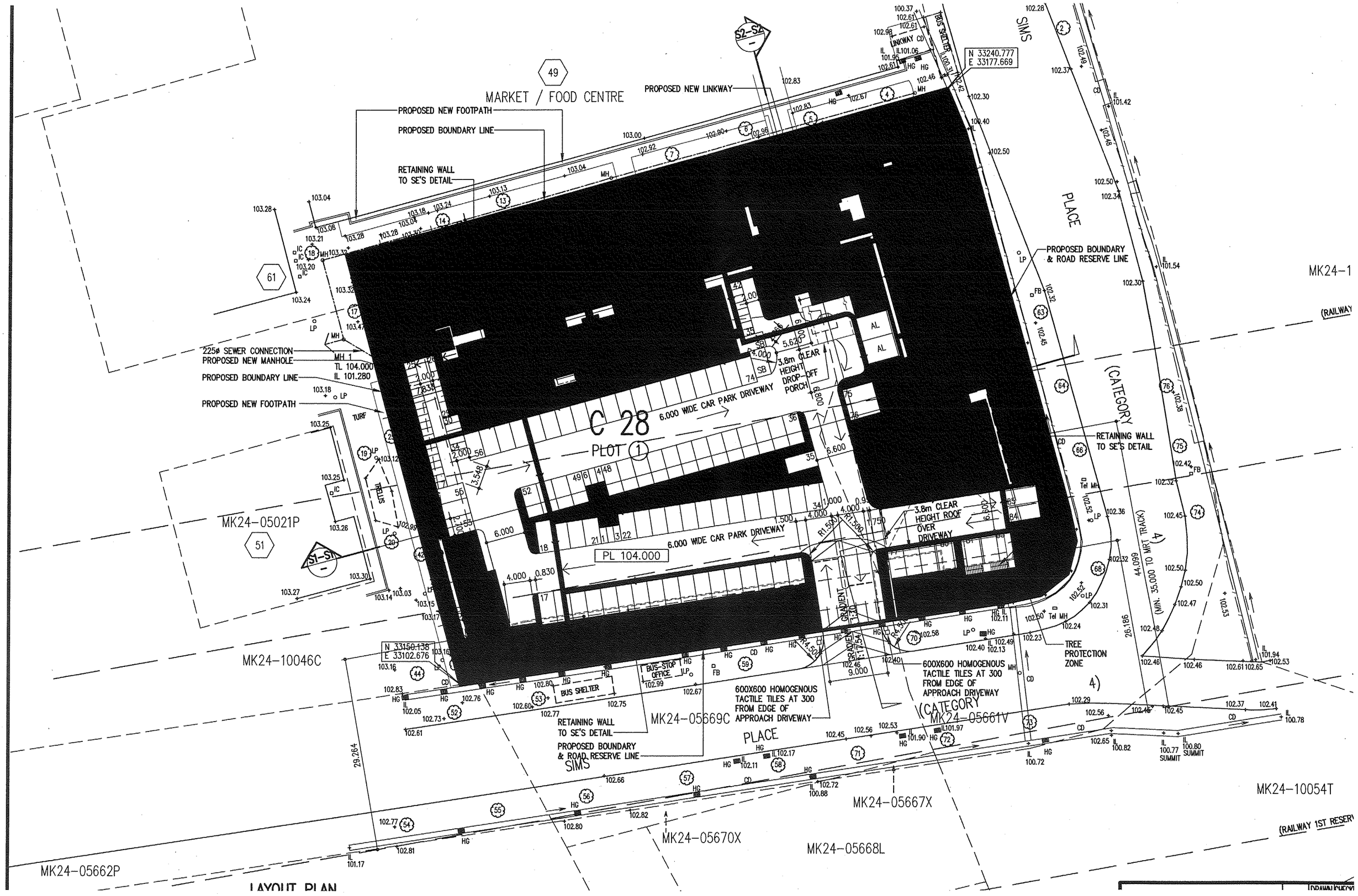
I, **CHONG FOOK KIONG ALVIN**, hereby submit the detailed civil defence shelter plans *(and design calculations) prepared by me and certify that -

(a) the preparation of these civil defence shelter plans are in accordance with the Building Control Regulations; and

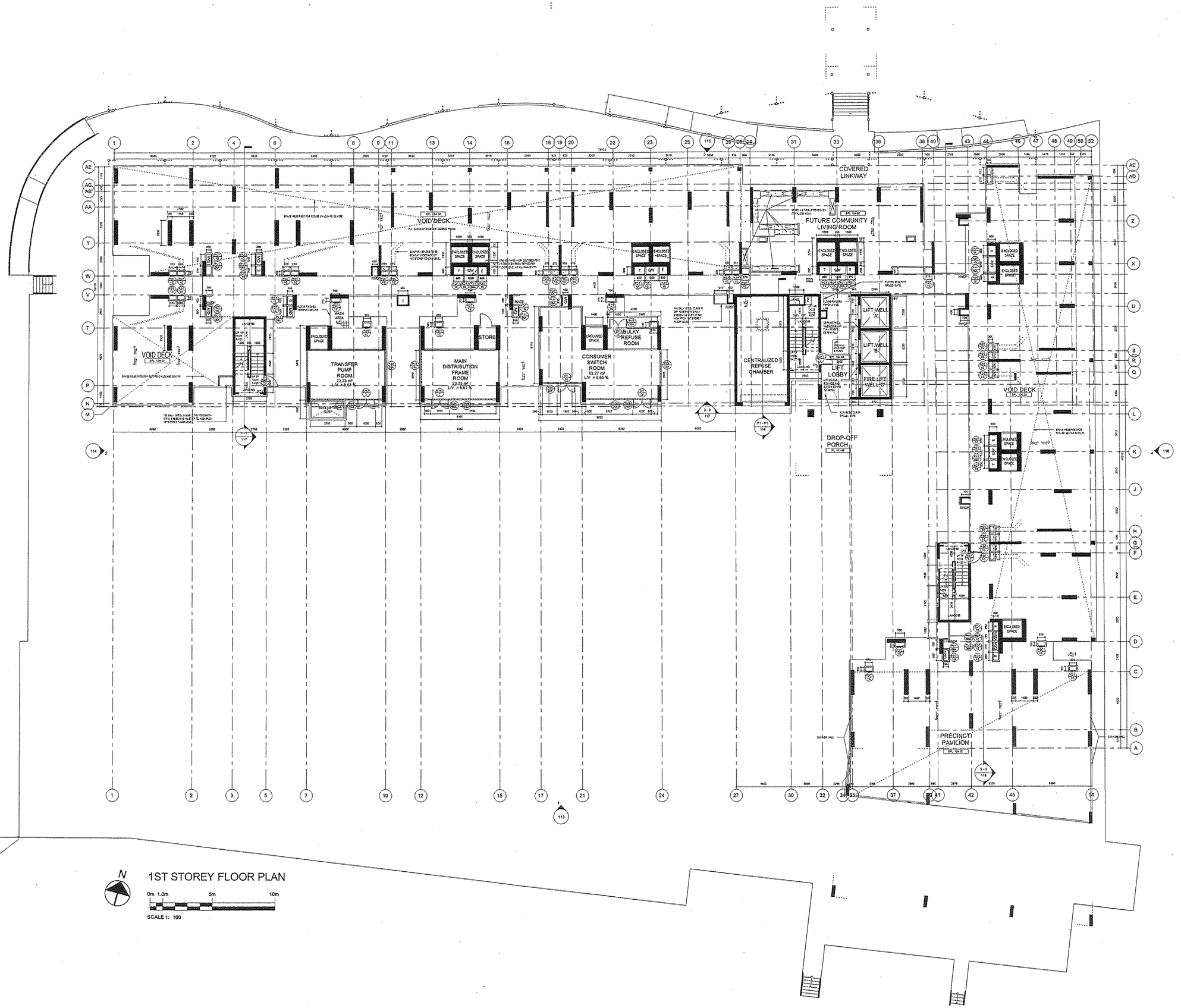
(b) the civil defence shelter works shown on these plans are designed in accordanc with the shelter technical requirements.

