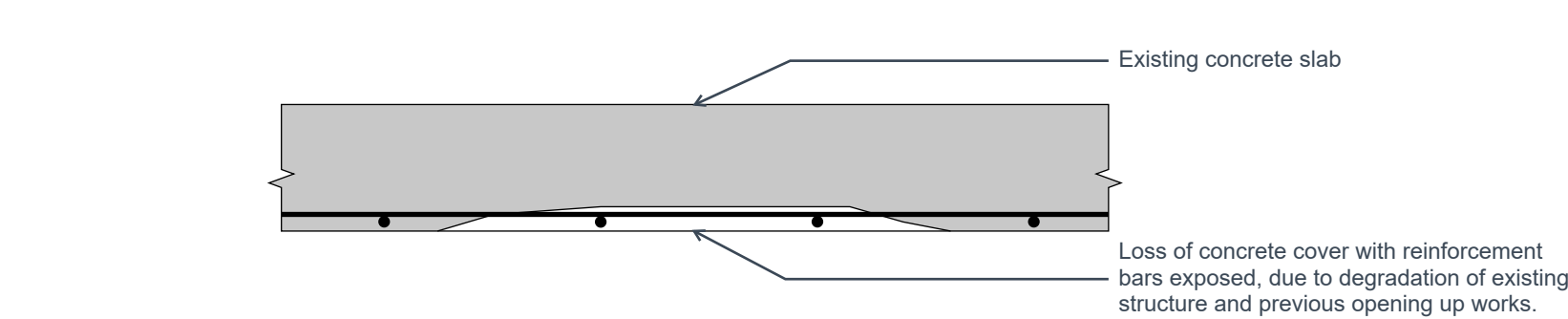
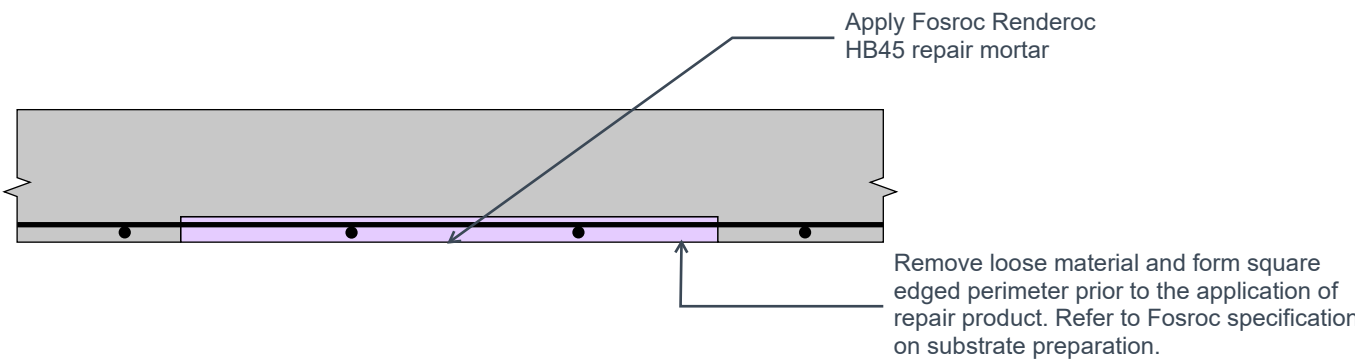




