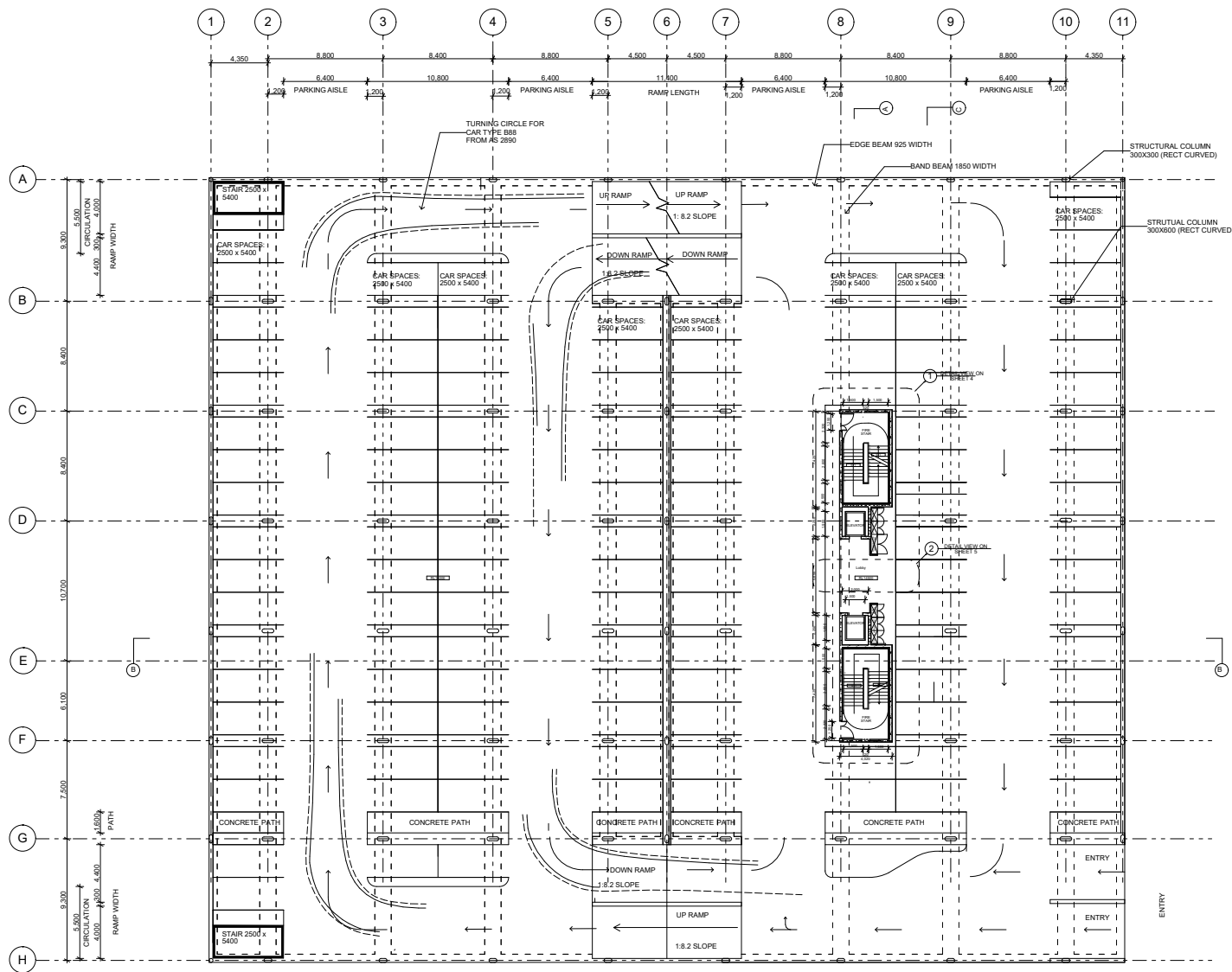
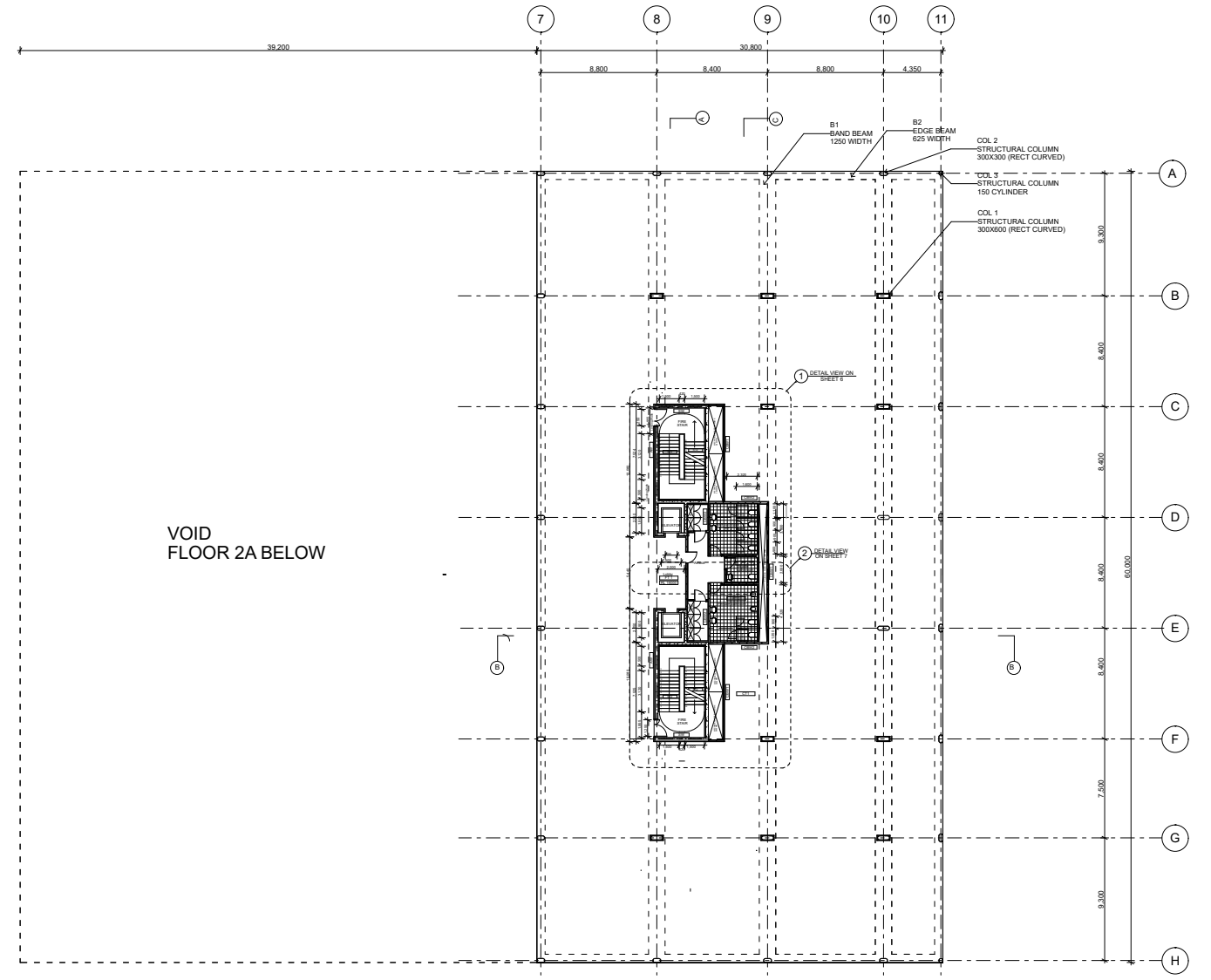


TILTE:	PAGE
DETAIL PLANS 1 1:500	2
DETAIL PLANS 2 1:500	3
CARPARK COR EDETAIL 1 1:50	4
CARPARK CORE DETAIL 2 1:50	5
OFFICE CORE DETAIL 1 1:50	6
OFFICE CORE DETAIL 2 1:50	7
SECTION A-A 1: 250	8
SECTION A-A DETAIL 1:50	9
SECTION B-B 1: 250	10
SECTION B-B DETAIL 1:50	11
SECTION C-C 1: 250	12
SECTION C-C DETAIL 1:50	13

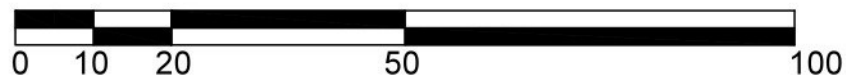
TITLE: BUILT 3 ASSIGNMENT 2 – CORE DESIGN, DETAILING AND DOCUMENTATION BY JONATHAN LE CHUNG (U3169326) TUTOR: JOHN TING		WALL TYPE: AW: ACOUSTIC CONSTRUCTION 200MM STRUCTUAL CONCRTE 20MM AIR GAP 90MM STEEL STUD AT 600MM CNETRE 13MM PLASTERBOARD	CBW2: CONCRET BLOCK WALL 1 13MM PLASTERBOARD 29MM FURRING CHANNEL AT 600 CENTER 90MM CONCRETE BLOCK 29MM FURRING CHANNEL AT 600 CENTER 13MM PLASTERBOARD	STAIRS ST 1: CARPARK STAIR RISE 150 GOING 260 STEPS 3000/ 150 = 20 STEPS SLOPE RELATION 2x150+260=300+260=560 MIN 540 MAX 700	CEILING TYPE CT2: CEILING TILES 1200MM X 600MM	 UNIVERSITY OF CANBERRA
CALCULATION OF STAIR WIDTH OFFICE SPACE:30800MM X 60000 AREA= 1848MSQ MUTIPLY .8 FOR CORE=1478.4 MSQ DIVIDE BY = 147.84 TOTAL OF PEOPLE = 148 PEOPLE	STAIR WIDTH = 1000MM + 250MM FOR EVERY 25 PEOPLE ABOVE 100. AS THERE IS 48 MORE ROUND TO 50 THEREFORE STAIR WIDTH IS 1000 +500= 1500M. THEREFORE, STAIR WIDTH IS 1500 AND EXIT WIDTTH IS 1500-250= 1250MM	SW: STANDARD CONSTRUCTION 200MM STRUCTURAL CONCRETE 90MM STEEL STUD AT 600 CENTRE 13MM PLASTERBOARD CBW1: CONCRET BLOCK WALL 1 90MM CONCRETE BLOCK 29MM FURRING CHANNEL AT 600 CENTER 13MM PLASTERBOARD	FLOOR TYPE: CT 1: CARPET TILE 1 1200MM X 600MM TILES ON A SURFACE LEVELING COMPOUND FT 1 :FLOOR TILE 1 25MMX 1000M BRUSHED TILES A01605 Graphite ON A SURFACE LEVELING COMPOUND FT2: FLOOR TILES 2 600MMX 600MM TILES FIXED ON PLASTER BOARD	ST 2 OFFICE FIRE STAIR RISE 160 GOING 260 STEPS 4000/ 160 = 25 STEPS SLOPE RELATION 2x160+260=320+260=580 MIN 540 MAX 700		