2. Total number of civil defence shelter plans submitted: 25 and total number of pages of design calculations: 0.

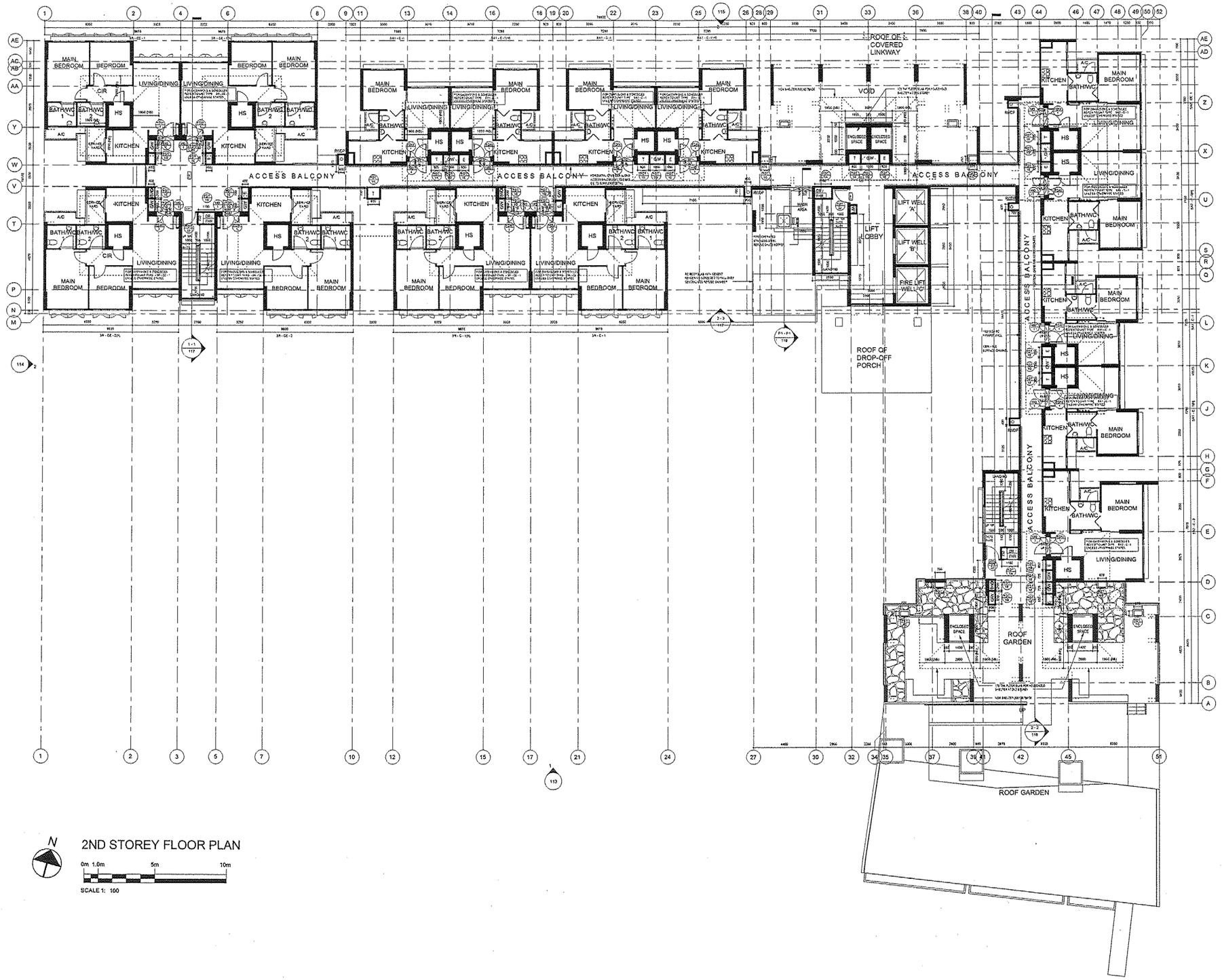
*Delete where not applicable



MARKET / FOOD CENTRE
49
PROPOSED NEW FOOTPATH
PROPOSED BOUNDARY LINE
RETAINING WALL TO SE'S DETAIL
PROPOSED NEW LINKWAY
S2-S2
N 33240.777
E 33177.669
SIMS
PLACE
(CATEGORY
PROPOSED BOUNDARY & ROAD RESERVE LINE
MK24-1
(RAILWAY
225ø SEWER CONNECTION
PROPOSED NEW MANHOLE
MH 1
TL 104.000
IL 101.280
PROPOSED BOUNDARY LINE
PROPOSED NEW FOOTPATH
C 28
PLOT 1
6.000 WIDE CAR PARK DRIVEWAY
3.8m CLEAR HEIGHT DROP-OFF PORCH
3.8m CLEAR HEIGHT ROOF OVER DRIVEWAY
PL 104.000
MK24-05021P
51
S1-S1
MK24-10046C
N 33150.138
E 33102.676
BUS SHELTER
BUS-STOP OFFICE
600X600 HOMOGENOUS TACTILE TILES AT 300 FROM EDGE OF APPROACH DRIVEWAY
TREE PROTECTION ZONE
(MIN. 35.000 TO MRT TRACK)
MK24-05669C
MK24-05661V
MK24-05667X
MK24-05670X
MK24-05668L
MK24-10054T
MK24-05662P
(RAILWAY 1ST RESERV
LAYOUT PLAN



1ST STOREY FLOOR PLAN



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2ND STOREY FLOOR PLAN

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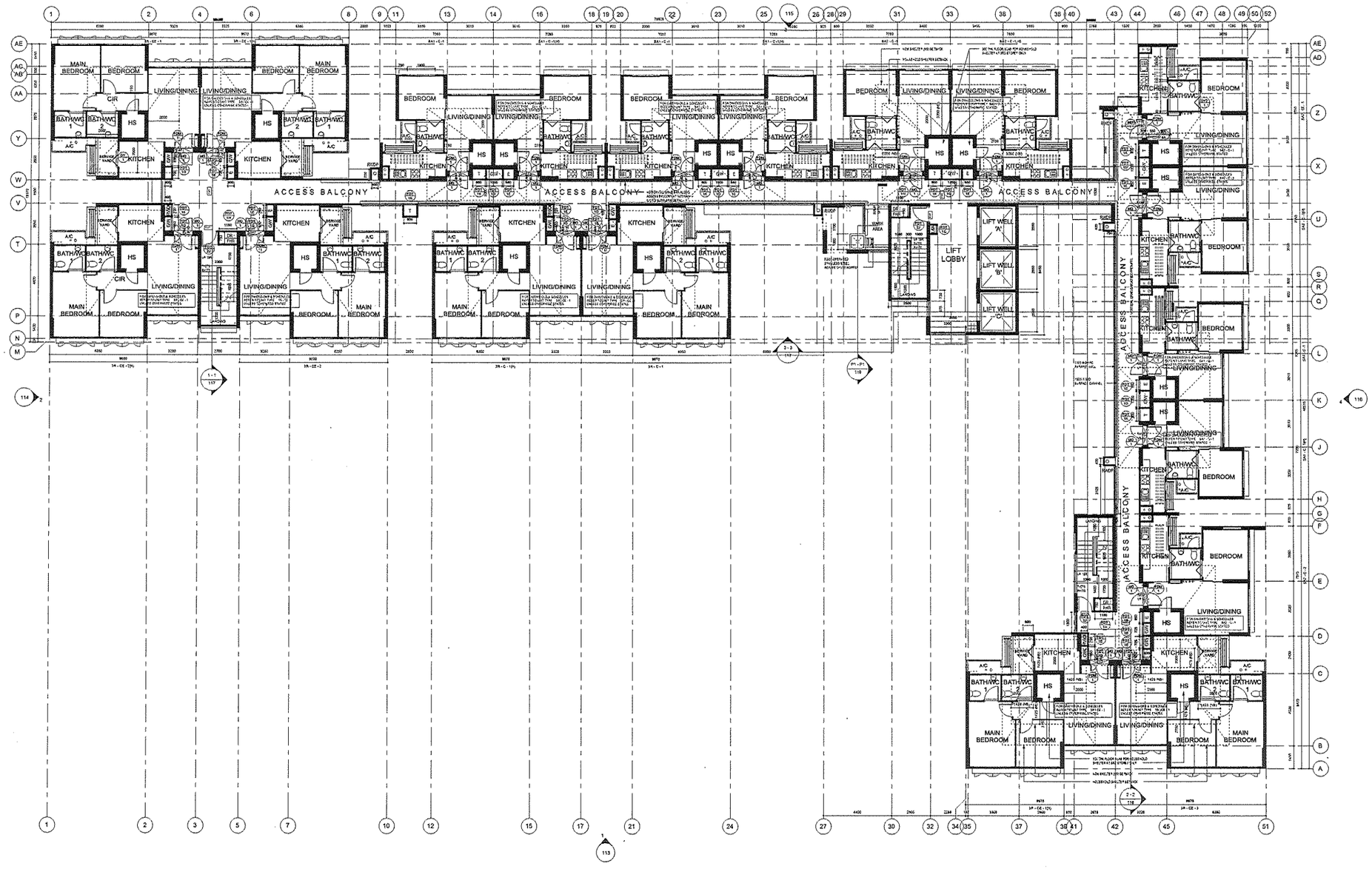

