

RAFT FOUNDATION LAYOUT  
SCALE 1:50

STORM WATER CHANNEL:

- 1000mm WIDE CONCRETE VEE-CHANNELS (CONCRETE CLASS 25/19).
- LENGTH OF CHANNELS NOT EXCEEDING 3.0m AND CAST ALTERNATELY, 10mm JOINTS TO BE PROVIDED BETWEEN CHANNEL SECTIONS (REFER TO TYPICAL ISOLATION JOINT DETAIL).
- ALL OUTLETS TO STORM WATER CHANNELS SHOULD BE DAY-LIGHTED, WHERE APPLICABLE.
- SIDE SLOPES TO BE SHAPED ACCORDINGLY.

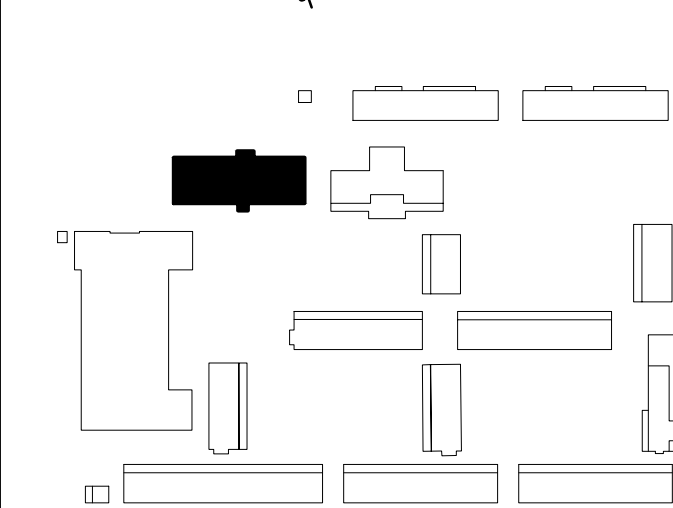
LEGEND:

- 10mm EXPANSION JOINT (THROUGH BRICK WALL ONLY, SPACED AS SHOWN)
- S1 = 75x75x3mm SHS STEEL COLUMNS
- SOP = SETTING OUT POINTS (REFER TO ARCHITECT'S DRAWINGS)

NOTES:

- DRAWING TO BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS. THE ENGINEER SHOULD BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES.
- DRAWING ALSO TO BE READ IN CONJUNCTION WITH GENERAL NOTES.

KEY PLAN



Block Number	Code	Building Description
A	SEC-W	Security Room
B	ADM2-W	Admin Building
C	MED+COMP2-W	Media Centre and Computer Laboratory
D	MP-HALL	Multi Purpose School Hall
E	CL1+HOD-W	Classroom and HOD Offices
F	HOD+SCIE+CL1+ABL-W	HOD Offices, Science Laboratory, Classroom and Ablutions
G	CL4+STO4-W	Four Classrooms with Stores
H	CL2+STO2-W	Two Classrooms with Stores
I	HOD+MPC+ABL-W	HOD Offices, Multi Purpose Classroom and Ablutions
J	HOD+SCIE+ABL-W	HOD Offices, Science Laboratory and Ablutions
K	TS-1+CHN-W	Tuck Shop and Change Rooms
L	CAR-W	Care Takers Room / Residence
M	CL5+STO6-W	Five Classrooms with Stores and Outside Store
N	CL4+STO4-W	Four Classrooms with Stores
O	CL4+STO4-W	Four Classrooms with Stores
P	3GR-R-W	Grade RR-R Classrooms
Q	3GR-R-W	Grade RR-R Classrooms
		Refuse

APPROVED BY

CLIENT \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED BY

ARCHITECT \_\_\_\_\_ DATE \_\_\_\_\_

REFERENCE DRAWINGS

DRG. No.	DESCRIPTION

No.

REVISIONS

DATE	DRG SIZE	SCALE	DATE DRAWN
	A1	A.S.	2021/03/17
	DESIGNED	CHECKED	
	J LOUW	S MARAIS	
	DRAWN	CHECKED	
	M SLABBERT	J LOUW	

DATE

DRG SIZE

SCALE

DATE DRAWN

PROJECT

FSDoE  
ARBEIDSGENOT PRIMARY SCHOOL

DRAWING DESCRIPTION

BLOCK B : ADMIN2  
RAFT FOUNDATION LAYOUT

PROJECT NO  
B S 0 3 3

PHASE  
A

DISCIPLINE  
SE

STAGE  
T

DOC TYPE

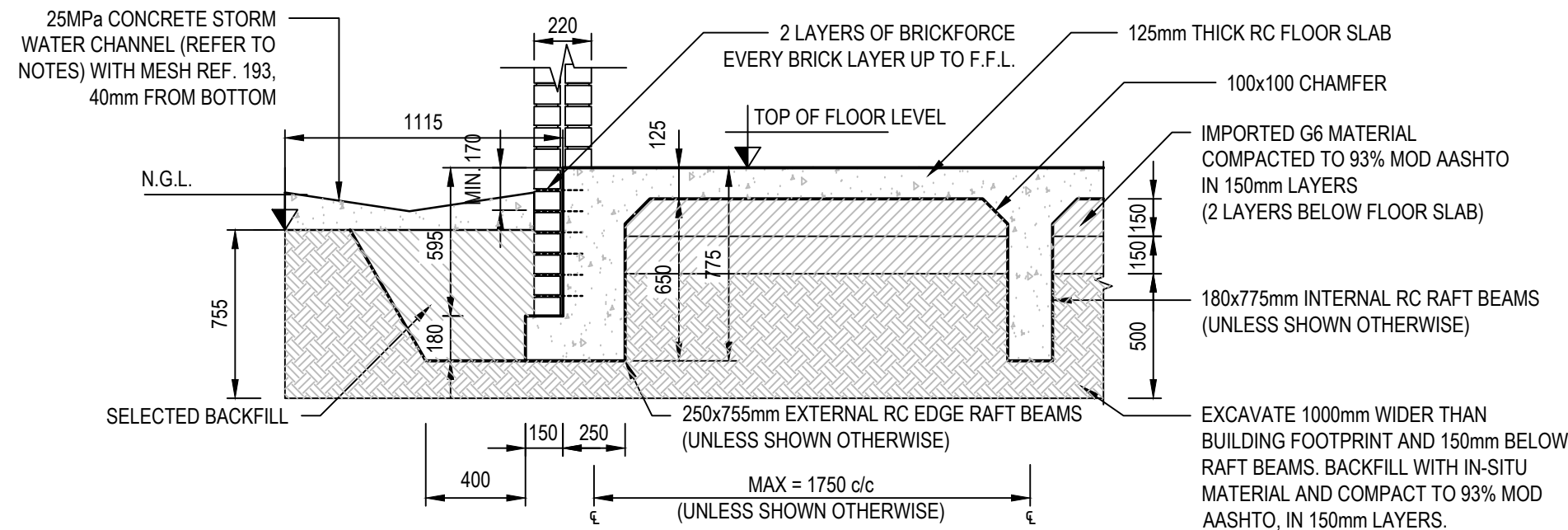
DRG

DRAWING NUMBER

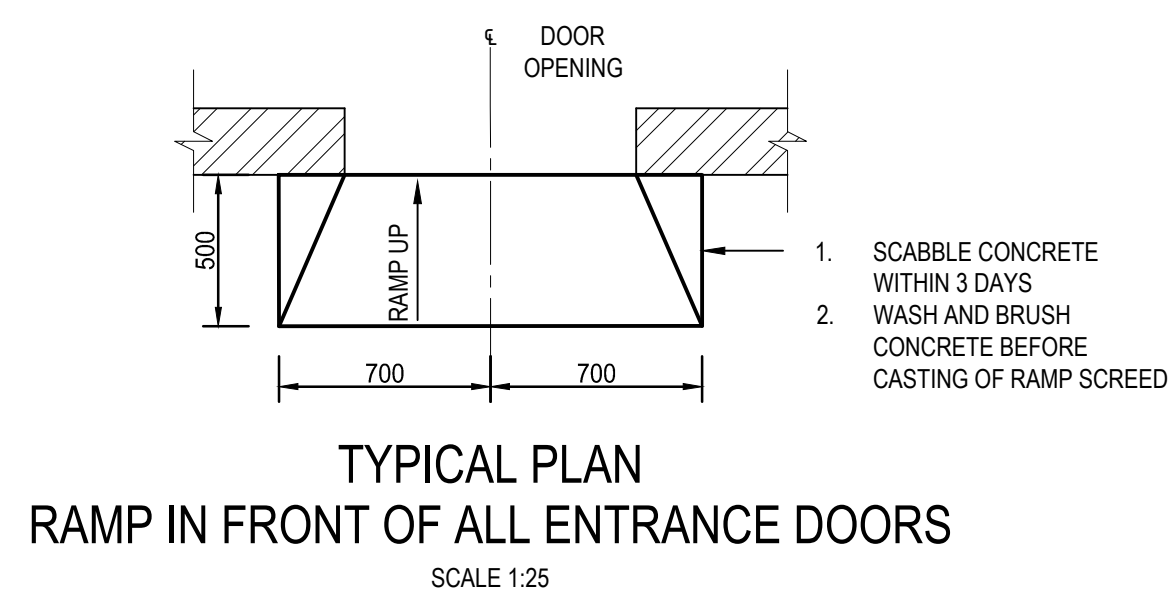
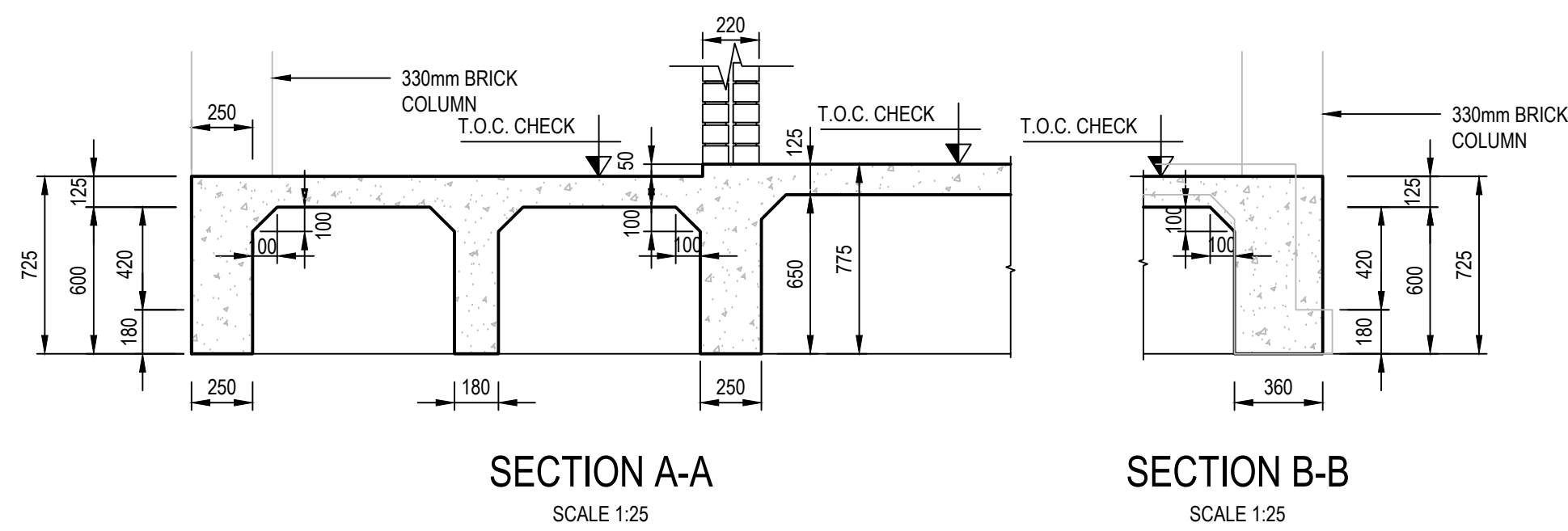
TYPE LEVEL NUMBER L/O  
A G 5 0 5 a

REVISION

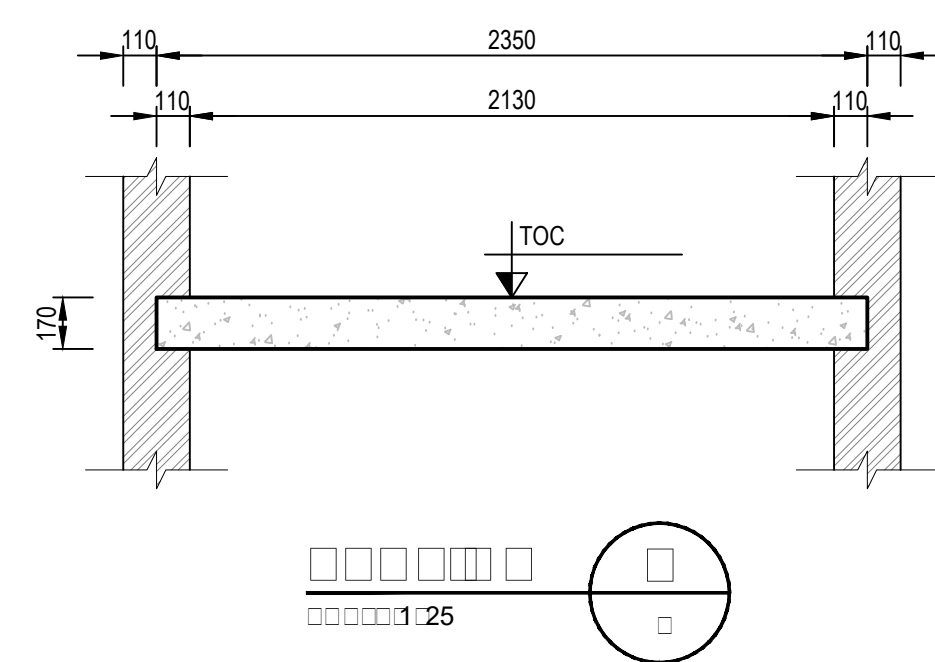
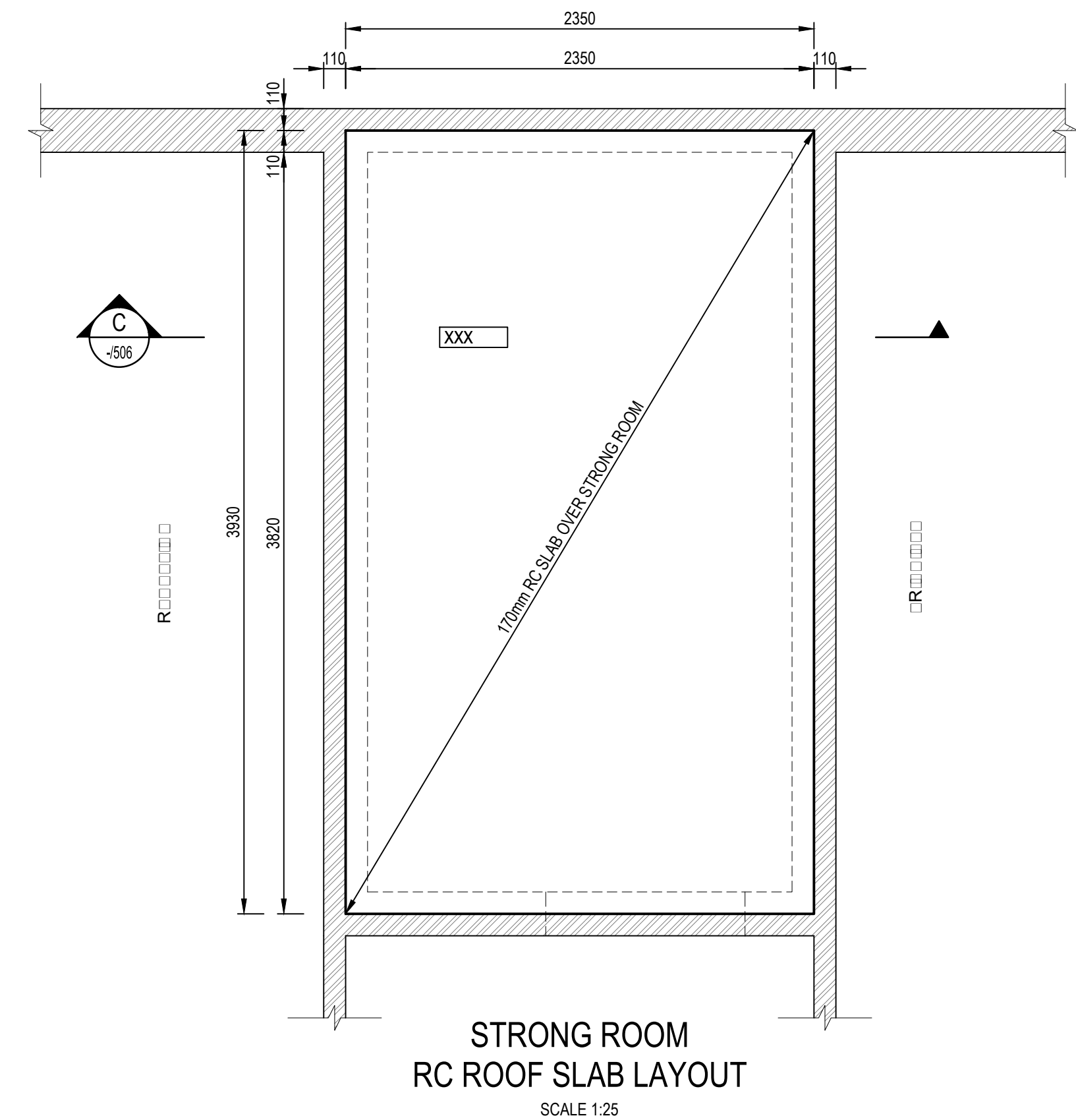
A



TYPICAL RAFT FOUNDATION DETAIL  
SCALE 1:25



TYPICAL PLAN  
RAMP IN FRONT OF ALL ENTRANCE DOORS  
SCALE 1:25



REFERENCE DRAWINGS		No.
DRG. No.	DESCRIPTION	

REVISIONS		DATE

DRG. SIZE	SCALE	DATE DRAWN
A1	A.S.	2021/03/17
DESIGNED	CHECKED	
J LOUW	S MARAIS	
DRAWN	CHECKED	
M SLABBERT	J LOUW	

PROJECT	
FSDoE ARBEIDSGENOT PRIMARY SCHOOL	
DRAWING DISCRPTION	
BLOCK B : ADM2 RAFT FOUNDATION SECTIONS & DETAILS AND RC SLAB LAYOUT AND SECTION	

