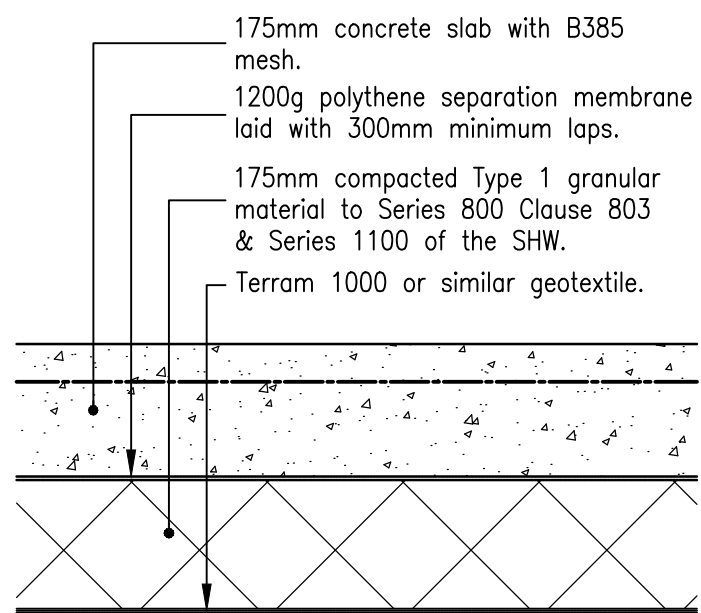




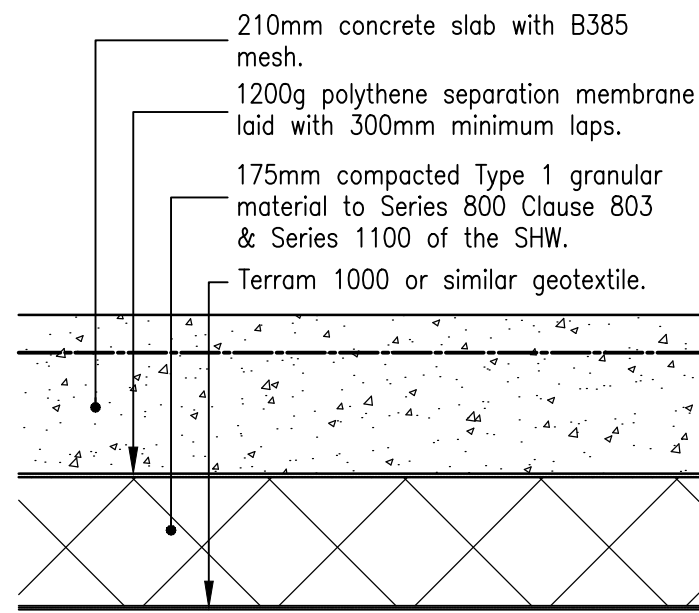
Concrete Service Yard Construction For Smaller Units (A-F & 1-3 & 6)

(1:10)

- NOTES:
- Proposed concrete pavement construction designed in accordance with TR66 for 1msa & with 3% minimum subgrade CBR.

CONCRETE YARD NOTES

- Concrete to be C28/35
air entraining agent = 4%
min cement content = 340Kg/m³ (OPC)
max. water/cement ratio = 0.45
- Mesh reinforcement for crack control to be B385 with 400mm minimum laps and 50mm cover +/-5mm.
- Immediately after concrete has been placed and finished the surface is to be sprayed with a curing membrane.
- Concrete to have brush finish with 100mm steel trowelled margins.
- Brush strokes to run in the same direction as fall across concrete surface.



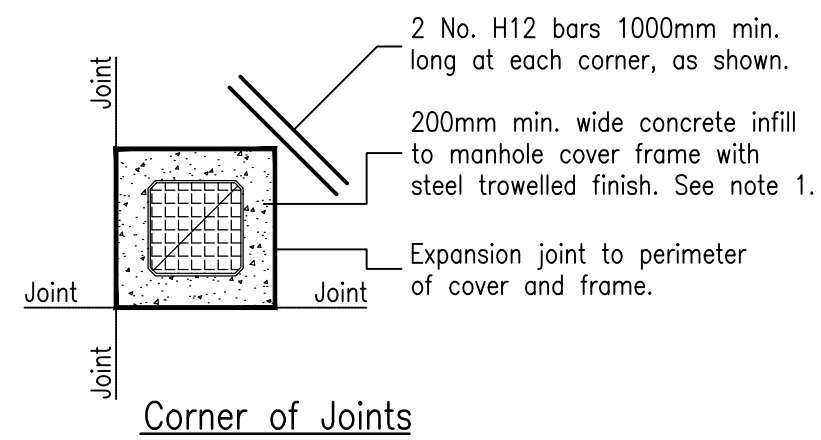
Concrete Service Yard Construction For Larger Units (4 & 5)

(1:10)

