

- NOTES
- All dimensions are in millimetres unless otherwise stated
 - This drawing is to be read with all other relevant documentation
 - Do not scale from this drawing, all measurement data should be taken directly from the model

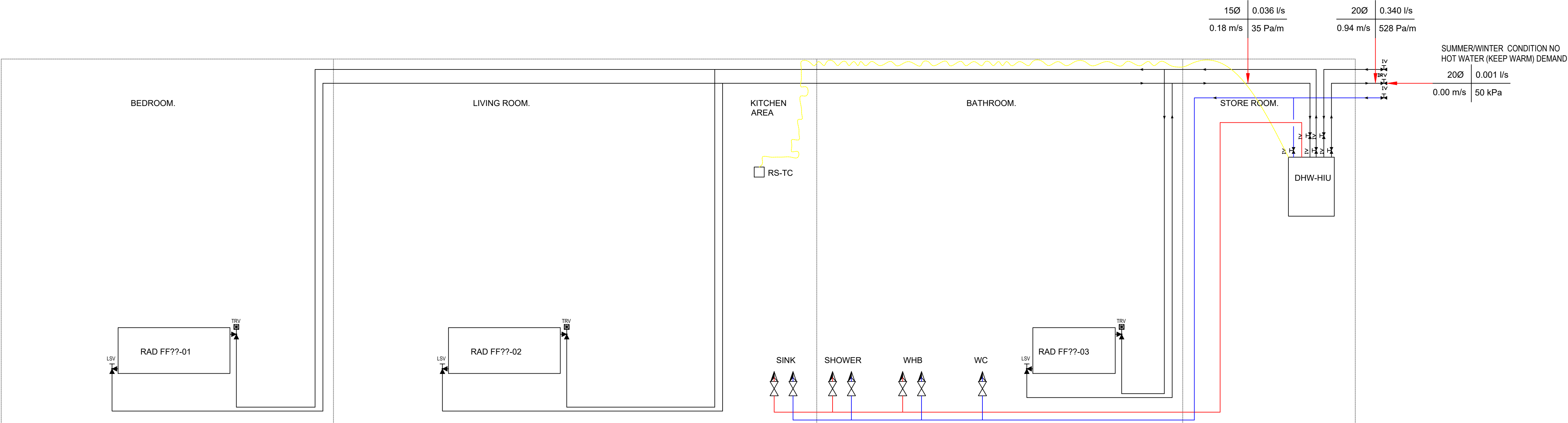
LEGEND

- Pipe-work run in Ceiling Void
--- Pipe-work run at high level H/L
--- Pipe-work run at low level L/L
--- Pipe-work drops H/L to L/L
--- Radiator LST type
--- Radiator Normal type
--- Domestic Hot Heat Interface Unit
--- Isolating Valve
--- Double Regulating Valve Commissioning Set
--- Pressure Independent Control Valve
--- Room Space Sensor Time Clock Winter/Summer Switch
--- Ceiling Mounted Extract Fan with adjustable trickle speeds and booster speeds, operated via light switch and humidity sensor, and run on timer
--- Extract Duct Rise in Ceiling Void to Tile Vent
--- Extract Duct 110x54 flat duct run in ceiling void to external wall Louvre

