

- 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 ARCHITECT'S LAYOUTS FOR SETTING OUT INFORMATION.
4. DIMENSIONS AND LEVELS TO BE CHECKED ON SITE PRIOR TO CONSTRUCTION. ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEER IMMEDIATELY.
5. ONLY UNWRITTEN 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. THE CONTRACTOR SHALL GIVE THE ENGINEER AT LEAST 24 HOURS ADVANCE NOTICE FOR INSPECTIONS.
7. THE ENGINEER SHALL BE NOTIFIED WITHOUT DELAY SHOULD THERE BE ANY DISCREPANCIES BETWEEN DRAWINGS, DETAILS AND SPECIFICATIONS.
8. FOUNDATION EXCAVATIONS TO BE INSPECTED AND APPROVED BY THE STRUCTURAL ENGINEER BEFORE ANY CONSTRUCTION IS STARTED.
9. REINFORCING TO BE CHECKED AND APPROVED BY THE ENGINEER PRIOR TO CASTING CONCRETE. ALL DUCTS OR RECESSES TO BE APPROVED BY THE ENGINEER.
10. POSITION OF CONSTRUCTION JOINTS TO BE APPROVED BY THE ENGINEER.
11. CONCRETE STRENGTHS @ 28 DAYS:
 12. BLINDING : 15 MPa
 13. FOUNDATIONS : 25 MPa
 14. COLUMNS : 30 MPa
 15. SURFACE BEDS : 25 MPa
 16. ROOF SLABS : 30 MPa
 17. BEAMS : 30 MPa
12. COVER TO STEEL REINFORCEMENT: U.O.N.
 13. COULATIONS : 50 mm
 14. SLABS : 30 mm
 15. BEAMS : 30 mm
 16. COLUMNS : 30 mm
17. ALL SHARP EXPOSED EDGES TO BE CHAMFERED 20 x 20mm.
18. ALL WATERPROOFING TO ARCHITECT'S DETAIL. 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.
19. ALL STEELWORK TO BE FABRICATED AND ERECTED IN ACCORDANCE WITH SANS 2001-C51 & SANS 1927-3.
20. ALL STEELWORK TO BE SANS 50025-S355JR UNLESS OTHERWISE NOTED.
21. A COMPLETE SET OF SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL BEFORE PROCEEDING WITH THE WORK.
22. ALL WELDS TO BE MINIMUM 6mm CONTINUOUS, FILLET WELDS UNLESS OTHERWISE NOTED AND IN STRICT ACCORDANCE WITH SANS AND AWS/AIWS STANDARDS.
23. ALL BOLTS SHALL BE GRADE 8.8 UNLESS OTHERWISE NOTED.
24. ALL STEELWORK TO BE HOT DIPPED GALVANISED TO SANS 1200-CH AND SANS 121 UNLESS OTHERWISE NOTED.

REV	DATE	DRAWN	CHECKED	DESCRIPTION
01	2022-11-02	JH	MG	ISSUED FOR INFORMATION
00	2022-04-06	ABA	MG	ISSUED FOR INFORMATION