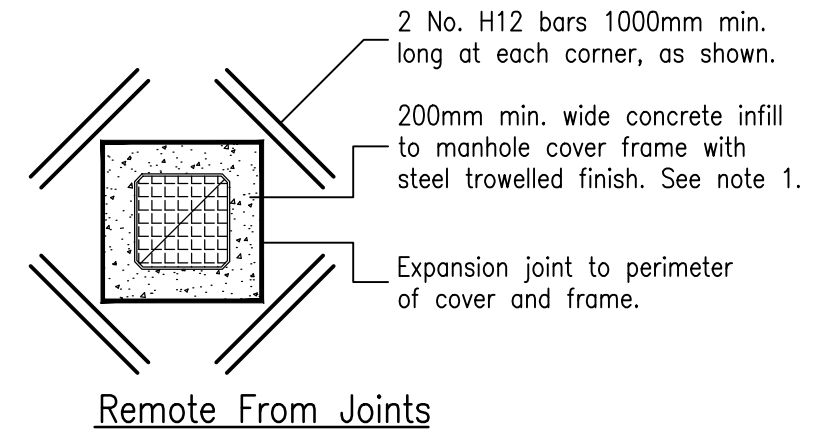
- NOTES:
- Proposed concrete pavement construction designed in accordance with TR66 for 5msa & with 3% minimum subgrade CBR.

CONCRETE YARD NOTES

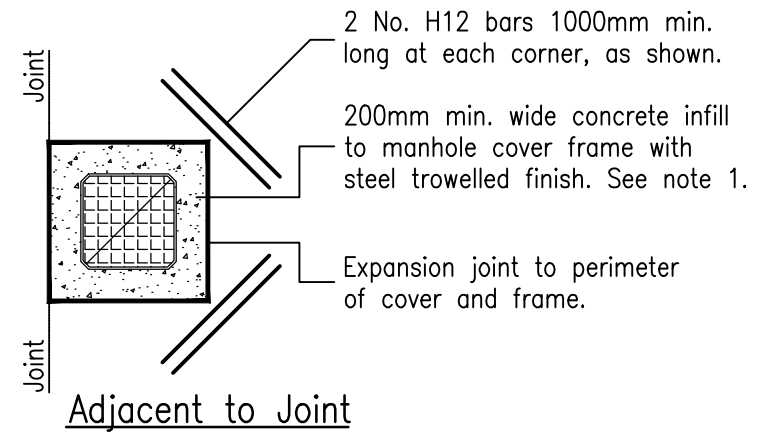
- Concrete to be C28/35
air entraining agent = 4%
min cement content = 340Kg/m³ (OPC)
max. water/cement ratio = 0.45
- Mesh reinforcement for crack control to be B385 with 400mm minimum laps and 50mm cover +/-5mm.
- Immediately after concrete has been placed and finished the surface is to be sprayed with a curing membrane.
- Concrete to have brush finish with 100mm steel trowelled margins.
- Brush strokes to run in the same direction as fall across concrete surface.