PROJECT NO.	PHASE	DISCIPLINE	STAGE
B S 0 3 3	A	SE	T

DOC TYPE	TYPE	LEVEL	NUMBER	L/O	REVISION
DRG	A	G	5	0	6 a





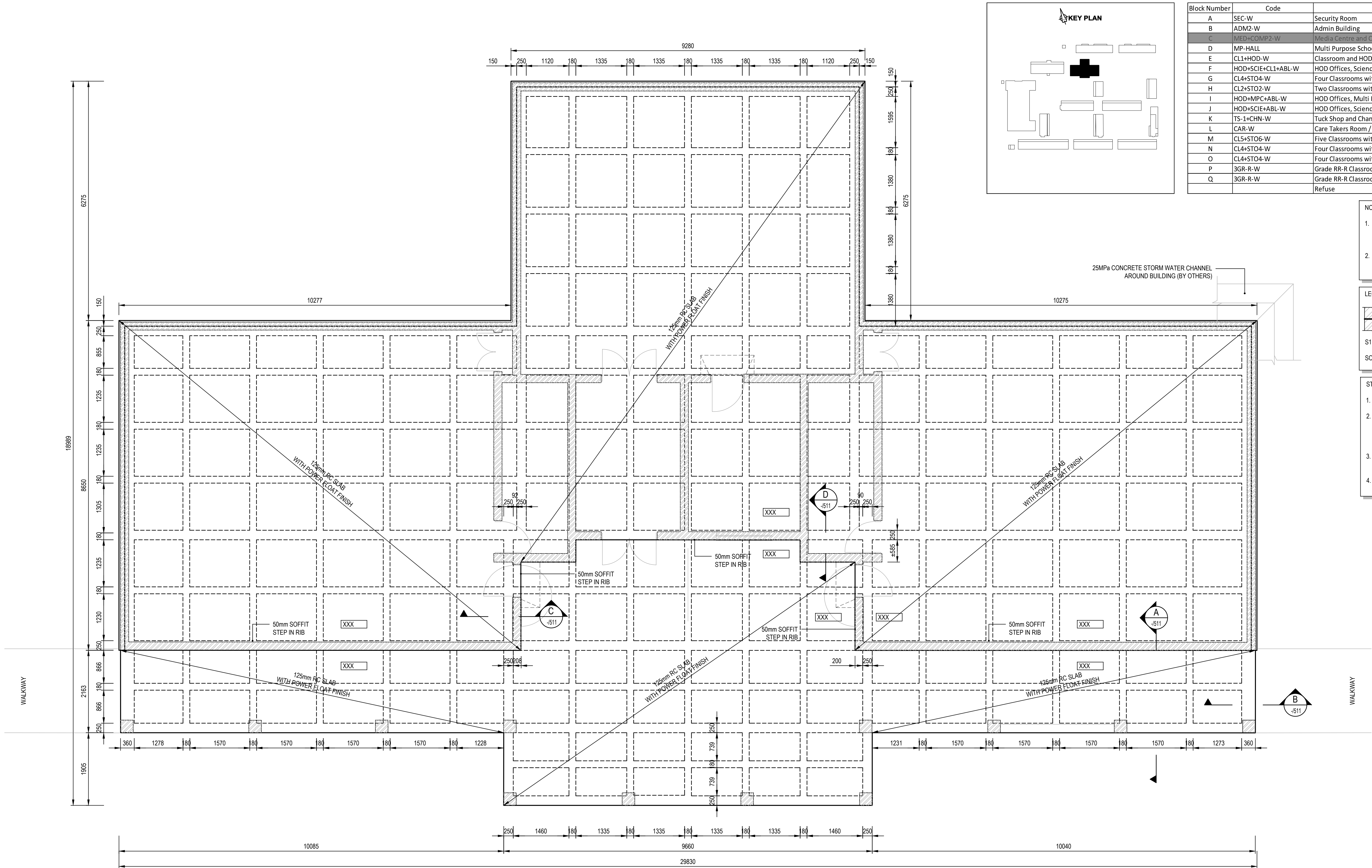
PROJECT

FSDoE  
ARBEIDSGENOT PRIMARY SCHOOL



DRAWING DISCRPTION

BLOCK B : ADMIN2  
RAFT FOUNDATION SECTIONS & DETAILS

DOC TYPE		DRAWING NUMBER				REVISION	
DRG		TYPE	LEVEL	NUMBER	L/O		
		A	G	5	0	6	a
							A

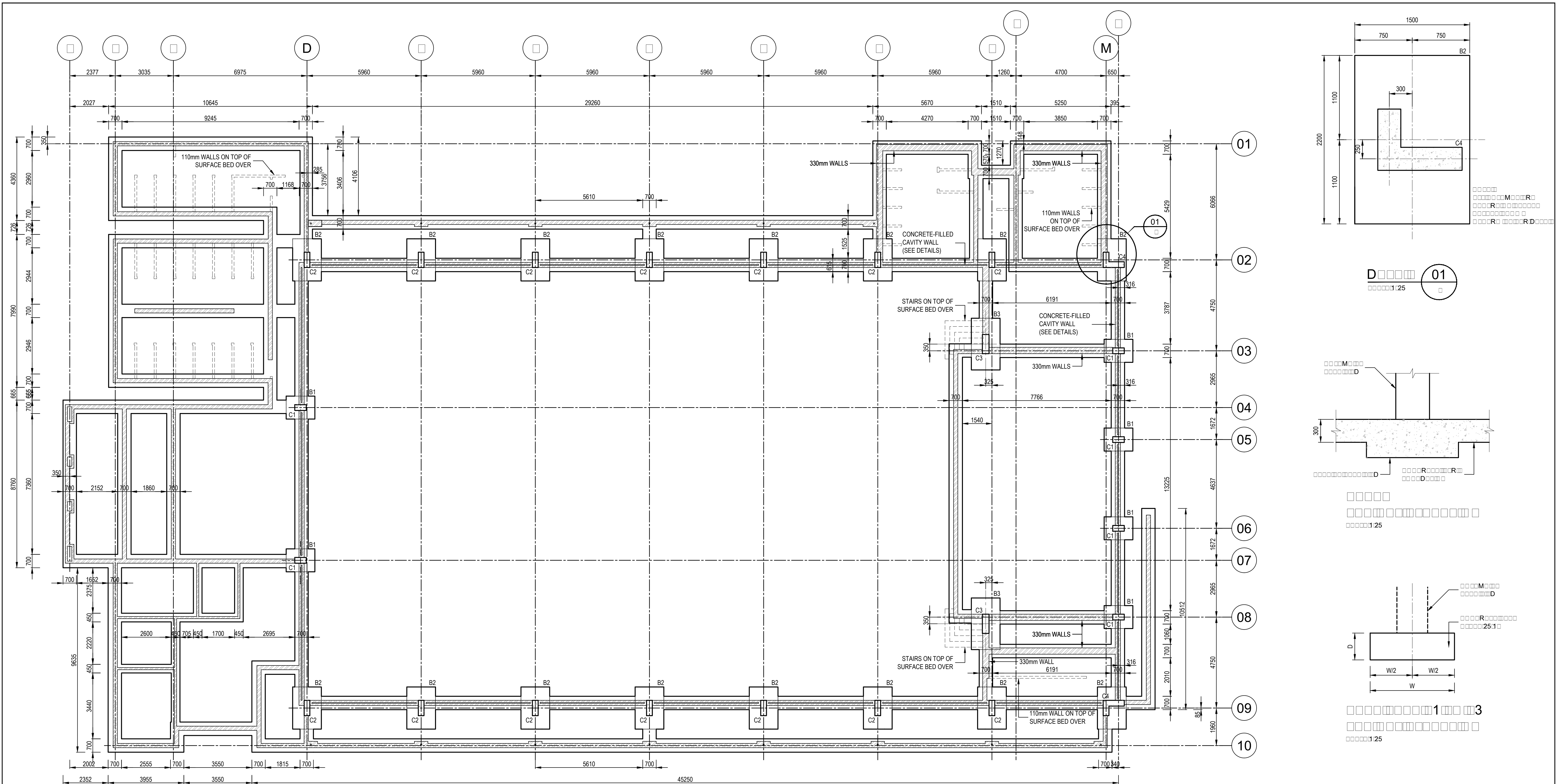


RAFT FOUNDATION LAYOUT  
SCALE 1:50

 Member of the Surbana Jurong Group		APPROVED BY	APPROVED BY	REFERENCE DRAWINGS	No.	REVISIONS	DATE	DRG SIZE	SCALE	DATE DRAWN	PROJECT
		CLIENT	DATE	ARCHITECT	DATE	DRG. No.	DESCRIPTION				
23 SECOND AVENUE WESTDENE SUITE 122 PRIVATE BAG X01 BRANDHOF 9324 TEL : (051) 411 - 8700 FAXS : (051) 447 - 6000 WEBSITE : // WWW.SMEC.COM											
SIGNATURE _____ DATE _____											
DRAWING DISCUSSION BLOCK C : MED+COMP2-W RAFT FOUNDATION LAYOUT											
PROJECT NO. B S 0 3 3 PHASE A DISCIPLINE SE STAGE T											
DRAWING NUMBER DOC TYPE DRG TYPE LEVEL NUMBER L/O REVISION A											

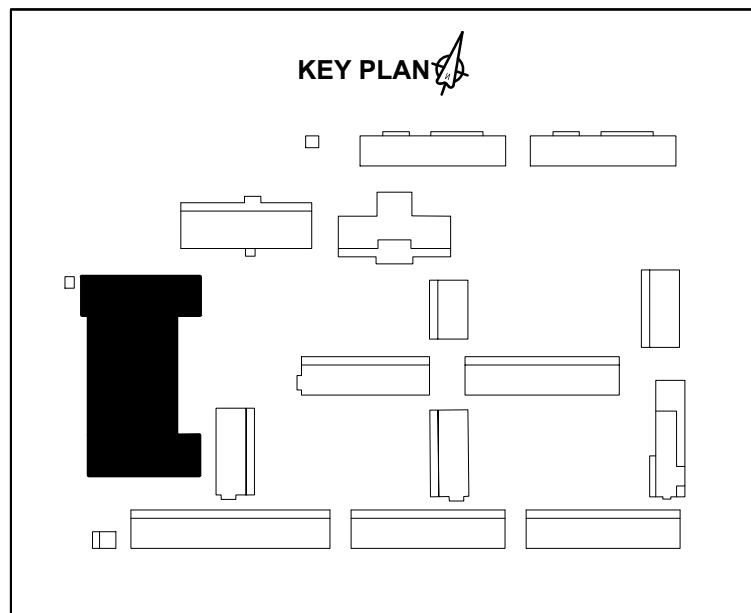
[illegible]





### FOUNDATION LAYOUT

SCALE 1:100



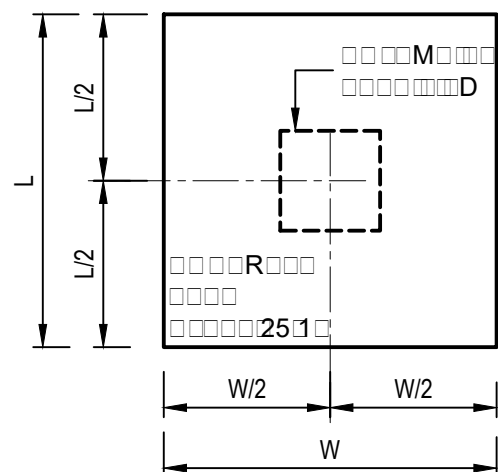
#### STORM WATER CHANNEL:

- 1000mm WIDE CONCRETE VEE-CHANNELS (CONCRETE CLASS 25/19).
- LENGTH OF CHANNELS NOT EXCEEDING 3.0m AND CAST ALTERNATELY. 10mm JOINTS TO BE PROVIDED BETWEEN CHANNEL SECTIONS (REFER TO TYPICAL ISOLATION JOINT DETAIL).
- ALL OUTLETS TO STORM WATER CHANNELS SHOULD BE DAY-LIGHTED, WHERE APPLICABLE.
- SIDE SLOPES TO BE SHAPED ACCORDINGLY.

#### NOTES:

- DRAWING TO BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS. THE ENGINEER SHOULD BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES.
- DRAWING ALSO TO BE READ IN CONJUNCTION WITH GENERAL NOTES.

LEGEND			
BASES			
TYPE	SIZES		DEPTH
B1	1500	1200	500
B2	1500	2200	500
B3	1500	2700	500
COLUMNS			
TYPE	SIZES		
C1	300		600
C2	300		800
C3	350		1000
C4	800		1100
C5	220		300



1 3  
1 25

Block Number	Code	Building Description
A	SEC-W	Security Room
B	ADM2-W	Admin Building
C	LIB+COMP-W	Library Centre and Computer Laboratory
D	MP-HALL	Multi Purpose School Hall
E	HOD+CL1+STO2-W	HOD, Classroom with Stores
F	HOD+MPC+CL1+ABL	HOD Offices, Multi Purpose Classroom, Classroom and Ablutions
G	CL4+STO4-W	Four Classrooms with Stores
H	CL2+STO2-W	Two Classrooms with Stores
I	HOD+MPC+ABL-W	HOD Offices, Multi Purpose Classroom and Ablutions
J	HOD+SCIE+ABL-W	HOD Offices, Science Laboratory and Ablutions
K	TS-1+CHN-W	Tuck Shop and Change Rooms
L	CAR-W	Care Takers Room / Residence
M	CL5+STO6-W	Five Classrooms with Stores and Outside Store
N	CL4+STO4-W	Four Classrooms with Stores
O	CL4+STO4-W	Four Classrooms with Stores
P	3GR-R-W	Grade RR-R Classrooms
Q	3GR-R-W	Grade RR-R Classrooms

**SMEC**  
South Africa  
Member of the Surbana Jurong Group

**SABS**  
ISO 9001

23 SECOND AVENUE WESTDENE  
SUITE 122 PRIVATE BAG X01  
BRANDHOF 9324  
TEL : (051) 411 - 8700  
FAXS : (051) 447 - 6000  
WEBSITE : // WWW.SMEC.COM

SIGNATURE DATE

APPROVED BY

CLIENT DATE

APPROVED BY

ARCHITECT DATE

REFERENCE DRAWINGS

DRG. No.	DESCRIPTION

No.