Condition Detail 01 - Exposed Reinforcement Bar



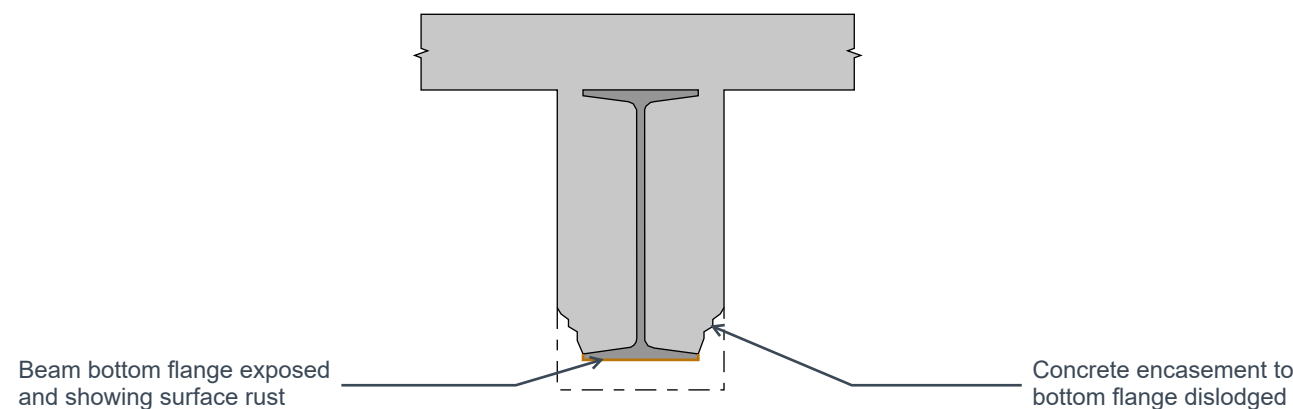
Repair Detail 01

Method statement for Repair

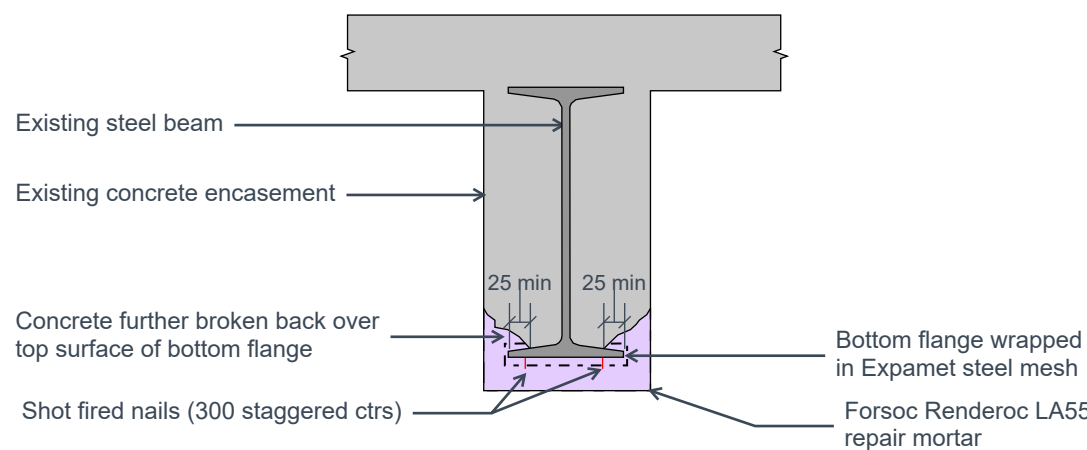
1. Prepare the concrete surface by removing loose material and break back to a square perimeter formed to a depth at least equal to the application thickness. Refer to Fosroc specification on substrate preparation.
2. Clean exposed reinforcement bars to bright condition by power brushing.
3. Wipe down the exposed steel surface using thinners.
4. Prime exposed steel using Fosroc Nitoprime Zincrich or similar primer approved.
5. Prime concrete edge using Renderoc Primer or similar approved.
6. Apply Fosroc Renderoc HB45 or similar approved.
7. Apply Fosroc Nitobond AR or similar approved after application for curing.

Note

- This repair detail is intended to repair the exposed reinforcement bars only. To repair to concrete cover to minimum required thickness, refer to Repair Detail 02.