1 CARPARK KEY PLAN
1:500



2 OFFICE KEY PLAN
1:500



SCALE BAR 1:500

TITLE: BUILT 3 ASSIGNMENT 2 – CORE DESIGN, DETAILING AND DOCUMENTATION BY JONATHAN LE CHUNG (U3169326)

CALCULATION OF STAIR WIDTH
OFFICE SPACE:30800MM X 60000
AREA= 1848MSQ
MUTIPLY .8 FOR CORE=1478.4 MSQ
DIVIDE BY = 147.84
TOTAL OF PEOPLE = 148 PEOPLE

STAIR WIDTH = 1000MM + 250MM FOR EVERY
25 PEOPLE ABOVE 100. AS THERE IS 48 MORE
ROUND TO 50 THEREFORE STAIR WIDTH IS 1000 +500=
1500M.
THEREFORE, STAIR WIDTH IS 1500 AND EXIT WIDTTH IS
1500-250= 1250MM

WALL TYPE:
AW: ACOUSTIC CONSTRUCTION
200MM STRUCTUAL CONCRETE
20MM AIR GAP
90MM STEEL STUD AT 600MM CNETRE
13MM PLASTERBOARD

SW: STANDARD CONSTRUCTION
200MM STRUCTURAL CONCRETE
90MM STEEL STUD AT 600 CENTRE
13MM PLASTERBOARD

CBW1: CONCRET BLOCK WALL 1
90MM CONCRETE BLOCK
29MM FURRING CHANNEL AT 600 CENTER
13MM PLASTERBOARD

CBW2: CONCRET BLOCK WALL 1
13MM PLASTERBOARD
29MM FURRING CHANNEL AT 600 CENTER
90MM CONCRETE BLOCK
29MM FURRING CHANNEL AT 600 CENTER
13MM PLASTERBOARD

FLOOR TYPE:
CT 1: CARPET TILE 1
1200MM X 600MM TILES
ON A SURFACE LEVELING COMPOUND
FT 1 :FLOOR TILE 1
25MMX 1000M BRUSHED TILES A01605 Graphite
ON A SURFACE LEVELING COMPOUND
FT2: FLOOR TILES 2
600MMX 600MM TILES FIXED ON PLASTER BOARD

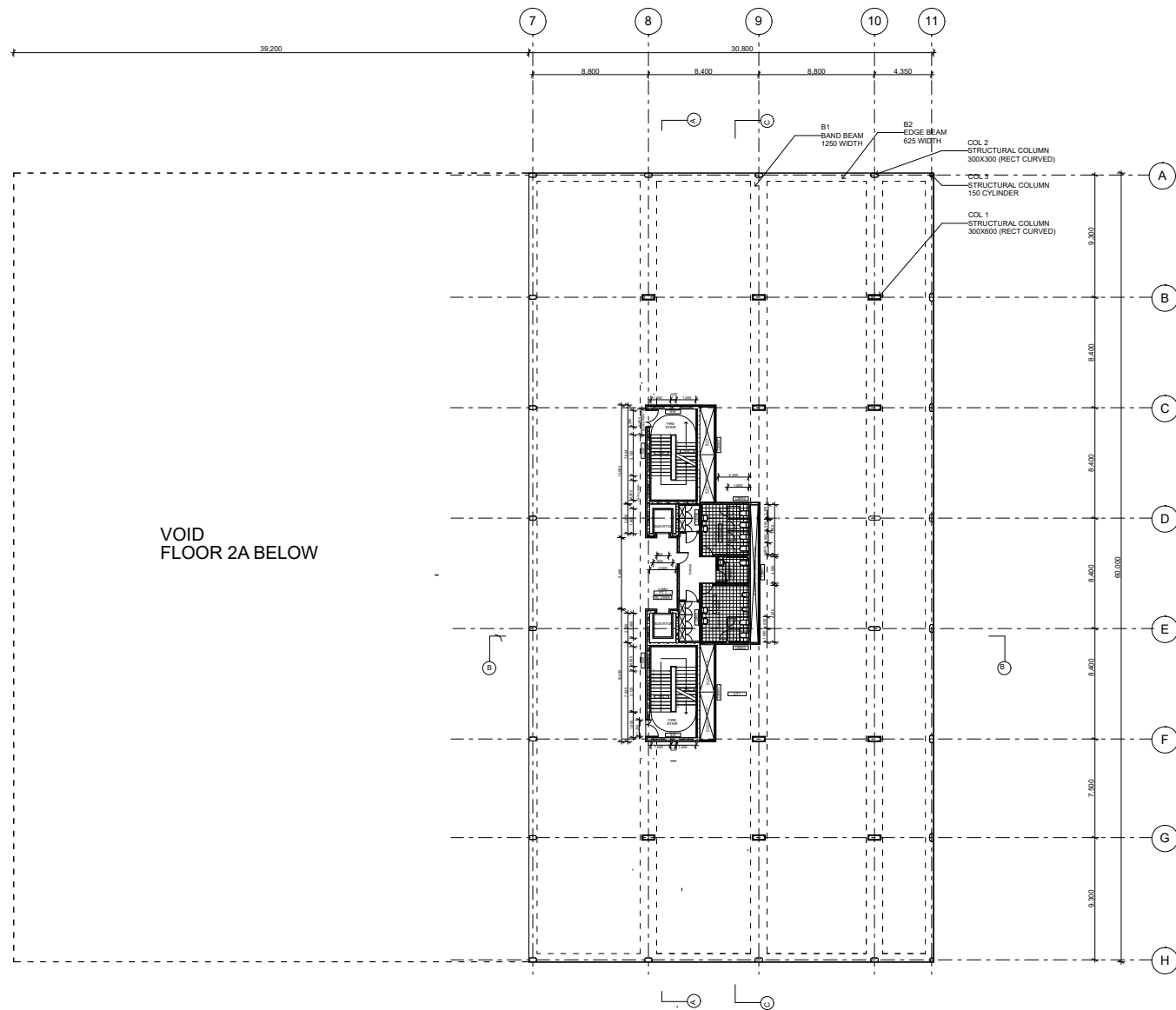
STAIRS
ST 1: CARPARK STAIR
RISE 150
GOING 260
STEPS 3000/ 150 = 20 STEPS
SLOPE RELATION
2x150+260=300+260=560
MIN 540 MAX 700

ST 2
OFFICE FIRE STAIR
RISE 160
GOING 260
STEPS 4000/ 160 = 25 STEPS
SLOPE RELATION
2x160+260=320+260=580
MIN 540 MAX 700

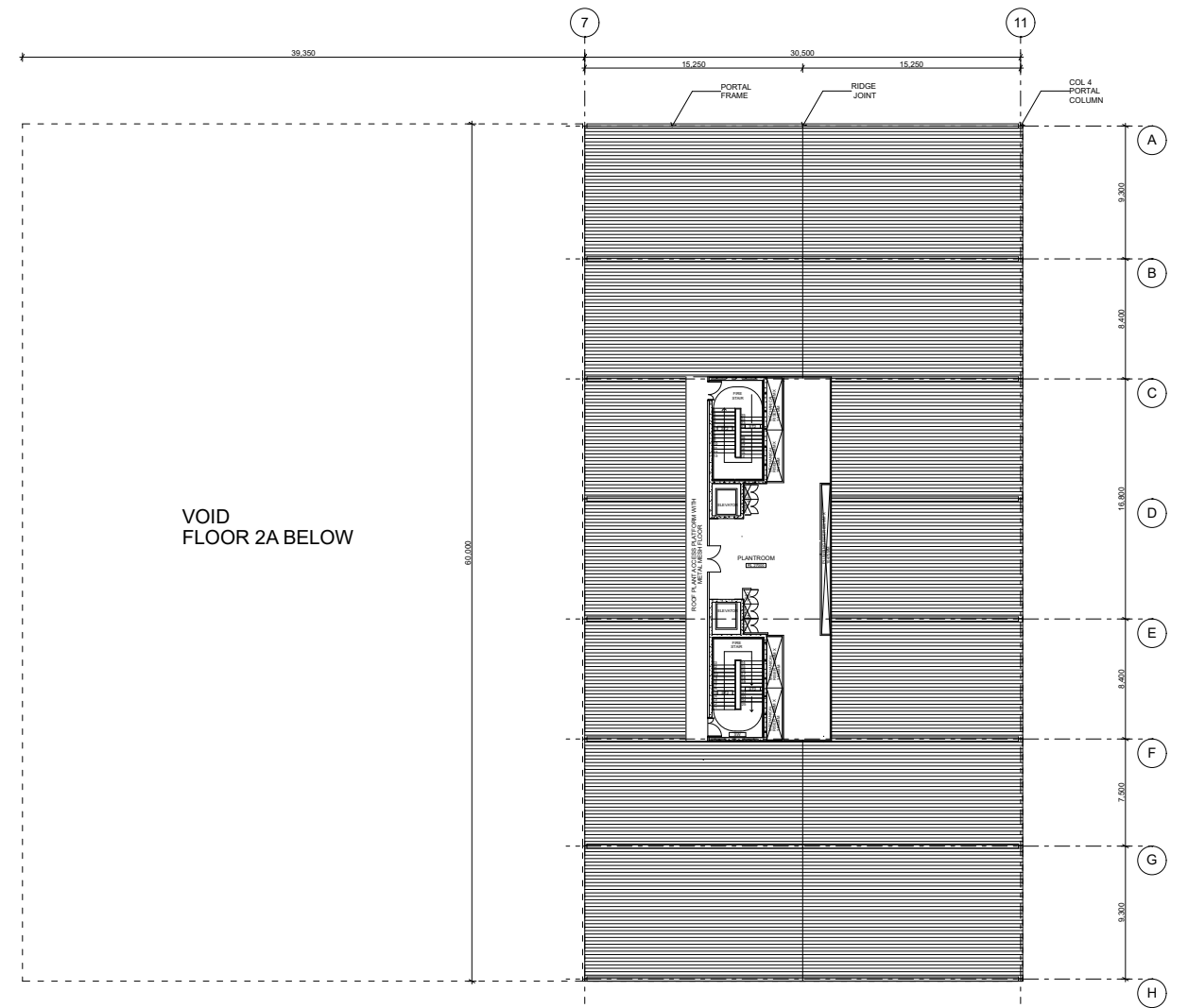
CEILING TYPE
CT2: CEILING TILES 1200MM X 600MM