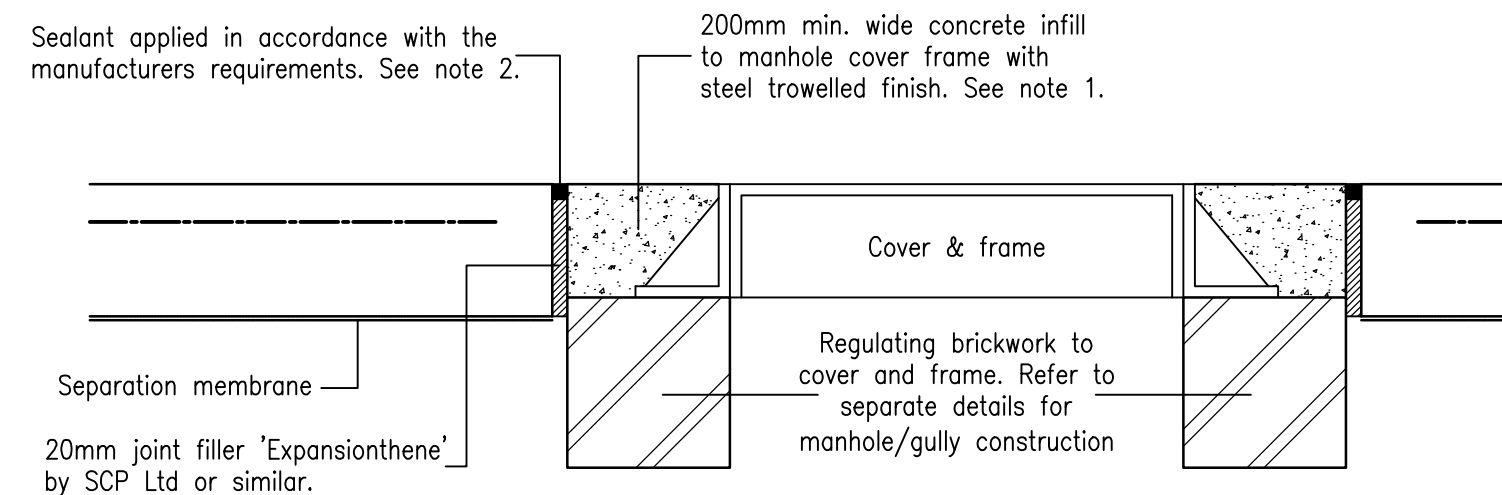
Corner of Joints



Remote From Joints



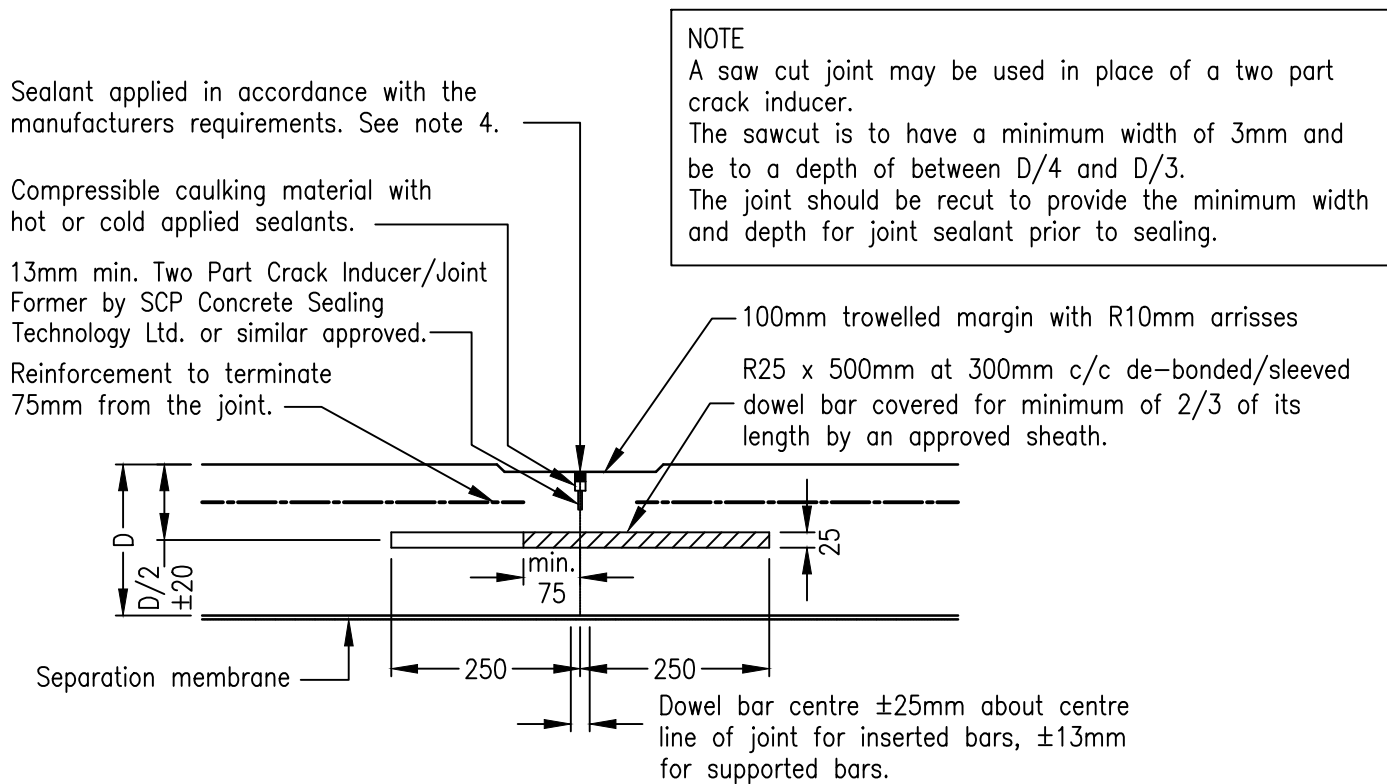
Adjacent to Joint



- Concrete mix to frame infill to be as per the concrete yard slab. Refer to separate detail.
- Joint sealant to be Fosroc 'Colpor 200' or similar approved. The joint is to be 20mm min. wide x 15mm min. deep (cold applied) or 20mm min. deep (hot applied)