REVISIONS

DATE

DRG SIZE

SCALE

DATE DRAWN

PROJECT

FSDoE  
ARBEIDSGENOT PRIMARY SCHOOL

DRAWING DISCUSSION

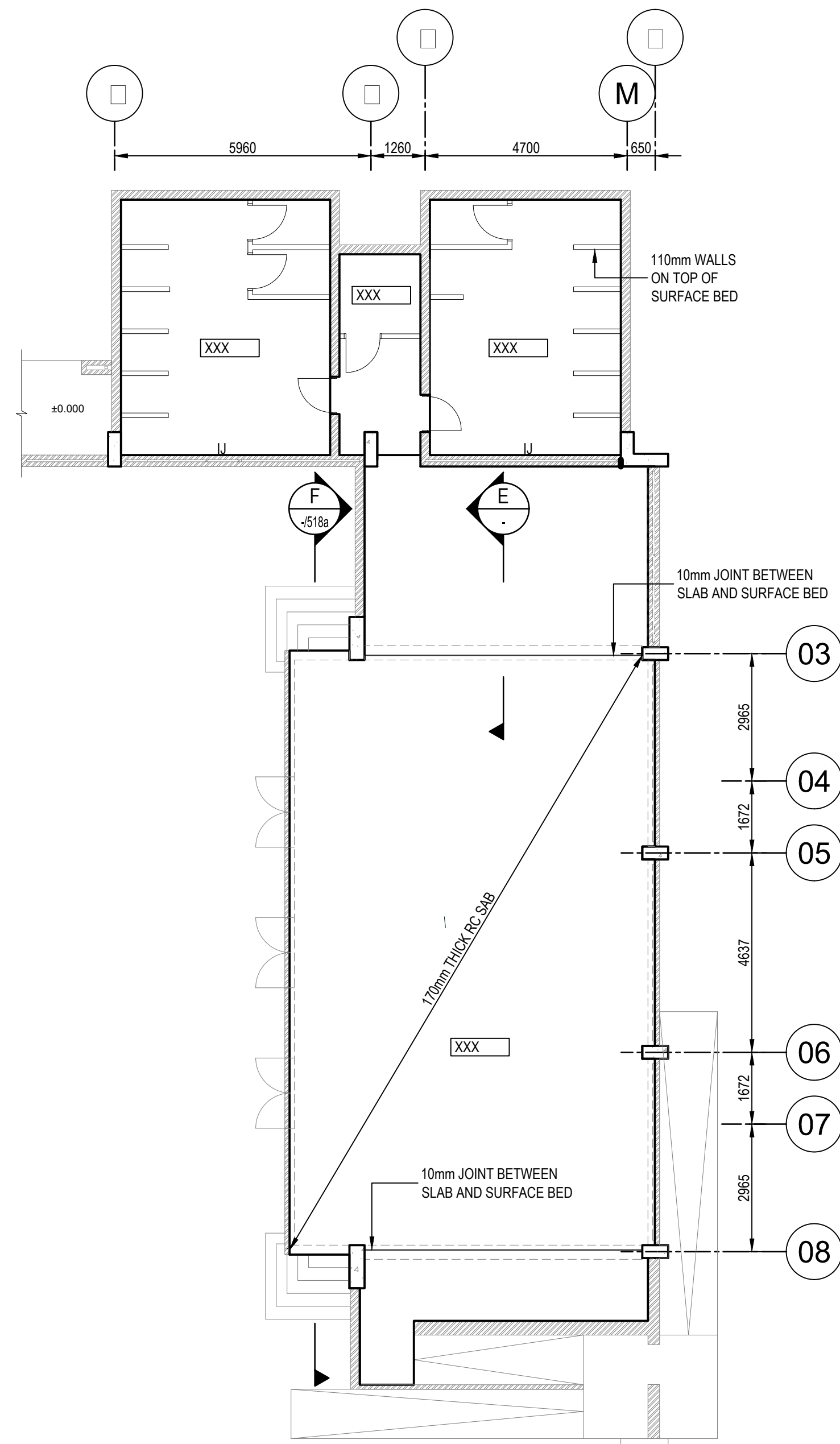
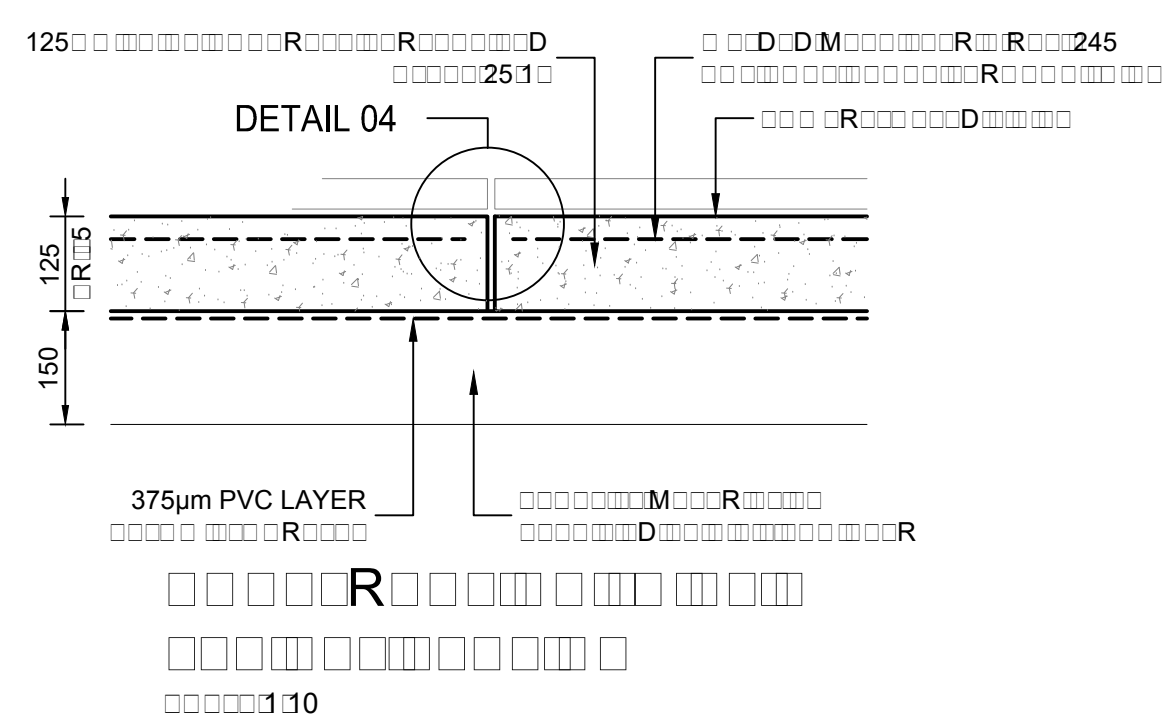
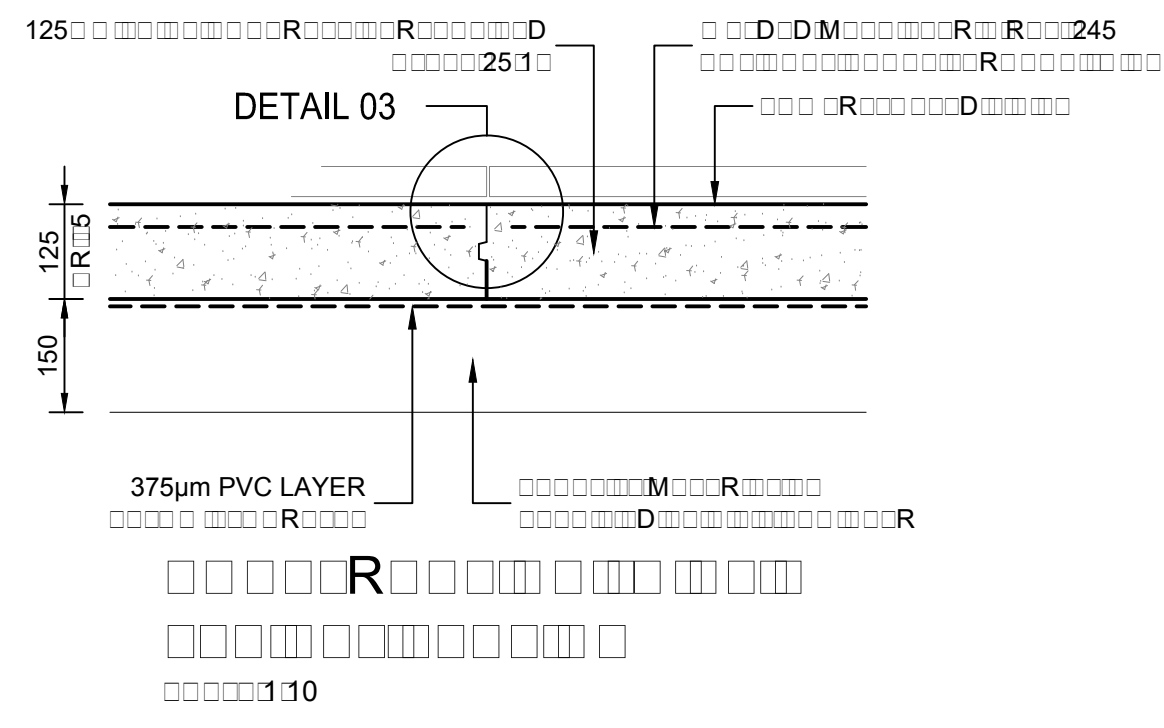
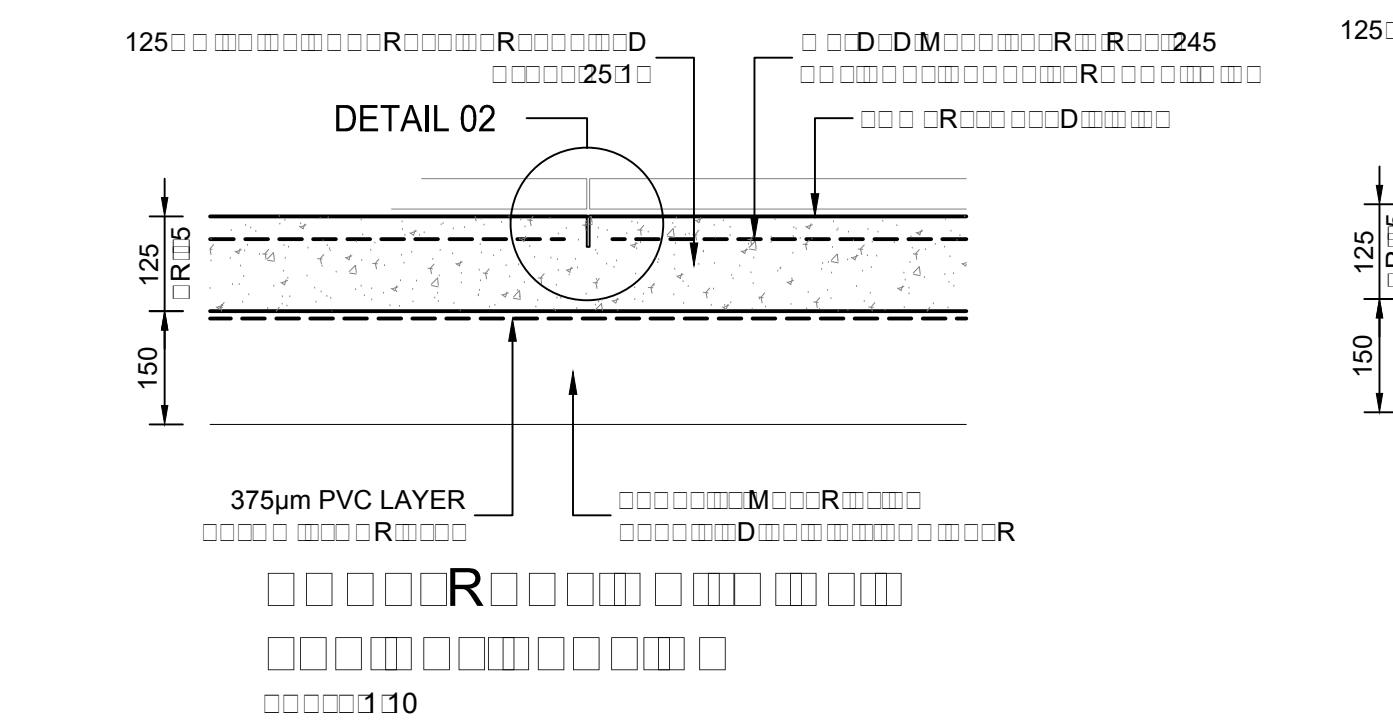
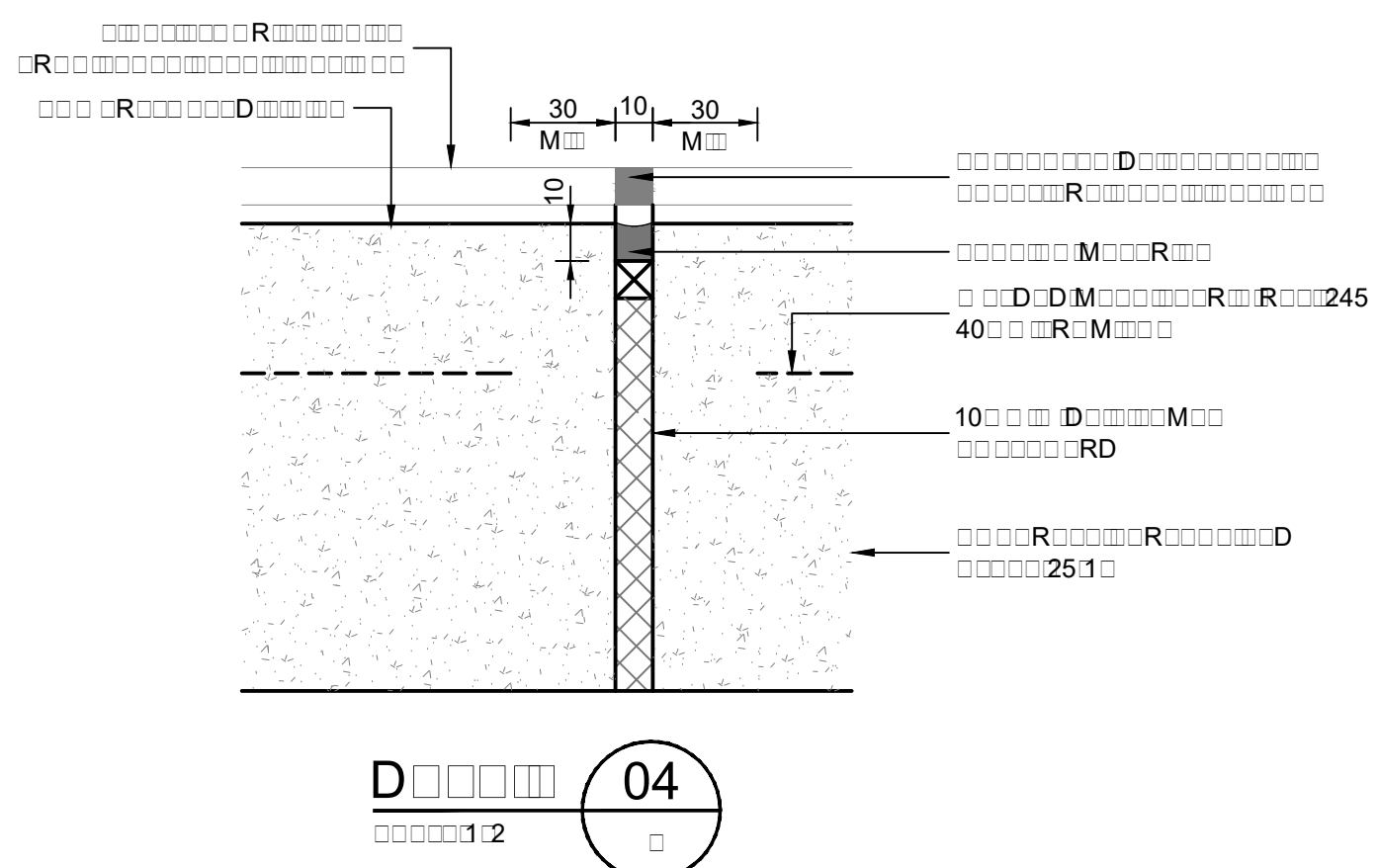
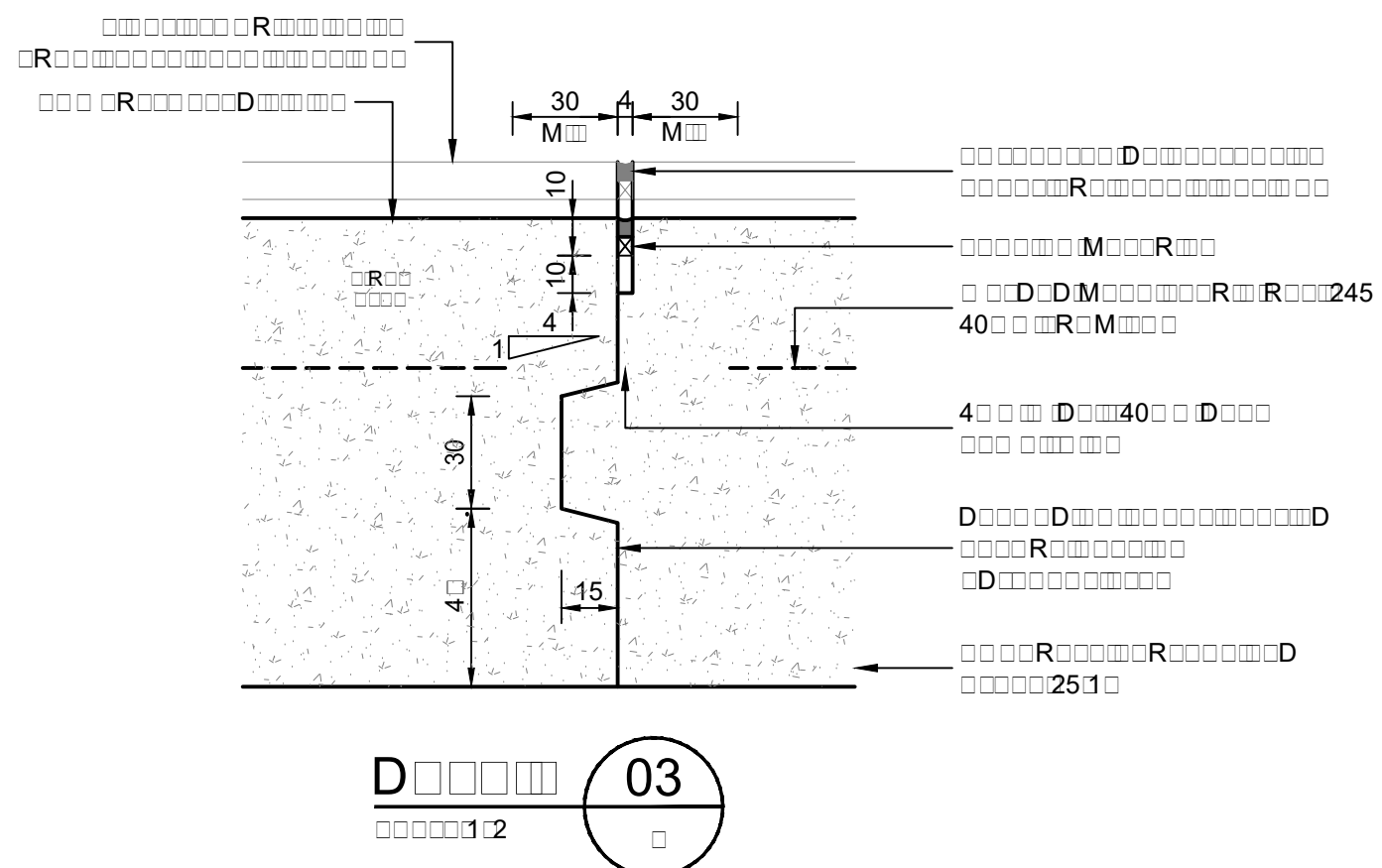
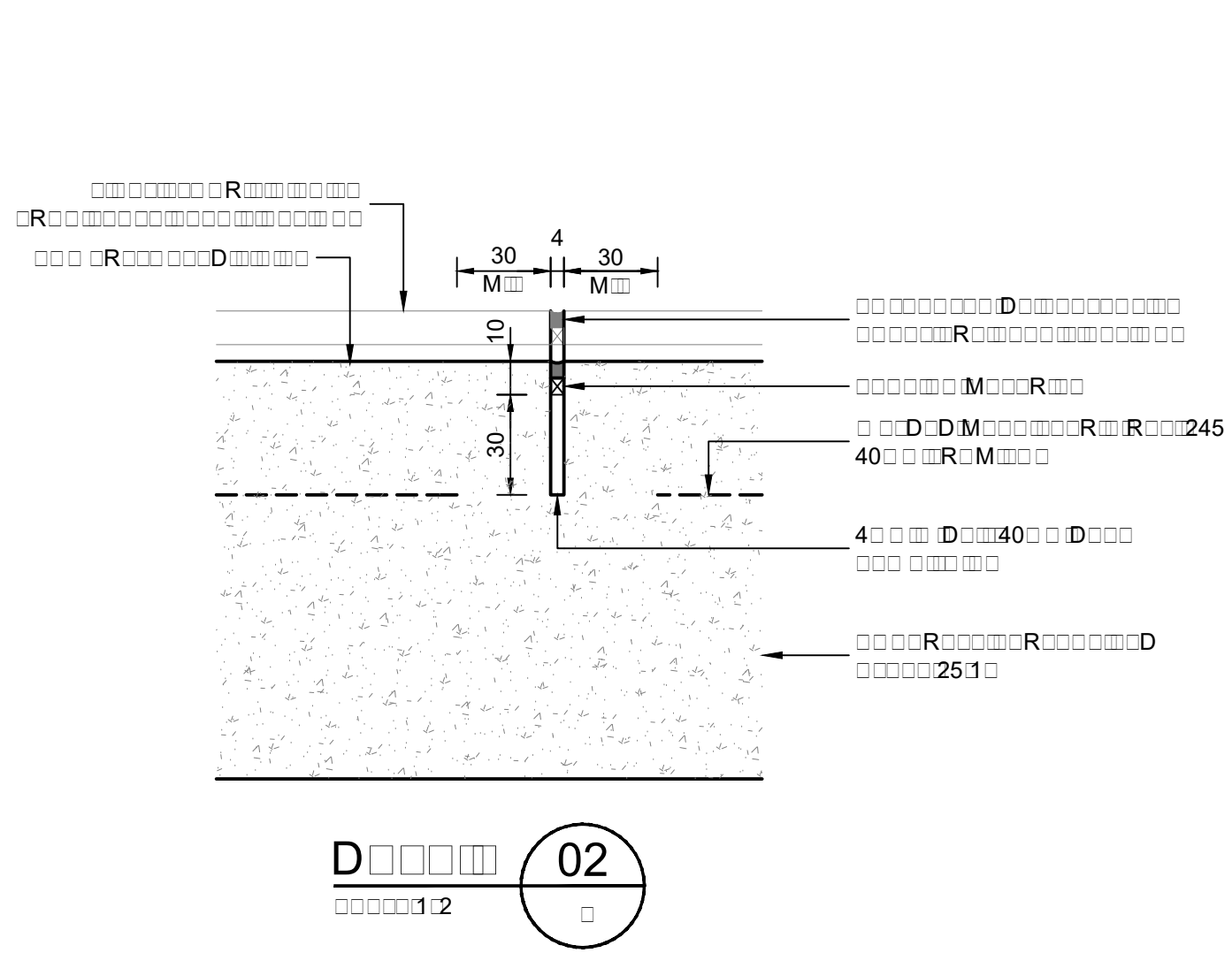
BLOCK D : MP HALL  
FOUNDATION LAYOUT AND  
TYPICAL DETAILS