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3RD TO 19TH STOREY FLOOR PLAN

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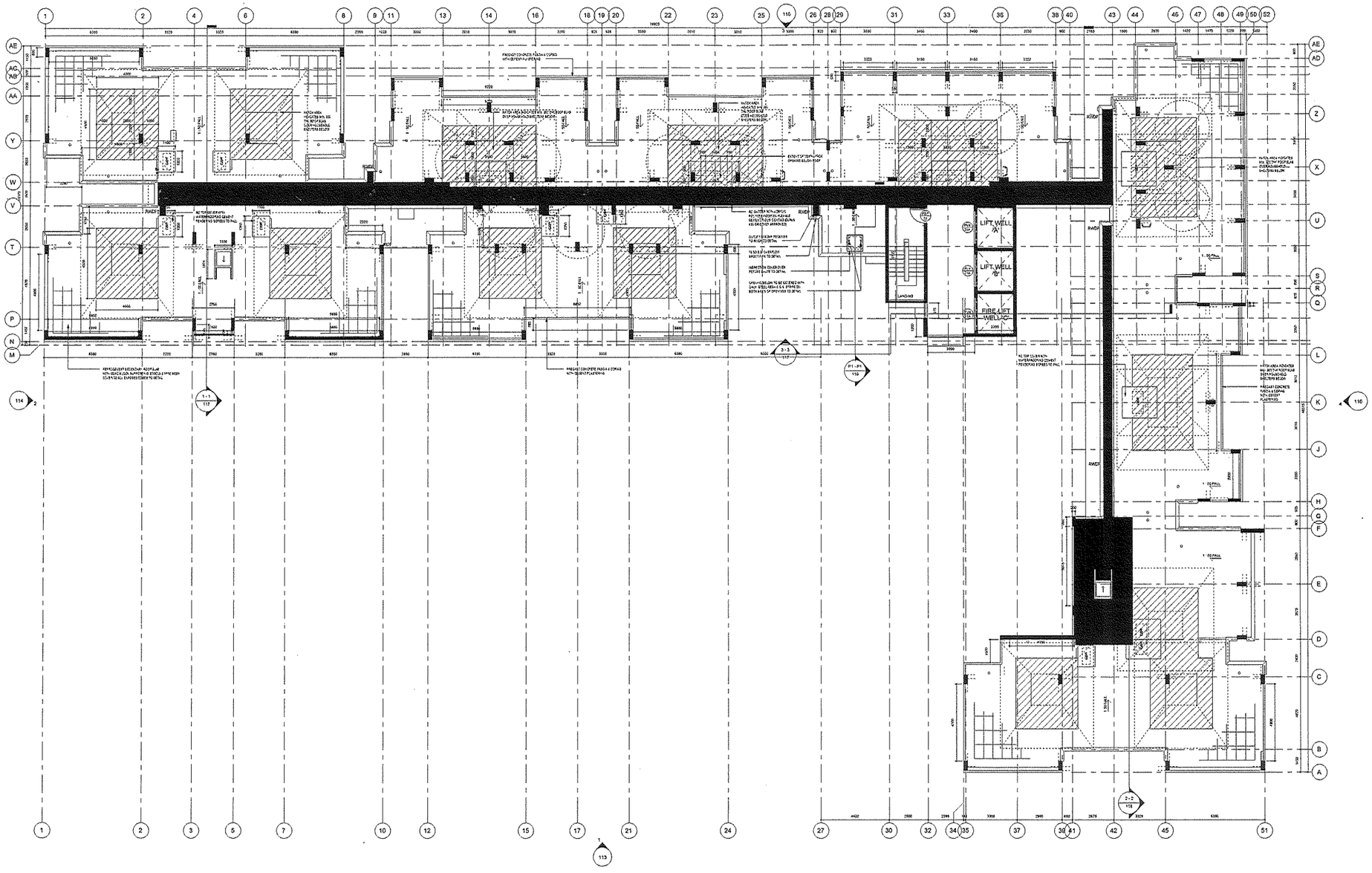