Manhole Cover/Gully Joint Reinforcement Details

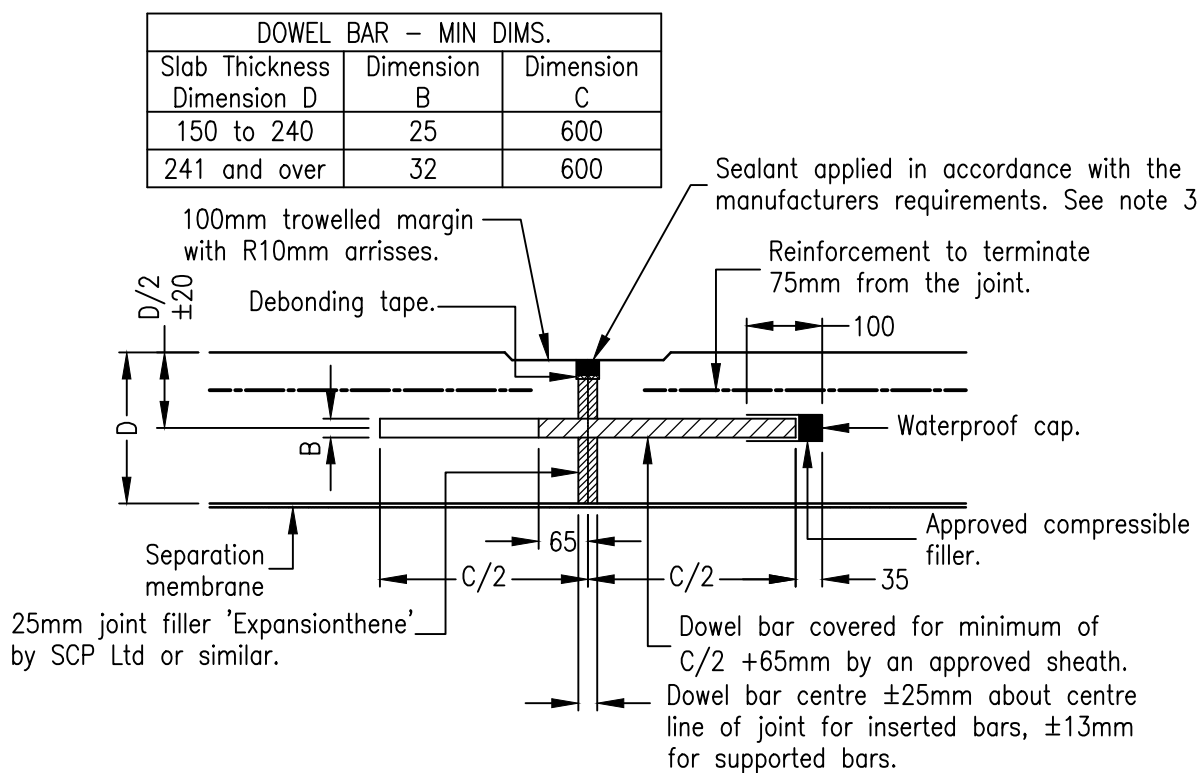
(1:10)



- NOTE
A saw cut joint may be used in place of a two part crack inducer.
The sawcut is to have a minimum width of 3mm and be to a depth of between D/4 and D/3.
The joint should be recut to provide the minimum width and depth for joint sealant prior to sealing.
- The dowel bars shall be placed at 300mm centres. This spacing shall be varied where necessary so that no dowel bar is within 150mm of a joint parallel to the bar.
 - Dowel bars shall be Grade B500B steel conforming to BS EN 13877-3.
 - The two part crack inducer shall be between D/4 and D/3 of the slab depth.
 - Joint sealant to be Fosroc 'Colpor 200' or similar approved. The joint is to be 13mm min. wide x 13mm min. deep (cold applied) or 15mm min. deep (hot applied)

Free Movement Contraction Joint (CJ)

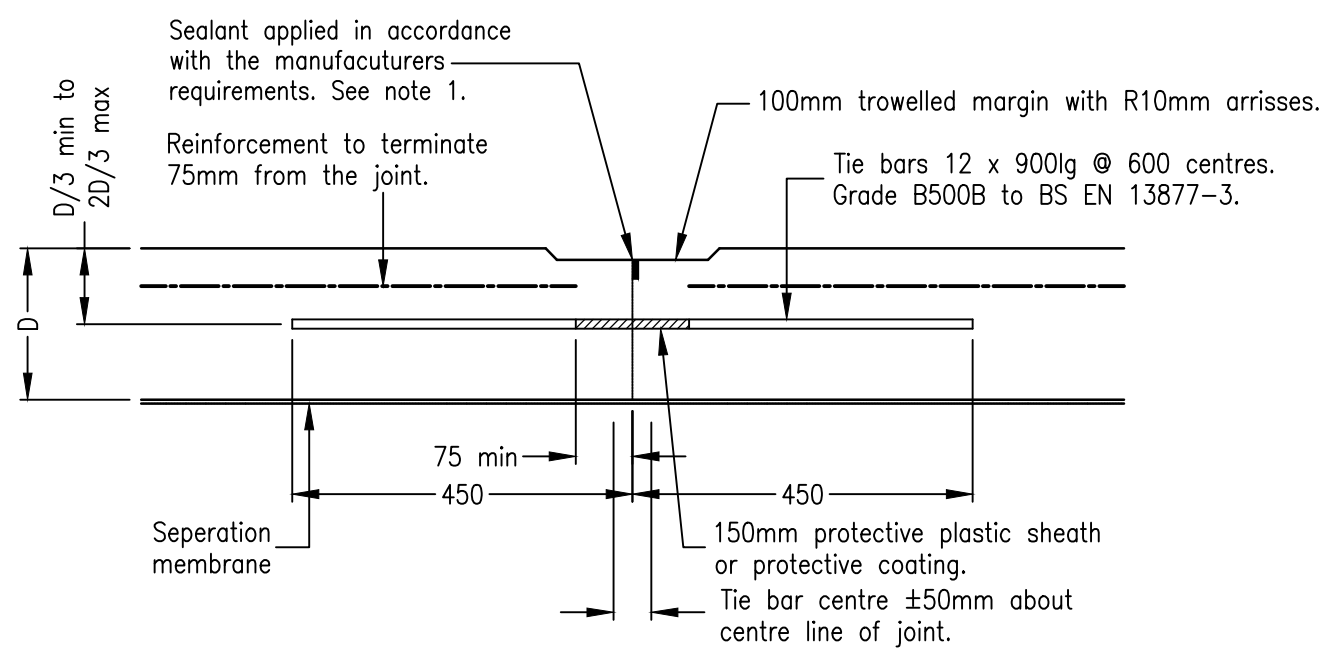
(1:10)