PROJECT NO	PHASE	DISCIPLINE	STAGE
B S 0 3 3	A	SE	T

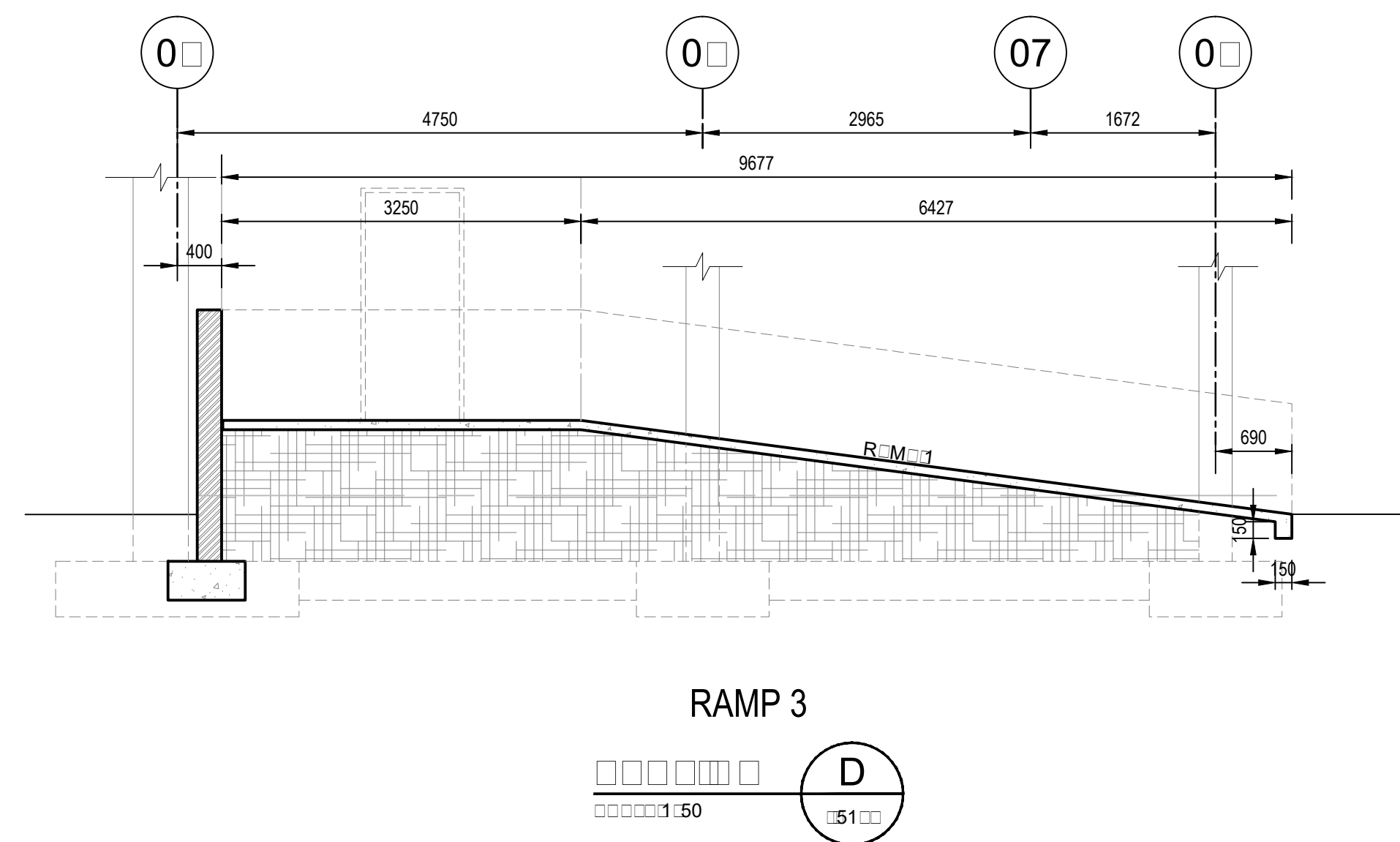
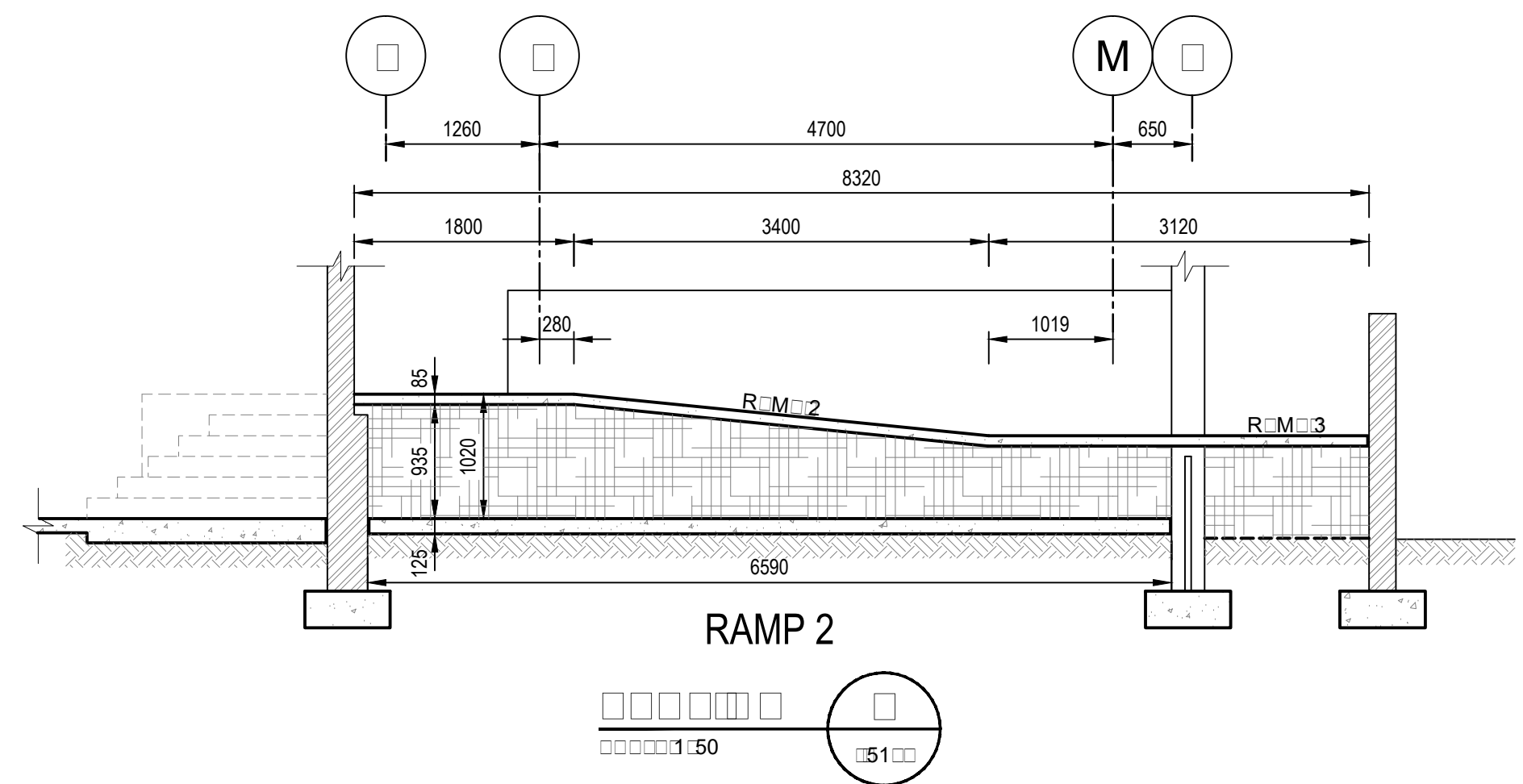
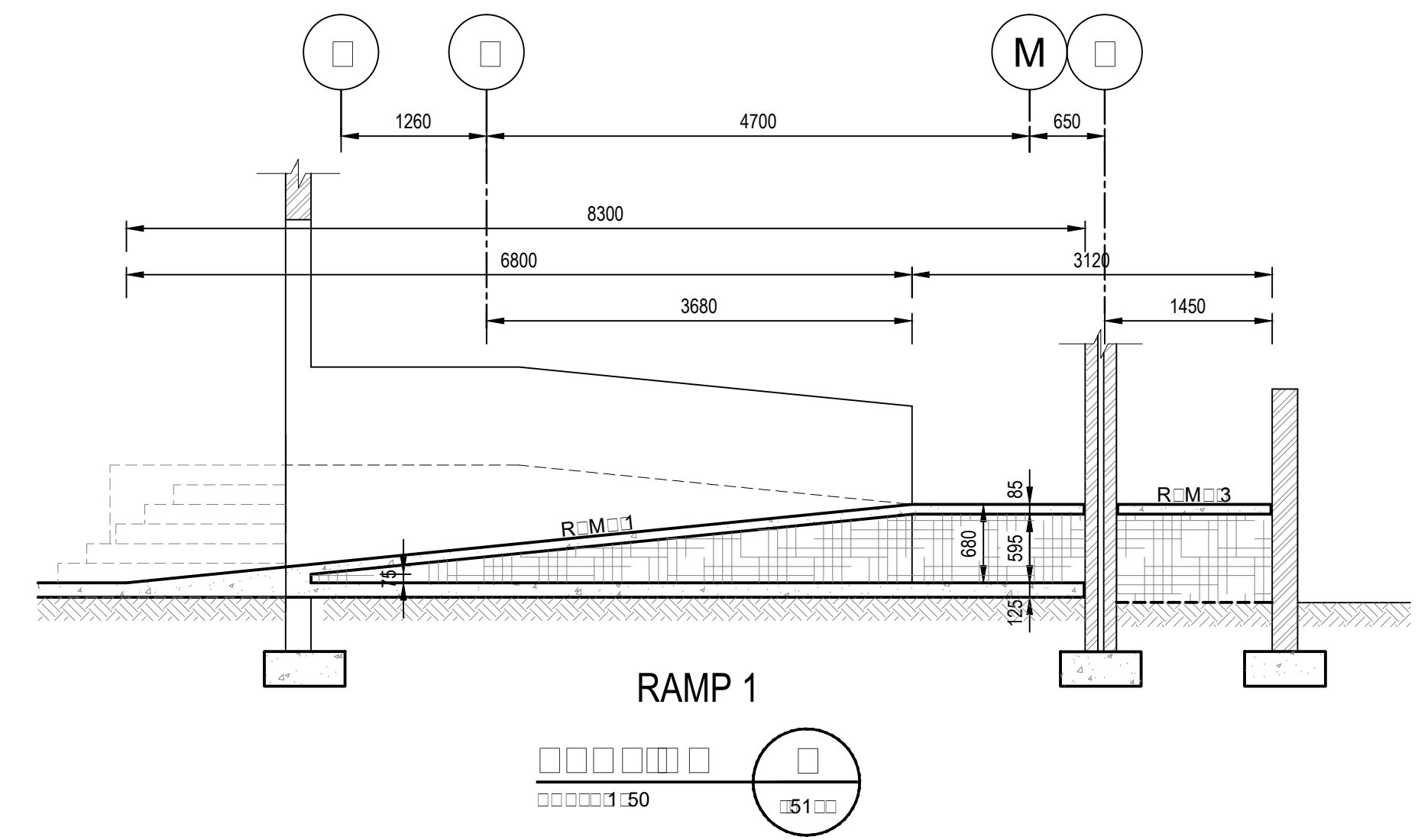
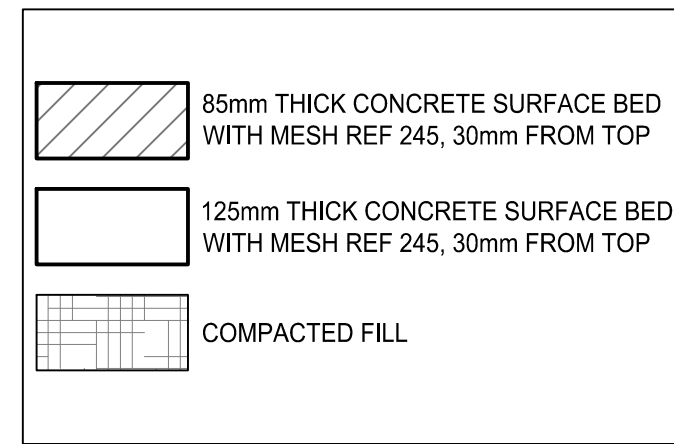
DOC TYPE	DRAWING NUMBER				REVISION
DRG	TYPE	LEVEL	NUMBER	LO	
	A	G	5	1	5 a
					A



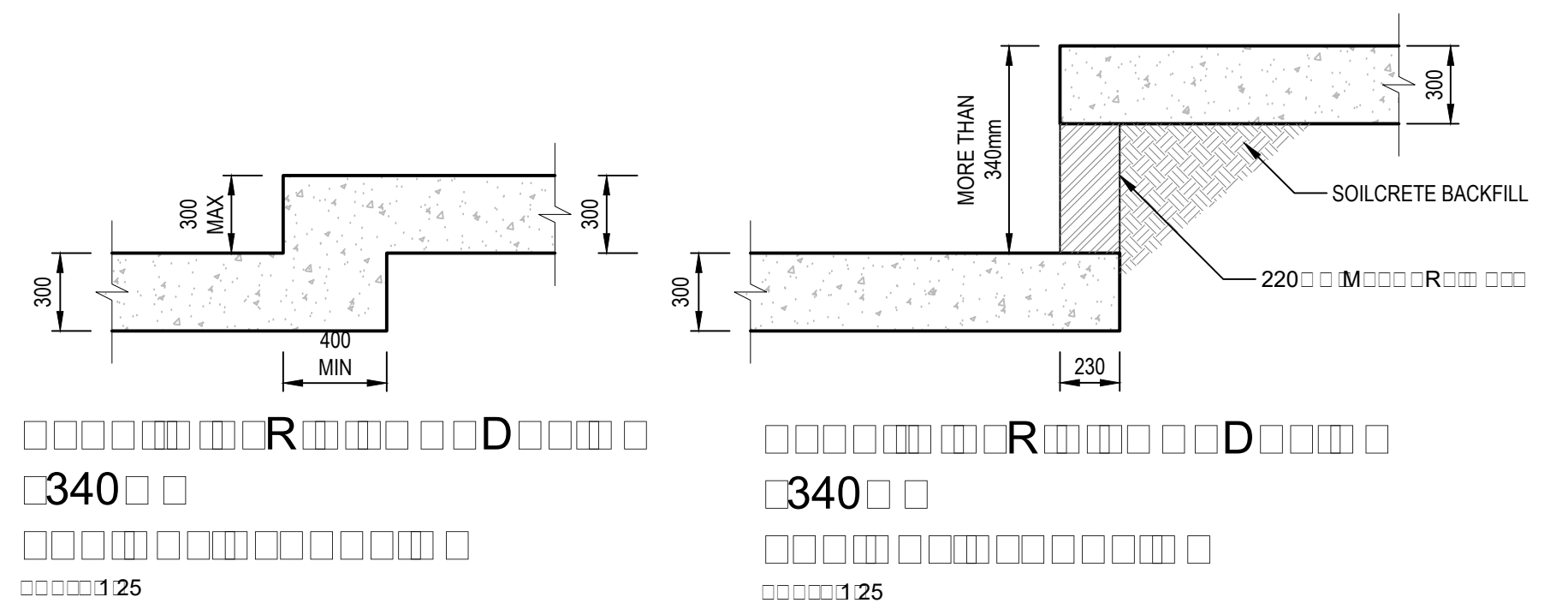
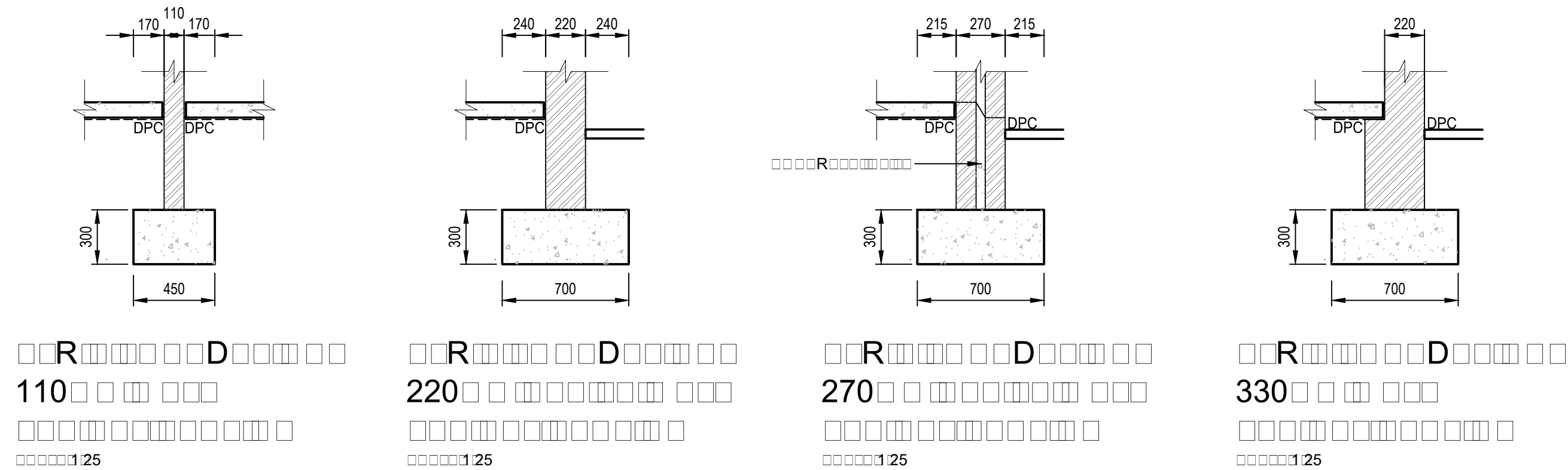
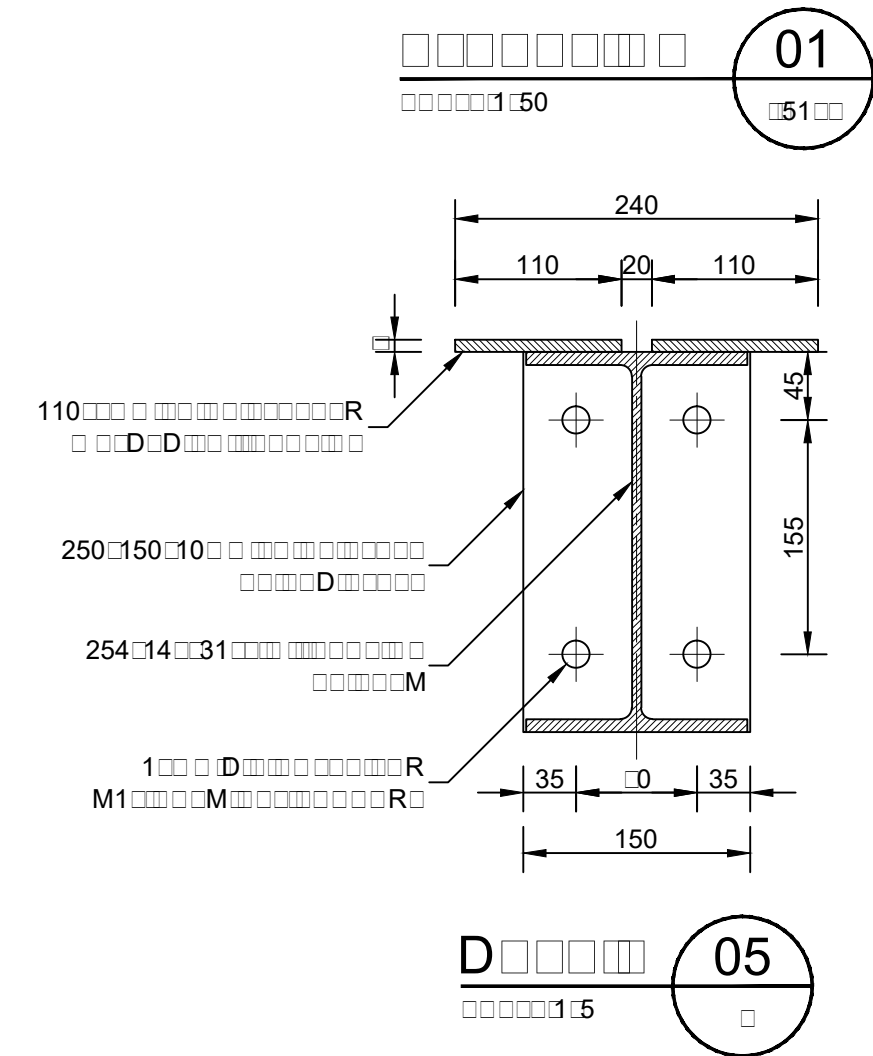
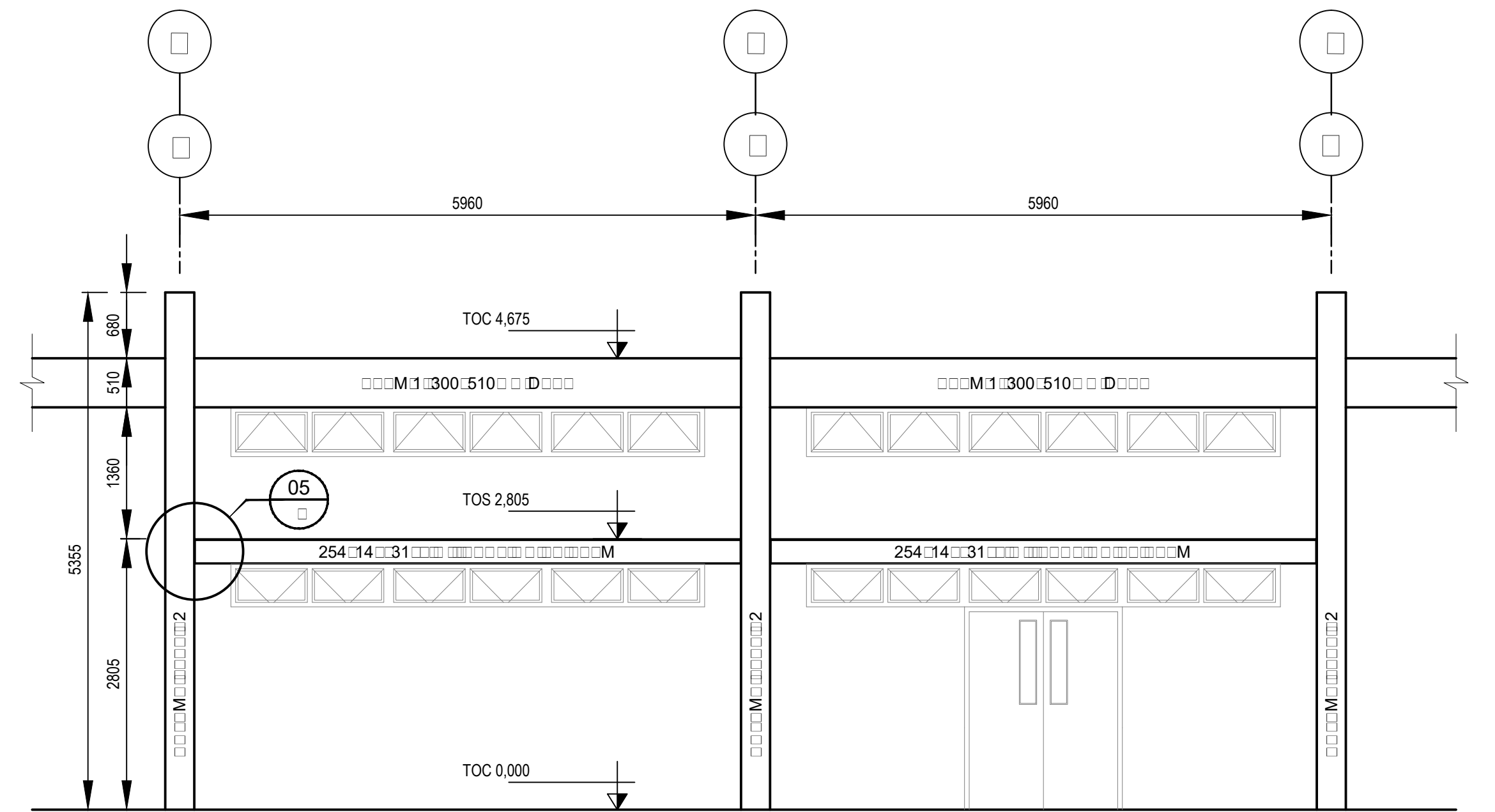
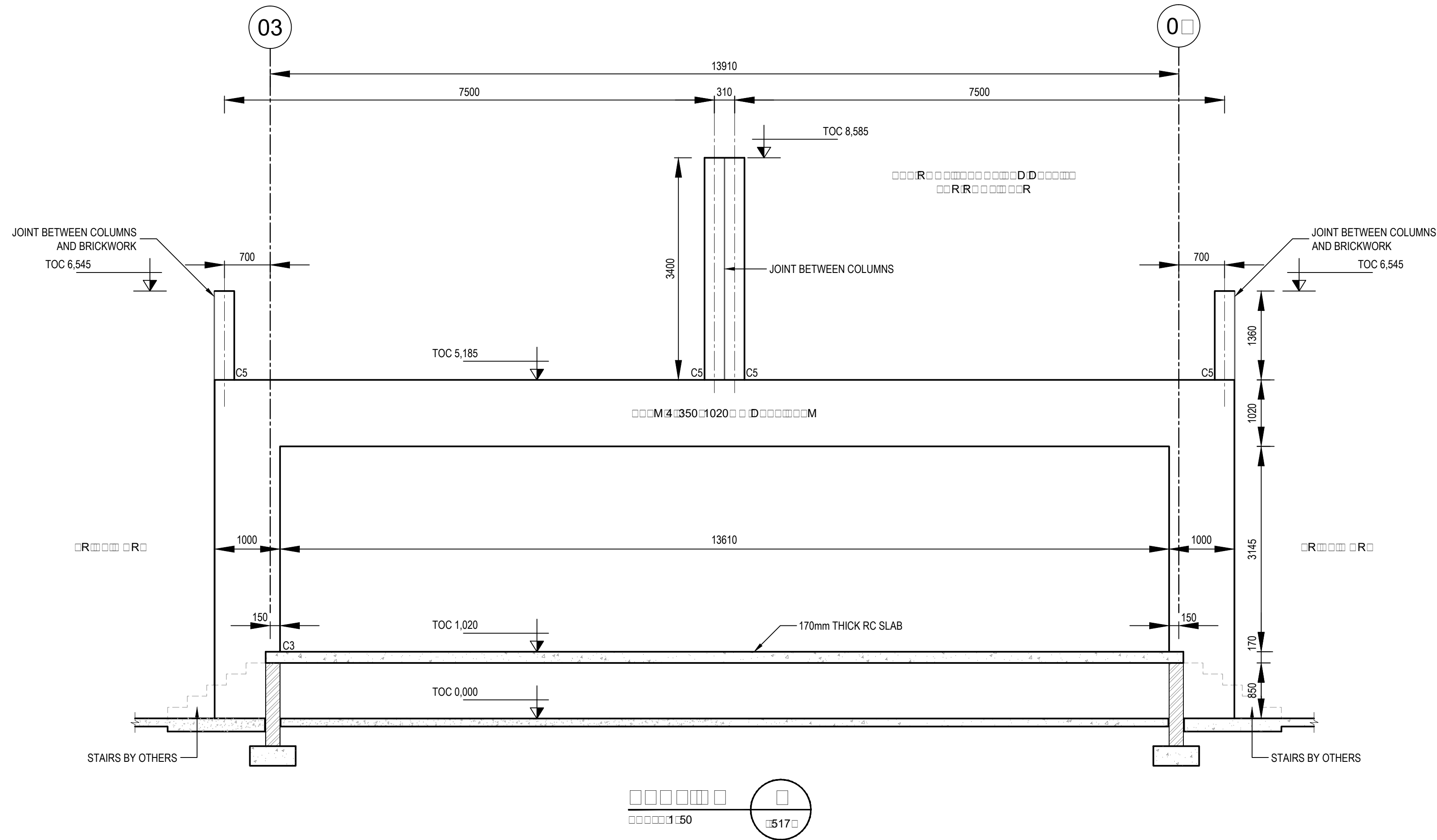