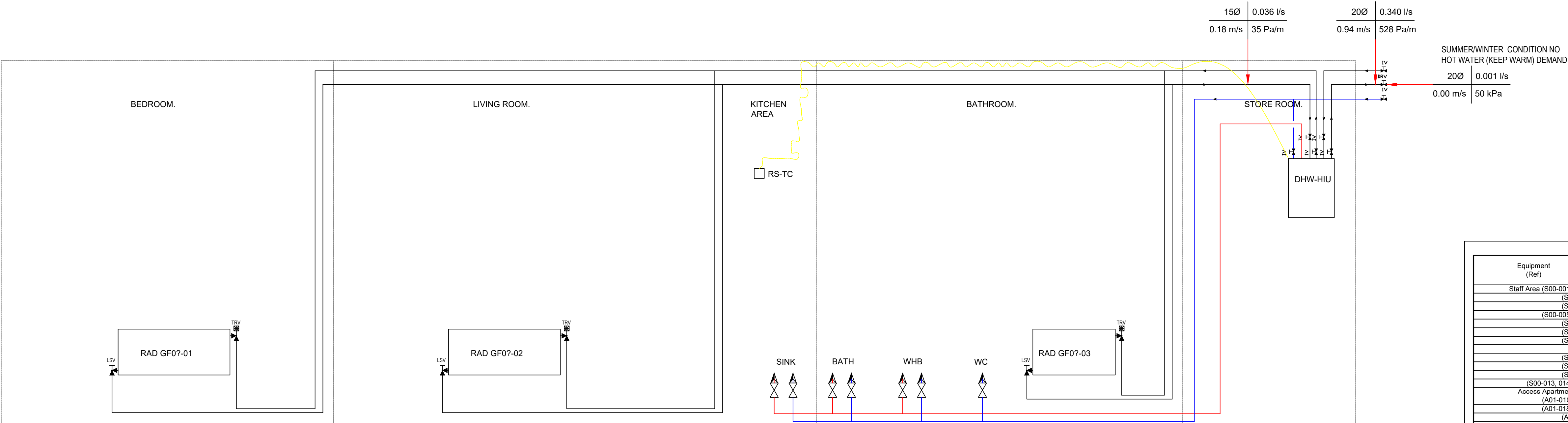
DRAWING LEGEND

- WV WHEEL VALVE
LSV LOCK SHIELD VALVE
BV(LD) BALL VALVE < LEVER OPERATED
BV(SD) BALL VALVE < SLDT OPERATED
DRV DOUBLE REGULATING VALVE
NRV NDN RETURN VALVE
M MEASURING POINT
SV SAFETY VALVE
DOC DRAIN OFF COCK
AAV AUTO AIR VENT
AV AIR VENT
ST STRAINER
DCV DOUBLE CHECK VALVE
DPV DIFFERENTIAL PRESSURE VALVE
PICV PRESSURE INDEPENDENT CONTROL VALVE
IS IMMERSSION SENSOR
DS ROOM SENSOR
RS OUTSIDE SENSOR
IT IMMERSION THERMOSTAT
RT ROOM THERMOSTAT
OT OUTSIDE THERMOSTAT