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MAIN ROOF PLAN

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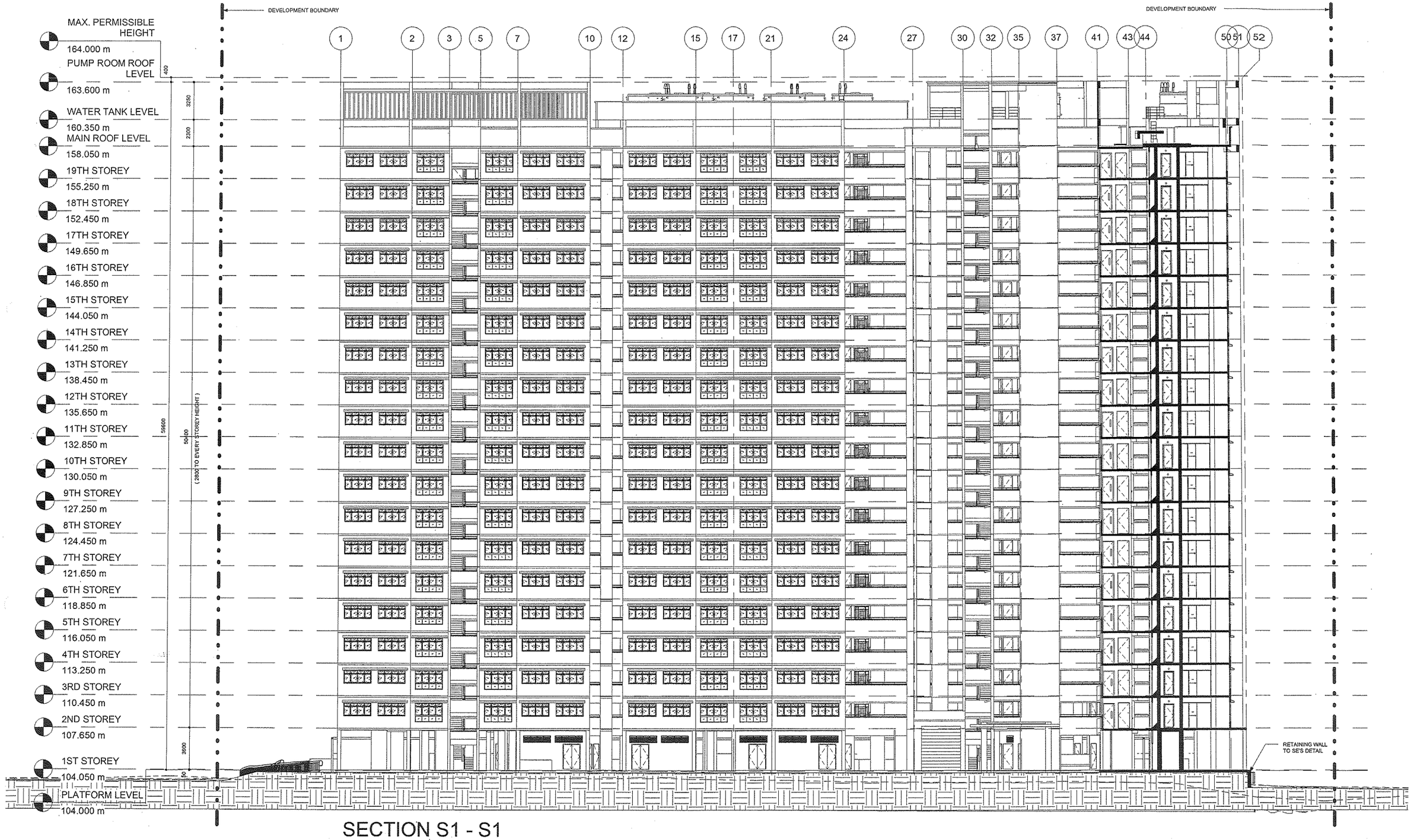
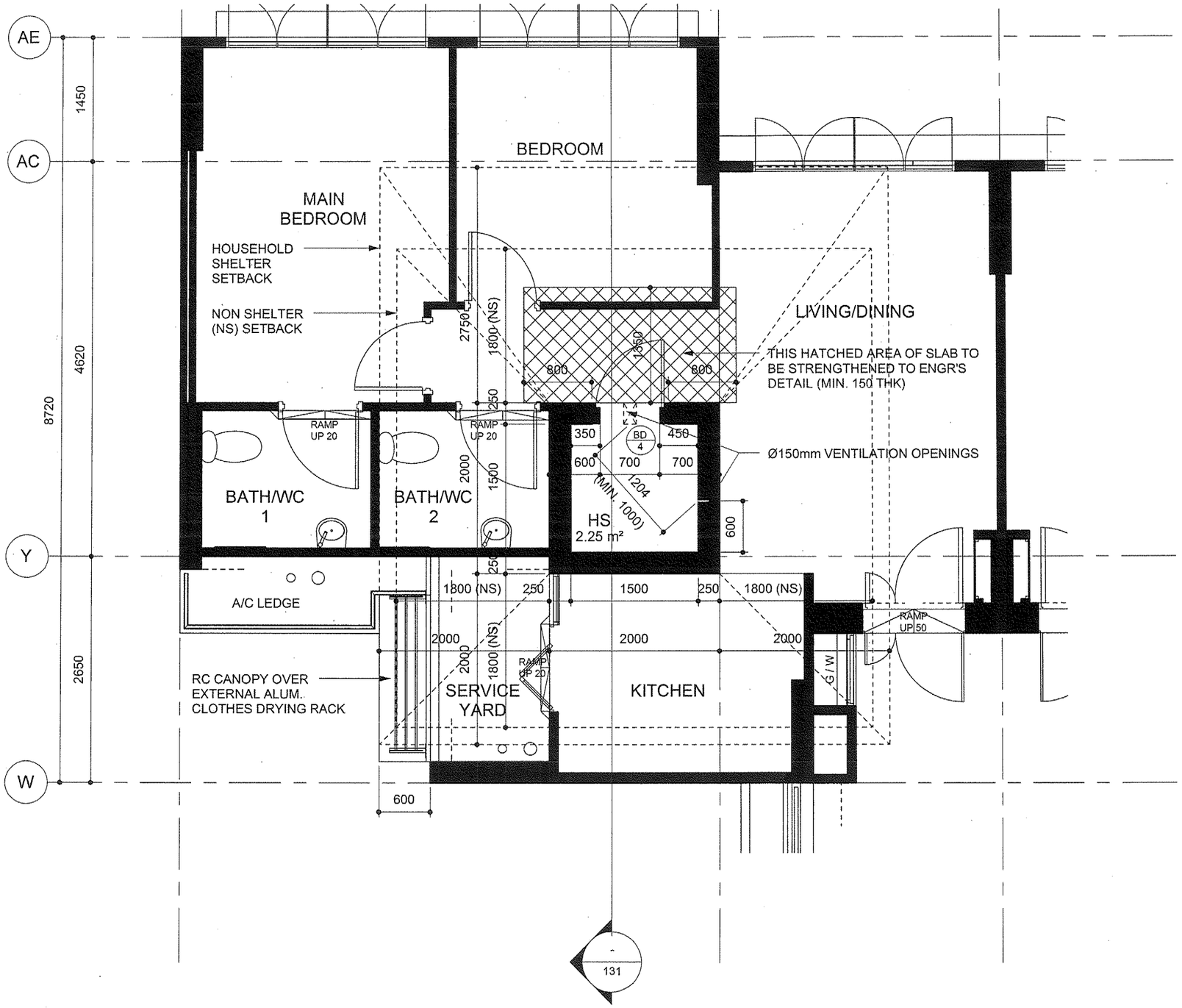