Condition Detail 02 - Exposed Steel Beam



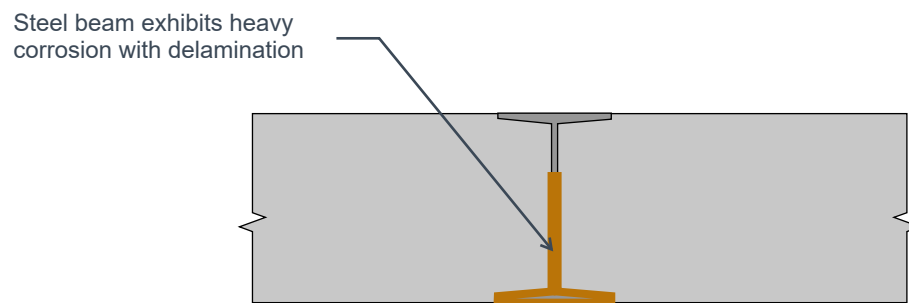
Repair Detail 02

Method statement for Repair

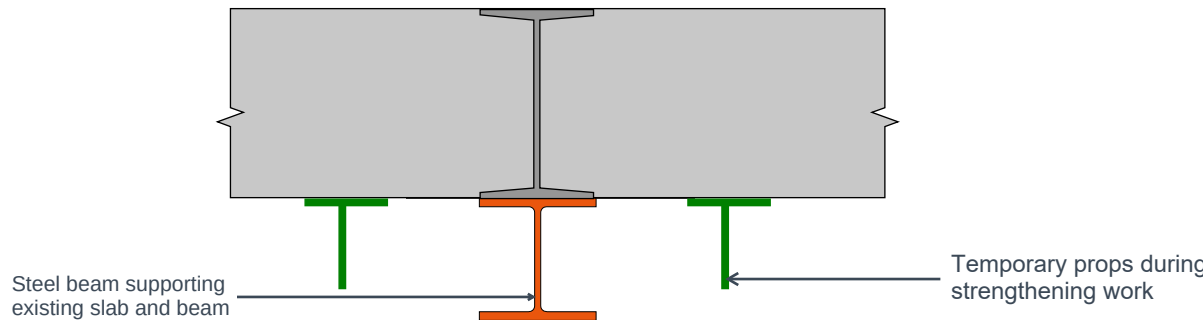
1. Prepare the concrete surface by removing loose material. Refer to Fosroc specification on substrate preparation.
2. Break back concrete to location shown.
3. Clean exposed steel to bright condition by power brushing.
4. Wipe down the exposed steel surface using thinners.
5. Prime exposed steel using Fosroc Nitoprime Zincrich or similar primer approved.
6. Prime concrete edge using Renderoc Primer or similar approved.
7. Wrap bottom flange with Expamet mesh.
8. Secure mesh in place with shot-fired nails.
9. Apply further coat of primer to bottom of steel mesh.
10. Apply Fosroc Renderoc LA55 or similar approved.
11. Apply Fosroc Nitobond AR or similar approved after application for curing.

Note

- Renderoc LA55 is a flowable repair mortar system that can be used with formwork for large repair area. Refer to Fosroc specification on formwork preparation.



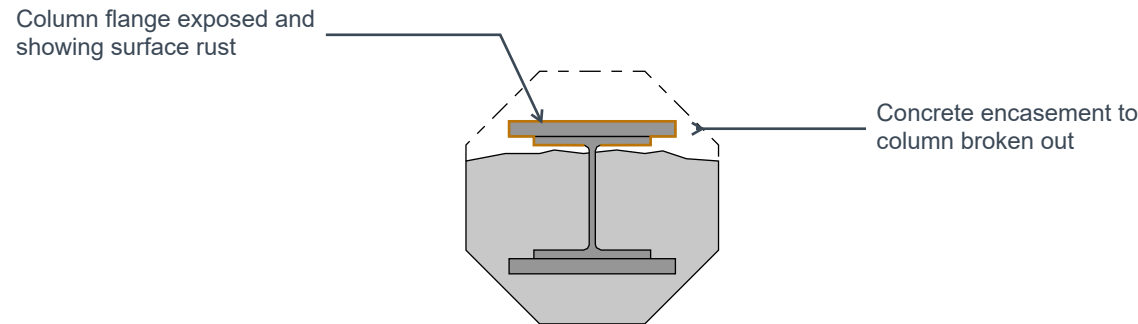
Condition Detail 03 - Heavily Corroded Steel Beam