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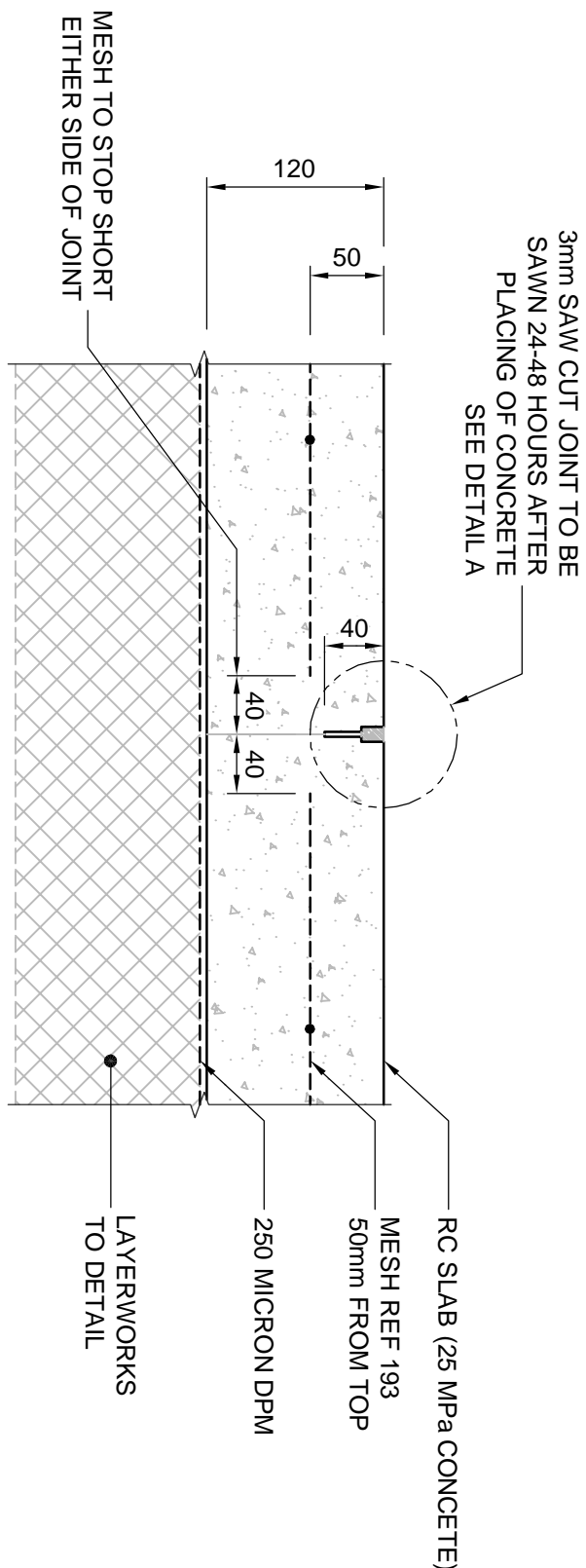
SABEC
SAB Engineering Consulting
[designing outside the box]

PROJECT		DBSA SCHOOLS FS WESTERN HOLDINGS PRIMARY SCHOOL FREE STATE	
DRAWING			
FOUNDATION AND SURFACE BED DETAILS SHEET 1 OF 1			
	RESPONSIBLE PERSON	DATE	
DESIGNED	ARA	2022-09-05	
DRAWN	ARA	2022-09-05	
CHECKED	JH	2022-11-02	
APPROVED	MANI SOLOMON PR ENG - 2008241	2022-11-02	
PROJECT NUMBER	DRAWING NUMBER	STATUS	REVISION
AS SHOWN		SHEET SIZE	A1

DRAWING STATUS CODES

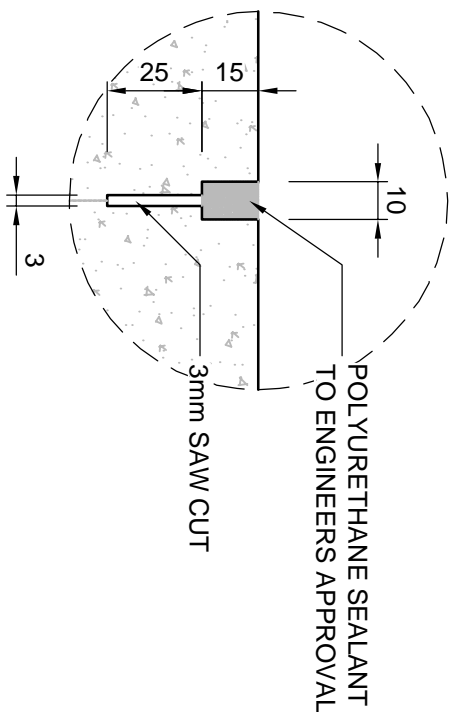
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D = DRAFT
T = TENDER
P = PRELIMINARY
C = CONSTRUCTION
A = AS BUILT