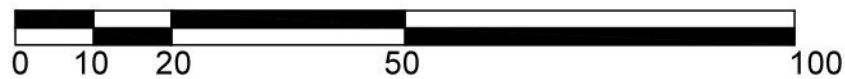
SHEET NO.2



1 SECOND OFFICE KEY PLAN
1:500



2 PLANTROOM KEYPLAN
1:500



SCALE BAR 1:500

TITLE: BUILT 3
ASSIGNMENT 2 – CORE DESIGN, DETAILING AND DOCUMENTATION
BY JONATHAN LE CHUNG (U3169326)

CALCULATION OF STAIR WIDTH
OFFICE SPACE: 30800MM X 60000
AREA = 1848MSQ
MULTIPLY .8 FOR CORE = 1478.4 MSQ
DIVIDE BY = 147.84
TOTAL OF PEOPLE = 148 PEOPLE

STAIR WIDTH = 1000MM + 250MM FOR EVERY
25 PEOPLE ABOVE 100. AS THERE IS 48 MORE
ROUND TO 50 THEREFORE STAIR WIDTH IS 1000 + 500 =
1500MM.
THEREFORE, STAIR WIDTH IS 1500 AND EXIT WIDTH IS
1500 - 250 = 1250MM

WALL TYPE:
AW: ACOUSTIC CONSTRUCTION
200MM STRUCTURAL CONCRETE
20MM AIR GAP
90MM STEEL STUD AT 600MM CNETRE
13MM PLASTERBOARD

SW: STANDARD CONSTRUCTION
200MM STRUCTURAL CONCRETE
90MM STEEL STUD AT 600 CENTRE
13MM PLASTERBOARD

CBW1: CONCRET BLOCK WALL 1
90MM CONCRETE BLOCK
29MM FURRING CHANNEL AT 600 CENTER
13MM PLASTERBOARD

CBW2: CONCRET BLOCK WALL 1
13MM PLASTERBOARD
29MM FURRING CHANNEL AT 600 CENTER
90MM CONCRETE BLOCK
29MM FURRING CHANNEL AT 600 CENTER
13MM PLASTERBOARD

FLOOR TYPE:
CT 1: CARPET TILE 1
1200MM X 600MM TILES
ON A SURFACE LEVELING COMPOUND
FT 1 : FLOOR TILE 1
25MMX 1000M BRUSHED TILES A01605 Graphite
ON A SURFACE LEVELING COMPOUND
FT2: FLOOR TILES 2
600MMX 600MM TILES FIXED ON PLASTER BOARD

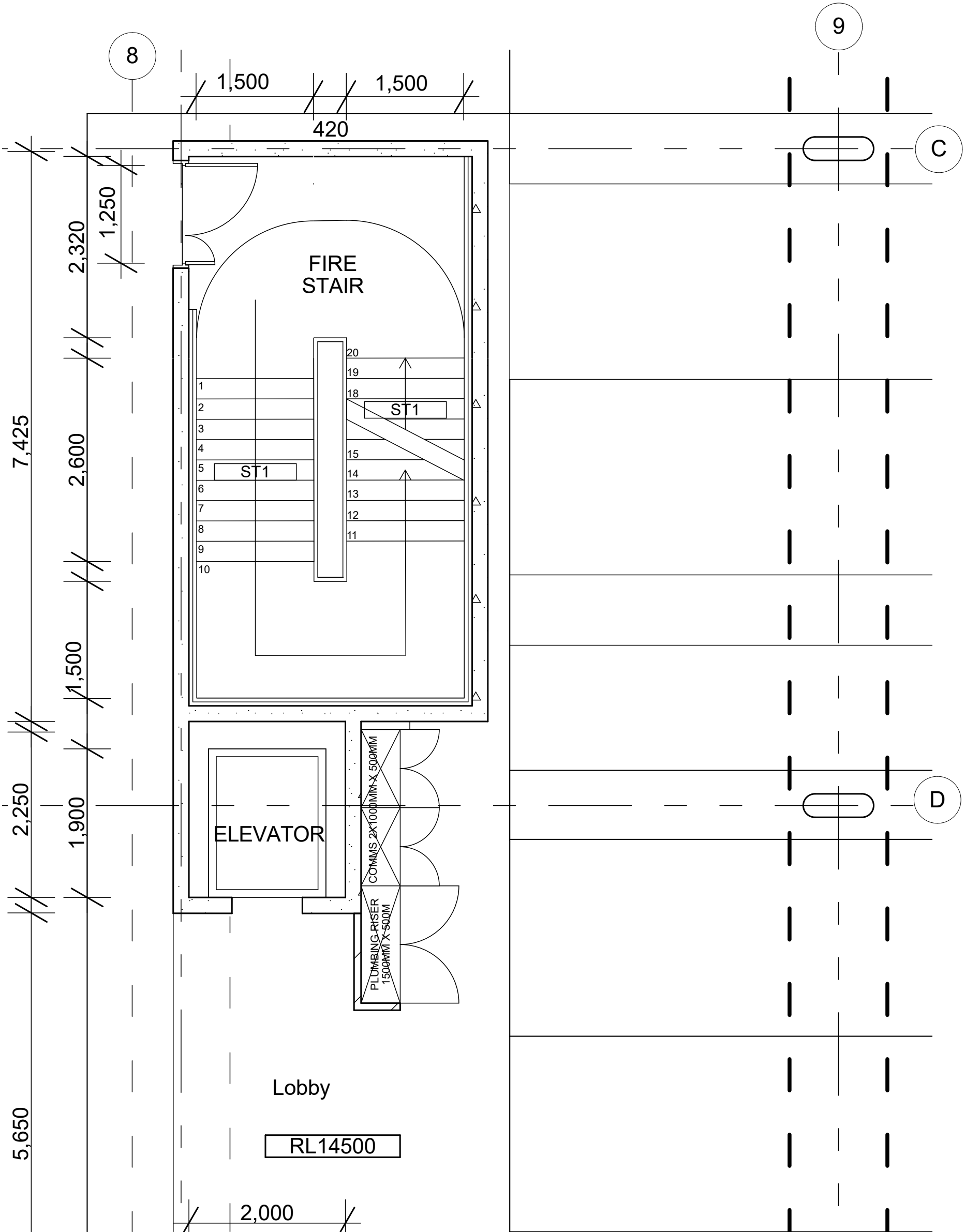
STAIRS
ST 1: CARPARK STAIR
RISE 150
GOING 260
STEPS 3000/ 150 = 20 STEPS
SLOPE RELATION
2x150+260=300+260=560
MIN 540 MAX 700

ST 2
OFFICE FIRE STAIR
RISE 160
GOING 260
STEPS 4000/ 160 = 25 STEPS
SLOPE RELATION
2x160+260=320+260=580
MIN 540 MAX 700

CEILING TYPE
CT2: CEILING TILES 1200MM X 600MM



SHEET NO.3



TITLE: BUILT 3
ASSIGNMENT 2 – CORE DESIGN, DETAILING AND DOCUMENTATION
BY JONATHAN LE CHUNG (U3169326)

1 CARPARK CORE DETAIL
1:50



- WALL TYPE:
AW: ACOUSTIC CONSTRUCTION
200MM STRUCTURAL CONCRTE
20MM AIR GAP
90MM STEEL STUD AT 600MM CNETRE
13MM PLASTERBOARD
- SW: STANDARD CONSTRUCTION
200MM STRUCTURAL CONCRETE
90MM STEEL STUD AT 600 CENTRE
13MM PLASTERBOARD
- CBW1: CONCRET BLOCK WALL 1
90MM CONCRETE BLOCK
29MM FURRING CHANNEL AT 600 CENTER
13MM PLASTERBOARD
- CBW2: CONCRET BLOCK WALL 1
13MM PLASTERBOARD
29MM FURRING CHANNEL AT 600 CENTER
90MM CONCRETE BLOCK
29MM FURRING CHANNEL AT 600 CENTER
13MM PLASTERBOARD
- FLOOR TYPE:
CT 1: CARPET TILE 1
1200MM X 600MM TILES
ON A SURFACE LEVELING COMPOUND
FT 1 :FLOOR TILE 1
25MMX 1000M BRUSHED TILES A01605 Graphite
ON A SURFACE LEVELING COMPOUND
FT2: FLOOR TILES 2
600MMX 600MM TILES FIXED ON PLASTER BOARD

