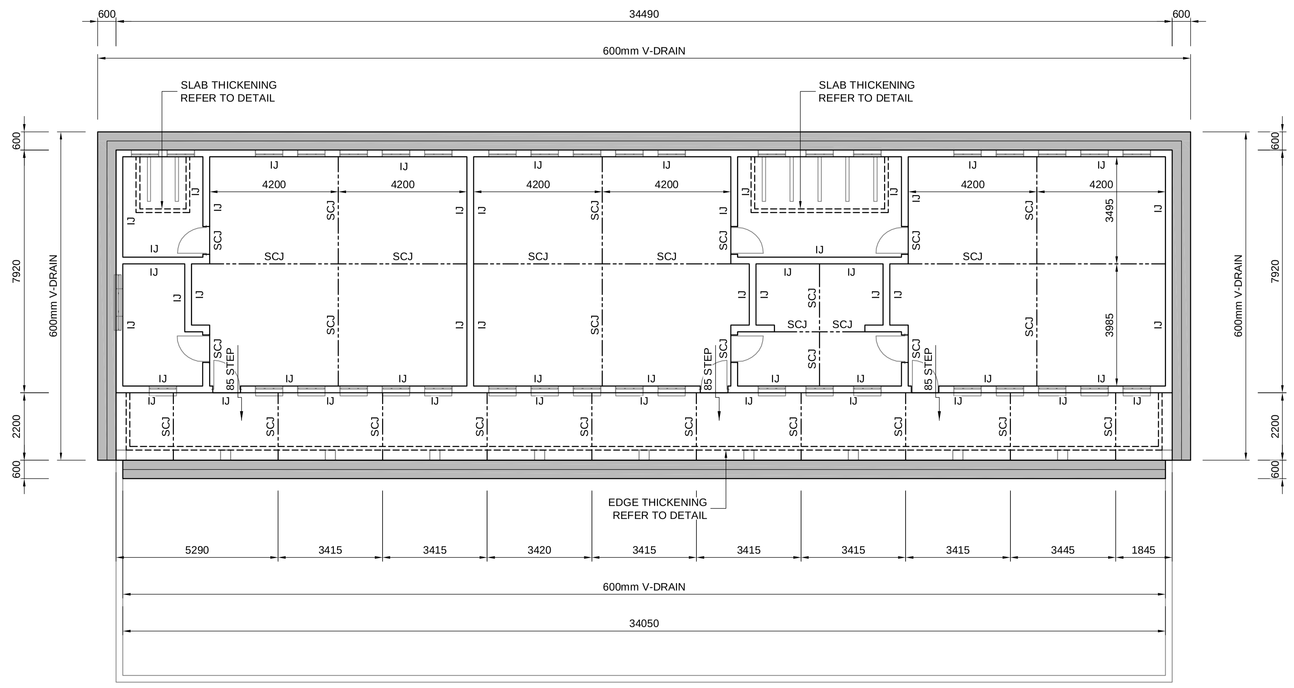