SECTION S1 - S1

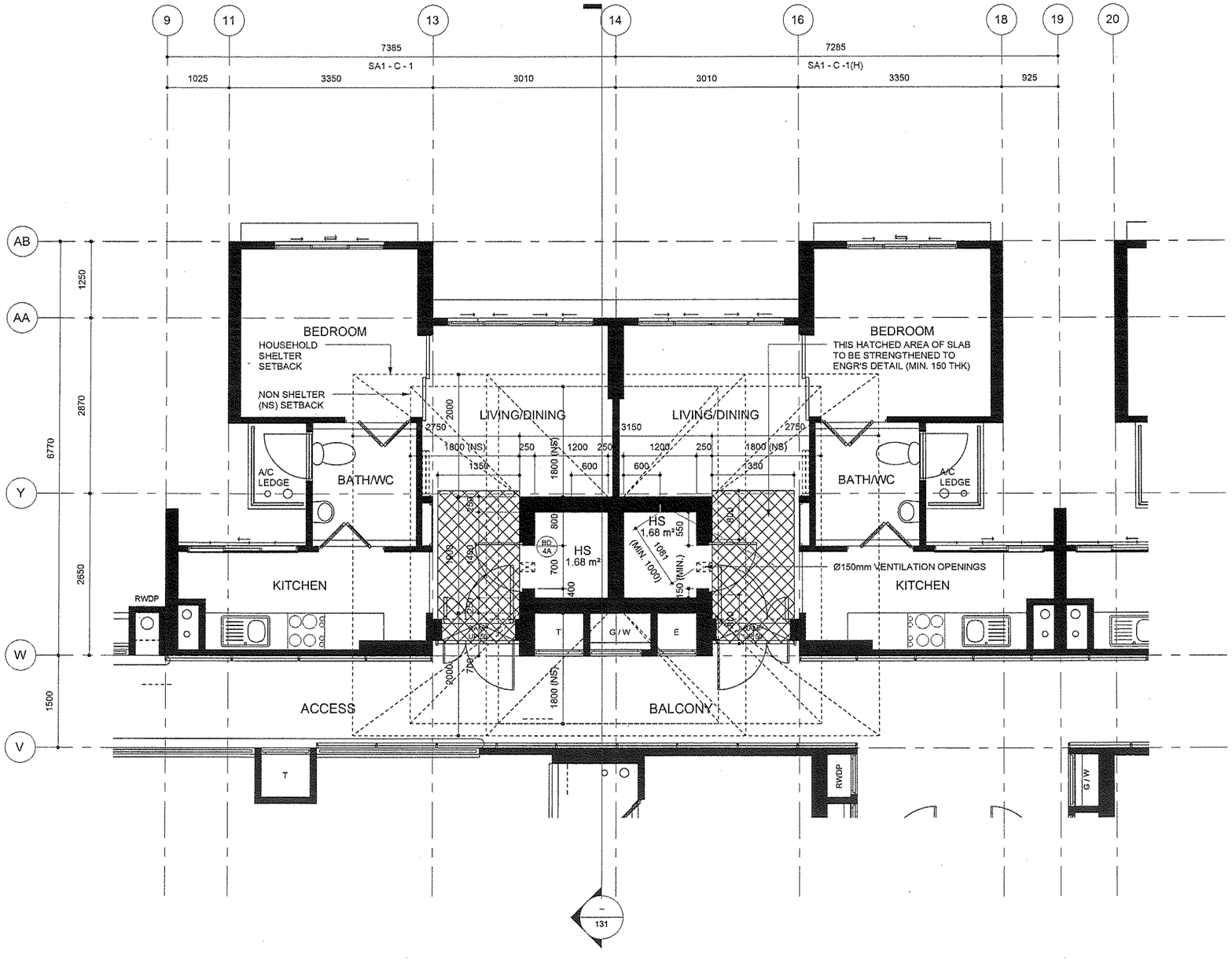
0m 2.0m 10m 20m

SCALE 1: 200



TYPICAL PLAN OF HOUSEHOLD SHELTER TYPE '1'

0m 0.5m 3m 5m



TYPICAL PLAN OF HOUSEHOLD SHELTER TYPE '2'

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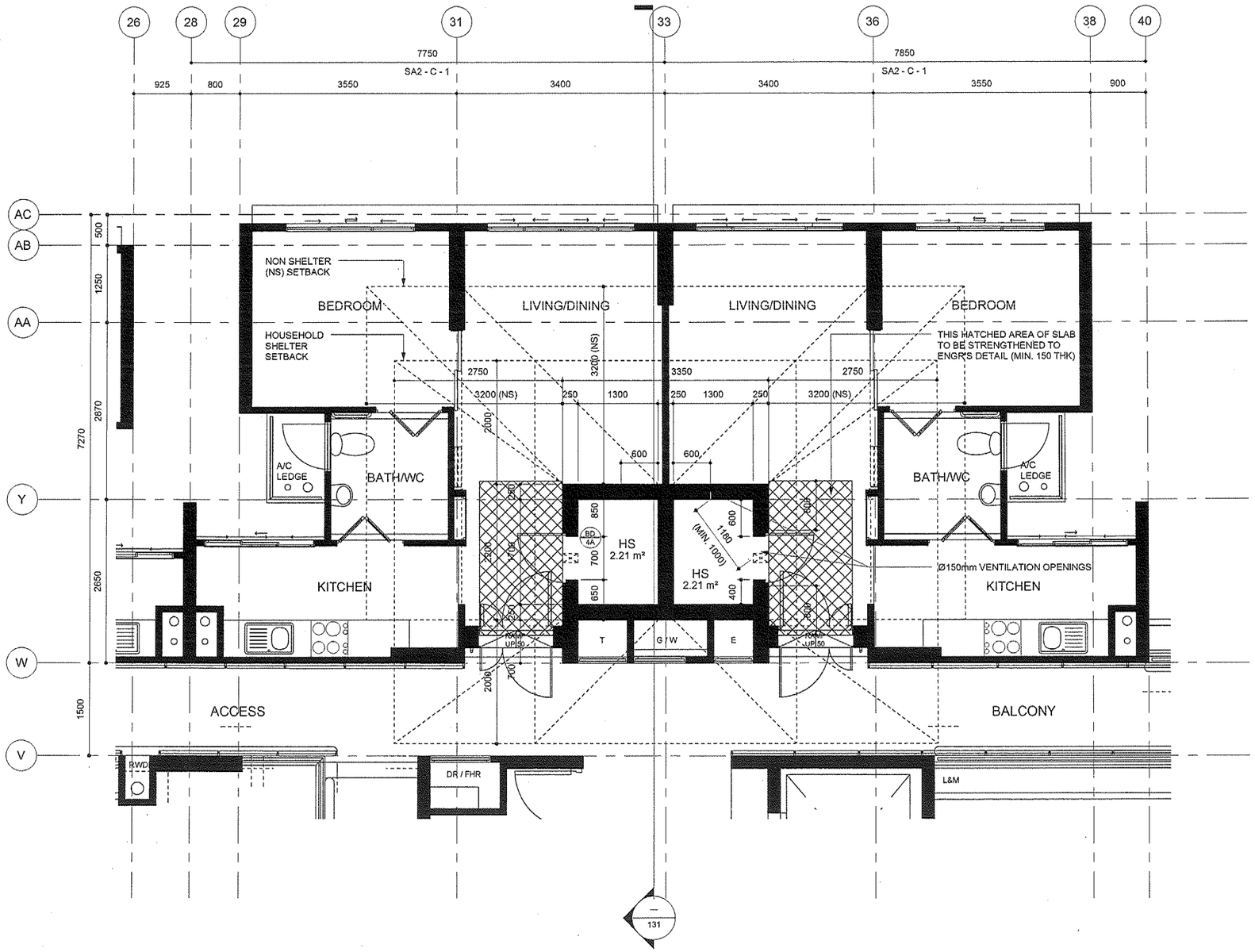
SCALE 1: 50



TYPICAL PLAN OF HOUSEHOLD SHELTER TYPE '3'

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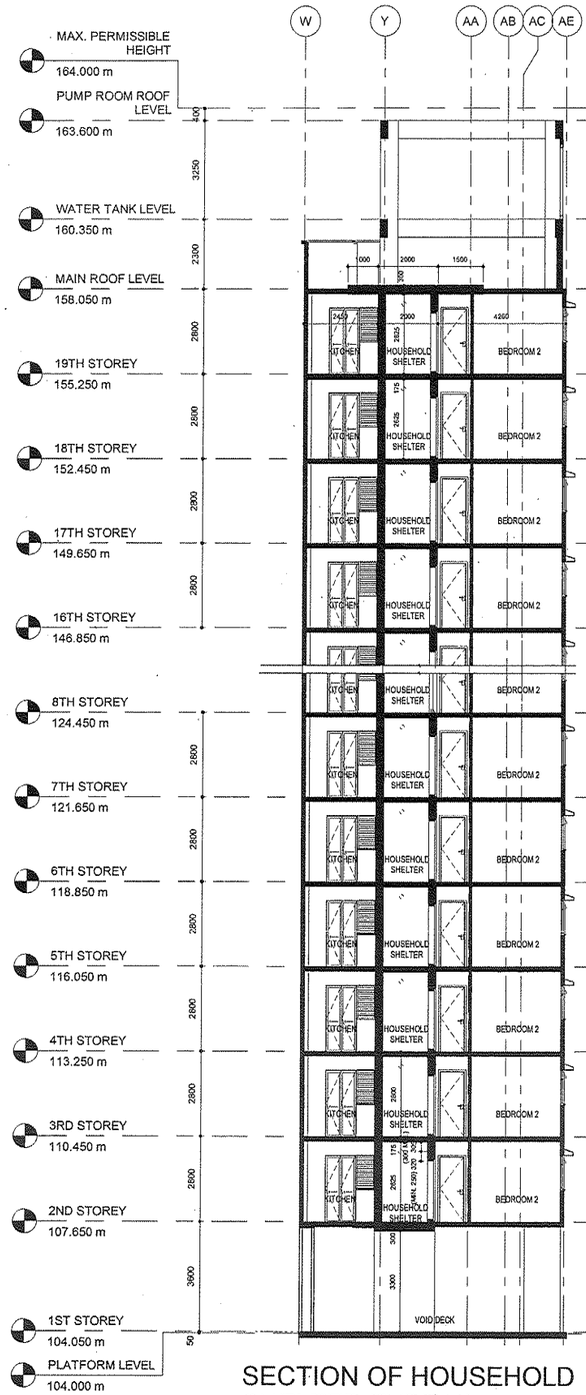