1. The dowel bars shall be placed at 300mm centres. This spacing shall be varied where necessary so that no dowel bar is within 150mm of a joint parallel to the bar.
2. Dowel bars shall be Grade B500B steel conforming to BS EN 13877-3.
3. Joint sealant to be Fosroc 'Colpor 200' or similar approved. The joint is to be 30mm min. wide x 20mm min. deep (cold applied) or 25mm min. deep (hot applied)

Free-Movement / Expansion Joint (FJ)

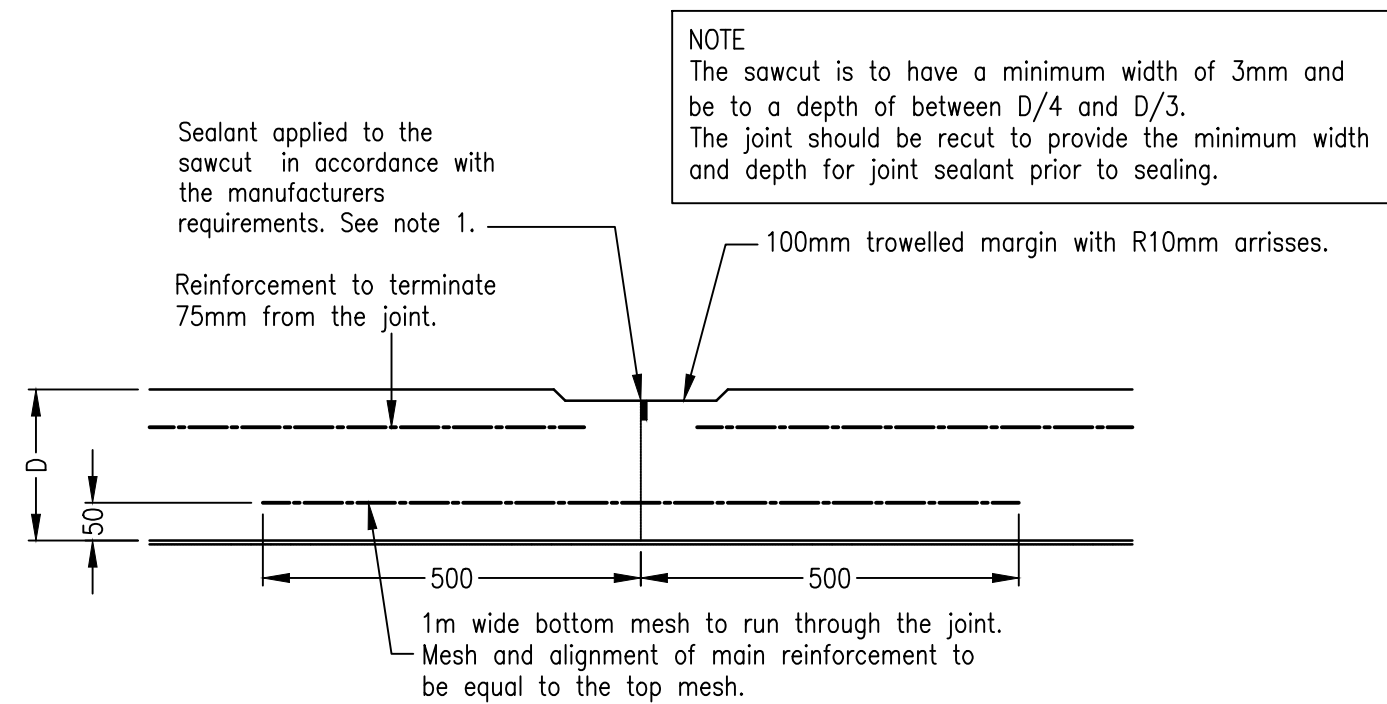
(1:10)



1. Joint sealant to be Fosroc 'Colpor 200' or similar approved. The joint is to be 10mm min. wide x 10mm min. deep (cold applied) or 13mm deep (hot applied)

Restrained-Movement / Longitudinal Joint (LJ)