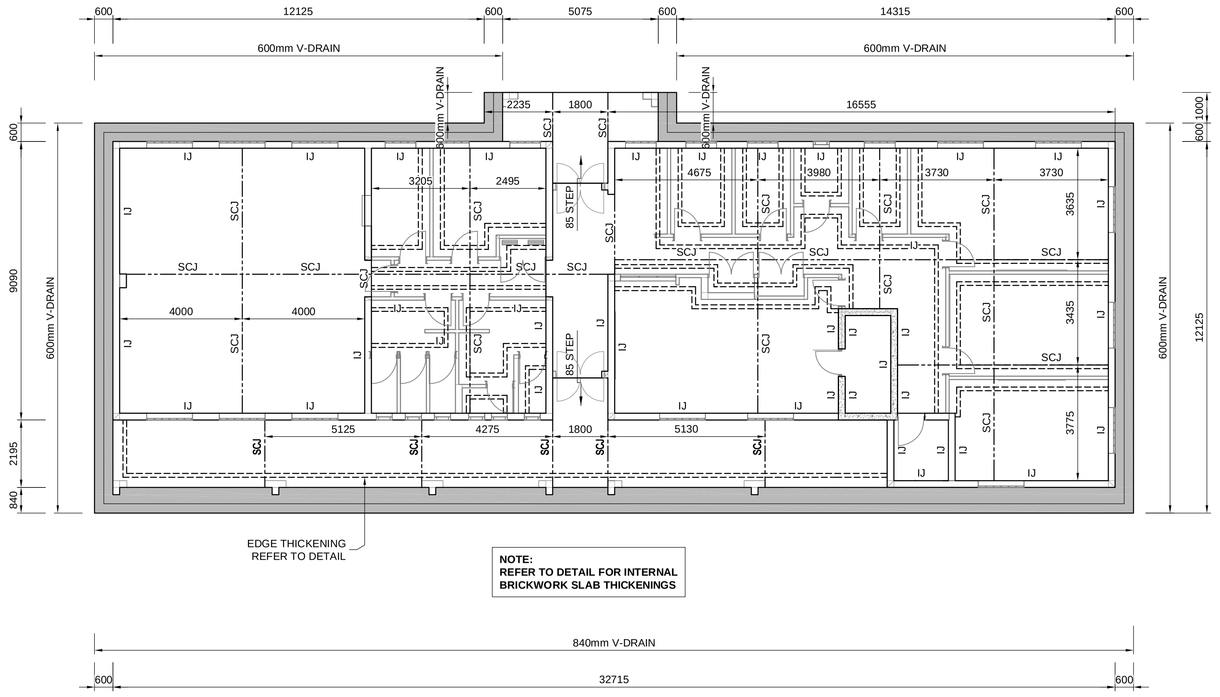