SECTION OF HOUSEHOLD SHELTER TYPE '1'

0m 1.0m 5m 10m

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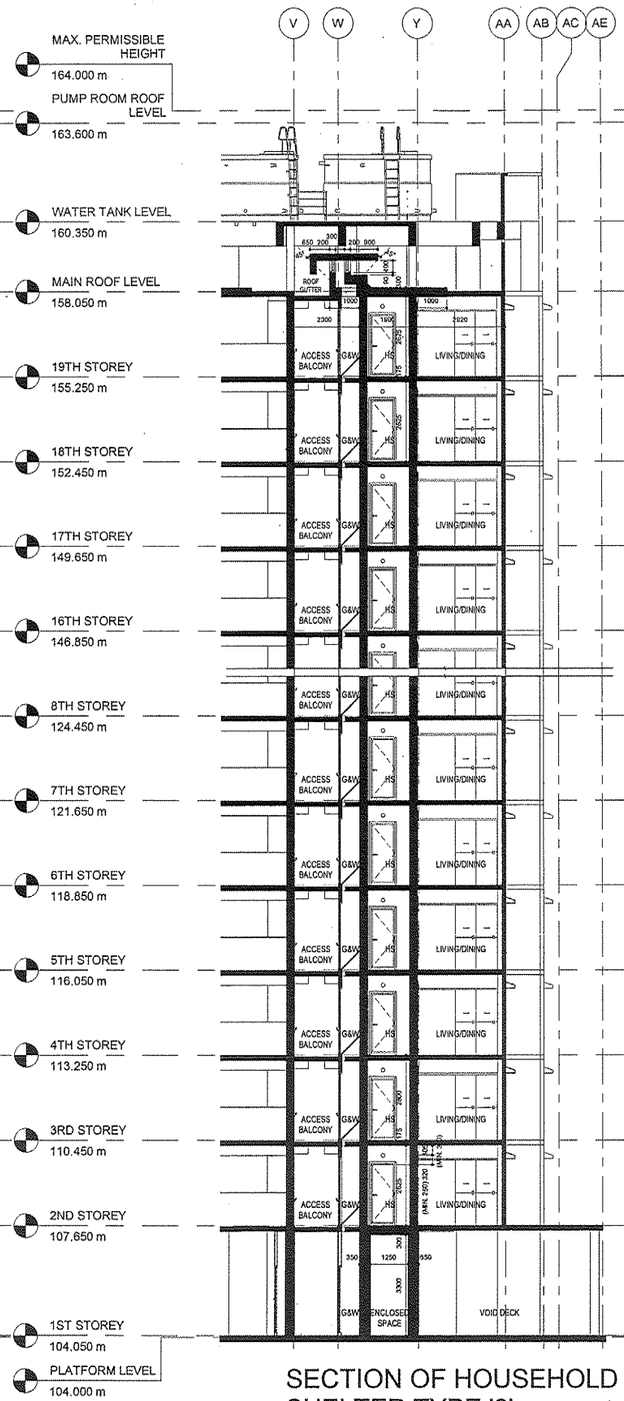

SECTION OF HOUSEHOLD SHELTER TYPE '2'

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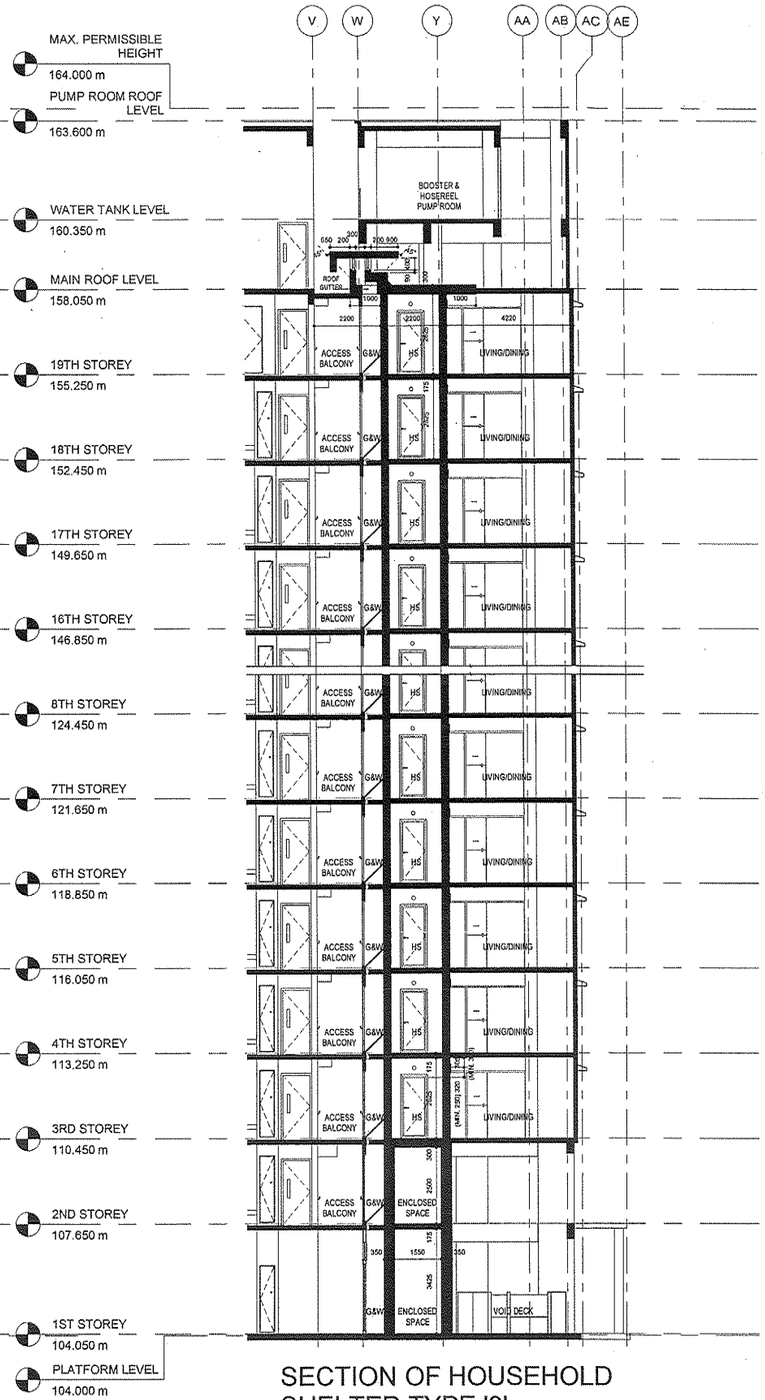

SECTION OF HOUSEHOLD SHELTER TYPE '3'

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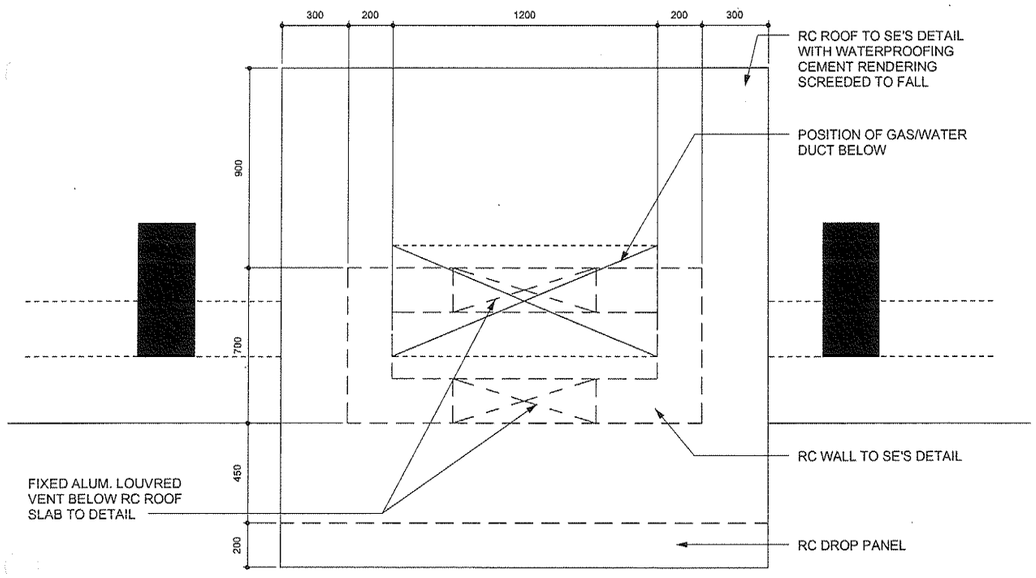
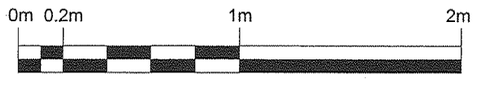