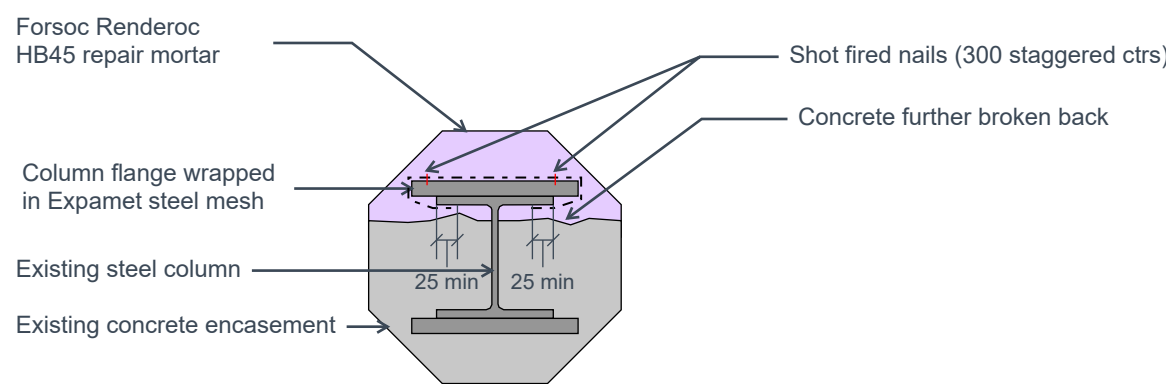
Repair Detail 03

Preliminary Method statement for Repair

1. Install temporary props to the underside of slab prior to repair works.
2. Clean exposed steel to bright condition by power brushing.
3. Resin fix the new supporting angles to the existing concrete columns on both sides
4. Install the new steel beam at the underside of existing slab and fastening onto supporting brackets.
5. Remove props.



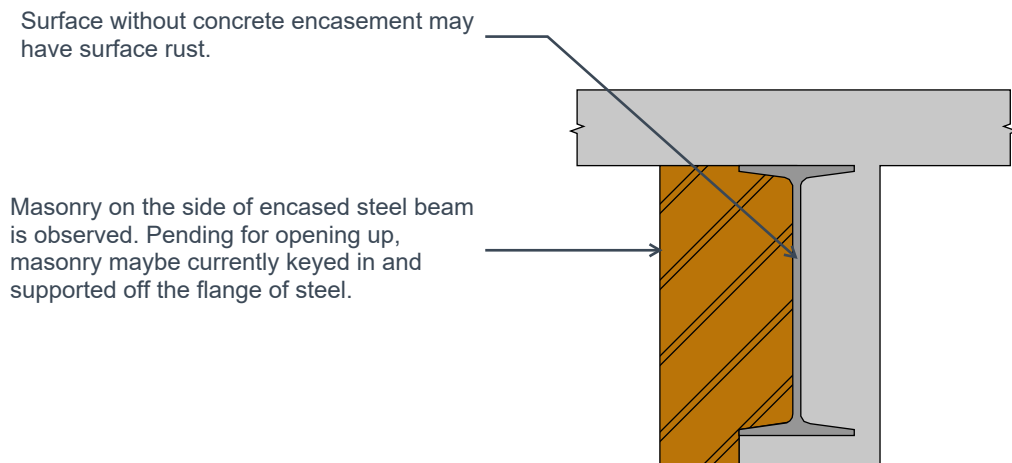
Condition Detail 04 - Exposed Steel Columns