GRADE R CLASSROOM: SURFACE BED LAYOUT

SCALE 1:100

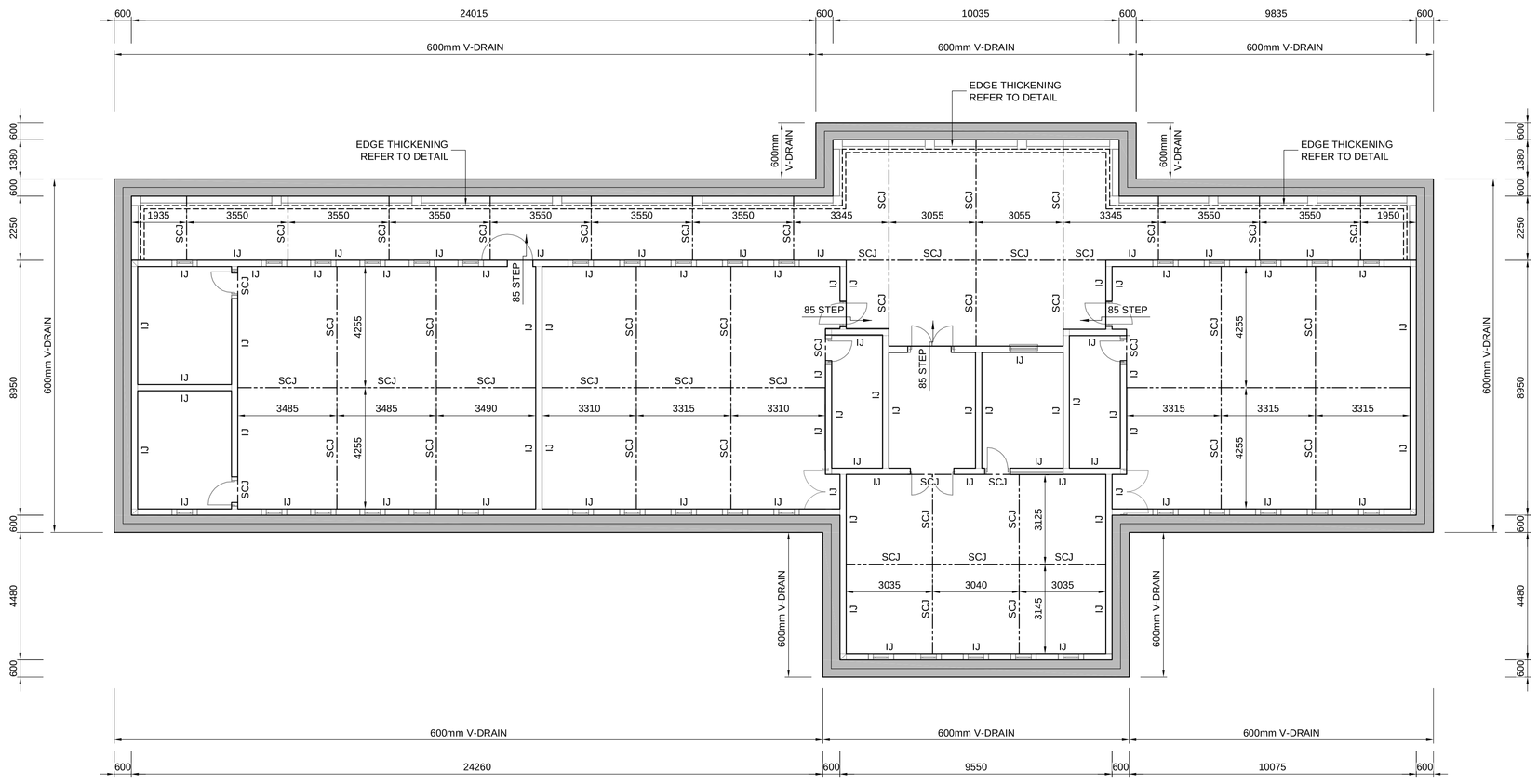


ADMIN: SURFACE BED LAYOUT

SCALE 1:100

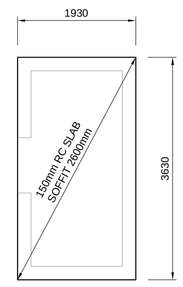
NOTES:

- 120mm THICK SURFACE BED
- 250 MICRON DAMP PROOF MEMBRANE BELOW SURFACE BED
- MESH REF. 193 AT 50mm COVER
- THICKENED SURFACE BEDS ON ALL INTERNAL WALLS WITHOUT FOUNDATIONS
- THICKENED SURFACE BED EDGE FOR WALKWAYS COLUMNS
- 150mm THICK G5 MATERIAL COMPACTED TO 95% MOD. AASHTO
- RIP AND RE-COMPACT 150mm IN-SITU MATERIAL TO 93% MOD. AASHTO



MEDIA CENTRE: SURFACE BED LAYOUT

SCALE 1:100



STRONG ROOM SLAB LAYOUT

SCALE 1:50

THIS DRAWING TO BE READ IN CONJUNCTION WITH ARCHITECTS LAYOUTS. REFER TO DRAWING NUMBER SAB1777-WH-105 FOR DETAILS.

NOTES:

1. ALL WORK IN ACCORDANCE WITH THE RELEVANT SECTIONS OF SANS 1200 AND AS REQUIRED BY THE LOCAL AUTHORITIES OR STATUTORY BODIES.
2. WHERE REFERENCE IS MADE TO THE SOUTH AFRICAN STANDARD SPECIFICATIONS, THE CURRENT EDITION SHALL BE USED.
3. REFER TO ARCHITECTS LAYOUTS FOR SETTING OUT INFORMATION.
4. ALL DIMENSIONS AND LEVELS TO BE CHECKED ON SITE PRIOR TO CONSTRUCTION. ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEER IMMEDIATELY.
5. ONLY WRITTEN DIMENSIONS AND LEVELS SHALL BE USED.
6. THIS DRAWING TO BE READ IN CONJUNCTION WITH DRAWINGS FROM THE RELEVANT DISCIPLINES, ARCHITECT, CIVIL, ELECTRICAL AND MECHANICAL.
7. THE CONTRACTOR SHALL GIVE THE ENGINEER AT LEAST 24 HOURS ADVANCE NOTICE FOR INSPECTIONS.
8. THE ENGINEER SHALL BE NOTIFIED WITHOUT DELAY SHOULD THERE BE ANY DISCREPANCIES BETWEEN DRAWINGS, DETAILS AND SPECIFICATIONS.
9. FOUNDATION EXCAVATIONS TO BE INSPECTED AND APPROVED BY THE STRUCTURAL / GEOTECHNICAL ENGINEER BEFORE ANY BLINDING IS CAST.
10. REINFORCING TO BE CHECKED AND APPROVED BY THE ENGINEER PRIOR TO CASTING CONCRETE.
11. ALL DUCTS OR RECESSES TO BE APPROVED BY THE ENGINEER.
12. POSITION OF CONSTRUCTION JOINTS TO BE APPROVED BY THE ENGINEER.
13. CONCRETE STRENGTHS @ 28 DAYS:
    BLINDING : 15 MPa
    FOUNDATIONS : 25 MPa
    COLUMNS : 30 MPa
    SURFACE BEDS : 25 MPa
    ROOF SLABS : 30 MPa
    BEAMS : 30 MPa
14. COVER TO STEEL REINFORCEMENT: U.O.N.
    FOUNDATIONS : 50 mm
    SLABS : 30 mm
    BEAMS : 30 mm
    COLUMNS : 30 mm
15. ALL SHARP EXPOSED EDGES TO BE CHAMFERED 20 x 20mm.
16. ALL WATERPROOFING TO ARCHITECTS DETAIL.
17. SAW CUTS ARE TO BE MADE AS SOON AS THE CONCRETE IS FIRM ENOUGH NOT TO BE TORN OR DAMAGED BY THE CUTTING BLADE (USUALLY BETWEEN 24 TO 48 HOURS AFTER CASTING).
18. ALL STEELWORK TO BE FABRICATED AND ERECTED IN ACCORDANCE WITH 'SANS 2001-CS1 & SANS 1921-3'.
19. ALL STEELWORK TO BE 'SANS 50025-S355JR' UNLESS OTHERWISE NOTED.
20. A COMPLETE SET OF SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL BEFORE FABRICATION COMMENCES.
21. ALL WELDS TO BE MINIMUM 6mm CONTINUOUS FILLET WELDS UNLESS OTHERWISE NOTED AND IN STRICT ACCORDANCE WITH SANS AND ANSI/AWS STANDARDS.
22. ALL BOLTS SHALL BE GRADE 8.8 UNLESS OTHERWISE NOTED.
23. ALL STEELWORK TO BE HOT DIPPED GALVANISED TO 'SANS 1200-HC AND SANS 121' UNLESS OTHERWISE NOTED.

REV	DATE	DRAWN	CHECKED	DESCRIPTION
01	2022-11-02	JH	MG	ISSUED FOR INFORMATION
00	2022-09-01	SR	MG	ISSUED FOR INFORMATION

SABEC
SAB Engineering Consulting
[designing outside the box]
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PROJECT

DBSA SCHOOLS FS
WESTERN HOLDINGS PRIMARY SCHOOL
FREE STATE

DRAWING

SURFACEBED LAYOUTS
SHEET 1 OF 2

	RESPONSIBLE PERSON		DATE
DESIGNED	KT		2022-09-01
DRAWN	JH		2022-11-02
CHECKED	MG		2022-11-02
APPROVED	MANI GOVENDER [PR ENG - 20080241]		2022-11-02
SCALE	AS SHOWN	SHEET SIZE	A0

PROJECT NUMBER	DRAWING NUMBER	STATUS	REVISION
SAB1777	WH-103-P-01		

DRAWING STATUS CODES :

R = REPORT D = DRAFT T = TENDER P = PRELIMINARY C = CONSTRUCTION A = AS BUILT

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