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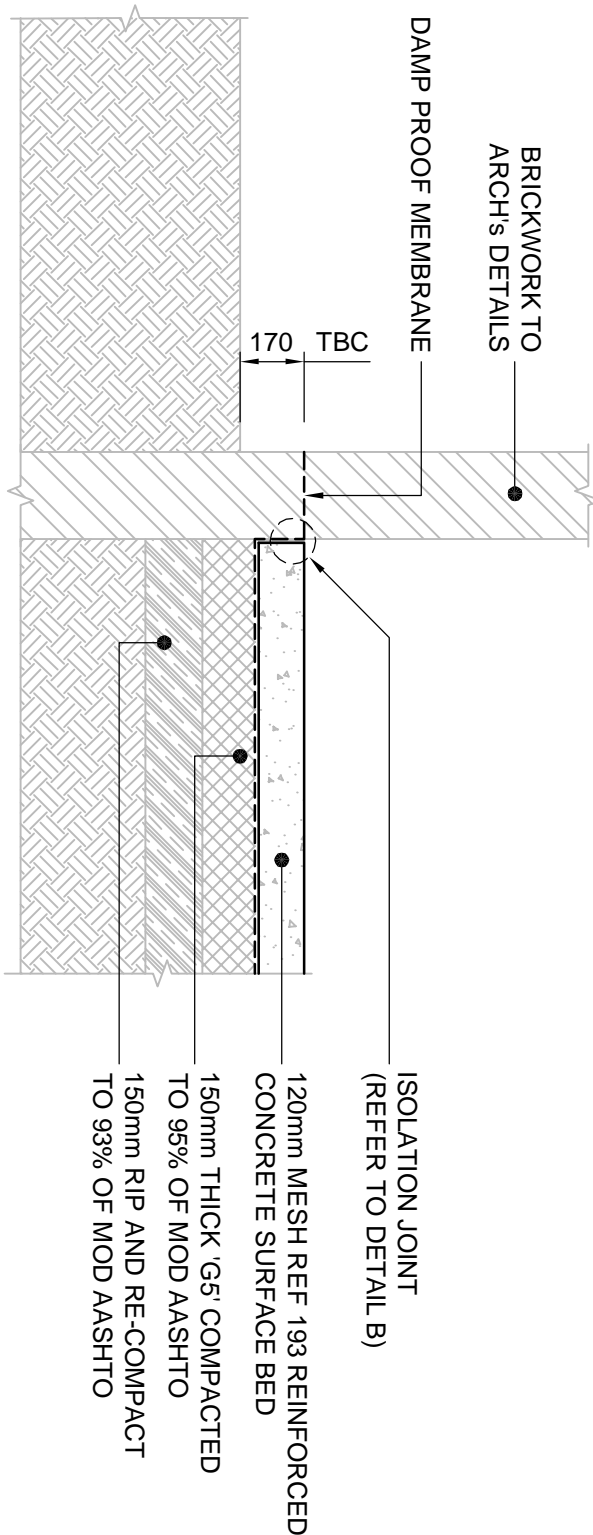
SAW CUT JOINT DETAIL (SCJ)