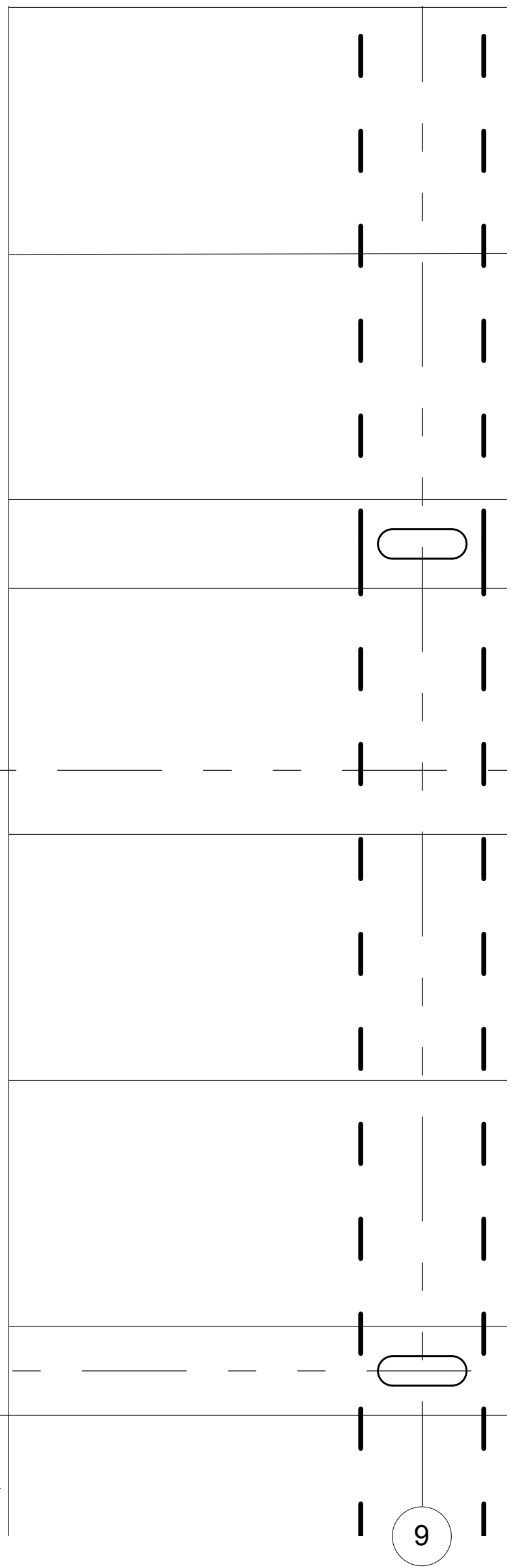
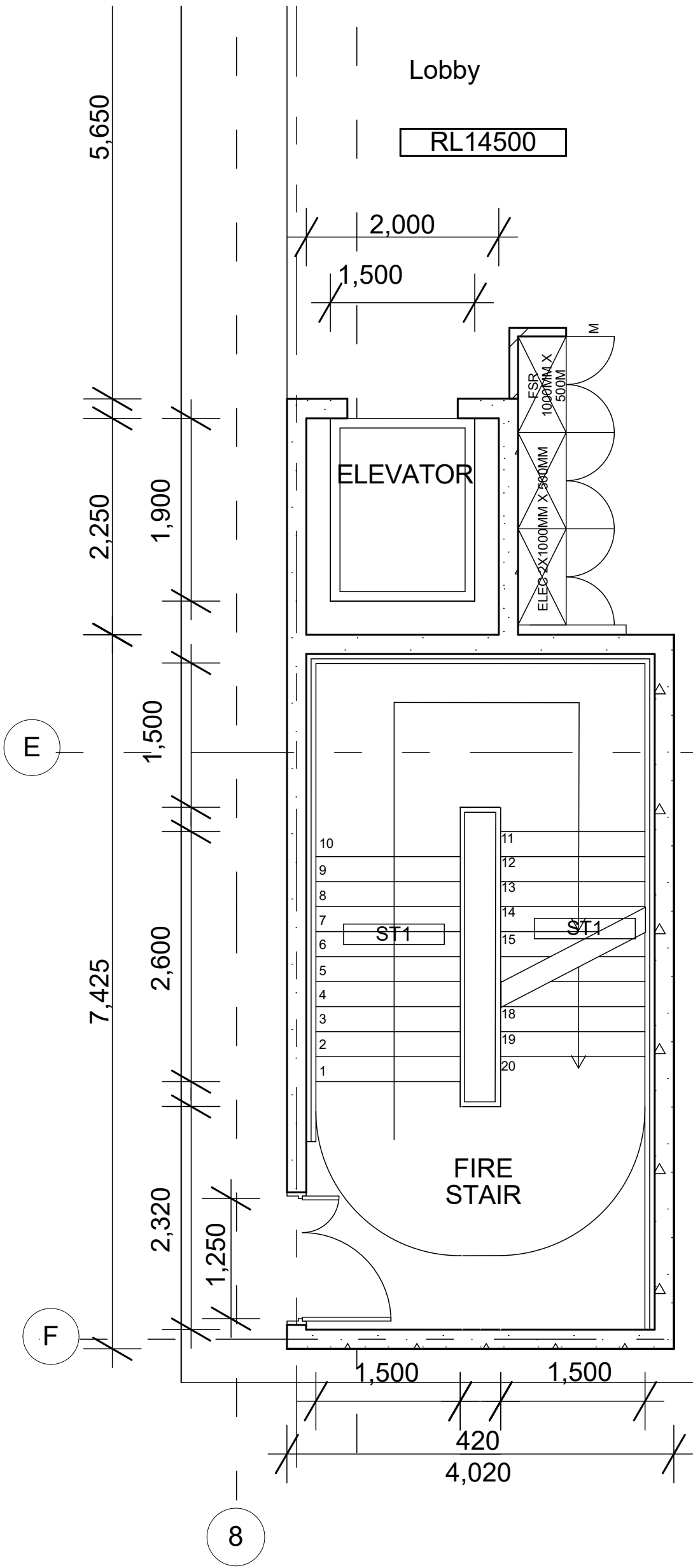
- STAIRS
ST 1: CARPARK STAIR
RISE 150
GOING 260
STEPS 3000/ 150 = 20 STEPS
SLOPE RELATION
2x150+260=300+260=560
MIN 540 MAX 700
- ST 2
OFFICE FIRE STAIR
RISE 160
GOING 260
STEPS 4000/ 160 = 25 STEPS
SLOPE RELATION
2x160+260=320+260=580
MIN 540 MAX 700
CEILING TYPE
CT2: CEILING TILES 1200MM X 600MM

CALCULATION OF STAIR WIDTH
OFFICE SPACE:30800MM X 60000
AREA= 1848MSQ
MUTIPLY .8 FOR CORE=1478.4 MSQ
DIVIDE BY = 147.84
TOTAL OF PEOPLE = 148 PEOPLE

STAIR WIDTH = 1000MM + 250MM FOR EVERY
25 PEOPLE ABOVE 100. AS THERE IS 48 MORE
ROUND TO 50 THEREFORE STAIR WIDTH IS
1000 +500= 1500M.
THEREFORE, STAIR WIDTH IS 1500 AND EXIT WIDTTH IS
1500-250= 1250MM

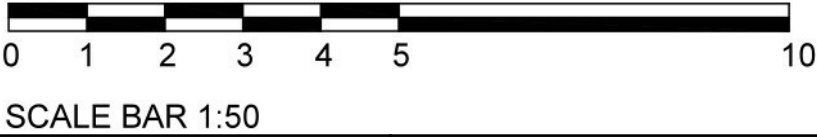


SHEET NO.4



TITLE: BUILT 3
ASSIGNMENT 2 – CORE DESIGN, DETAILING AND DOCUMENTATION
BY JONATHAN LE CHUNG (U3169326)

1 CARPARK CORE DETAIL
1:50



WALL TYPE:
AW: ACOUSTIC CONSTRUCTION
200MM STRUCTURAL CONCRTE
20MM AIR GAP
90MM STEEL STUD AT 600MM CNETRE
13MM PLASTERBOARD

SW: STANDARD CONSTRUCTION
200MM STRUCTURAL CONCRETE
90MM STEEL STUD AT 600 CENTRE
13MM PLASTERBOARD

CBW1: CONCRET BLOCK WALL 1
90MM CONCRETE BLOCK
29MM FURRING CHANNEL AT 600 CENTER
13MM PLASTERBOARD

CBW2: CONCRET BLOCK WALL 1
13MM PLASTERBOARD
29MM FURRING CHANNEL AT 600 CENTER
90MM CONCRETE BLOCK
29MM FURRING CHANNEL AT 600 CENTER
13MM PLASTERBOARD

FLOOR TYPE:
CT 1: CARPET TILE 1
1200MM X 600MM TILES
ON A SURFACE LEVELING COMPOUND
FT 1 :FLOOR TILE 1
25MMX 1000M BRUSHED TILES A01605 Graphite
ON A SURFACE LEVELING COMPOUND
FT2: FLOOR TILES 2
600MMX 600MM TILES FIXED ON PLASTER BOARD

STAIRS
ST 1: CARPARK STAIR
RISE 150
GOING 260
STEPS 3000/ 150 = 20 STEPS
SLOPE RELATION
2x150+260=300+260=560
MIN 540 MAX 700