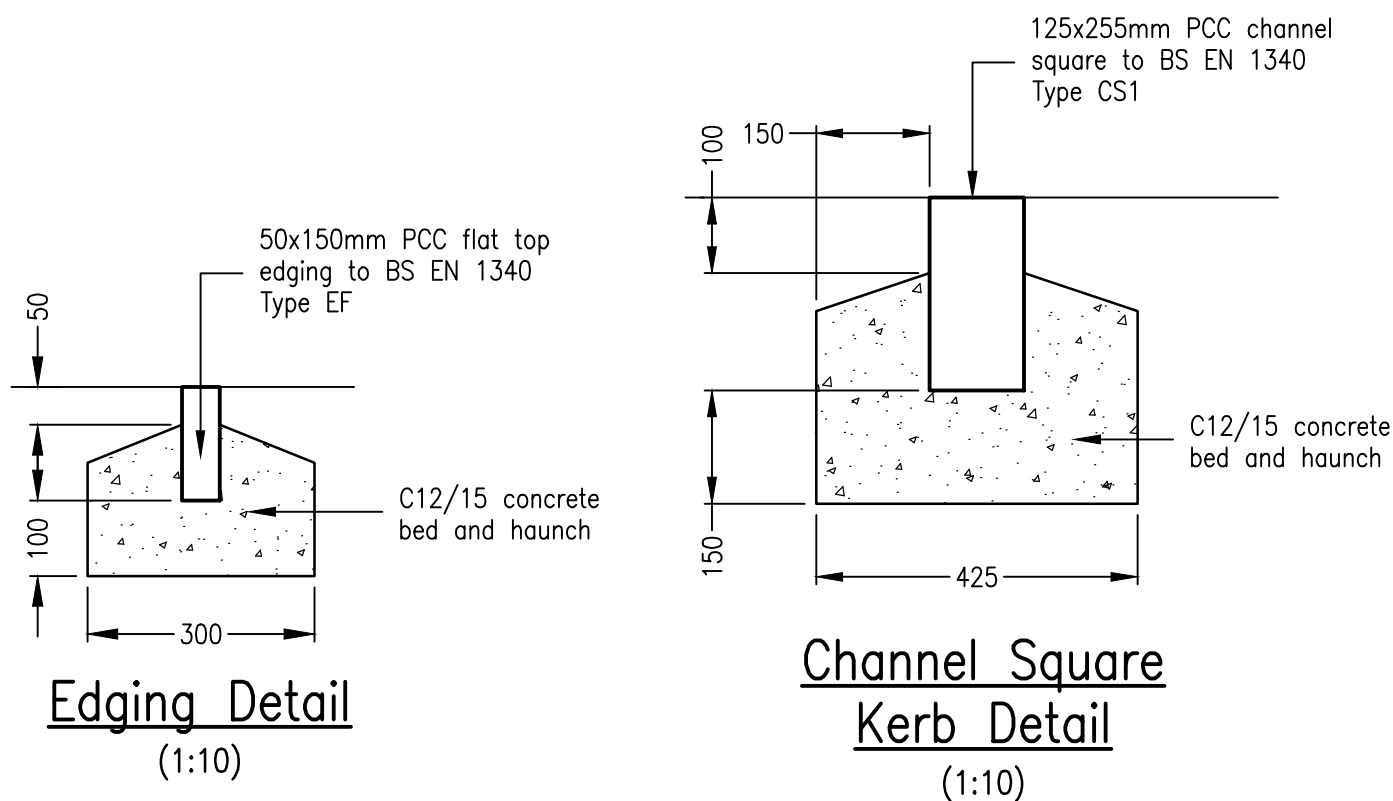
(1:10)



1. Joint sealant to be Fosroc 'Colpor 200' or similar approved. The joint is to be 10mm min. wide x 10mm min. deep (cold applied) or 13mm deep (hot applied)

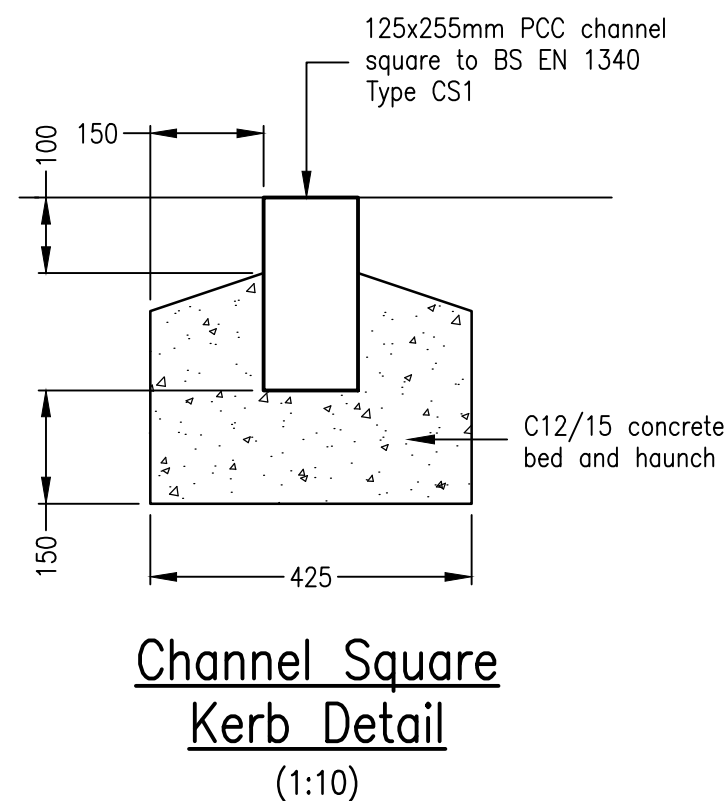
Sawn Restrained-Movement Joint (SJ)

(1:10)