SCALE 1:5



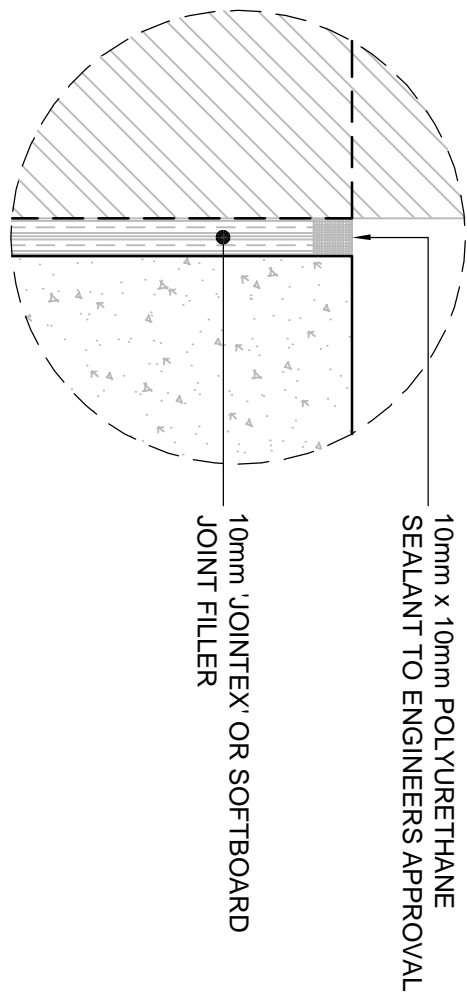
DETAIL A

SCALE 1:2



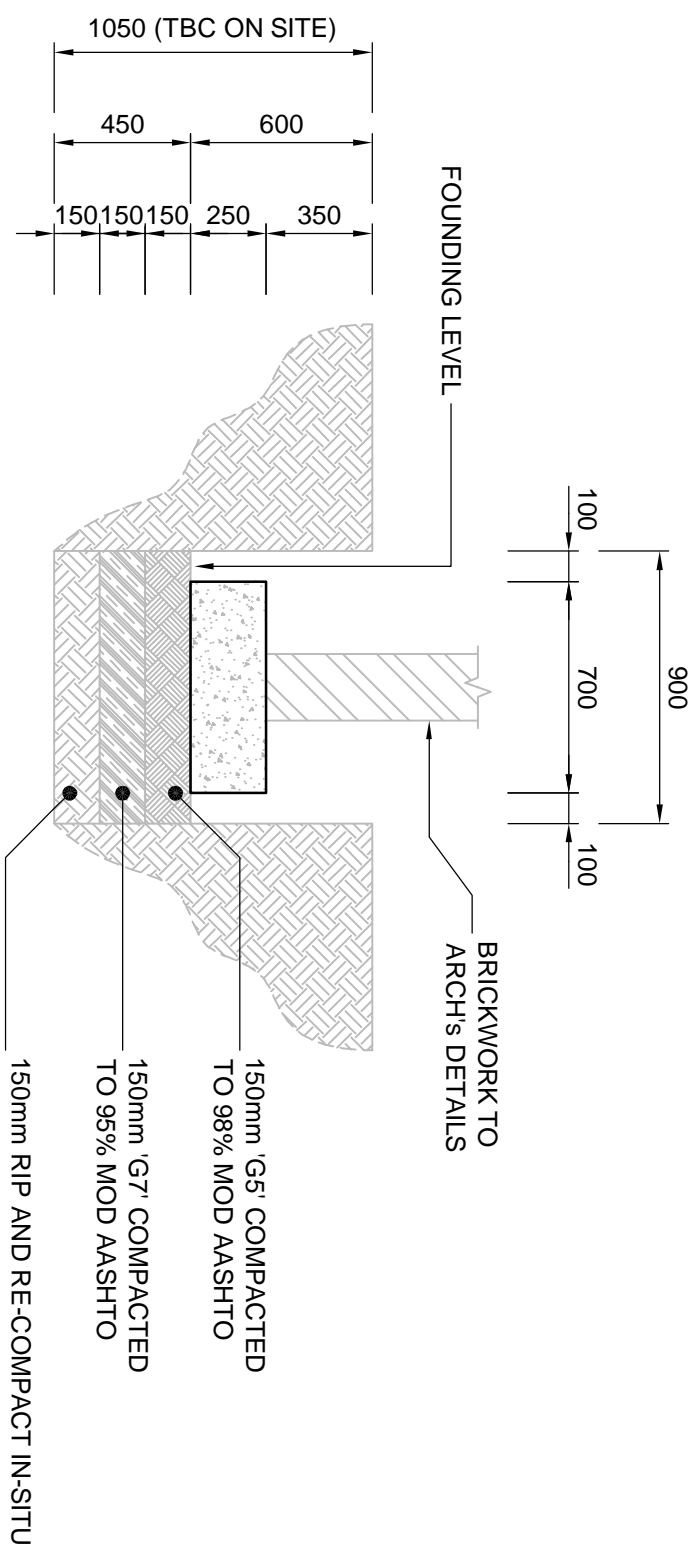
TYPICAL ISOLATION JOINT DETAIL (IJ)