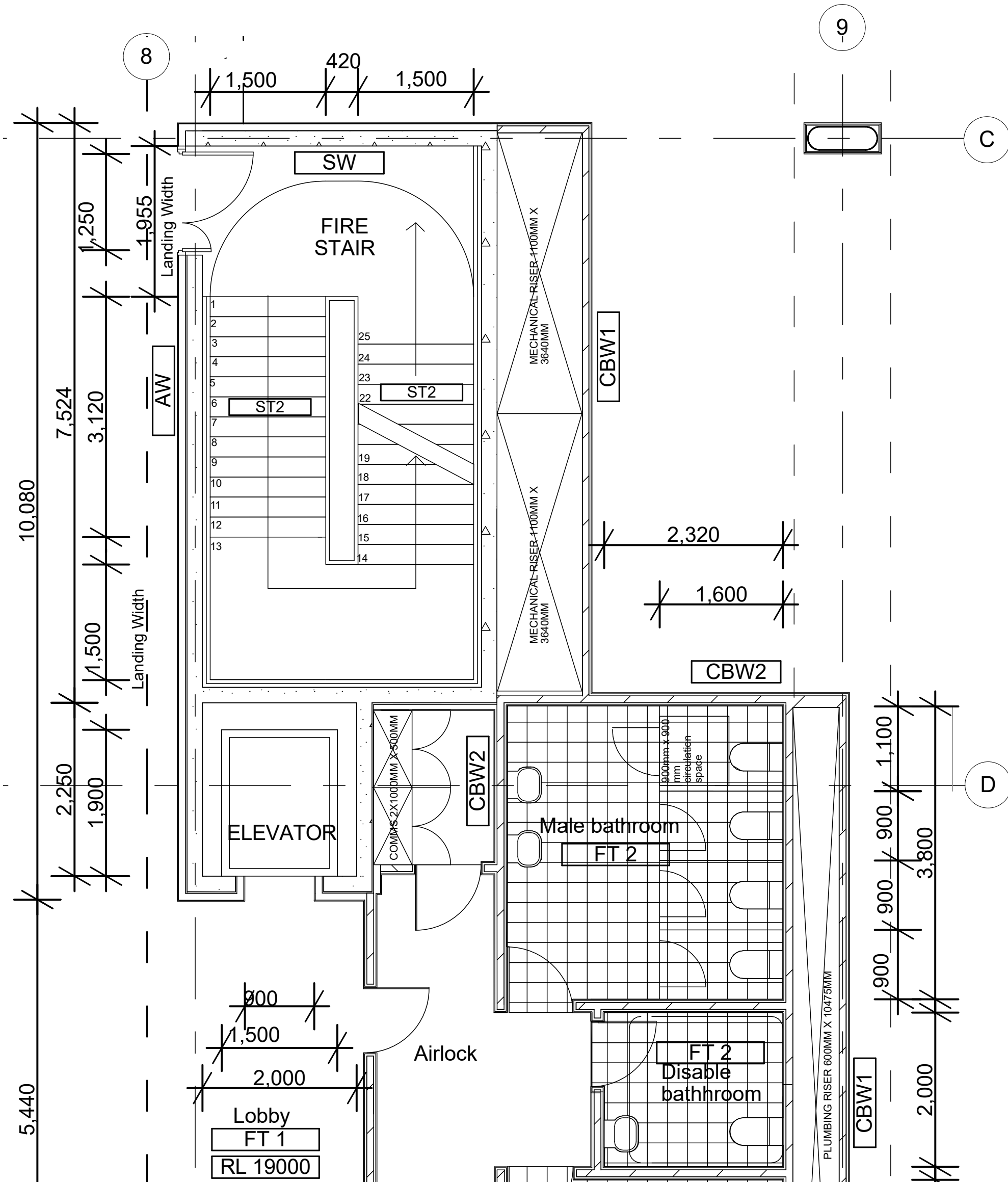
ST 2
OFFICE FIRE STAIR
RISE 160
GOING 260
STEPS 4000/ 160 = 25 STEPS
SLOPE RELATION
2x160+260=320+260=580
MIN 540 MAX 700
CEILING TYPE
CT2: CEILING TILES 1200MM X 600MM

CALCULATION OF STAIR WIDTH
OFFICE SPACE:30800MM X 60000
AREA= 1848MSQ
MUTIPLY .8 FOR CORE=1478.4 MSQ
DIVIDE BY = 147.84
TOTAL OF PEOPLE = 148 PEOPLE

STAIR WIDTH = 1000MM + 250MM FOR EVERY
25 PEOPLE ABOVE 100. AS THERE IS 48 MORE
ROUND TO 50 THEREFORE STAIR WIDTH IS
1000 +500= 1500M.
THEREFORE, STAIR WIDTH IS 1500 AND EXIT WIDTTH IS
1500-250= 1250MM



SHEET NO.5



TITLE: BUILT 3
ASSIGNMENT 2 – CORE DESIGN, DETAILING AND DOCUMENTATION
BY JONATHAN LE CHUNG (U3169326)

1 OFFICE CORE DETAIL
1:50



WALL TYPE:
AW: ACOUSTIC CONSTRUCTION
200MM STRUCTUAL CONCRTE
20MM AIR GAP
90MM STEEL STUD AT 600MM CNETRE
13MM PLASTERBOARD

SW: STANDARD CONSTRUCTION
200MM STRUCTURAL CONCRETE
90MM STEEL STUD AT 600 CENTRE
13MM PLASTERBOARD

CBW1: CONCRET BLOCK WALL 1
90MM CONCRETE BLOCK
29MM FURRING CHANNEL AT 600 CENTER
13MM PLASTERBOARD

CBW2: CONCRET BLOCK WALL 1
13MM PLASTERBOARD
29MM FURRING CHANNEL AT 600 CENTER
90MM CONCRETE BLOCK
29MM FURRING CHANNEL AT 600 CENTER
13MM PLASTERBOARD

FLOOR TYPE:
CT 1: CARPET TILE 1
1200MM X 600MM TILES
ON A SURFACE LEVELING COMPOUND
FT 1 :FLOOR TILE 1
25MMX 1000M BRUSHED TILES A01605 Graphite
ON A SURFACE LEVELING COMPOUND
FT2: FLOOR TILES 2
600MMX 600MM TILES FIXED ON PLASTER BOARD

STAIRS
ST 1: CARPARK STAIR
RISE 150
GOING 260
STEPS 3000/ 150 = 20 STEPS
SLOPE RELATION
2x150+260=300+260=560
MIN 540 MAX 700

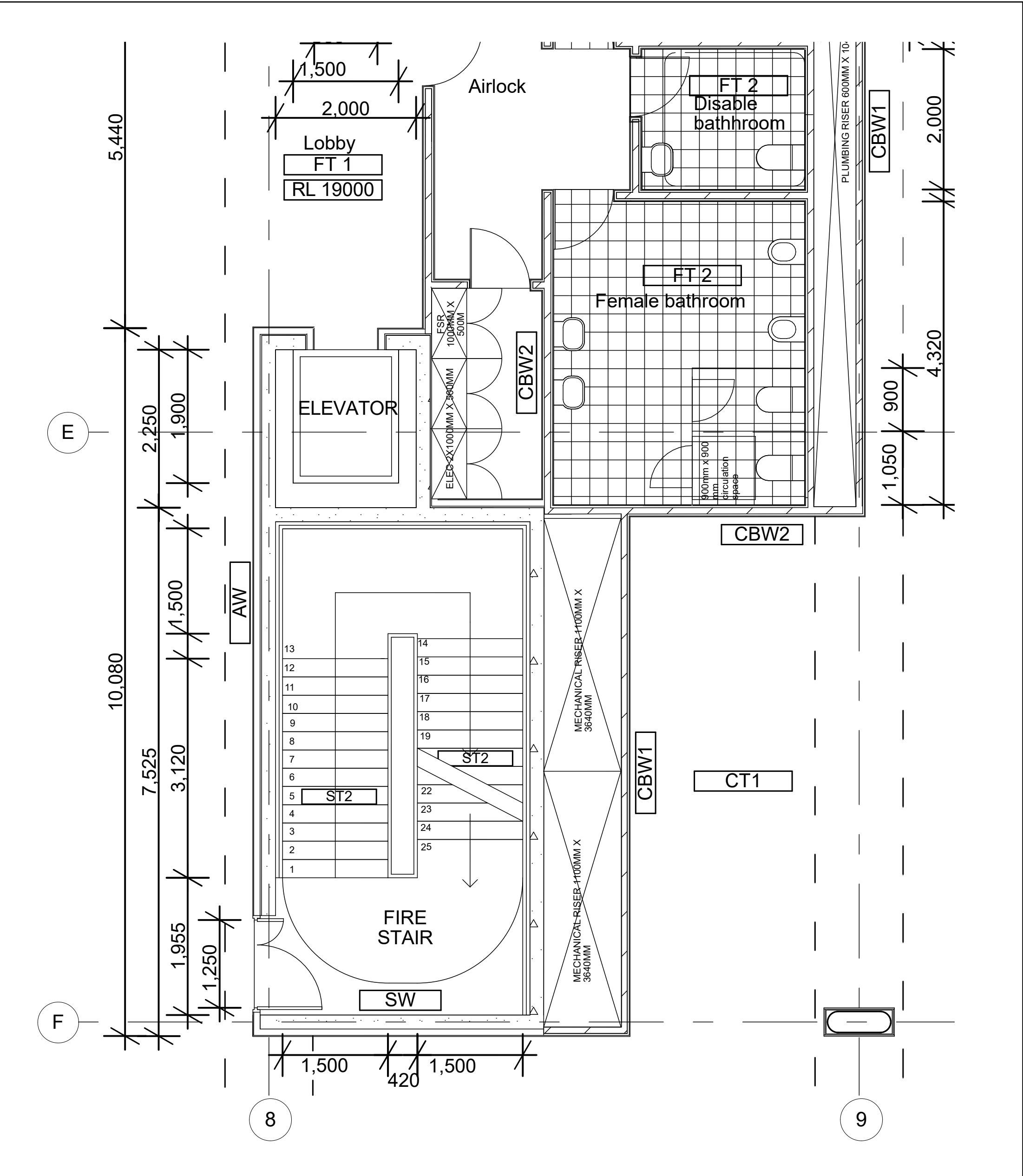
ST 2
OFFICE FIRE STAIR
RISE 160
GOING 260
STEPS 4000/ 160 = 25 STEPS
SLOPE RELATION
2x160+260=320+260=580
MIN 540 MAX 700
CEILING TYPE
CT2: CEILING TILES 1200MM X 600MM