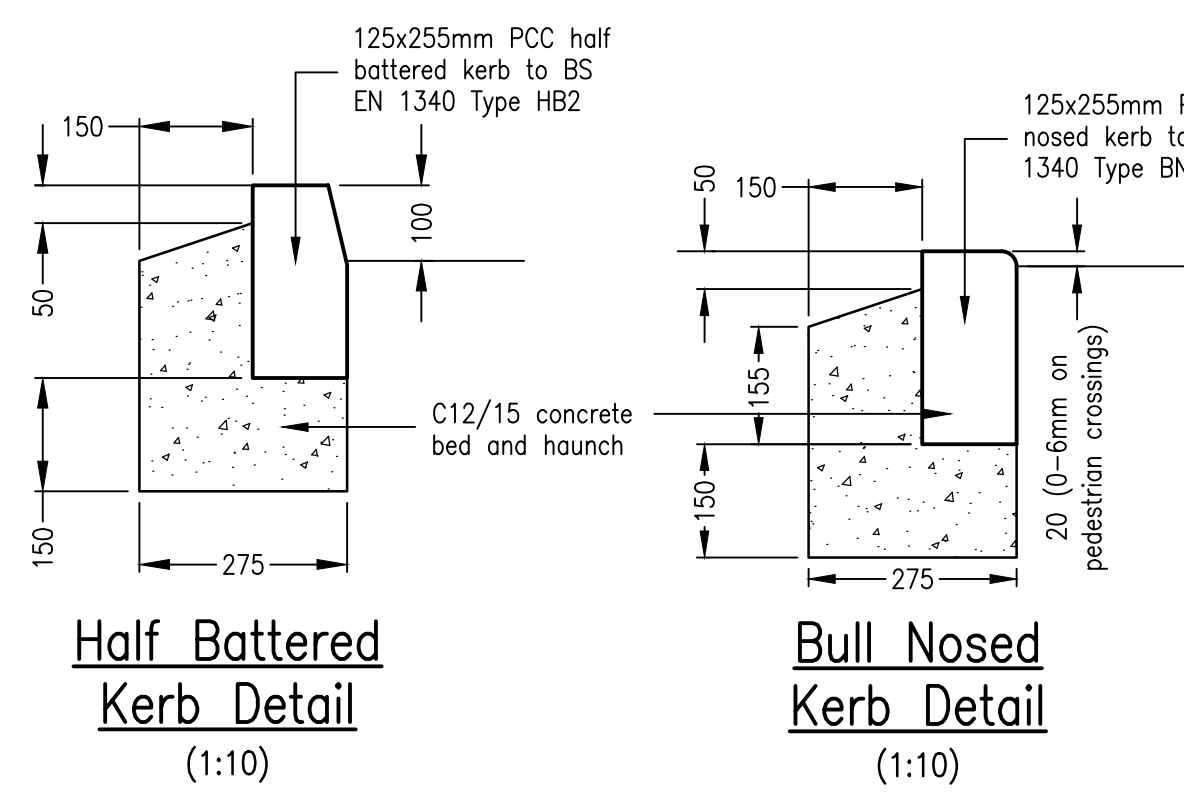
Edging Detail

(1:10)



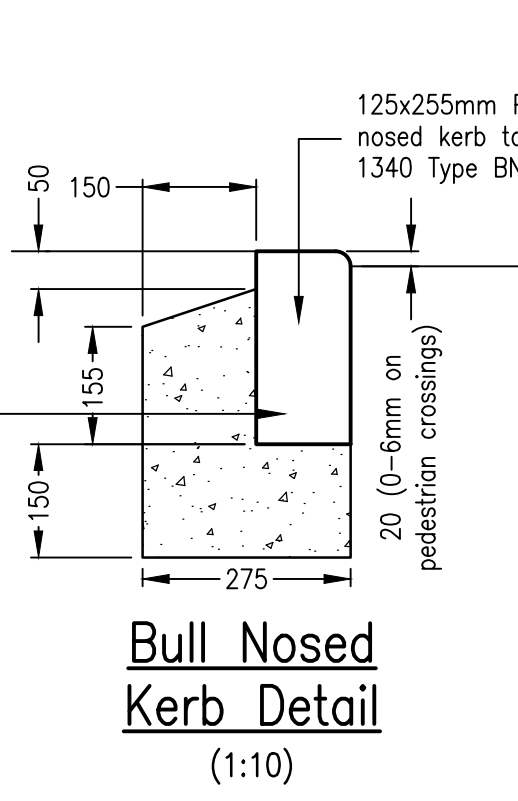
Channel Square Kerb Detail

(1:10)