TYPICAL ROOF PLAN OF GAS/WATER DUCT ABUTTING HOUSEHOLD SHELTER



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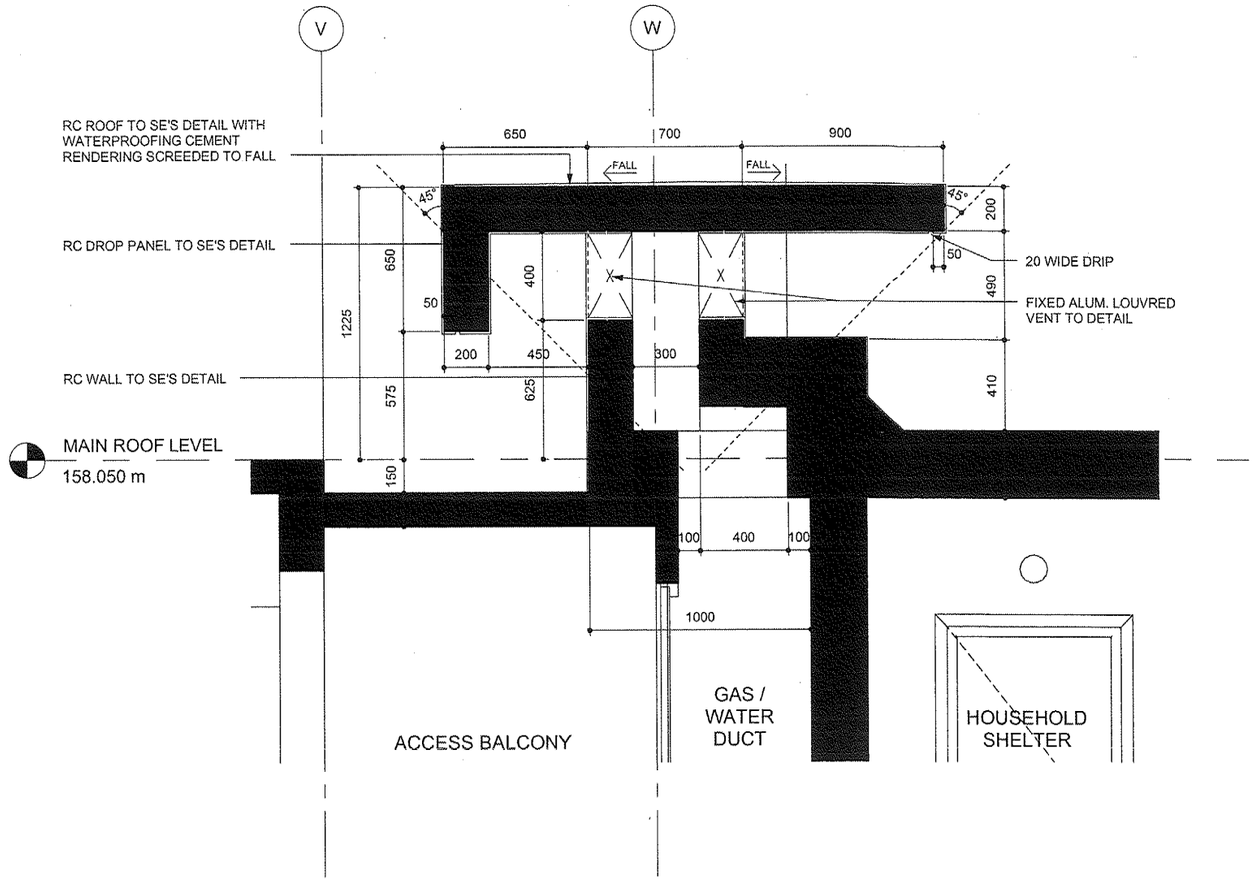
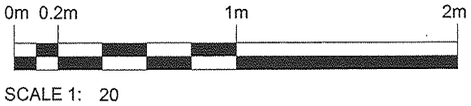