CALCULATION OF STAIR WIDTH
OFFICE SPACE:30800MM X 60000
AREA= 1848MSQ
MUTIPLY .8 FOR CORE=1478.4 MSQ
DIVIDE BY = 147.84
TOTAL OF PEOPLE = 148 PEOPLE

STAIR WIDTH = 1000MM + 250MM FOR EVERY
25 PEOPLE ABOVE 100. AS THERE IS 48 MORE
ROUND TO 50 THEREFORE STAIR WIDTH IS
1000 +500= 1500MM.
THEREFORE, STAIR WIDTH IS 1500 AND EXIT WIDTTH IS
1500-250= 1250MM

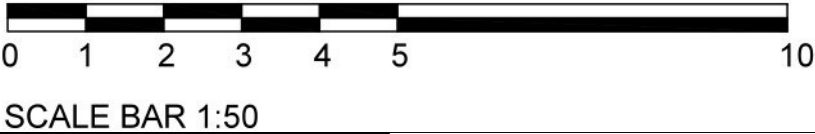


SHEET NO.5



TITLE: BUILT 3
ASSIGNMENT 2 – CORE DESIGN, DETAILING AND DOCUMENTATION
BY JONATHAN LE CHUNG (U3169326)

4 OFFICE CORE DETAIL
1:50



WALL TYPE:
AW: ACOUSTIC CONSTRUCTION
200MM STRUCTUAL CONCRTE
20MM AIR GAP
90MM STEEL STUD AT 600MM CNETRE
13MM PLASTERBOARD

SW: STANDARD CONSTRUCTION
200MM STRUCTURAL CONCRETE
90MM STEEL STUD AT 600 CENTRE
13MM PLASTERBOARD

CBW1: CONCRET BLOCK WALL 1
90MM CONCRETE BLOCK
29MM FURRING CHANNEL AT 600 CENTER
13MM PLASTERBOARD

CBW2: CONCRET BLOCK WALL 1
13MM PLASTERBOARD
29MM FURRING CHANNEL AT 600 CENTER
90MM CONCRETE BLOCK
29MM FURRING CHANNEL AT 600 CENTER
13MM PLASTERBOARD

FLOOR TYPE:
CT 1: CARPET TILE 1
1200MM X 600MM TILES
ON A SURFACE LEVELING COMPOUND
FT 1 :FLOOR TILE 1
25MMX 1000M BRUSHED TILES A0160S Graphite
ON A SURFACE LEVELING COMPOUND
FT2: FLOOR TILES 2
600MMX 600MM TILES FIXED ON PLASTER BOARD

STAIRS
ST 1: CARPARK STAIR
RISE 150
GOING 260
STEPS 3000/ 150 = 20 STEPS
SLOPE RELATION
2x150+260=300+260=560
MIN 540 MAX 700

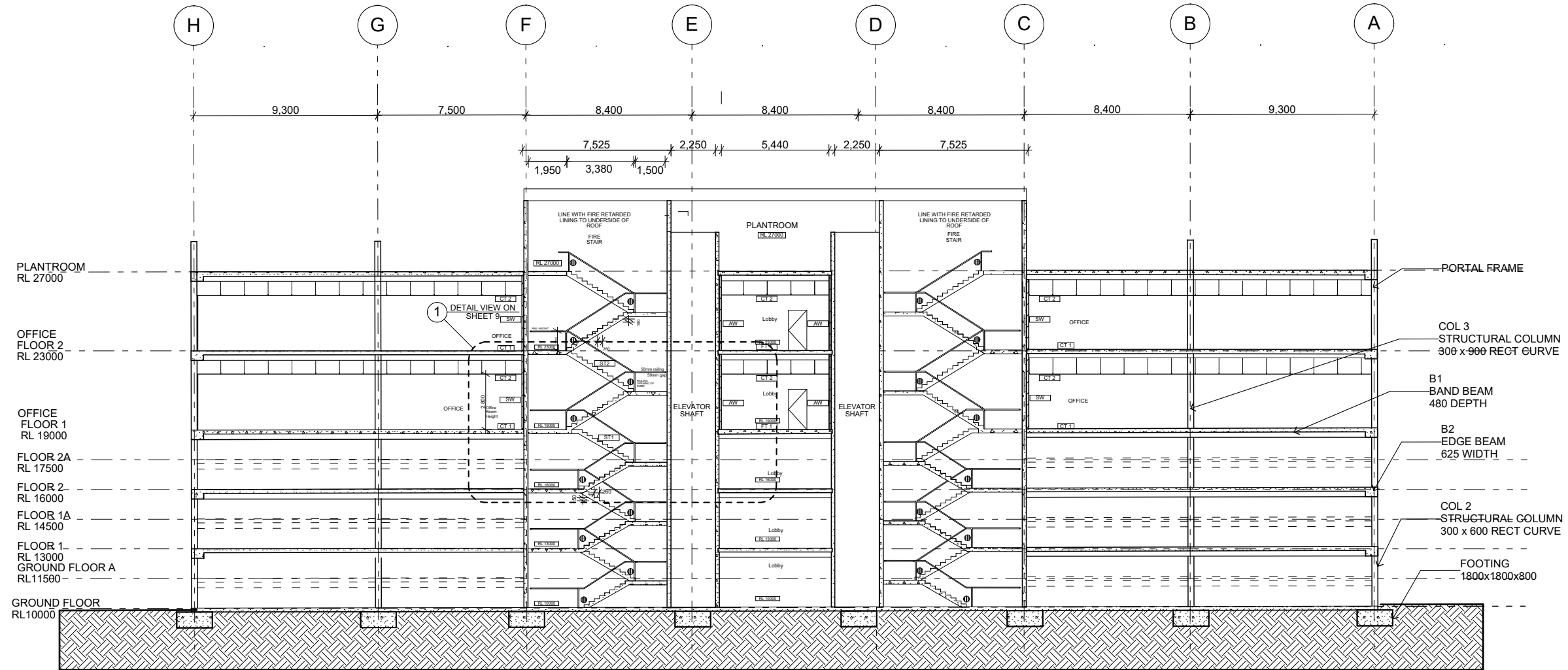
ST 2
OFFICE FIRE STAIR
RISE 160
GOING 260
STEPS 4000/ 160 = 25 STEPS
SLOPE RELATION
2x160+260=320+260=580
MIN 540 MAX 700
CEILING TYPE
CT2: CEILING TILES 1200MM X 600MM

CALCULATION OF STAIR WIDTH
OFFICE SPACE:30800MM X 60000
AREA= 1848MSQ
MUTIPLY .8 FOR CORE=1478.4 MSQ
DIVIDE BY = 147.84
TOTAL OF PEOPLE = 148 PEOPLE

STAIR WIDTH = 1000MM + 250MM FOR EVERY
25 PEOPLE ABOVE 100. AS THERE IS 48 MORE
ROUND TO 50 THEREFORE STAIR WIDTH IS
1000 +500= 1500M.
THEREFORE, STAIR WIDTH IS 1500 AND EXIT WIDTTH IS
1500-250= 1250MM



SHEET NO. 7



SCALE BAR 1:250

TITLE: BUILT 3
ASSIGNMENT 2 – CORE DESIGN, DETAILING AND DOCUMENTATION
BY JONATHAN LE CHUNG (U3169326)

CALCULATION OF STAIR WIDTH
 OFFICE SPACE: 30800MM X 60000
 AREA = 1848MSQ
 MULTIPLY .8 FOR CORE = 1478.4 MSQ
 DIVIDE BY = 147.84
 TOTAL OF PEOPLE = 148 PEOPLE

STAIR WIDTH = 1000MM + 250MM FOR EVERY
 25 PEOPLE ABOVE 100. AS THERE IS 48 MORE
 ROUND TO 50 THEREFORE STAIR WIDTH IS 1000 + 500 =
 1500MM.
 THEREFORE, STAIR WIDTH IS 1500 AND EXIT WIDTH IS
 1500 - 250 = 1250MM

WALL TYPE:
 AW: ACOUSTIC CONSTRUCTION
 200MM STRUCTURAL CONCRETE
 20MM AIR GAP
 90MM STEEL STUD AT 600MM CNETRE
 13MM PLASTERBOARD

SW: STANDARD CONSTRUCTION
 200MM STRUCTURAL CONCRETE
 90MM STEEL STUD AT 600 CENTRE
 13MM PLASTERBOARD

CBW1: CONCRET BLOCK WALL 1
 90MM CONCRETE BLOCK
 29MM FURRING CHANNEL AT 600 CENTER
 13MM PLASTERBOARD

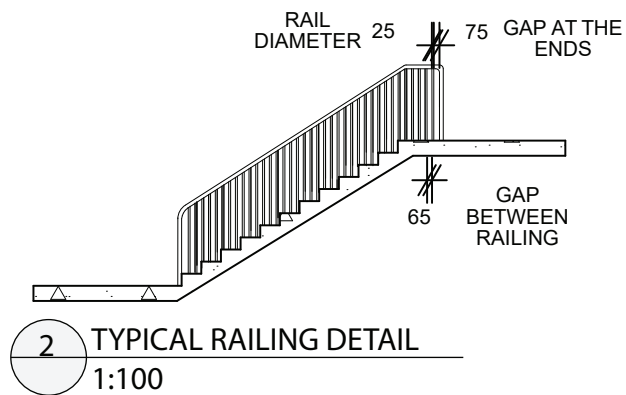
CBW2: CONCRET BLOCK WALL 1
 13MM PLASTERBOARD
 29MM FURRING CHANNEL AT 600 CENTER
 90MM CONCRETE BLOCK
 29MM FURRING CHANNEL AT 600 CENTER
 13MM PLASTERBOARD