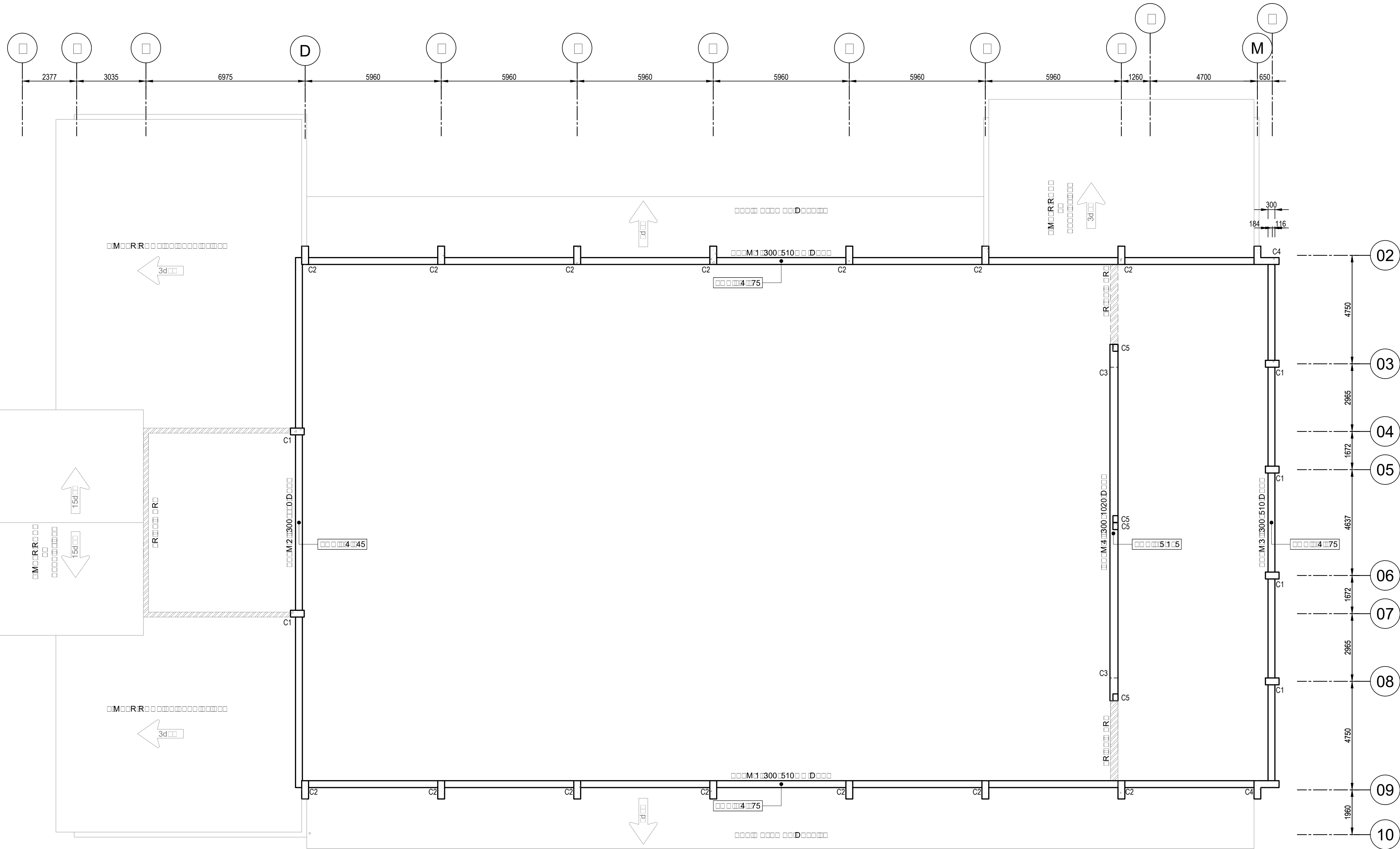


SURFACE BED ON RAISED FILL AREA AND  
STAGE RC SLAB LAYOUT  
SCALE 1:100

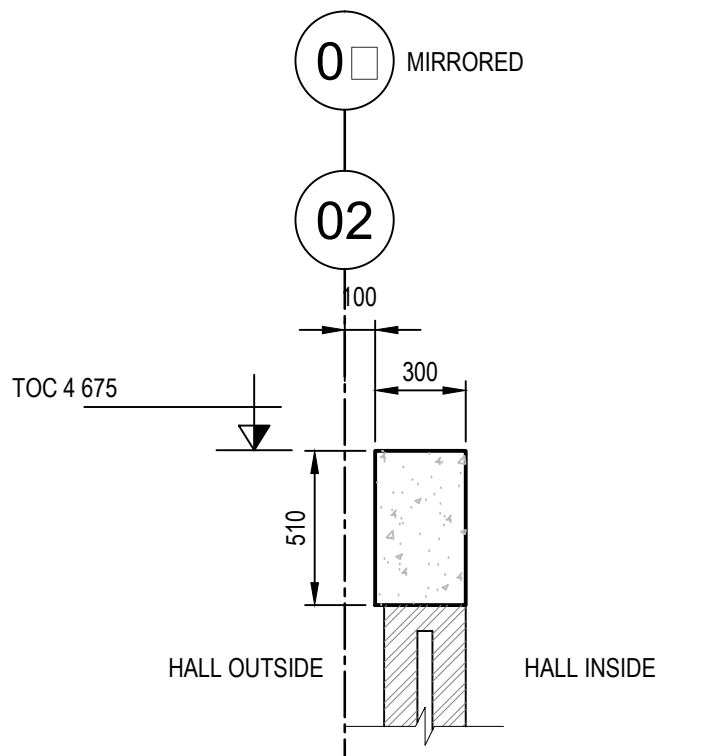




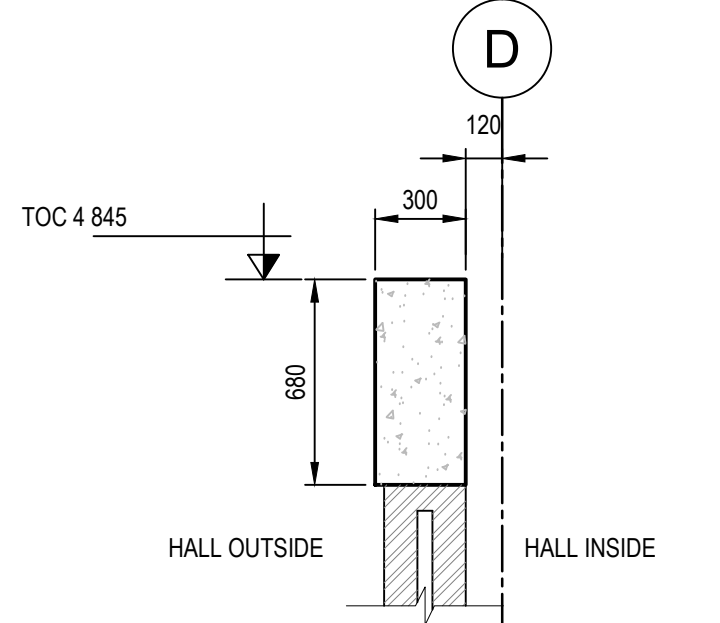




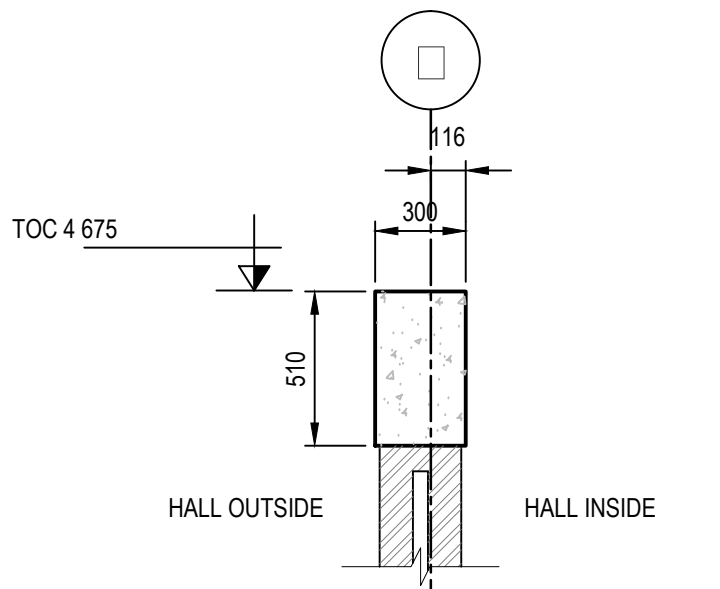
RC BEAMS LAYOUT  
SCALE 1:100



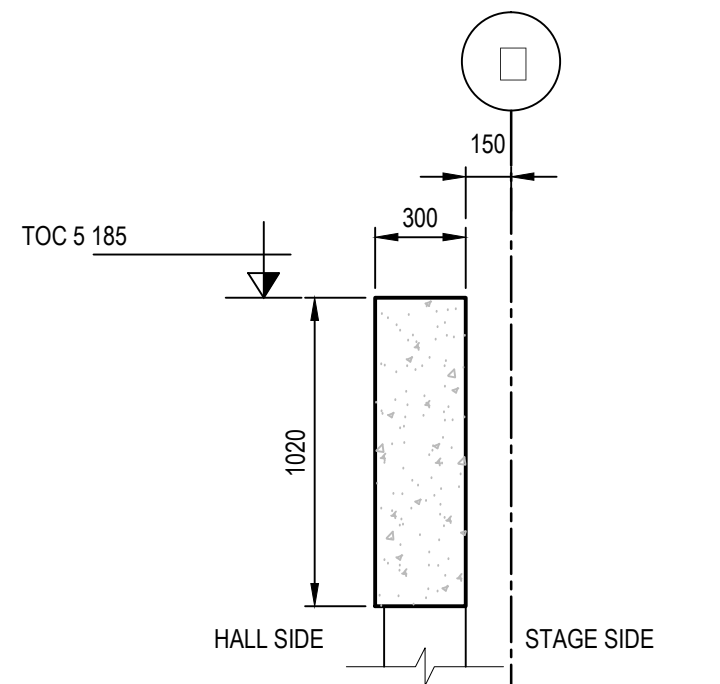
R R M 1  
330 510 D  
125



R R M 2  
330 0 D  
125



R R M 3  
330 510 D  
125



R M M 4  
330 1020 D  
125

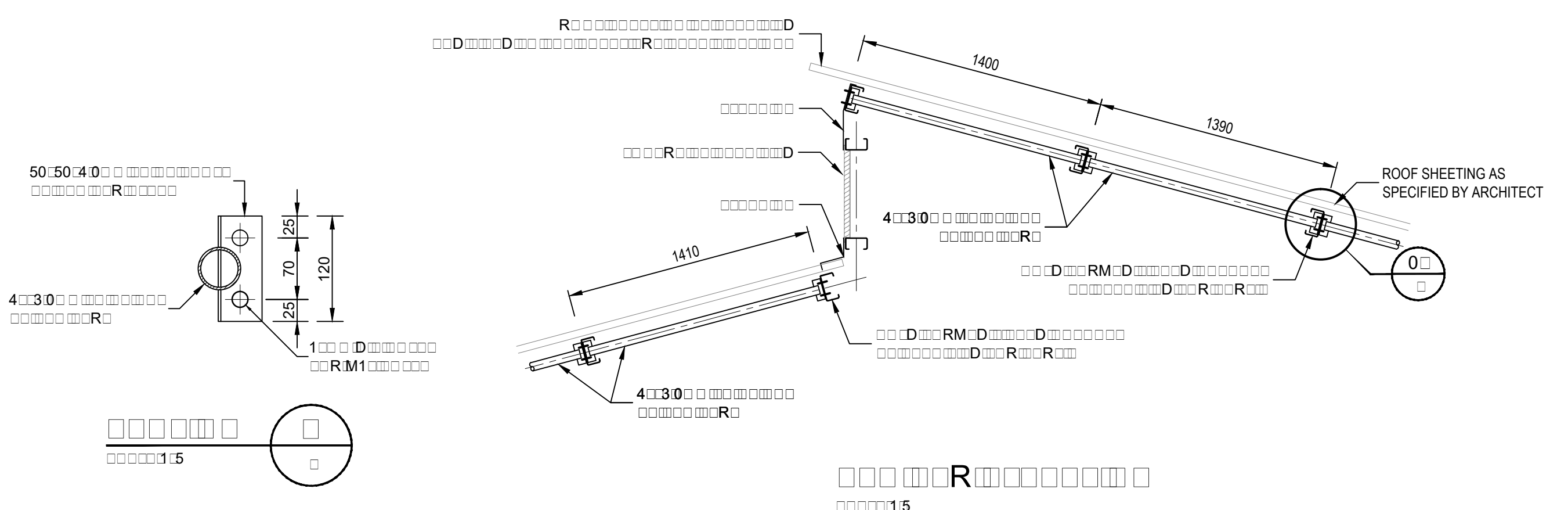
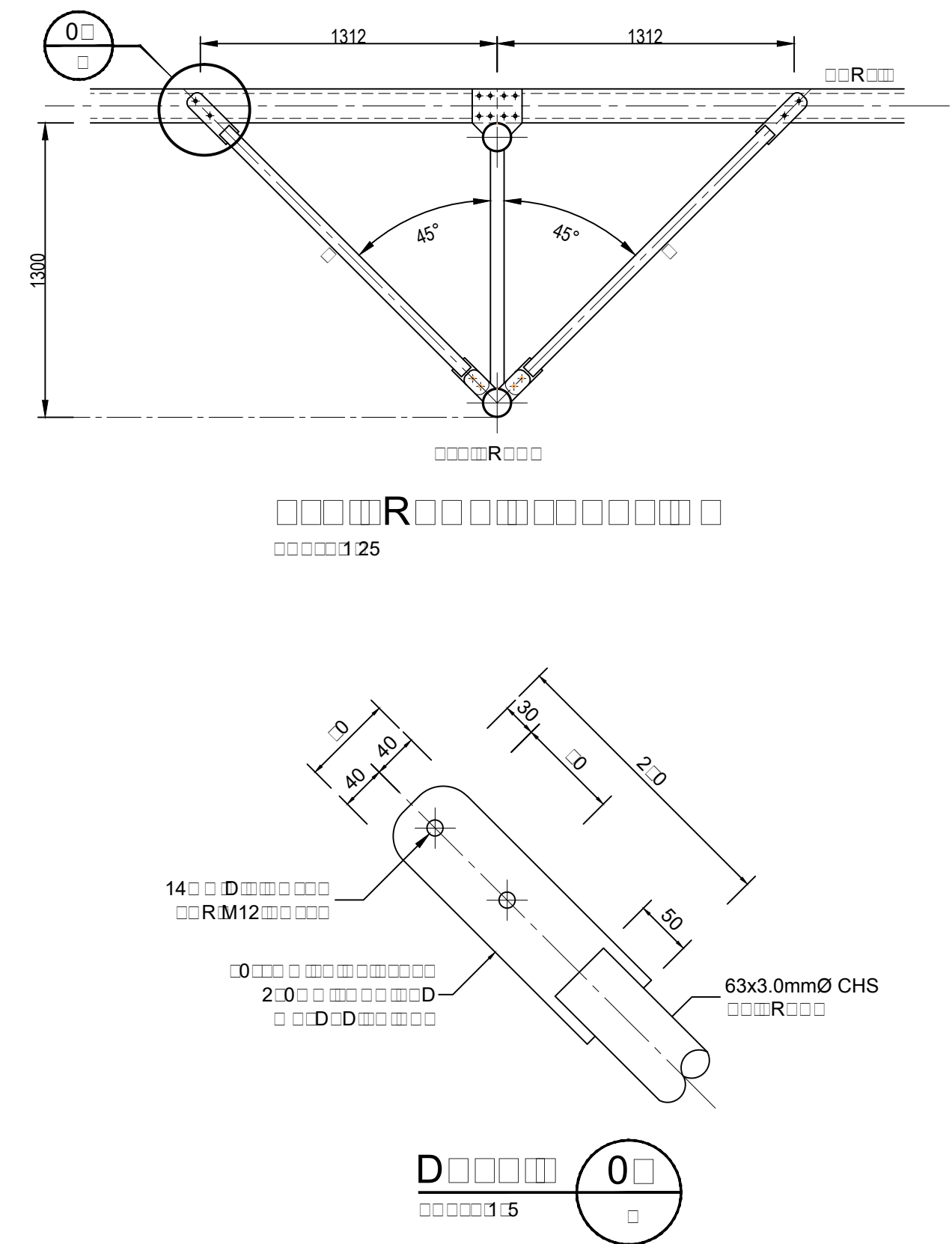
REFERENCE DRAWINGS		No.	REVISIONS	DATE	DRG SIZE	SCALE	DATE DRAWN
DRG. No.	DESCRIPTION				A1	A.S.	2021/03/17
					DESIGNED	CHECKED	
					J LOUW	S MARAIS	
					DRAWN	CHECKED	
					M SLABBERT	J LOUW	

PROJECT		FSDoE ARBEIDSGENOT PRIMARY SCHOOL
DRAWING DISCRPTION		BLOCK D : MP HALL RC BEAMS LAYOUT AND TYPICAL SECTIONS

PROJECT NO	PHASE	DISCIPLINE	STAGE
B S 0 3 3	A	SE	T

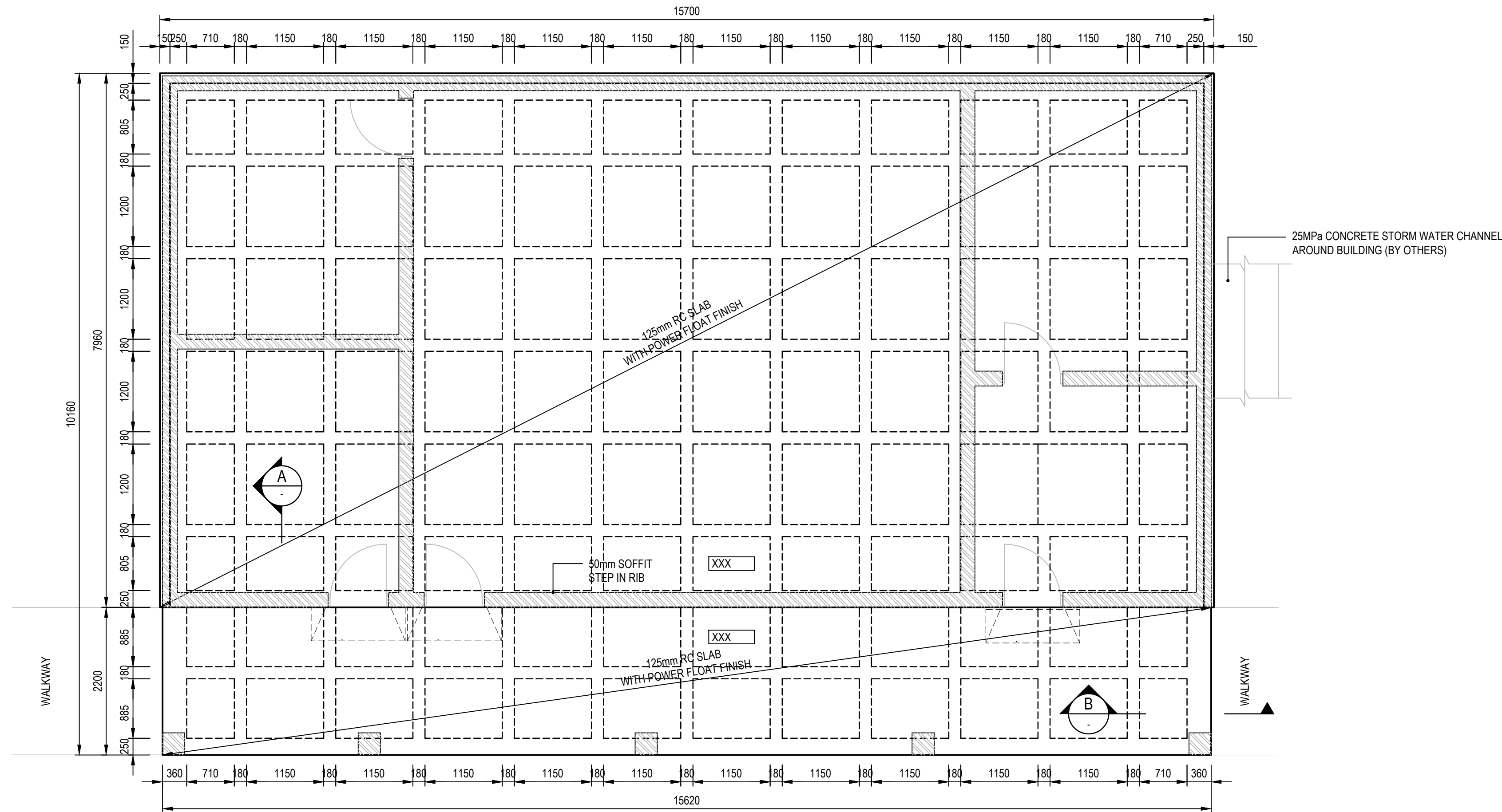
DOC TYPE	DRAWING NUMBER				REVISION
DRG	TYPE	LEVEL	NUMBER	L/O	
	A	G	5	1	9 a
					A