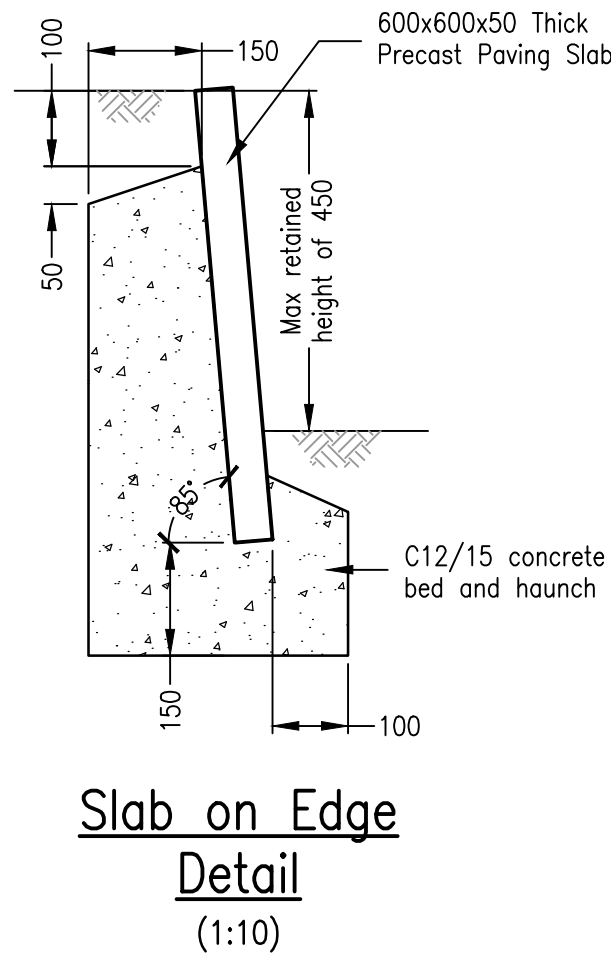
Half Battered Kerb Detail

(1:10)



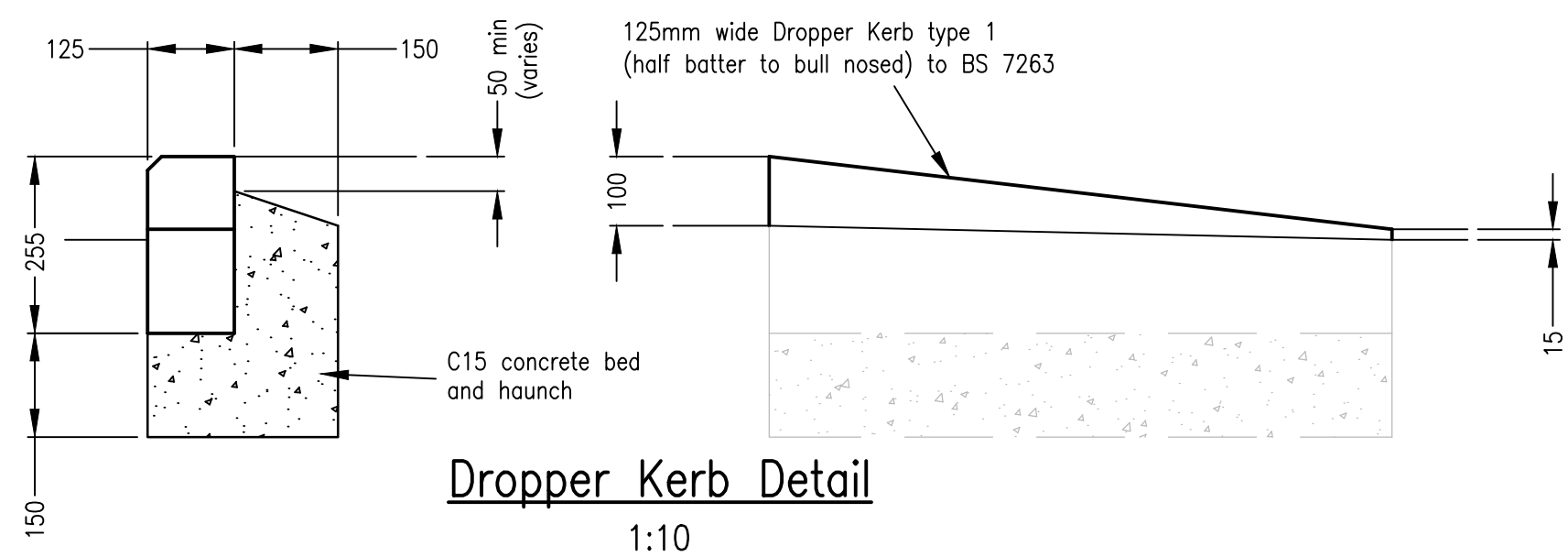
Bull Nosed Kerb Detail

(1:10)



Slab on Edge Detail

(1:10)



Dropper Kerb Detail

1:10

Notes:

- Do not scale from this drawing.
- In case of any discrepancies in drawings, details or bills, refer to engineers for clarification; unilateral decisions by the Contractor will not be accepted.
- This drawing is to be read in conjunction with all related Architects, Consultants & Sub-Contractors drawings and specifications.
- The Contractor is advised that all design drawings and information are to be read concurrently and any discrepancies or omissions reported directly to PTA's Civil Engineering Department.

© Powell Tolner & Associates Ltd.

The contents of this drawing may not be reproduced in whole or in part without the prior written permission of Powell Tolner & Associates.

DRAWING STATUS

FOR CONSTRUCTION

C01	Kerb Details Added; Construction Issue.	LB	16.11.23	SLW
P01	First Issue.	LB	19.03.21	
REV	DESCRIPTION	BY	DATE	CHKD

PROJECT TITLE

Grimshaw Lane, Manchester

DRAWING TITLE

Proposed External Works Details Sheet 2 of 2

DATE	March 2021	CHECKED DO	CHECKED ENG	PTA PROJ No
DRAWN	LB			9762
SCALE	As Noted	LB	SLW	REVISION
DRG SIZE	A1			C01

9762-PTA-XX-XX-DR-C- 8362

Consulting Civil & Structural Engineers



www.placonsult.co.uk