FLOOR TYPE:
 CT 1: CARPET TILE 1
 1200MM X 600MM TILES
 ON A SURFACE LEVELING COMPOUND
 FT 1 : FLOOR TILE 1
 25MMX 1000M BRUSHED TILES A01605 Graphite
 ON A SURFACE LEVELING COMPOUND
 FT2: FLOOR TILES 2
 600MMX 600MM TILES FIXED ON PLASTER BOARD

STAIRS
 ST 1: CARPARK STAIR
 RISE 150
 GOING 260
 STEPS 3000/ 150 = 20 STEPS
 SLOPE RELATION
 2x150+260=300+260=560
 MIN 540 MAX 700

ST 2
 OFFICE FIRE STAIR
 RISE 160
 GOING 260
 STEPS 4000/ 160 = 25 STEPS
 SLOPE RELATION
 2x160+260=320+260=580
 MIN 540 MAX 700

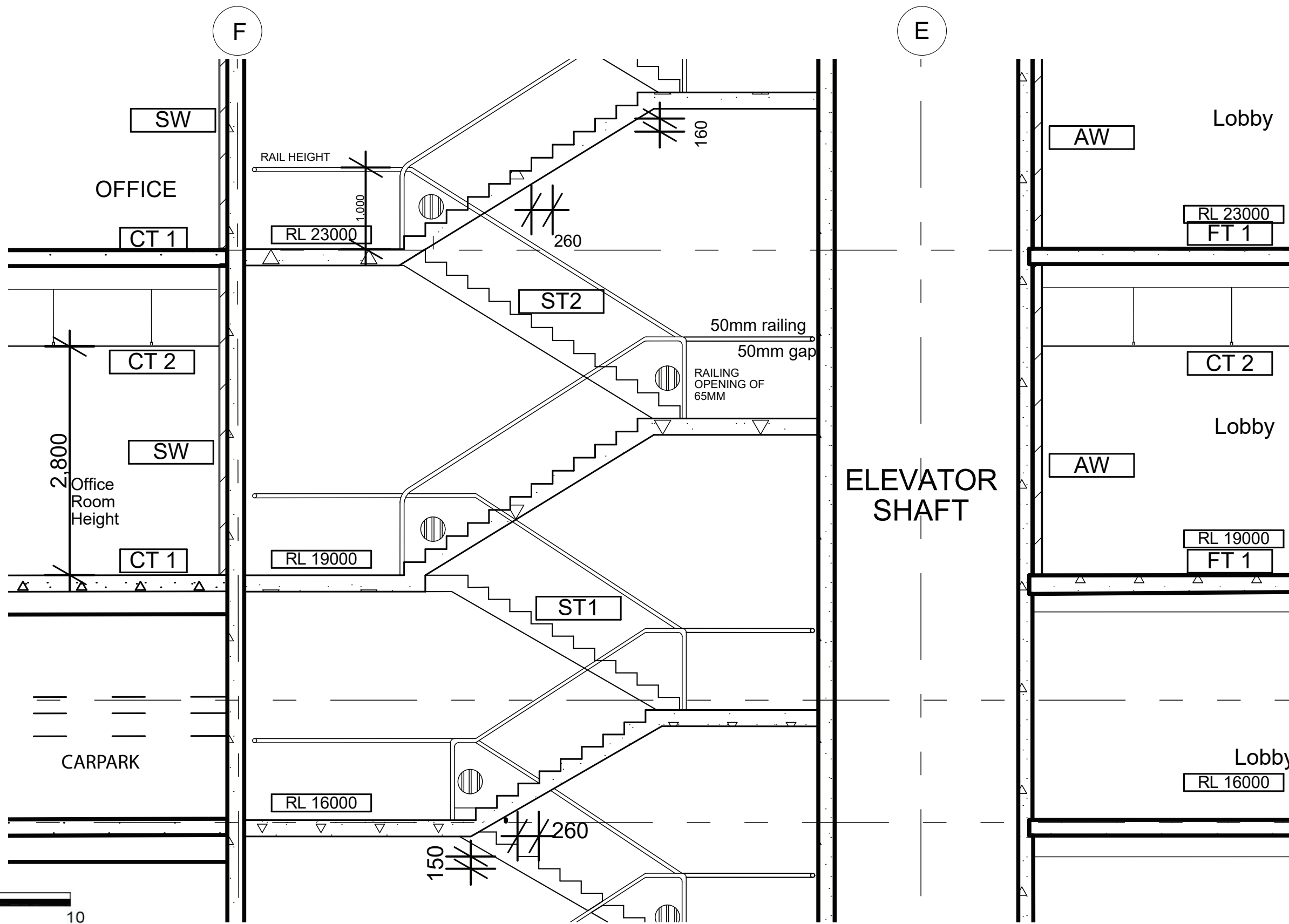
CEILING TYPE
 CT2: CEILING TILES 1200MM X 600MM



1 SECTION A-A DETAIL
1:50



SCALE BAR 1:50



TITLE: BUILT 3
ASSIGNMENT 2 – CORE DESIGN, DETAILING AND DOCUMENTATION
BY JONATHAN LE CHUNG (U3169326)

CALCULATION OF STAIR WIDTH
OFFICE SPACE: 30800MM X 60000
AREA = 1848MSQ
MULTIPLY .8 FOR CORE = 1478.4 MSQ
DIVIDE BY = 147.84
TOTAL OF PEOPLE = 148 PEOPLE

STAIR WIDTH = 1000MM + 250MM FOR EVERY
25 PEOPLE ABOVE 100. AS THERE IS 48 MORE
ROUND TO 50 THEREFORE STAIR WIDTH IS 1000 + 500 =
1500M.
THEREFORE, STAIR WIDTH IS 1500 AND EXIT WIDTH IS
1500 - 250 = 1250MM

WALL TYPE:
AW: ACOUSTIC CONSTRUCTION
200MM STRUCTURAL CONCRETE
20MM AIR GAP
90MM STEEL STUD AT 600MM CNETRE
13MM PLASTERBOARD

SW: STANDARD CONSTRUCTION
200MM STRUCTURAL CONCRETE
90MM STEEL STUD AT 600 CENTRE
13MM PLASTERBOARD

CBW1: CONCRET BLOCK WALL 1
90MM CONCRETE BLOCK
29MM FURRING CHANNEL AT 600 CENTER
13MM PLASTERBOARD

CBW2: CONCRET BLOCK WALL 1
13MM PLASTERBOARD
200MM FURRING CHANNEL AT 600 CENTER
90MM CONCRETE BLOCK
29MM FURRING CHANNEL AT 600 CENTER
13MM PLASTERBOARD

FLOOR TYPE:
CT 1: CARPET TILE 1
1200MM X 600MM TILES
ON A SURFACE LEVELING COMPOUND
FT 1 : FLOOR TILE 1
25MMX 1000MM BRUSHED TILES A01605 Graphite
ON A SURFACE LEVELING COMPOUND
FT2: FLOOR TILES 2
600MMX 600MM TILES FIXED ON PLASTER BOARD

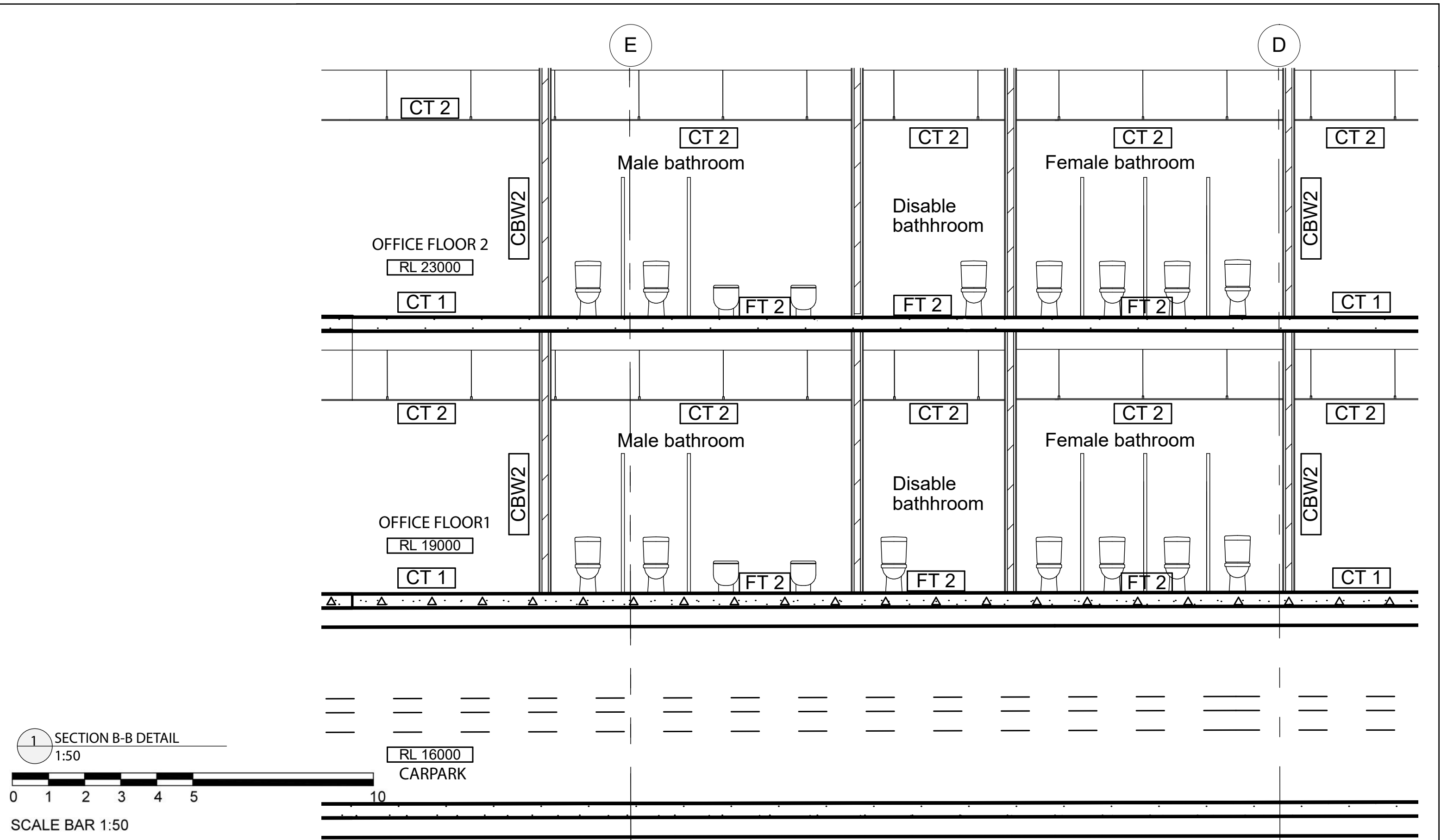
STAIRS
ST 1: CARPARK STAIR
RISE 150
GOING 260
STEPS 3000/ 150 = 20 STEPS
SLOPE RELATION
2x150+260=300+260=560
MIN 540 MAX 700