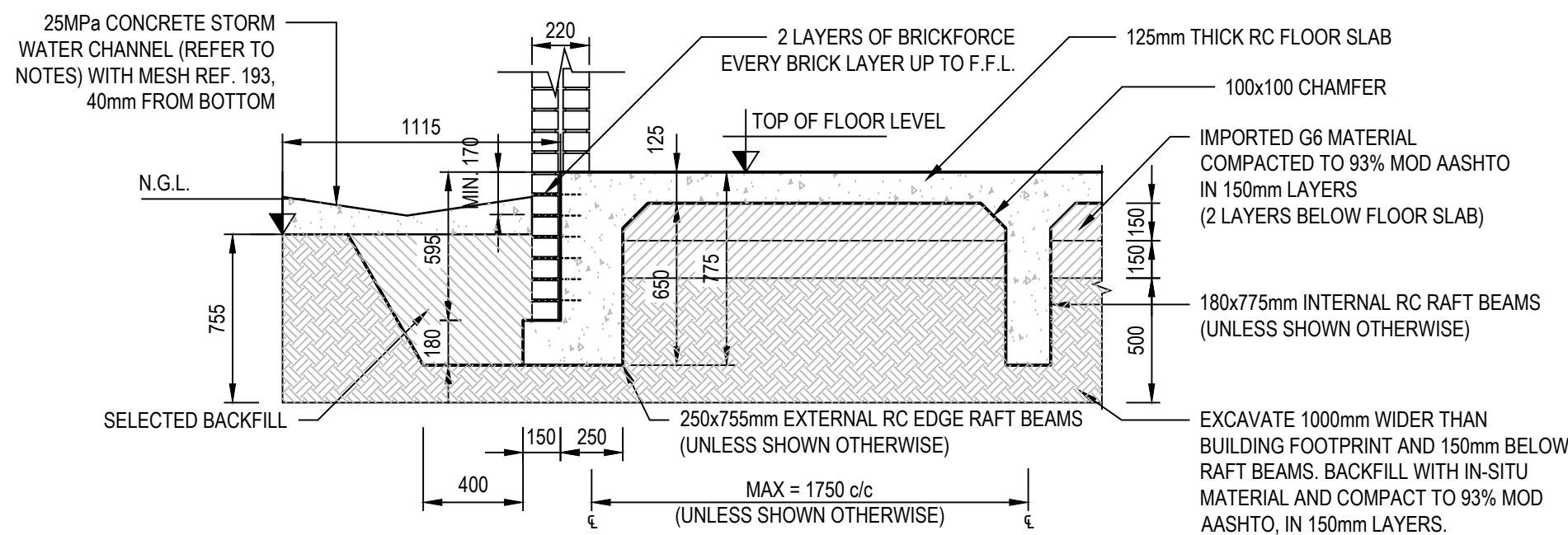






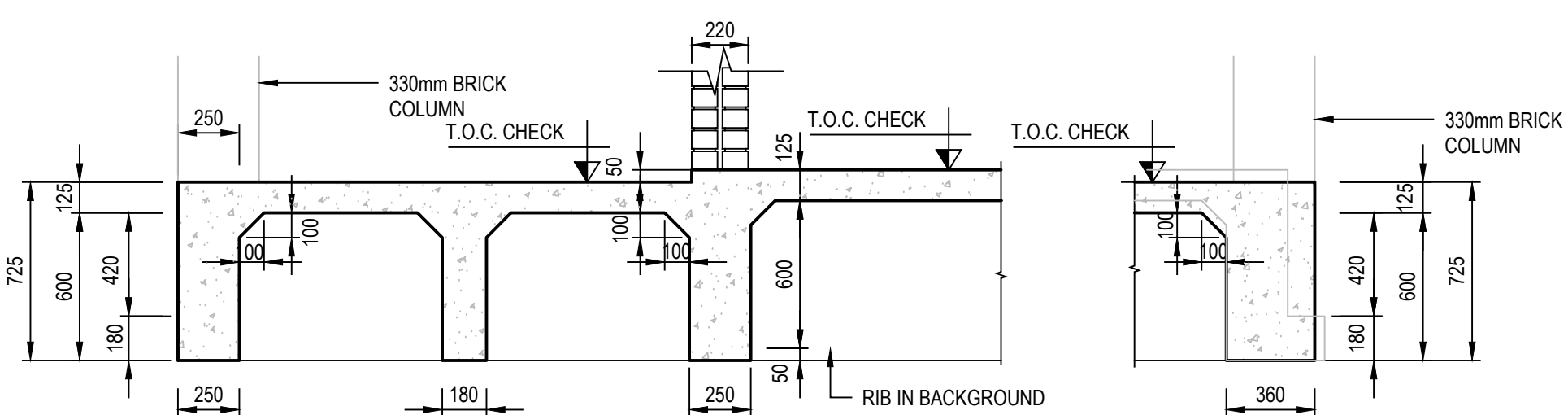
RAFT FOUNDATION LAYOUT

SCALE 1:50



TYPICAL RAFT FOUNDATION DETAIL

SCALE 1:25

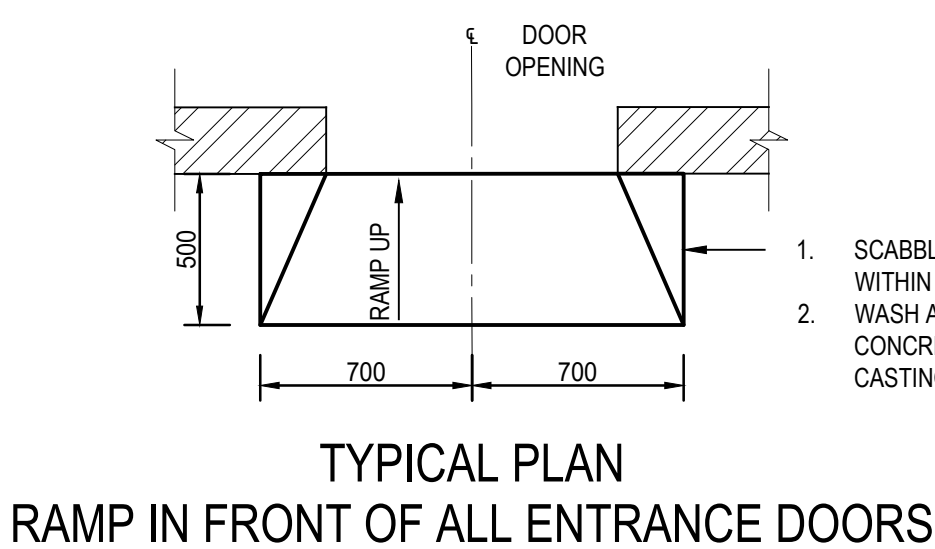


SECTION A-A

SCALE 1:25

SECTION B-B

SCALE 1:25



TYPICAL PLAN  
RAMP IN FRONT OF ALL ENTRANCE DOORS

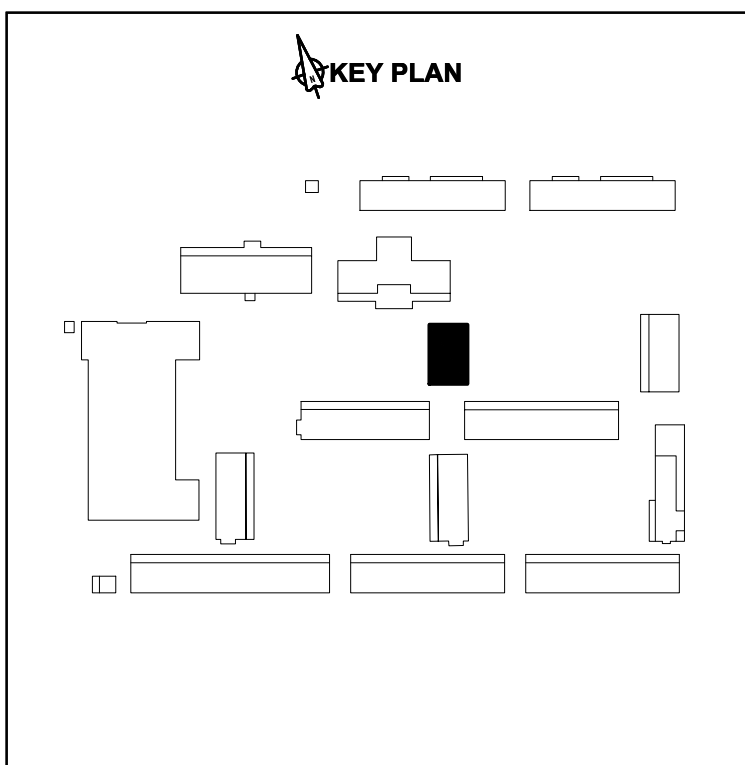
SCALE 1:25

- STORM WATER CHANNEL:
- 1000mm WIDE CONCRETE VEE-CHANNELS (CONCRETE CLASS 25/19).
  - LENGTH OF CHANNELS NOT EXCEEDING 3.0m AND CAST ALTERNATELY. 10mm JOINTS TO BE PROVIDED BETWEEN CHANNEL SECTIONS (REFER TO TYPICAL ISOLATION JOINT DETAIL).
  - ALL OUTLETS TO STORM WATER CHANNELS SHOULD BE DAY-LIGHTED, WHERE APPLICABLE.
  - SIDE SLOPES TO BE SHAPED ACCORDINGLY.

LEGEND:

	10mm EXPANSION JOINT (THROUGH BRICK WALL ONLY, SPACED AS SHOWN)
S1	= 75x75x3mm SHS STEEL COLUMNS
SOP	= SETTING OUT POINTS (REFER TO ARCHITECT'S DRAWINGS)

- NOTES:
- DRAWING TO BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS. THE ENGINEER SHOULD BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES.
  - DRAWING ALSO TO BE READ IN CONJUNCTION WITH GENERAL NOTES.



Block Number	Code	Building Description
A	SEC-W	Security Room
B	ADM2-W	Admin Building
C	MED+COMP2-W	Media Centre and Computer Laboratory
D	MP-HALL	Multi Purpose School Hall
F	HOD+SCIE+CL1+ABL-W	HOD Offices, Science Laboratory, Classroom and Ablutions
G	CL4+STO4-W	Four Classrooms with Stores
H	CL2+STO2-W	Two Classrooms with Stores
I	HOD+MPC+ABL-W	HOD Offices, Multi Purpose Classroom and Ablutions
J	HOD+SCIE+ABL-W	HOD Offices, Science Laboratory and Ablutions
K	TS-1+CHN-W	Tuck Shop and Change Rooms
L	CAR-W	Care Takers Room / Residence
M	CL5+STO6-W	Five Classrooms with Stores and Outside Store
N	CL4+STO4-W	Four Classrooms with Stores
O	CL4+STO4-W	Four Classrooms with Stores
P	3GR-R-W	Grade RR-R Classrooms
Q	3GR-R-W	Grade RR-R Classrooms
		Refuse

APPROVED BY

CLIENT \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED BY

ARCHITECT \_\_\_\_\_ DATE \_\_\_\_\_

REFERENCE DRAWINGS		No.	REVISIONS	DATE
DRG. No.	DESCRIPTION			

DRG SIZE	SCALE	DATE DRAWN
A1	A.S.	2021/03/17
DESIGNED	CHECKED	
J LOUW	S MARAIS	
DRAWN	CHECKED	
M SLABBERT	J LOUW	

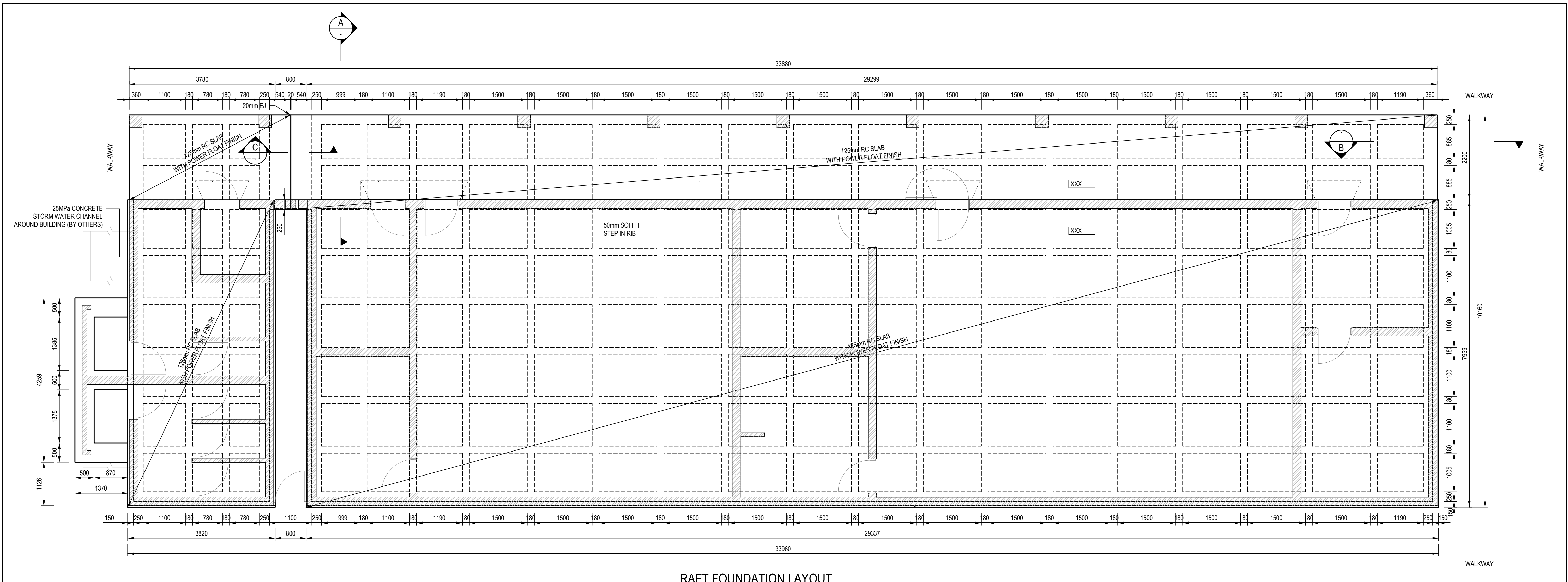
PROJECT  
**FSDoE**  
**ARBEIDSGENOT PRIMARY SCHOOL**

DRAWING DISCRPTION  
**BLOCK E : CL1+HOD\_W**  
**RAFT FOUNDATION LAYOUT**

PROJECT NO	PHASE	DISCIPLINE	STAGE
B S 0 3 3	A	SE	T

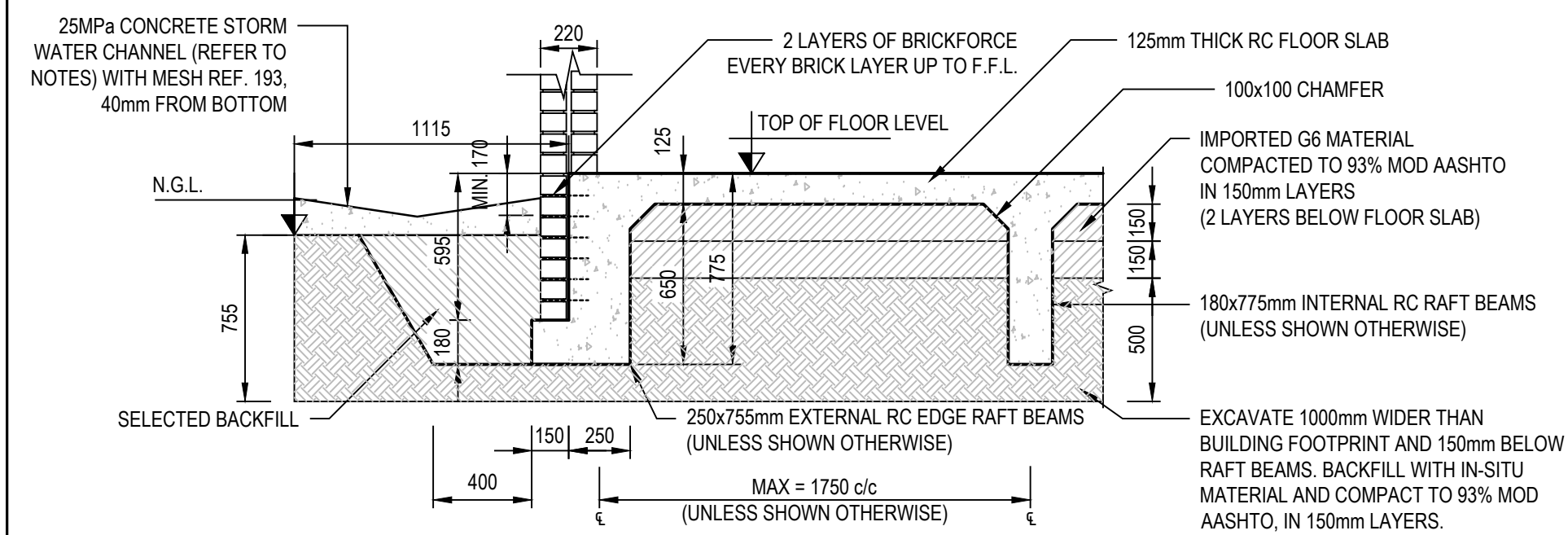
DOC TYPE	DRAWING NUMBER				REVISION
DRG	TYPE	LEVEL	NUMBER	L/O	
	A	G	5	2	5 a
					A