SCALE 1:20



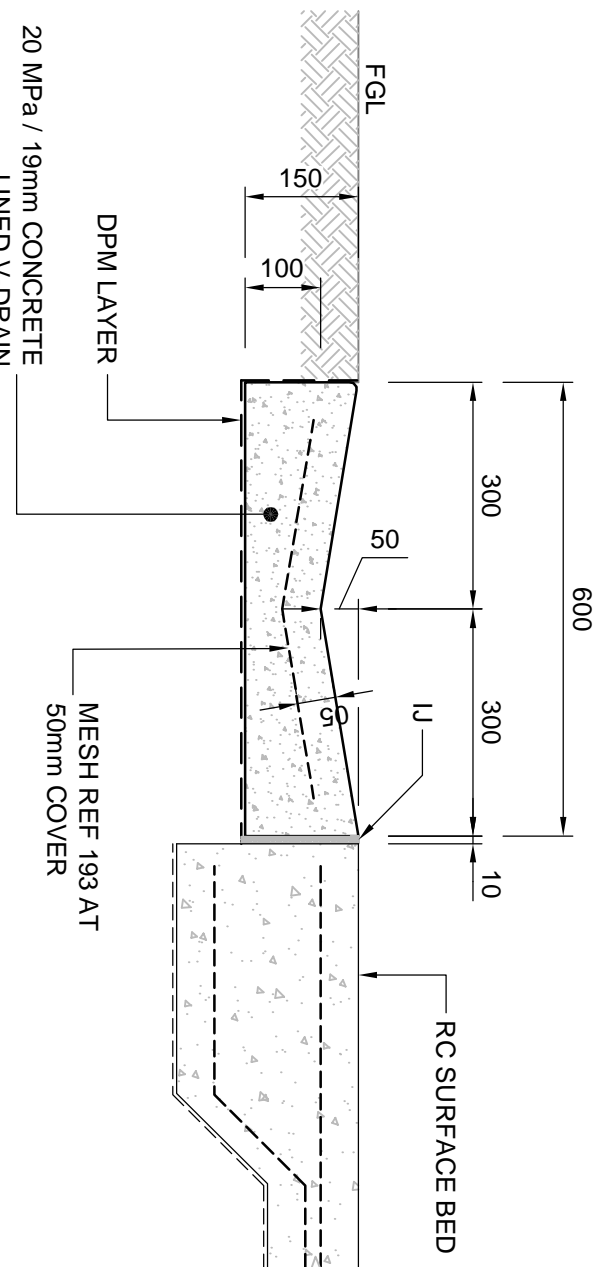
DETAIL B

SCALE 1:2



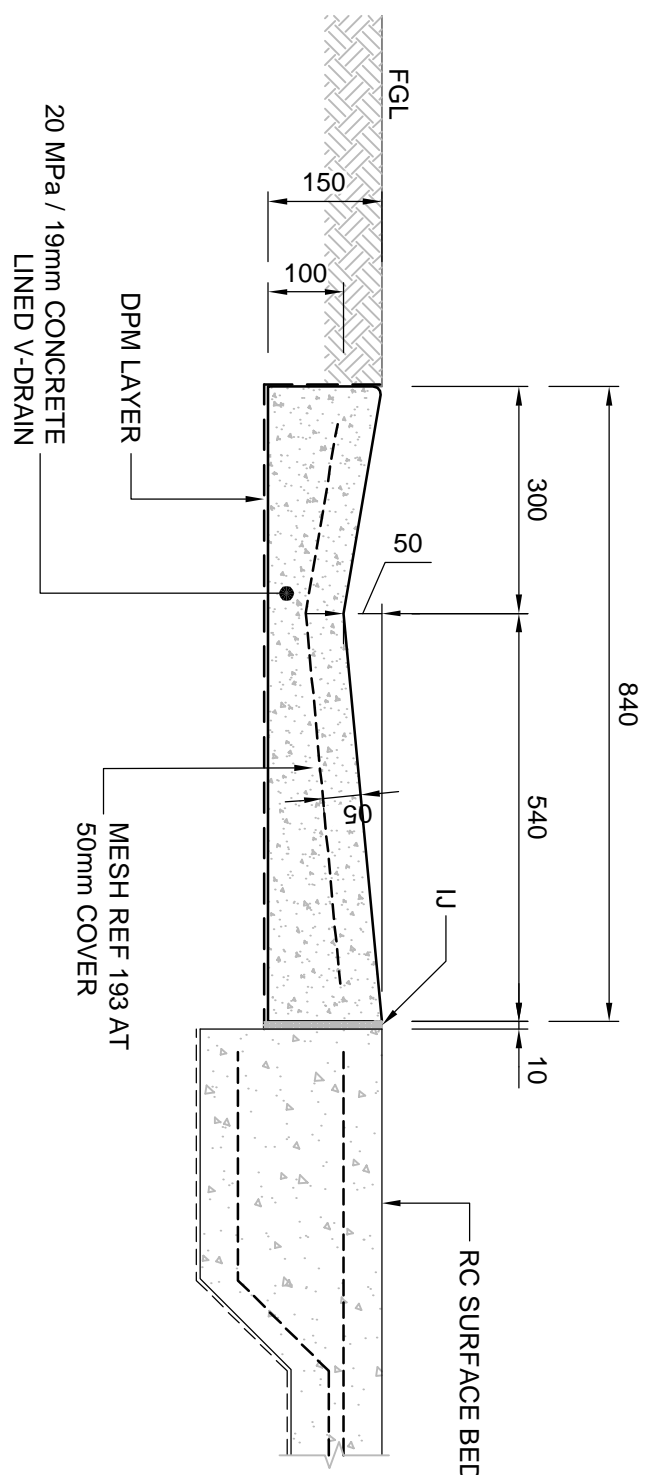
FOUNDATION LAYERWORKS

SCALE 1:25



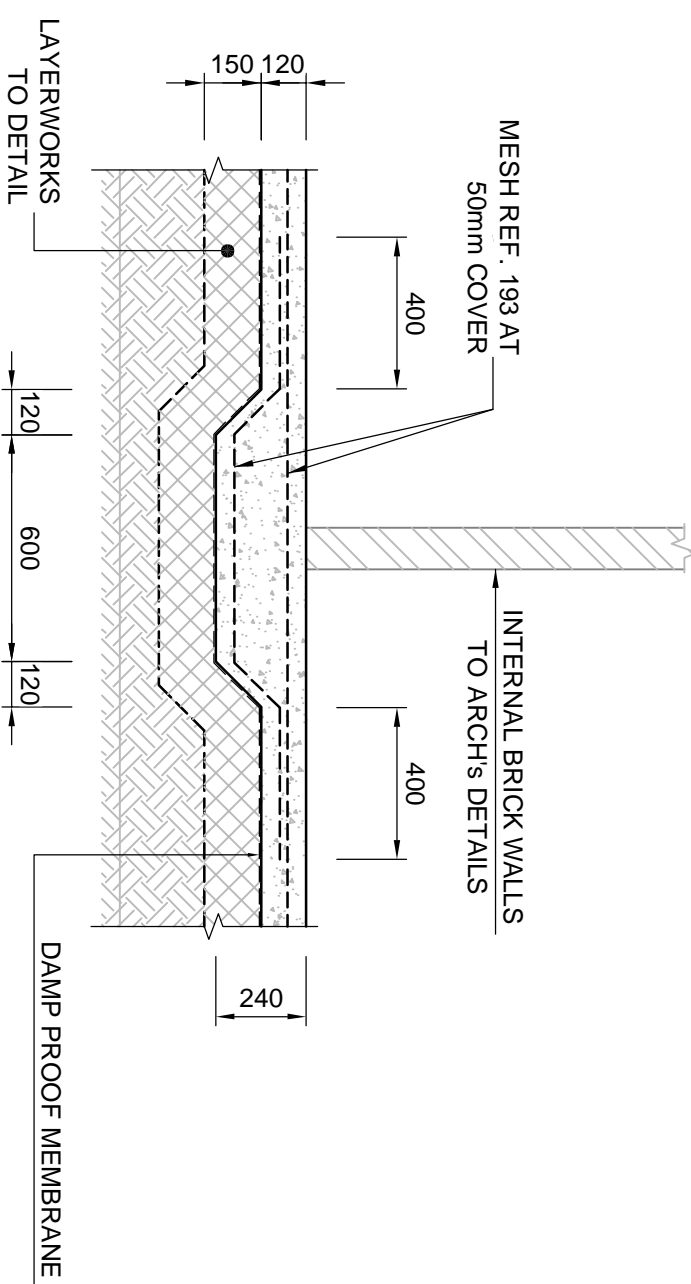
600 mm V-DRAIN DETAIL

SCALE 1:10



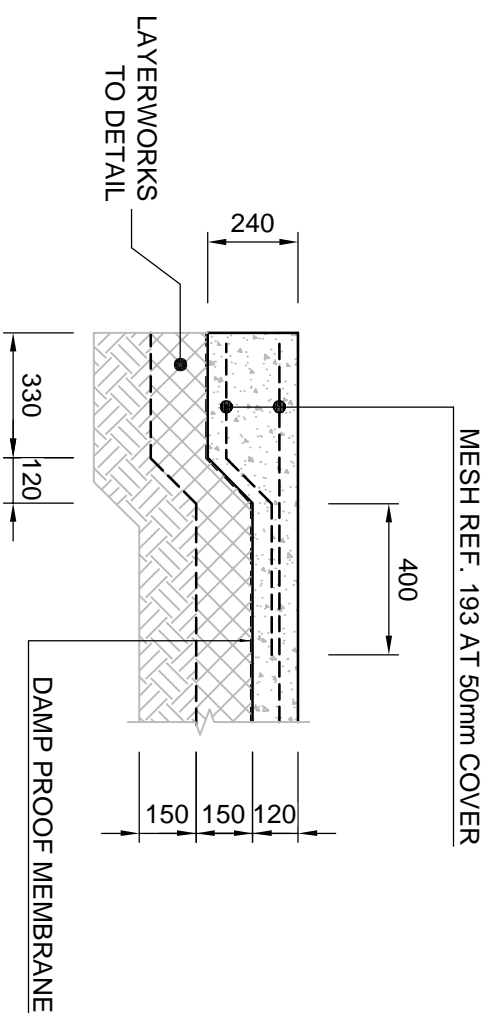
840 mm V-DRAIN DETAIL

SCALE 1:10



SURFACE BED SLAB THICKENING INTERNAL WALLS

SCALE 1:20



SURFACE BED EDGE THICKENING WALKWAY

SCALE 1:20

- 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 G3 MATERIAL COMPACTED TO 95% MOD. AASHTO
- RIP AND RE-COMPACT 150mm INSITU MATERIAL TO 93% MOD. AASHTO

	RESPONSIBLE PERSON	DATE
DESIGNED	ARA	2022-09-05
DRAWN	ARA	2022-09-05
CHECKED	JH	2022-11-02
APPROVED	JANN GOETENDER (PA ENG - 20080241)	2022-11-02
SCALE	AS SHOWN	SHEET SIZE
		A1
PROJECT NUMBER: DRAWING NUMBER STATUS: REVISION		
SAB1777-WH-105-P-01		
DRAWING STATUS CODES:		
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D = DRAFT	P = PRELIMINARY	A = AS BUILT
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