ST 2
OFFICE FIRE STAIR
RISE 160
GOING 260
STEPS 4000/ 160 = 25 STEPS
SLOPE RELATION
2x160+260=320+260=580
MIN 540 MAX 700

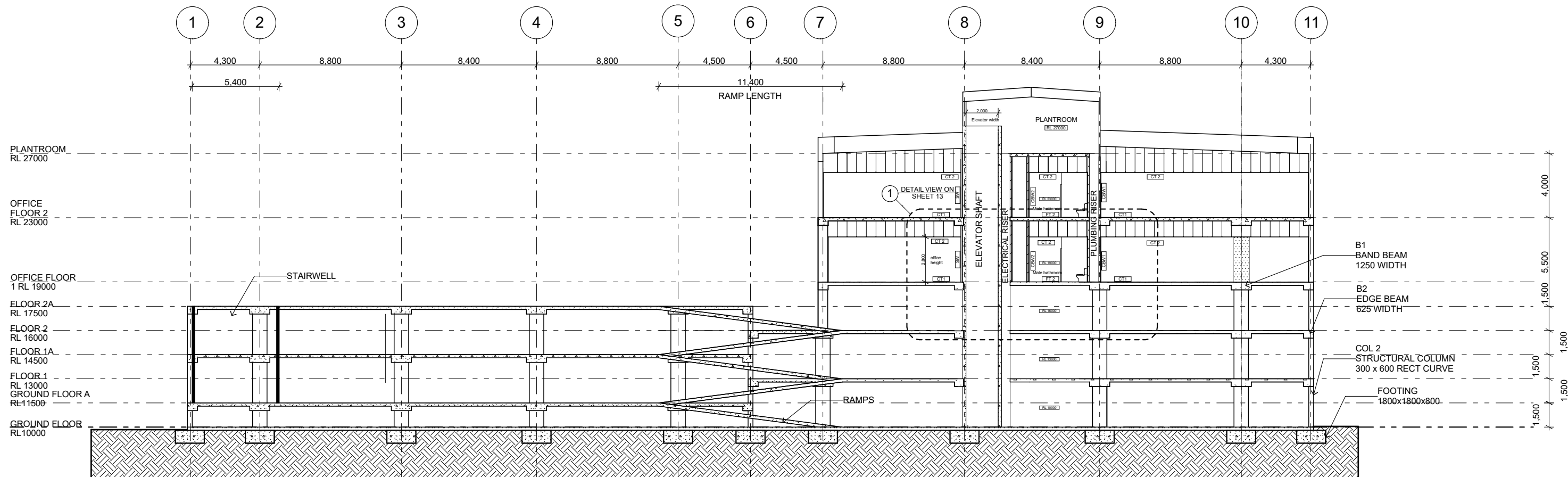
CEILING TYPE
CT2: CEILING TILES 1200MM X 600MM



SHEET NO.9



TITLE: BUILT 3 ASSIGNMENT 2 – CORE DESIGN, DETAILING AND DOCUMENTATION BY JONATHAN LE CHUNG (U3169326)		WALL TYPE: AW: ACOUSTIC CONSTRUCTION 200MM STRUCTURAL CONCRETE 20MM AIR GAP 90MM STEEL STUD AT 600MM CNETRE 13MM PLASTERBOARD SW: STANDARD CONSTRUCTION 200MM STRUCTURAL CONCRETE 90MM STEEL STUD AT 600 CENTRE 13MM PLASTERBOARD CBW1: CONCRET BLOCK WALL 1 90MM CONCRETE BLOCK 29MM FURRING CHANNEL AT 600 CENTER 13MM PLASTERBOARD		CBW2: CONCRET BLOCK WALL 1 13MM PLASTERBOARD 29MM FURRING CHANNEL AT 600 CENTER 90MM CONCRETE BLOCK 29MM FURRING CHANNEL AT 600 CENTER 13MM PLASTERBOARD FLOOR TYPE: CT 1: CARPET TILE 1 1200MM X 600MM TILES ON A SURFACE LEVELING COMPOUND FT 1 :FLOOR TILE 1 25MMX 1000M BRUSHED TILES A01605 Graphite ON A SURFACE LEVELING COMPOUND FT2: FLOOR TILES 2 600MMX 600MM TILES FIXED ON PLASTER BOARD	STAIRS ST 1: CARPARK STAIR RISE 150 GOING 260 STEPS 3000/ 150 = 20 STEPS SLOPE RELATION 2x150+260=300+260=560 MIN 540 MAX 700 ST 2 OFFICE FIRE STAIR RISE 160 GOING 260 STEPS 4000/ 160 = 25 STEPS SLOPE RELATION 2x160+260=320+260=580 MIN 540 MAX 700	CEILING TYPE CT2: CEILING TILES 1200MM X 600MM	 UNIVERSITY OF CANBERRA
CALCULATION OF STAIR WIDTH OFFICE SPACE:30800MM X 60000 AREA= 1848MSQ MUTIPLY .8 FOR CORE=1478.4 MSQ DIVIDE BY = 147.84 TOTAL OF PEOPLE = 148 PEOPLE	STAIR WIDTH = 1000MM + 250MM FOR EVERY 25 PEOPLE ABOVE 100. AS THERE IS 48 MORE ROUND TO 50 THEREFORE STAIR WIDTH IS 1000 +500= 1500M. THEREFORE, STAIR WIDTH IS 1500 AND EXIT WIDTTH IS 1500-250= 1250MM						SHEET NO. 11



1 SECTION C-C
1:250



SCALE BAR 1:250

TITLE: BUILT 3
ASSIGNMENT 2 – CORE DESIGN, DETAILING AND DOCUMENTATION
BY JONATHAN LE CHUNG (U3169326)

CALCULATION OF STAIR WIDTH
OFFICE SPACE: 30800MM X 60000
AREA = 1848MSQ
MULTIPLY .8 FOR CORE = 1478.4 MSQ
DIVIDE BY = 147.84
TOTAL OF PEOPLE = 148 PEOPLE

STAIR WIDTH = 1000MM + 250MM FOR EVERY
25 PEOPLE ABOVE 100. AS THERE IS 48 MORE
ROUND TO 50 THEREFORE STAIR WIDTH IS 1000 + 500 =
1500MM.
THEREFORE, STAIR WIDTH IS 1500 AND EXIT WIDTH IS
1500 - 250 = 1250MM

WALL TYPE:
AW: ACOUSTIC CONSTRUCTION
200MM STRUCTURAL CONCRETE
20MM AIR GAP
90MM STEEL STUD AT 600MM CNETRE
13MM PLASTERBOARD

SW: STANDARD CONSTRUCTION
200MM STRUCTURAL CONCRETE
90MM STEEL STUD AT 600 CENTRE
13MM PLASTERBOARD

CBW1: CONCRET BLOCK WALL 1
90MM CONCRETE BLOCK
29MM FURRING CHANNEL AT 600 CENTER
13MM PLASTERBOARD

CBW2: CONCRET BLOCK WALL 1
13MM PLASTERBOARD
29MM FURRING CHANNEL AT 600 CENTER
90MM CONCRETE BLOCK
29MM FURRING CHANNEL AT 600 CENTER
13MM PLASTERBOARD

FLOOR TYPE:
CT 1: CARPET TILE 1
1200MM X 600MM TILES
ON A SURFACE LEVELING COMPOUND
FT 1 : FLOOR TILE 1
25MMX 1000M BRUSHED TILES A01605 Graphite
ON A SURFACE LEVELING COMPOUND
FT2: FLOOR TILES 2
600MMX 600MM TILES FIXED ON PLASTER BOARD

STAIRS
ST 1: CARPARK STAIR
RISE 150
GOING 260
STEPS 3000 / 150 = 20 STEPS
SLOPE RELATION
2x150+260=300+260=560
MIN 540 MAX 700

ST 2
OFFICE FIRE STAIR
RISE 160
GOING 260
STEPS 4000 / 160 = 25 STEPS
SLOPE RELATION
2x160+260=320+260=580
MIN 540 MAX 700

CEILING TYPE
CT2: CEILING TILES 1200MM X 600MM



SHEET NO.12