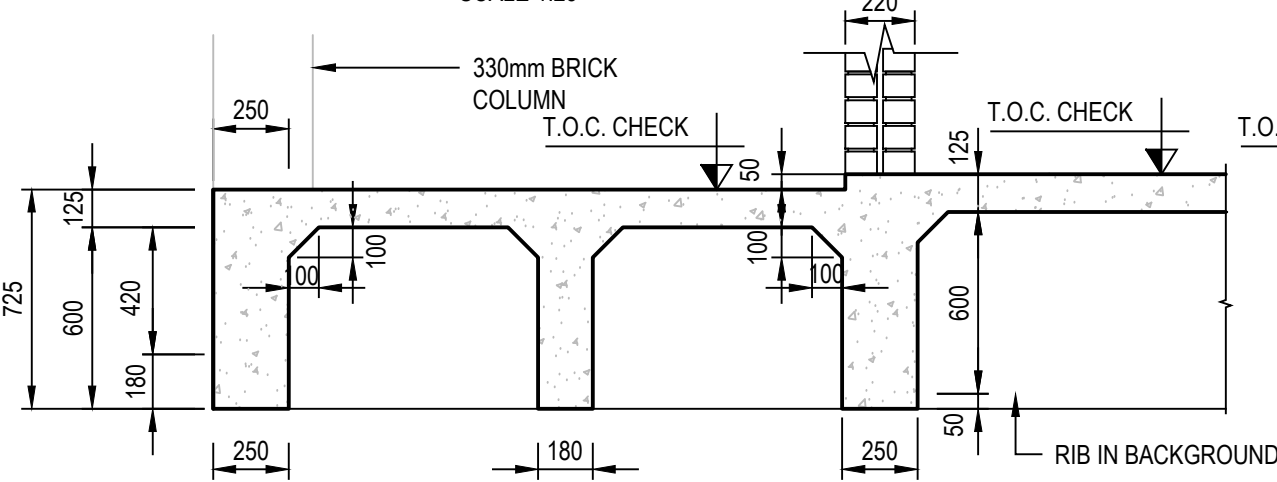
RAFT FOUNDATION LAYOUT

SCALE 1:50



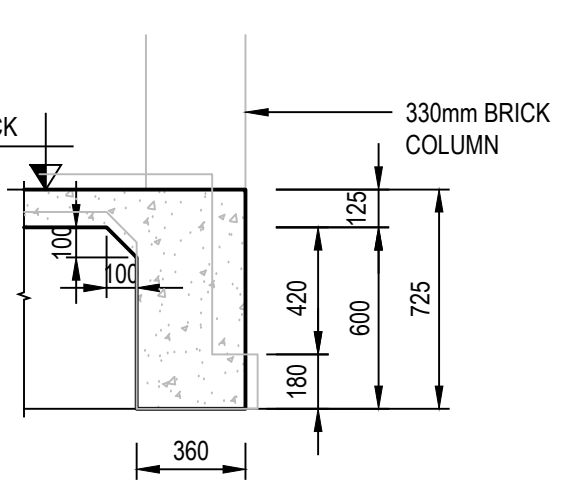
TYPICAL RAFT FOUNDATION DETAIL

SCALE 1:25



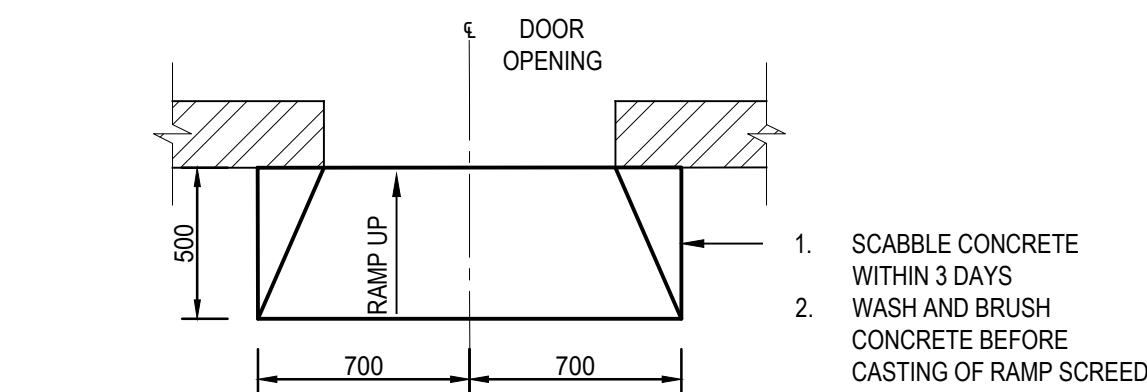
SECTION A-A

SCALE 1:25



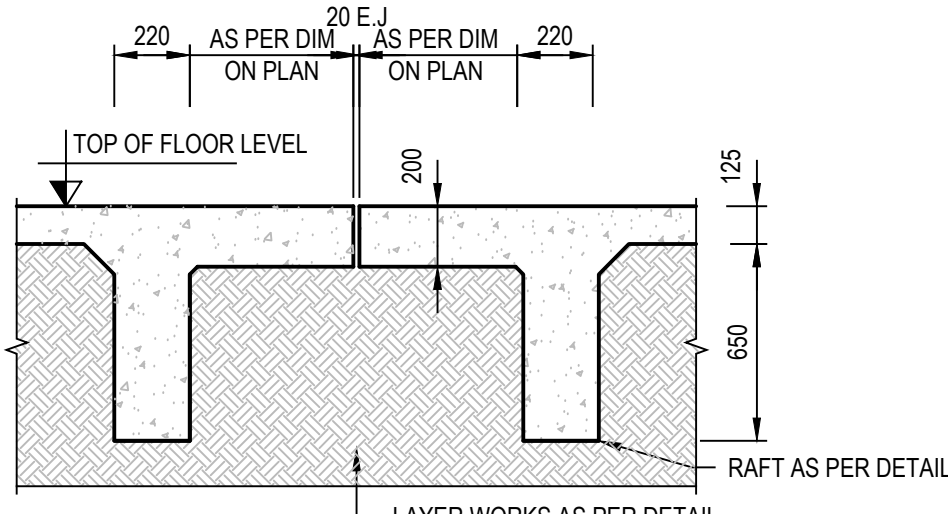
SECTION B-B

SCALE 1:25



TYPICAL PLAN  
RAMP IN FRONT OF ALL ENTRANCE DOORS

SCALE 1:25



SECTION C-C

SCALE 1:25

- STORM WATER CHANNEL:
- 1000mm WIDE CONCRETE VEE-CHANNELS (CONCRETE CLASS 25/19).
  - LENGTH OF CHANNELS NOT EXCEEDING 3.0m AND CAST ALTERNATELY. 10mm JOINTS TO BE PROVIDED BETWEEN CHANNEL SECTIONS (REFER TO TYPICAL ISOLATION JOINT DETAIL).
  - ALL OUTLETS TO STORM WATER CHANNELS SHOULD BE DAY-LIGHTED, WHERE APPLICABLE.
  - SIDE SLOPES TO BE SHAPED ACCORDINGLY.

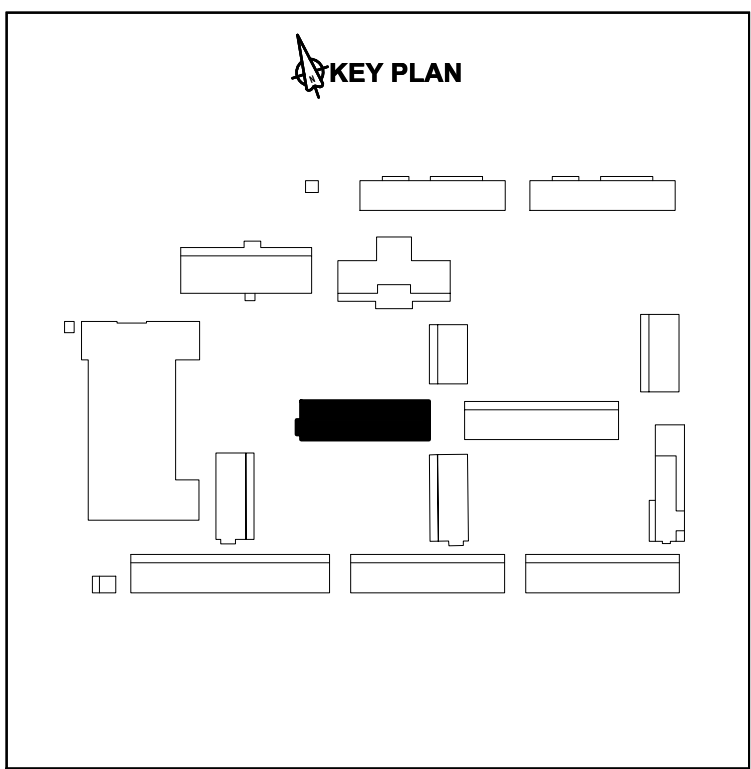
LEGEND:

10mm EXPANSION JOINT (THROUGH BRICK WALL ONLY, SPACED AS SHOWN)

S1 = 75x75x3mm SHS STEEL COLUMNS

SOP = SETTING OUT POINTS (REFER TO ARCHITECT'S DRAWINGS)

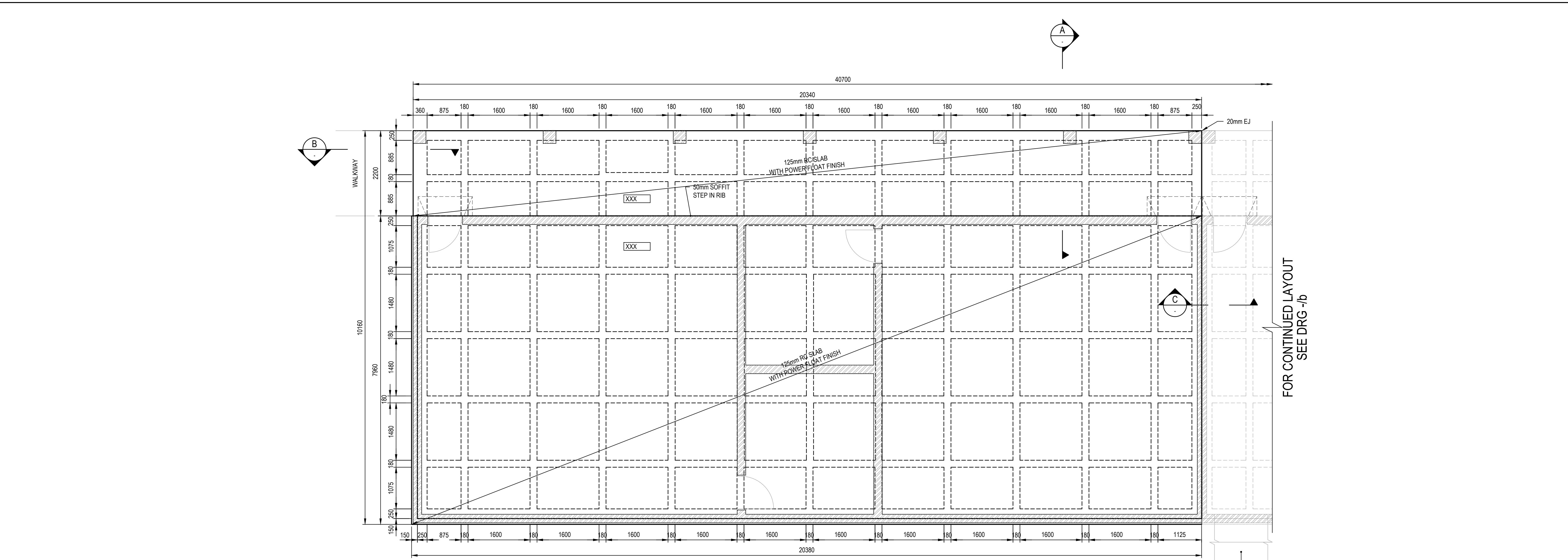
- NOTES:
- DRAWING TO BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS. THE ENGINEER SHOULD BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES.
  - DRAWING ALSO TO BE READ IN CONJUNCTION WITH GENERAL NOTES.



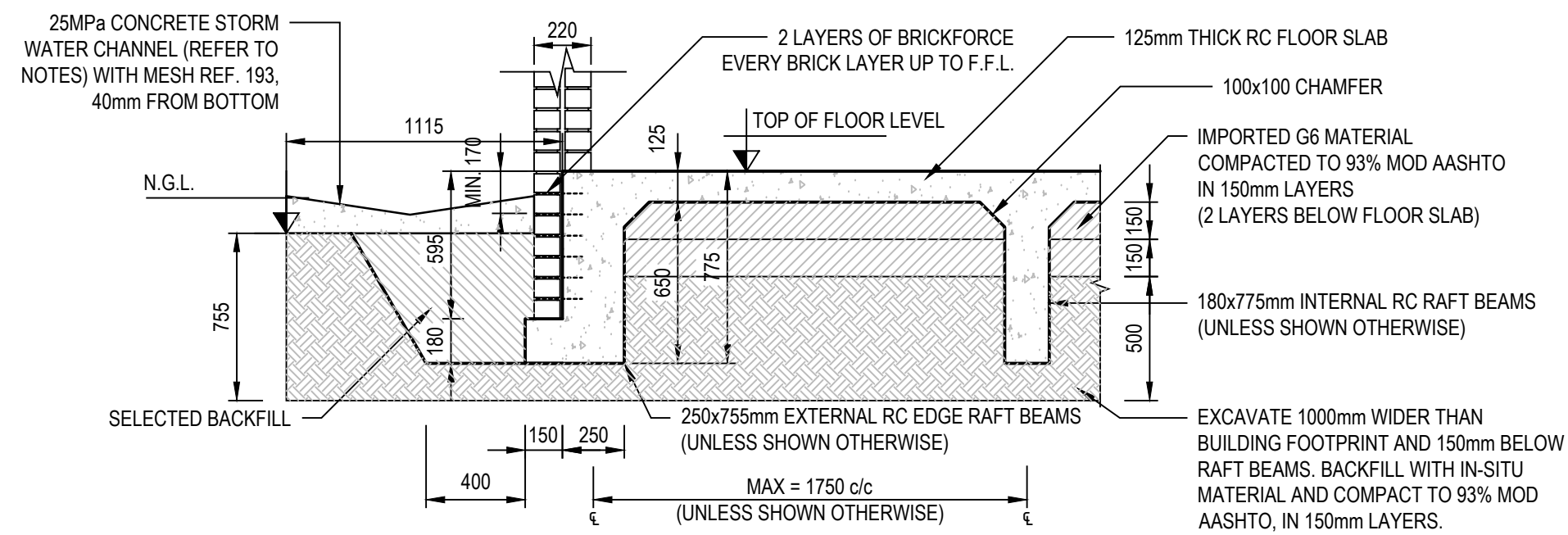
Block Number	Code	Building Description
A	SEC-W	Security Room
B	ADM2-W	Admin Building
C	MED+COMP2-W	Media Centre and Computer Laboratory
D	MP-HALL	Multi Purpose School Hall
E	CL1+HOD-W	Classroom and HOD Offices
F	HOD+SCIE+CL1+ABL-W	HOD Offices, Science Laboratory, Classroom and Ablutions
G	CL4+STO4-W	Four Classrooms with Stores
H	CL2+STO2-W	Two Classrooms with Stores
I	HOD+MPC+ABL-W	HOD Offices, Multi Purpose Classroom and Ablutions
J	HOD+SCIE+ABL-W	HOD Offices, Science Laboratory and Ablutions
K	TS-1+CHN-W	Tuck Shop and Change Rooms
L	CAR-W	Care Takers Room / Residence
M	CL5+STO6-W	Five Classrooms with Stores and Outside Store
N	CL4+STO4-W	Four Classrooms with Stores
O	CL4+STO4-W	Four Classrooms with Stores
P	3GR-R-W	Grade RR-R Classrooms
Q	3GR-R-W	Grade RR-R Classrooms
		Refuse

 Member of the Surbana Jurong Group  23 SECOND AVENUE WESTDENE SUITE 122 PRIVATE BAG X01 BRANDHOF 9324 TEL : (051) 411 - 8700 FAXS : (051) 447 - 6000 WEBSITE : // WWW.SMEC.COM	  APPROVED BY  CLIENT DATE	  APPROVED BY  ARCHITECT DATE	REFERENCE DRAWINGS	No.	REVISIONS	DATE	DRG SIZE	SCALE	DATE DRAWN	PROJECT		
			DRG. No.	DESCRIPTION					A1	A.S.	2021/03/17	FSDoE ARBEIDSGENOT PRIMARY SCHOOL
									DESIGNED J LOUW	CHECKED S MARAIS		
									DRAWN M SLABBERT	CHECKED J LOUW		
DRAWING DESCRIPTION										BLOCK F : HOD+SCIE+CL1+ABL-W RAFT FOUNDATION LAYOUT		
PROJECT NO. B S 0 3 3 PHASE A DISCIPLINE SE STAGE T												
DRAWING NUMBER DOC TYPE DRG TYPE LEVEL NUMBER L/O REVISION A												

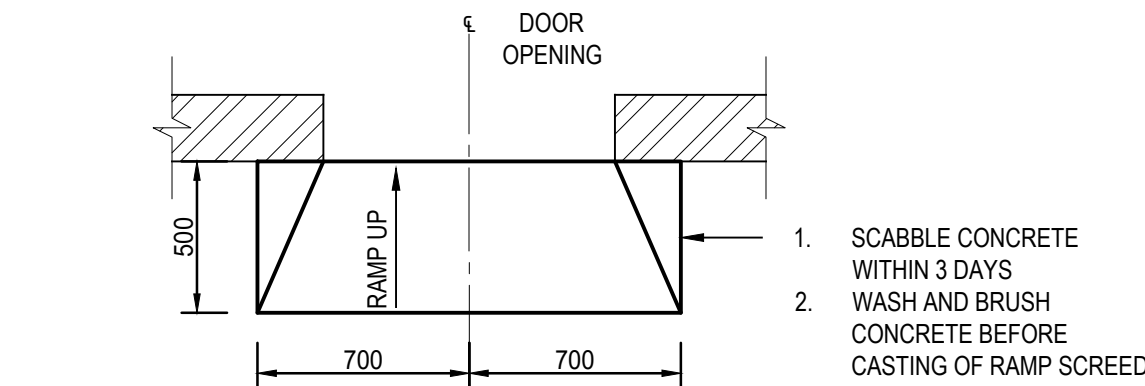




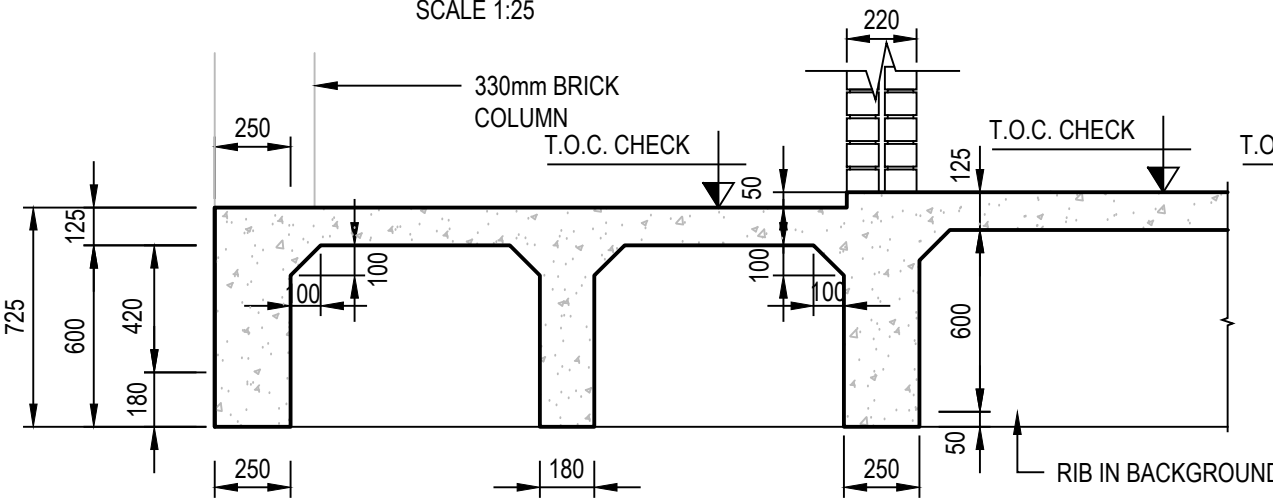
RAFT FOUNDATION LAYOUT  
PART a  
SCALE 1:50



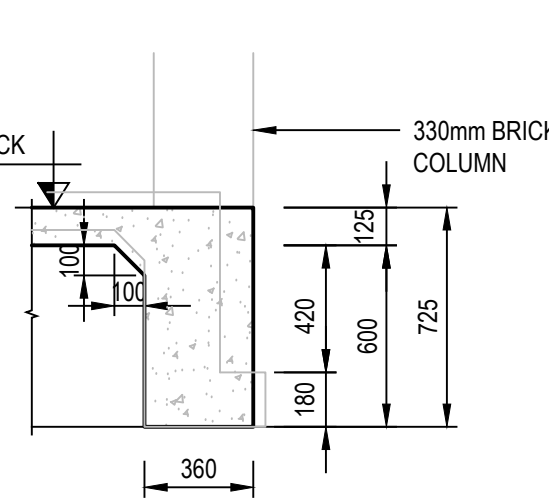
TYPICAL RAFT FOUNDATION DETAIL  
SCALE 1:25



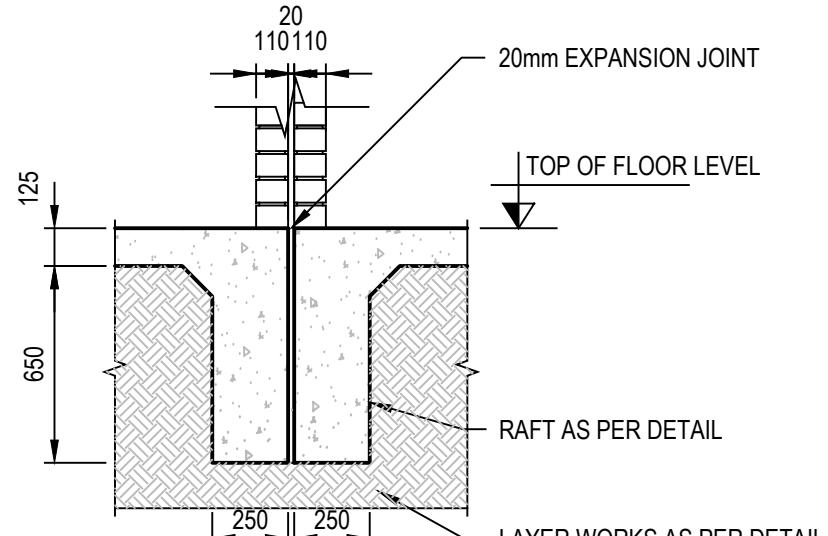
TYPICAL PLAN  
RAMP IN FRONT OF ALL ENTRANCE DOORS  
SCALE 1:25



SECTION A-A  
SCALE 1:25



SECTION B-B  
SCALE 1:25



SECTION C-C  
SCALE 1:25

- STORM WATER CHANNEL:
- 1000mm WIDE CONCRETE VEE-CHANNELS (CONCRETE CLASS 25/19).
  - LENGTH OF CHANNELS NOT EXCEEDING 3.0m AND CAST ALTERNATELY. 10mm JOINTS TO BE PROVIDED BETWEEN CHANNEL SECTIONS (REFER TO TYPICAL ISOLATION JOINT DETAIL).
  - ALL OUTLETS TO STORM WATER CHANNELS SHOULD BE DAY-LIGHTED, WHERE APPLICABLE.
  - SIDE SLOPES TO BE SHAPED ACCORDINGLY.