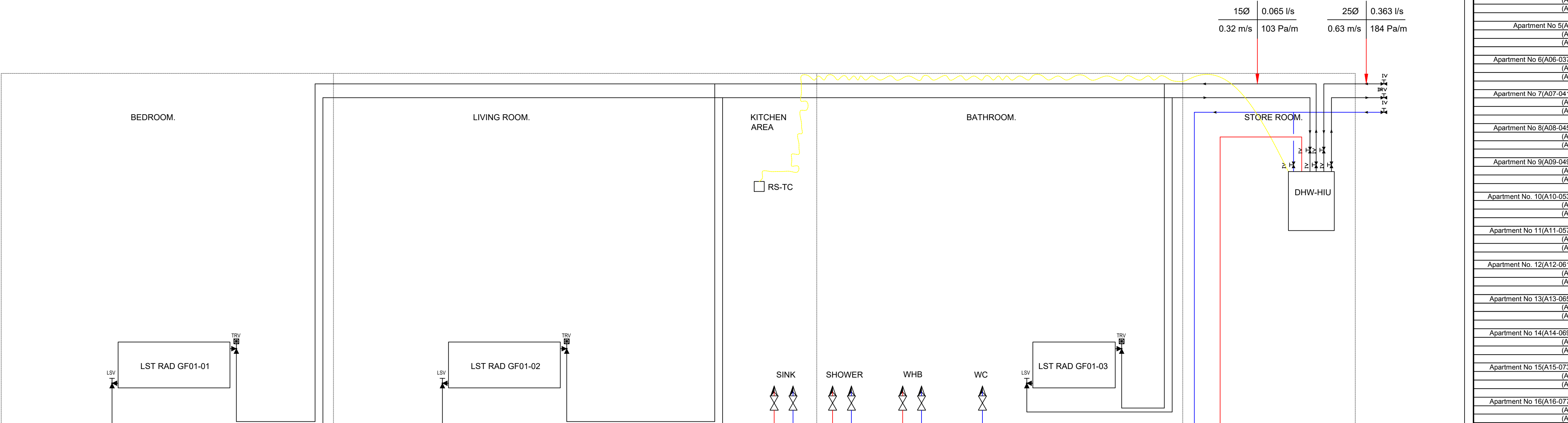
STANDARD RESIDENTIAL WITH SHOWER



STANDARD RESIDENTIAL WITH BATH



ACCESSIBLE RESIDENTIAL WITH SHOWER



RADIATOR SCHEDULE

Equipment (Ref)	Room Location	Active Emitter Panel Size L x W (m)	Unit Output (kW)	Design Area Duty (kW)	Number of Units	Achieved Duty (kW)
Staff Area (S00-001 & 002)	Meeting Room	13.20	800	500	774	1.548
(S00-003)	Access WC	4.00	600	500	516	0.858
(S00-004)	Access WC	4.00	600	500	516	0.858
(S00-005 & 006)	Reception	6.40	600	500	516	1.032
(S00-007)	Office	10.50	1400	500	1204	1.204
(S00-008)	Manager	9.90	1200	500	1032	1.132
(S00-009)	Staff WC	4.00	600	500	516	0.858
(S00-010)	Cleaners	2.70	0	500	0	0.000
(S00-011)	Staff Kitchen	2.70	0	500	0	0.000
(S00-012)	Laundry	4.30	600	500	516	0.858
(S00-013)	Entry Lobby	20.60	800	500	774	2.472
(S00-014 & 015)	Bedroom	20.60	800	500	774	2.472
Access Apartment No. 1 (A01-018 & 019)	Kitchen/Living	29.80	1400	500	1204	3.480
(A01-018 & 019)	Bedroom	24.20	1000	500	660	1.320
(A01-020)	Bathroom	8.10	1000	500	660	0.972
Apartment No 2 (A02-021 & 022)	Store Room	1.00	0	500	0	0.000
(A02-023)	Kitchen/Living	13.30	800	500	774	1.548
(A02-024)	Bedroom	6.80	1000	500	660	0.888
(A02-025)	Bathroom	4.10	500	430	0.492	0.430
Apartment No 3 (A03-026 & 027)	Store Room	1.00	0	500	0	0.000
(A03-028)	Kitchen/Living	15.20	1100	500	948	1.824
(A03-029)	Bedroom	7.80	1100	500	948	0.948
(A03-030)	Bathroom	4.10	500	430	0.492	0.430
Apartment No 4 (A04-031 & 032)	Store Room	1.00	0	500	0	0.000
(A04-033)	Kitchen/Living	16.10	1100	500	948	1.932
(A04-034)	Bedroom	6.20	800	500	774	0.774
(A04-035)	Bathroom	3.50	500	430	0.492	0.430
Apartment No 5 (A05-036 & 037)	Store Room	1.00	0	500	0	0.000
(A05-038)	Kitchen/Living	12.20	800	500	774	1.548
(A05-039)	Bedroom	6.80	800	500	774	0.774
(A05-040)	Bathroom	4.00	500	430	0.492	0.430
Apartment No 6 (A06-041 & 042)	Store Room	1.00	0	500	0	0.000
(A06-043)	Kitchen/Living	17.50	1200	500	1032	2.100
(A06-044)	Bedroom	7.00	1200	500	860	0.860
(A06-045)	Bathroom	4.20	600	500	516	0.516
Apartment No 7 (A07-046 & 047)	Store Room	1.00	0	500	0	0.000
(A07-048)	Kitchen/Living	14.60	1000	500	860	1.732
(A07-049)	Bedroom	6.80	1000	500	860	0.860
(A07-050)	Bathroom	3.00	700	602	0.602	0.602
Apartment No 8 (A08-051 & 052)	Store Room	1.00	0	500	0	0.000
(A08-053)	Kitchen/Living	12.20	800	500	774	1.548
(A08-054)	Bedroom	6.80	800	500	774	0.774
(A08-055)	Bathroom	4.00	500	430	0.492	0.430
Apartment No 9 (A09-056 & 057)	Store Room	1.00	0	500	0	0.000
(A09-058)	Kitchen/Living	14.80	800	500	860	1.732
(A09-059)	Bedroom	7.40	800	500	860	0.860
(A09-060)	Bathroom	3.00	700	602	0.602	0.602
Apartment No 10 (A10-061 & 062)	Store Room	1.00	0	500	0	0.000
(A10-063)	Kitchen/Living	11.80	800	500	774	1.416
(A10-064)	Bedroom	6.50	800	500	774	0.774
(A10-065)	Bathroom	4.10	500	430	0.492	0.430
Apartment No 11 (A11-066 & 067)	Store Room	1.00	0	500	0	0.000