TYPICAL SECTION OF GAS/WATER DUCT ABUTTING HOUSEHOLD SHELTER



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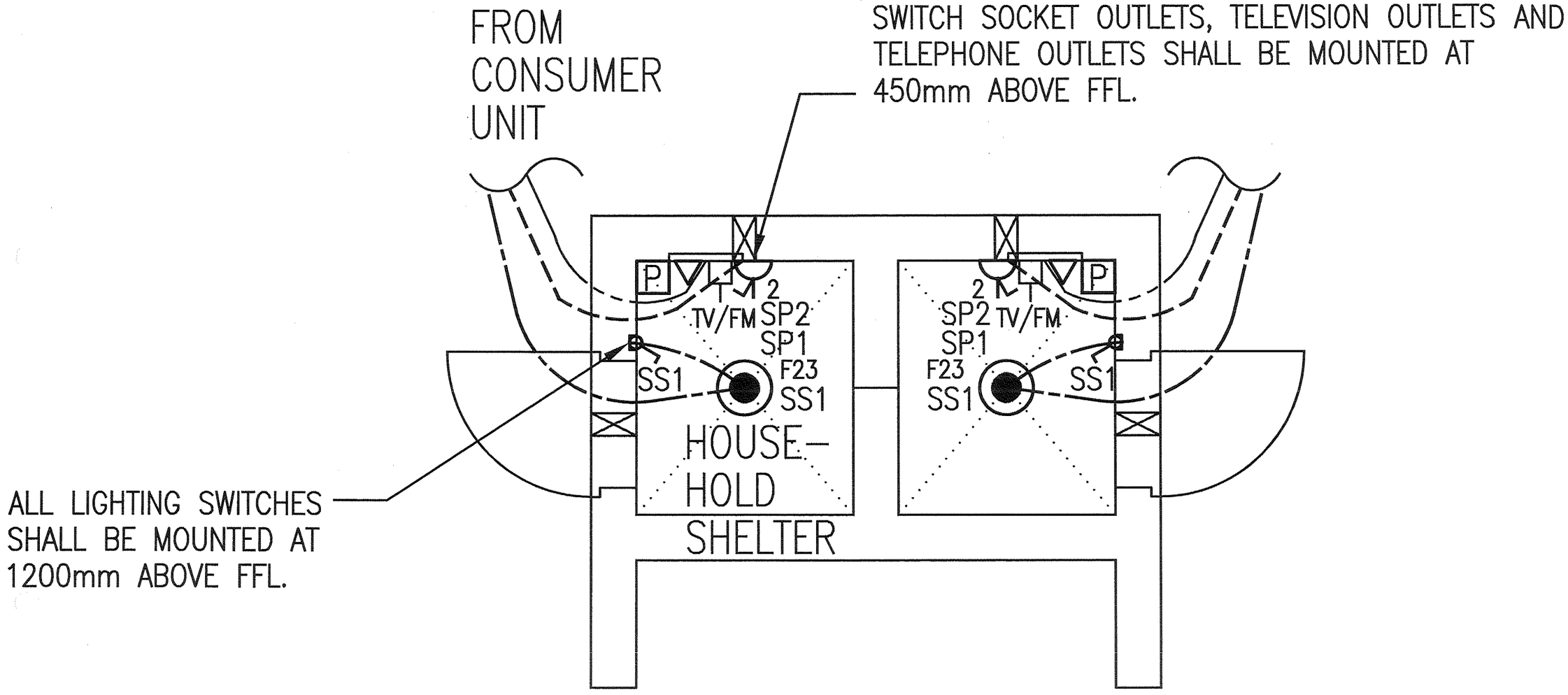
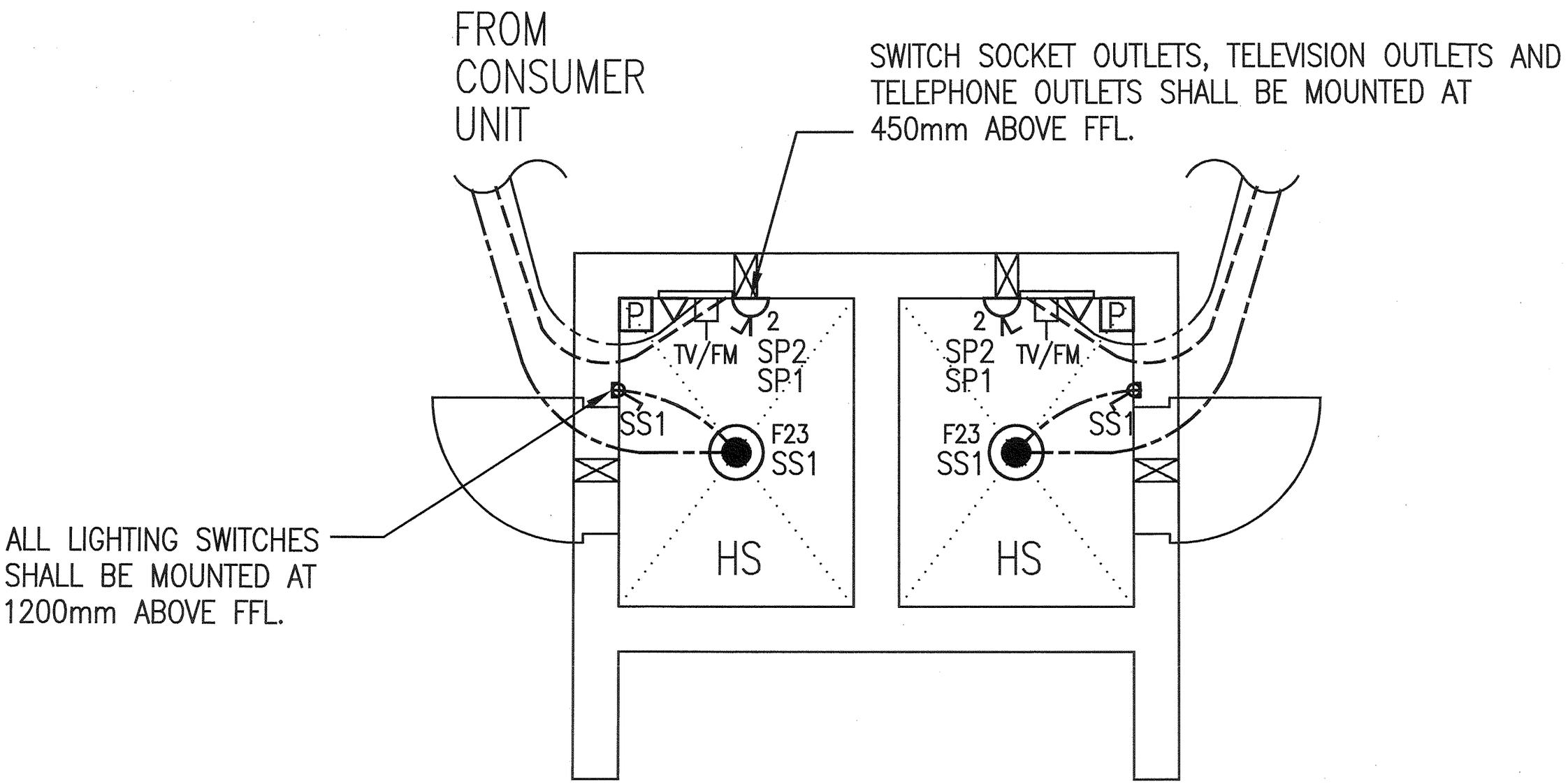
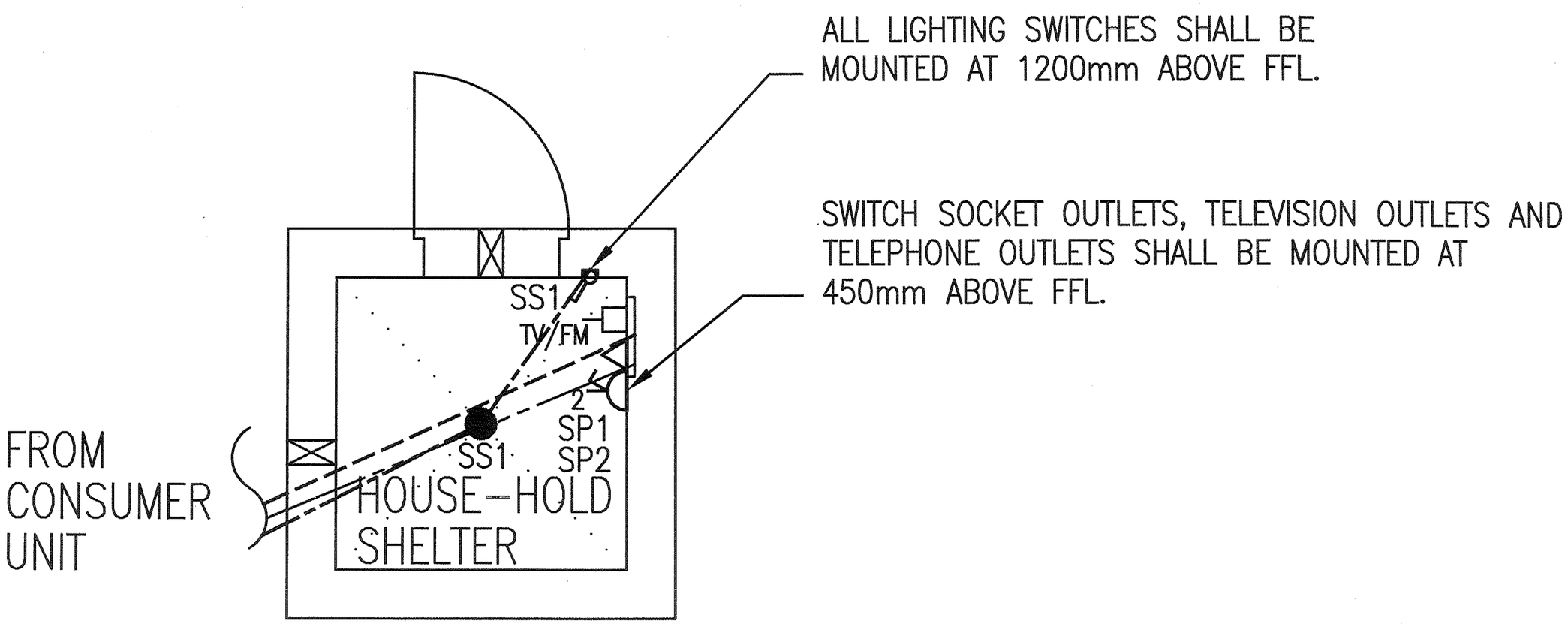


TYPICAL ELECTRICAL INSTALLTION TO HOUSEHOLD SHELTER (HS) OF STUDIO APARTMENT TYPE A



TYPICAL ELECTRICAL INSTALLTION TO HOUSEHOLD SHELTER (HS) OF STUDIO APARTMENT TYPE B



TYPICAL ELECTRICAL INSTALLTION TO HOUSEHOLD SHELTER OF 3-ROOM FLAT