LEGEND:

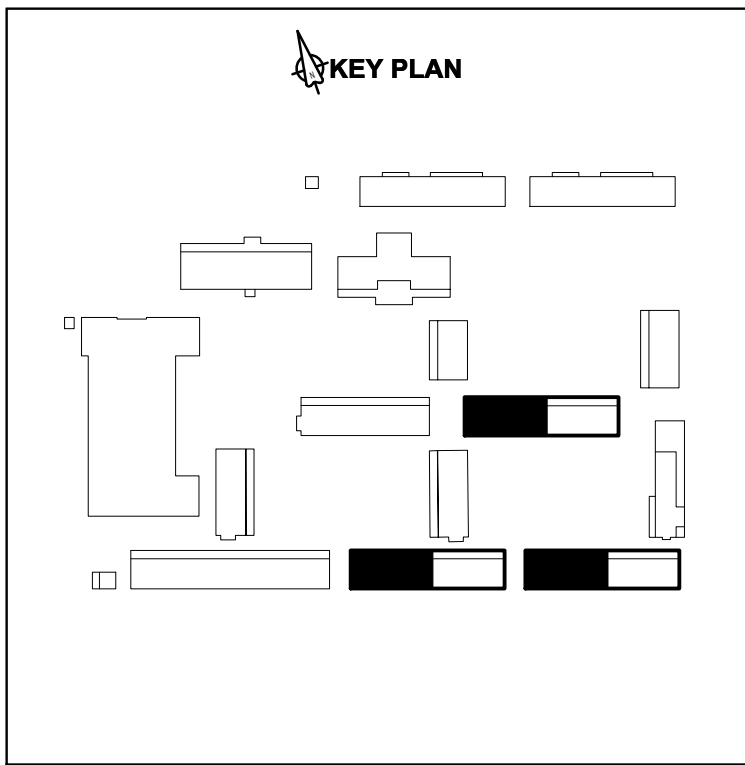
10mm EXPANSION JOINT (THROUGH BRICK WALL ONLY, SPACED AS SHOWN)

S1 = 75x75x3mm SHS STEEL COLUMNS

SOP = SETTING OUT POINTS (REFER TO ARCHITECT'S DRAWINGS)

NOTES:

- DRAWING TO BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS. THE ENGINEER SHOULD BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES.
- DRAWING ALSO TO BE READ IN CONJUNCTION WITH GENERAL NOTES.



Block Number	Code	Building Description
A	SEC-W	Security Room
B	ADM2-W	Admin Building
C	MED+COMP2-W	Media Centre and Computer Laboratory
D	MP-HALL	Multi Purpose School Hall
E	CL1+HOD-W	Classroom and HOD Offices
F	HOD+SCIE+CL1+ABL-W	HOD Offices, Science Laboratory, Classroom and Ablutions
G	CL4+STO4-W	Four Classrooms with Stores
H	CL2+STO2-W	Two Classrooms with Stores
I	HOD+MPC+ABL-W	HOD Offices, Multi Purpose Classroom and Ablutions
J	HOD+SCIE+ABL-W	HOD Offices, Science Laboratory and Ablutions
K	TS-1+CHN-W	Tuck Shop and Change Rooms
L	CAR-W	Care Takers Room / Residence
M	CL5+STO6-W	Five Classrooms with Stores and Outside Store
N	CL4+STO4-W	Four Classrooms with Stores
O	CL4+STO4-W	Four Classrooms with Stores
P	3GR-R-W	Grade RR-R Classrooms
Q	3GR-R-W	Grade RR-R Classrooms
		Refuse

Member of the Surbana Jurong Group

APPROVED BY  
\_\_\_\_\_  
CLIENT  
\_\_\_\_\_  
DATE

APPROVED BY  
\_\_\_\_\_  
ARCHITECT  
\_\_\_\_\_  
DATE

DRG. No.	DESCRIPTION	No.	REVISIONS	DATE

DRG. SIZE	SCALE	DATE DRAWN
A1	A.S.	2021/03/17
DESIGNED	CHECKED	
J LOUW	S MARAIS	
DRAWN	CHECKED	
M SLABBERT	J LOUW	

PROJECT  
FSDoE  
ARBEIDSGENOT PRIMARY SCHOOL  
DRAWING DISCUSSION  
BLOCKS : G, N & O : CL4+STO4-W  
RAFT FOUNDATION LAYOUT

PROJECT NO	PHASE	DISCIPLINE	STAGE
B S 0 3 3	A	SE	T

DOC TYPE	TYPE	LEVEL	NUMBER	L/O	REVISION
DRG	A	G	5	3	5 a

REVISION
A

23 SECOND AVENUE WESTDENE  
SUITE 122 PRIVATE BAG X01  
BRANDHOF 9324  
TEL : (051) 411 - 8700  
FAXS : (051) 447 - 6000  
WEBSITE : // WWW.SMEC.COM









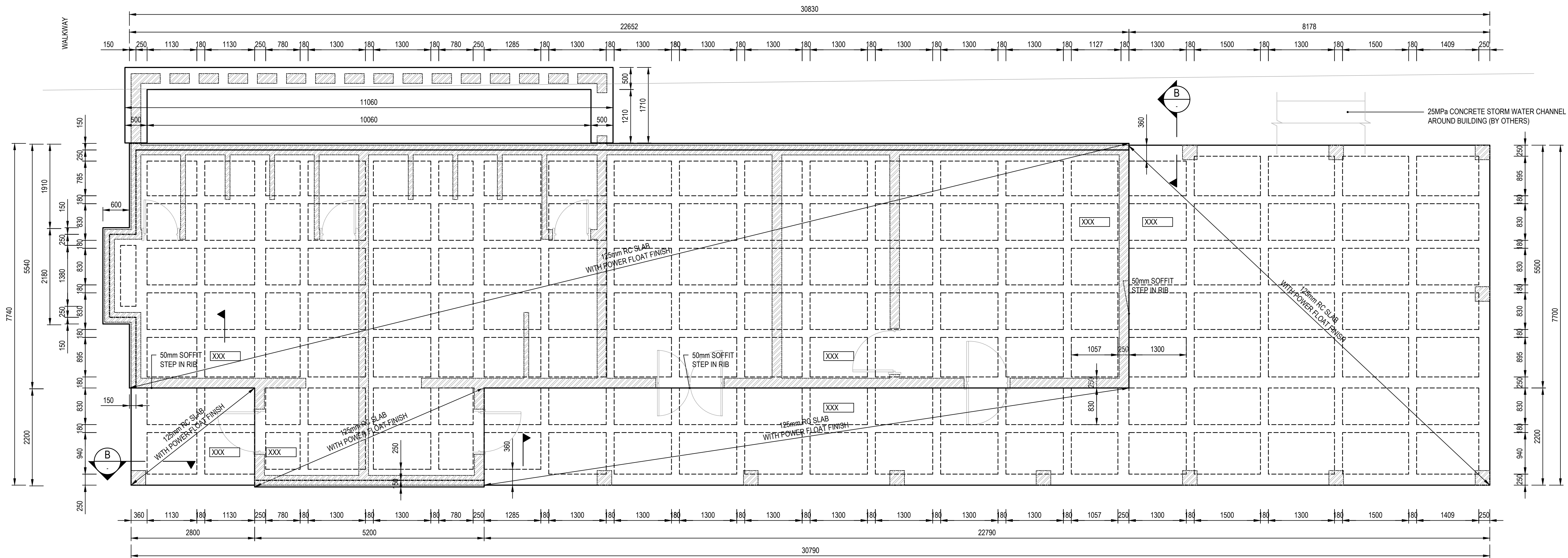






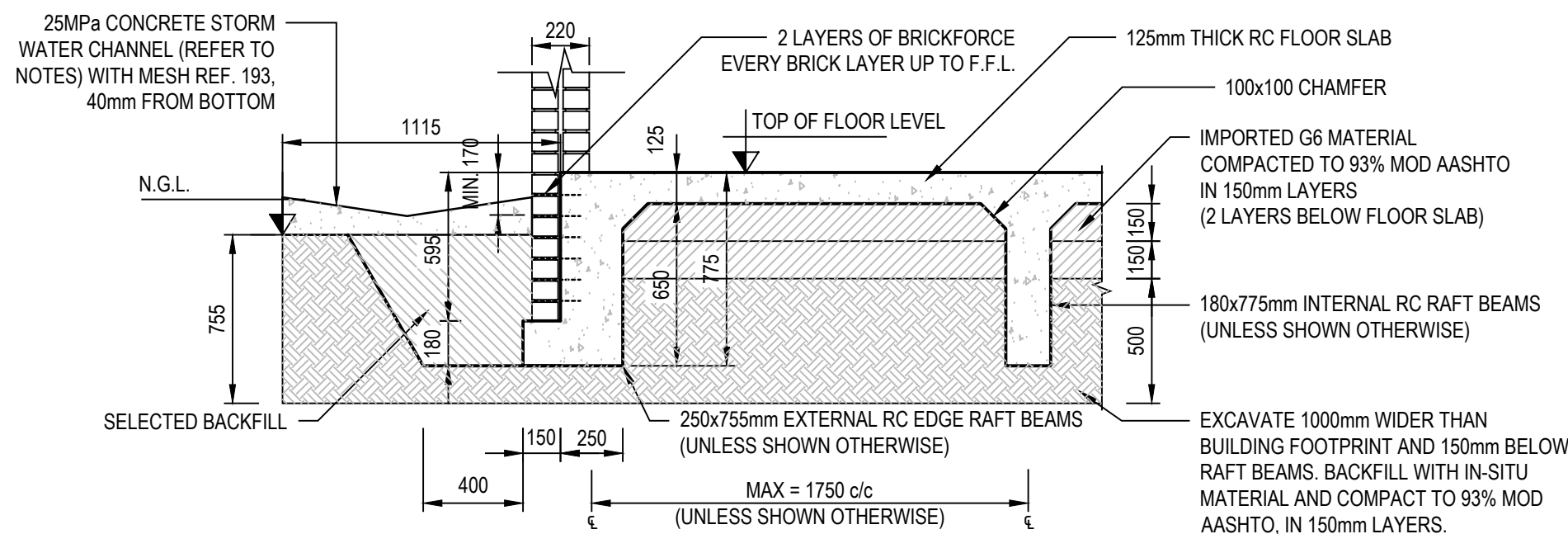






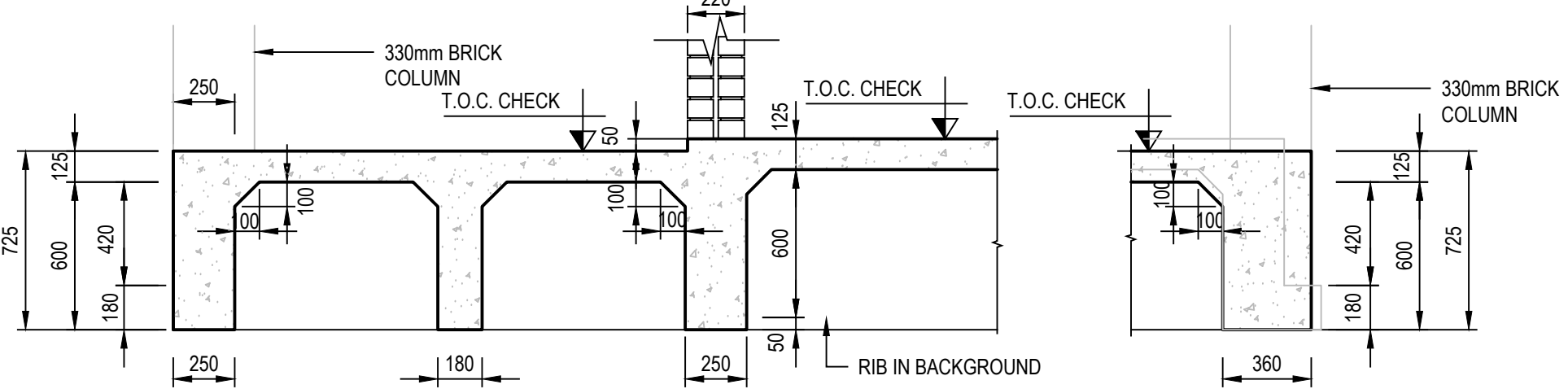
RAFT FOUNDATION LAYOUT

SCALE 1:50



TYPICAL RAFT FOUNDATION DETAIL

SCALE 1:25

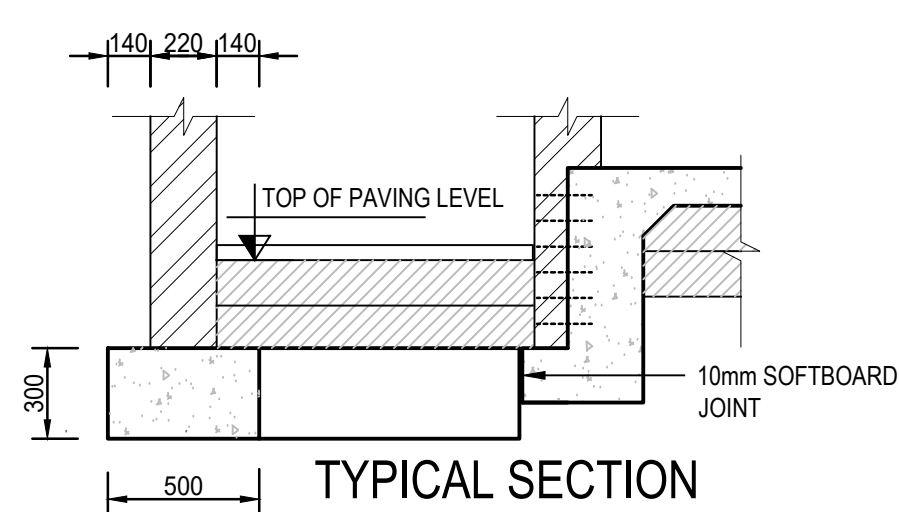


SECTION A-A

SCALE 1:25

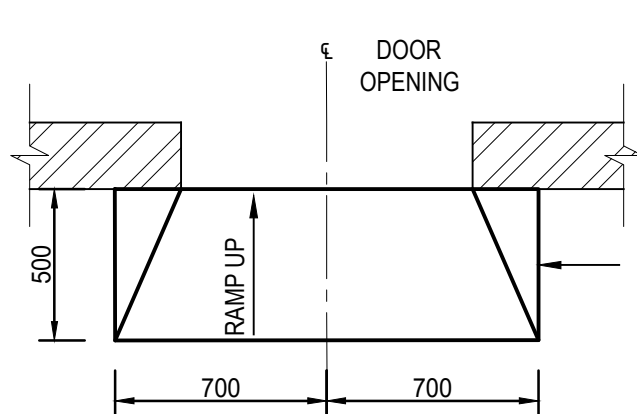
SECTION B-B

SCALE 1:25



TYPICAL SECTION STRIP FOUNDATIONS

SCALE 1:25



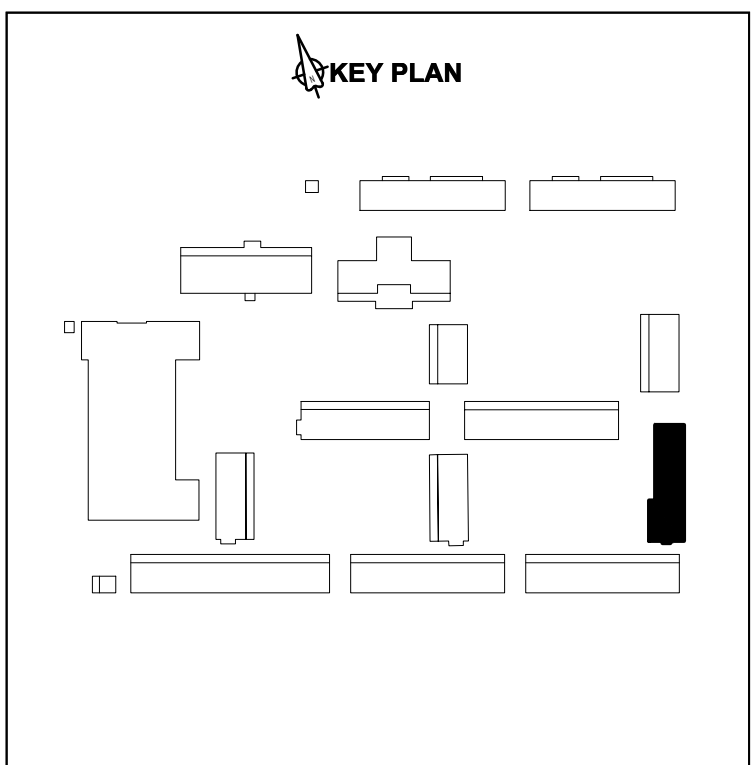
TYPICAL PLAN RAMP IN FRONT OF ALL ENTRANCE DOORS

SCALE 1:25


- STORM WATER CHANNEL:
- 1000mm WIDE CONCRETE VEE-CHANNELS (CONCRETE CLASS 25/19).
  - LENGTH OF CHANNELS NOT EXCEEDING 3.0m AND CAST ALTERNATELY. 10mm JOINTS TO BE PROVIDED BETWEEN CHANNEL SECTIONS (REFER TO TYPICAL ISOLATION JOINT DETAIL).
  - ALL OUTLETS TO STORM WATER CHANNELS SHOULD BE DAY-LIGHTED, WHERE APPLICABLE.
  - SIDE SLOPES TO BE SHAPED ACCORDINGLY.

- LEGEND:
- 10mm EXPANSION JOINT (THROUGH BRICK WALL ONLY, SPACED AS SHOWN)
  - S1 = 75x75x3mm SHS STEEL COLUMNS
  - SOP = SETTING OUT POINTS (REFER TO ARCHITECT'S DRAWINGS)


- NOTES:
- DRAWING TO BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS. THE ENGINEER SHOULD BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES.
  - DRAWING ALSO TO BE READ IN CONJUNCTION WITH GENERAL NOTES.



Block Number	Code	Building Description
A	SEC-W	Security Room
B	ADM2-W	Admin Building
C	MED+COMP2-W	Media Centre and Computer Laboratory
D	MP-HALL	Multi Purpose School Hall
E	CL1+HOD-W	Classroom and HOD Offices
F	HOD+SCIE+CL1+ABL-W	HOD Offices, Science Laboratory, Classroom and Ablutions
G	CL4+STO4-W	Four Classrooms with Stores
H	CL2+STO2-W	Two Classrooms with Stores
I	HOD+MPC+ABL-W	HOD Offices, Multi Purpose Classroom and Ablutions
J	HOD+SCIE+ABL-W	HOD Offices, Science Laboratory and Ablutions
L	CAR-W	Care Takers Room / Residence
M	CL5+STO6-W	Five Classrooms with Stores and Outside Store
N	CL4+STO4-W	Four Classrooms with Stores
O	CL4+STO4-W	Four Classrooms with Stores
P	3GR-R-W	Grade RR-R Classrooms
Q	3GR-R-W	Grade RR-R Classrooms
		Refuse



Member of the Surlana Jurong Group



ISO 9001

23 SECOND AVENUE WESTDENE  
SUITE 122 PRIVATE BAG X01  
BRANDHOF 9324  
TEL : (051) 411 - 8700  
FAXS : (051) 447 - 6000  
WEBSITE : // WWW.SMEC.COM

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_  
CLIENT \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_  
ARCHITECT \_\_\_\_\_ DATE \_\_\_\_\_

DRG. No.	DESCRIPTION	No.	REVISIONS	DATE	DRG. SIZE	SCALE	DATE DRAWN
					A1	A.S.	2021/03/17
					DESIGNED	CHECKED	
					J LOUW	S MARAIS	
					DRAWN	CHECKED	
					M SLABBERT	J LOUW	

PROJECT

FSDoE  
ARBEIDSGENOT PRIMARY SCHOOL

DRAWING DISCUSSION

BLOCK K : TS-1+CHN -W  
RAFT FOUNDATION LAYOUT

PROJECT NO  
B S 0 3 3

PHASE  
A

DISCIPLINE  
SE

STAGE  
T

DOC TYPE  
DRG

DRAWING NUMBER  
TYPE LEVEL NUMBER L/O  
A G 5 5 5 a

REVISION  
A