(A11-068)	Kitchen/Living	10.50	1100	500	840	1.680
(A11-069)	Bedroom	7.40	1000	500	860	0.860
(A11-070)	Bathroom	2.40	600	516	0.516	0.516
Apartment No 12 (A12-071 & 072)	Store Room	1.00	0	500	0	0.000
(A12-073)	Kitchen/Living	16.00	1100	500	948	1.892
(A12-074)	Bedroom	6.40	800	500	774	0.774
(A12-075)	Bathroom	3.80	500	430	0.492	0.430
Apartment No 13 (A13-076 & 077)	Store Room	1.00	0	500	0	0.000
(A13-078)	Kitchen/Living	11.80	800	500	774	1.416
(A13-079)	Bedroom	6.50	800	500	774	0.774
(A13-080)	Bathroom	4.20	600	516	0.516	0.516
Apartment No 14 (A14-081 & 082)	Store Room	1.00	0	500	0	0.000
(A14-083)	Kitchen/Living	11.50	800	500	680	1.360
(A14-084)	Bedroom	6.40	800	500	774	0.774
(A14-085)	Bathroom	4.20	600	516	0.516	0.516
Apartment No 15 (A15-086 & 087)	Store Room	1.00	0	500	0	0.000
(A15-088)	Kitchen/Living	16.90	1200	500	1032	2.064
(A15-089)	Bedroom	6.40	800	500	774	0.774
(A15-090)	Bathroom	3.50	500	430	0.492	0.430
Apartment No 16 (A16-091 & 092)	Store Room	1.00	0	500	0	0.000
(A16-093)	Kitchen/Living	16.10	1100	500	948	1.892
(A16-094)	Bedroom	7.80	1100	500	948	0.948
(A16-095)	Bathroom	4.10	500	430	0.492	0.430
Apartment No 17 (A17-096 & 097)	Store Room	1.00	0	500	0	0.000
(A17-098)	Kitchen/Living	11.80	800	500	774	1.416
(A17-099)	Bedroom	6.50	1100	500	840	0.780
(A17-100)	Bathroom	4.10	500	430	0.492	0.430
Apartment No 18 (A18-101 & 102)	Store Room	1.00	0	500	0	0.000
(A18-103)	Kitchen/Living	12.10	800	500	774	1.440
(A18-104)	Bedroom	6.50	800	500	774	0.780
(A18-105)	Bathroom	4.20	600	516	0.516	0.516
Apartment No 19 (A19-106 & 107)	Store Room	1.00	0	500	0	0.000
(A19-108)	Kitchen/Living	14.90	1100	500	948	1.788
(A19-109)	Bedroom	7.80	1100	500	948	0.948
(A19-110)	Bathroom	4.10	600	516	0.492	0.516
Apartment No 20 (A20-111 & 112)	Store Room	1.00	0	500	0	0.000
(A20-113)	Kitchen/Living	12.70	800	500	774	1.624
(A20-114)	Bedroom	7.40	1200	500	860	0.860
(A20-115)	Bathroom	5.20	700	602	0.624	0.602
Apartment No 21 (A21-116 & 117)	Store Room	1.00	0	500	0	0.000
(A21-118)	Kitchen/Living	17.20	1200	500	1032	2.064
(A21-119)	Bedroom	6.80	1200	500	1032	1.032
(A21-120)	Bathroom	4.10	600	516	0.492	0.516
Apartment No 22 (A22-121 & 122)	Store Room	1.00	0	500	0	0.000
(A22-123)	Kitchen/Living	19.70	1400	500	1204	2.408
(A22-124)	Bedroom	11.00	1400	500	1204	1.204
(A22-125)	Bathroom	4.10	600	516	0.492	0.516
Apartment No 23 (A23-126 & 127)	Store Room	1.00	0	500	0	0.000
(A23-128)	Kitchen/Living	17.80	1400	500	1204	2.408
(A23-129)	Bedroom	8.90	1200	500	1032	1.032
(A23-130)	Bathroom	4.10	600	516	0.492	0.516
Apartment No 24 (A24-131 & 132)	Store Room	1.00	0	500	0	0.000
(A24-133)	Kitchen/Living	19.70	1400	500	1204	2.408
(A24-134)	Bedroom	11.50	1400	500	1204	1.204
(A24-135)	Bathroom	4.10	600	516	0.492	0.516
Corridor (C01-C02-136 & 137)	Access Apartment	6.10	1100	500	840	0.840
Corridor (C03-C04-138 & 139)	Access Apartment	13.00	800	500	774	1.548