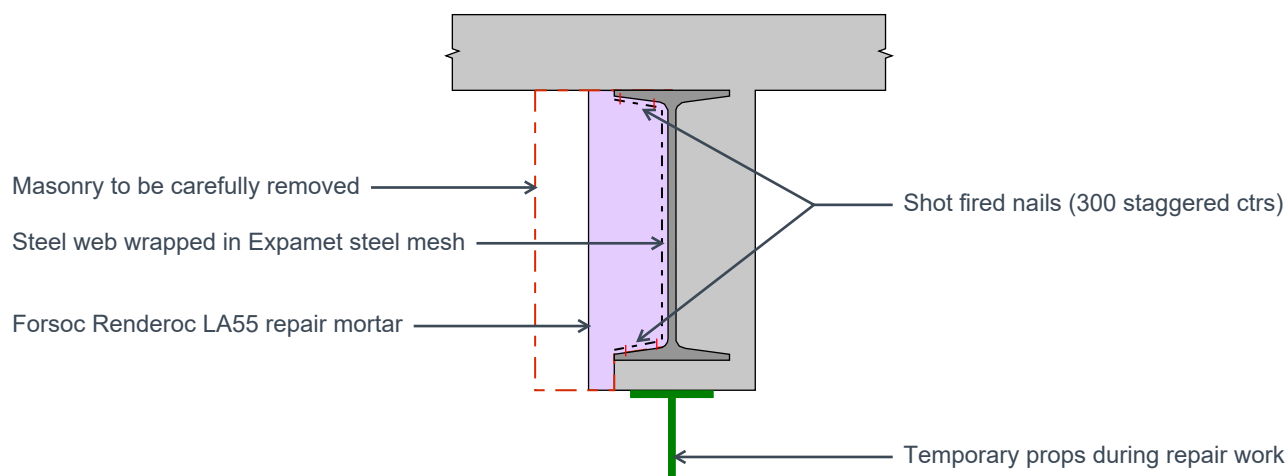
Repair Detail 04

Method statement for Repair

1. Prepare the concrete surface by removing loose material. Refer to Fosroc specification on substrate preparation.
2. Break back concrete to location shown.
3. Clean exposed steel to bright condition by power brushing.
4. Wipe down the exposed steel surface using thinners.
5. Prime exposed steel using Fosroc Nitoprime Zincrich or similar primer approved.
6. Prime concrete edge using Renderoc Primer or similar approved.
7. Wrap bottom flange with Expamet mesh.
8. Secure mesh in place with shot-fired nails.
9. Apply further coat of primer to bottom of steel mesh.
10. Apply Fosroc Renderoc HB45 or similar approved.
11. Apply Fosroc Nitobond AR or similar approved after application for curing.



Condition Detail 05 - Masonry Hanging from Soffit



Repair Detail 05

Preliminary Method statement for Repair

1. Install temporary props to the encased steel beam.
2. Carefully remove existing masonry with appropriate safety measure when working in height.
3. Prepare the concrete surface by removing loose material. Refer to Fosroc specification on substrate preparation.
4. Clean exposed steel to bright condition by power brushing.
5. Wipe down the exposed steel surface using thinners.
6. Prime exposed steel using Fosroc Nitoprime Zincrich or similar primer approved.
7. Prime concrete edge using Renderoc Primer or similar approved.
8. Wrap steel web with Expamet mesh.
9. Secure mesh in place with shot-fired nails.
10. Apply further coat of primer to bottom of steel mesh.
11. Apply Fosroc Renderoc LA55 or similar approved.
12. Apply Fosroc Nitobond AR or similar approved after application for curing.

Note

- Renderoc LA55 is a flowable repair mortar system that can be used with formwork for large repair area. Refer to Fosroc specification on formwork preparation.

General Notes

1. This drawing is to be read in conjunction with all relevant Architects & Engineers drawings & specifications.
2. The Contractor is to be responsible for all dimensions & for the correct setting out of the works on site.
3. Do not scale from this drawing.

Note: All propriety repair mortars to be applied in strict accordance with the manufacturer's details and specification.

P03	06.06.25	TL	NS		Details Revised
P02	29.04.25	TL	NS		Details Revised
P01	17.04.25	TL	NS		Initial Issue
Rev	Date	By	Chkd		Description

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Project Title

Sunlight House

Drawing Title

Phase 2 Basement Repair Works
Repair Detail Sheet 1 of 2

Project No

24131

Scale:

NTS [A1]

Drawn By

TL

Date

June 2025

Drawing Suitability

SO - Initial Issue

Drawing Number

SUN-EOC-V1-ZZ-DR-S-4301

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P03