Corridor (C05-C06-140 & 141)	Access Apartment	13.00	800	500	774	1.548
Corridor (C07-C08-142 & 143)	Access Apartment	13.00	800	500	774	1.548
Corridor (C09-C10-144 & 145)	Access Apartment	13.00	800	500	774	1.548
Corridor (C11-C12-146 & 147)	Access Apartment	13.00	800	500	774	1.548
Corridor (C13-C14-148 & 149)	Access Apartment	13.00	800	500	774	1.548
Corridor (C15-C16-150 & 151)	Access Apartment	13.00	800	500	774	1.548
Corridor (C17-C18-152 & 153)	Access Apartment	13.00	800	500	774	1.548
Corridor (C19-C20-154 & 155)	Access Apartment	13.00	800	500	774	1.548
Corridor (C21-C22-156 & 157)	Access Apartment	13.00	800	500	774	1.548
Corridor (C23-C24-158 & 159)	Access Apartment	13.00	800	500	774	1.548
Corridor (C25-C26-160 & 161)	Access Apartment	13.00	800	500	774	1.548
Corridor (C27-C28-162 & 163)	Access Apartment	13.00	800	500	774	1.548
Corridor (C29-C30-164 & 165)	Access Apartment	13.00	800	500	774	1.548
Corridor (C31-C32-166 & 167)	Access Apartment	13.00	800	500	774	1.548
Corridor (C33-C34-168 & 169)	Access Apartment	13.00	800	500	774	1.548
Corridor (C35-C36-170 & 171)	Access Apartment	13.00	800	500	774	1.548
Corridor (C37-C38-172 & 173)	Access Apartment	13.00	800	500	774	1.548
Corridor (C39-C40-174 & 175)	Access Apartment	13.00	800	500	774	1.548
Corridor (C41-C42-176 & 177)	Access Apartment	13.00	800	500	774	1.548
Corridor (C43-C44-178 & 179)	Access Apartment	13.00	800	500	774	1.548
Corridor (C45-C46-180 & 181)	Access Apartment	13.00	800	500	774	1.548
Corridor (C47-C48-182 & 183)	Access Apartment	13.00	800	500	774	1.548
Corridor (C49-C50-184 & 185)	Access Apartment	13.00	800	500	774	1.548
Corridor (C51-C52-186 & 187)	Access Apartment	13.00	800	500	774	1.548
Corridor (C53-C54-188 & 189)	Access Apartment	13.00	800	500	774	1.548
Corridor (C55-C56-190 & 191)	Access Apartment	13.00	800	500	774	1.548
Corridor (C57-C58-192 & 193)	Access Apartment	13.00	800	500	774	1.548
Corridor (C59-C60-194 & 195)	Access Apartment	13.00	800	500	774	1.548
Corridor (C61-C62-196 & 197)	Access Apartment	13.00	800	500	774	1.548
Corridor (C63-C64-198 & 199)	Access Apartment	13.00	800	500	774	1.548
Corridor (C65-C66-200 & 201)	Access Apartment	13.00	800	500	774	1.548
Corridor (C67-C68-202 & 203)	Access Apartment	13.00	800	500	774	1.548
Corridor (C69-C70-204 & 205)	Access Apartment	13.00	800	500	774	1.548
Corridor (C71-C72-206 & 207)	Access Apartment	13.00	800	500	774	1.548
Corridor (C73-C74-208 & 209)	Access Apartment	13.00	800	500	774	1.548
Corridor (C75-C76-210 & 211)	Access Apartment	13.00	800	500	774	1.548
Corridor (C77-C78-212 & 213)	Access Apartment	13.00	800	500	774	1.548
Corridor (C79-C80-214 & 215)	Access Apartment	13.00	800	500	774	1.548
Corridor (C81-C82-216 & 217)	Access Apartment	13.00	800	500	774	1.548
Corridor (C83-C84-218 & 219)	Access Apartment	13.00	800	500	774	1.548
Corridor (C85-C86-220 & 221)	Access Apartment	13.00	800	500	774	1.548</