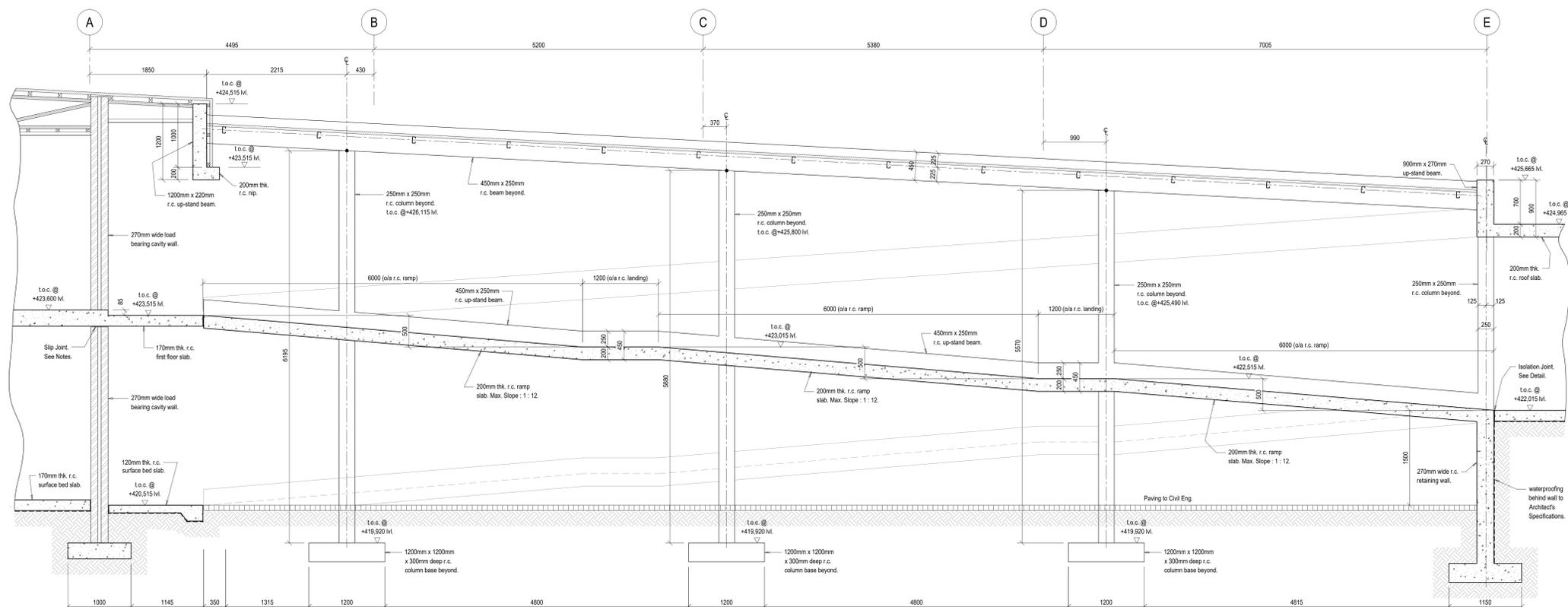


**Notes:**  
Final depth and final foundation levels to be confirmed by the Structural Engineer on site.

All compacted bulk and engineered fill below all foundations and surface bed slabs, to civil Engineers details and specifications.

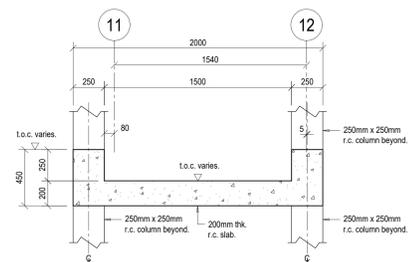
SECTION A - A



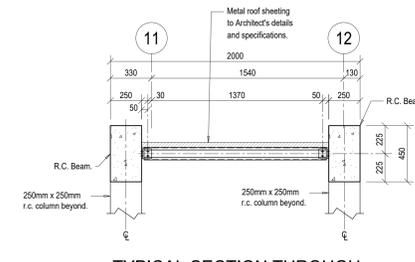
**Notes:**  
Final depth and final foundation levels to be confirmed by the Structural Engineer on site.

All compacted bulk and engineered fill below all foundations and surface bed slabs, to civil Engineers details and specifications.

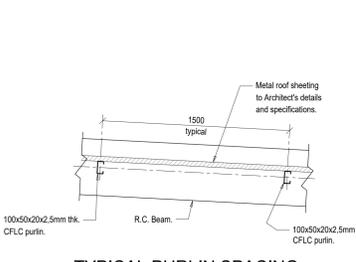
SECTION B - B



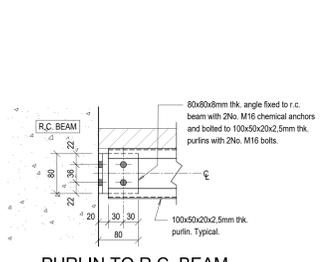
TYPICAL SECTION THROUGH RAMP



TYPICAL SECTION THROUGH RAMP COVER



TYPICAL PURLIN SPACING



PURLIN TO R.C. BEAM CONNECTION DETAIL

- General Notes:**
- All levels and dimensions to be checked on site.
  - This drawing is to be read in conjunction with the Architectural drawings.
  - All concrete work is to comply with SABS 1200G.
  - Concrete Class:
    - a) Strip Footings & Bases = 25 MPa
    - b) Columns & Staircases = 30 MPa
    - c) Slabs & Beams = 25 MPa
    - d) Retaining Walls = 30 MPa
    - e) Surface Bed Slabs = 25 MPa
    - f) Blinding = 10 MPa
  - Cover to reinforcement:
    - a) Strip Footing & Bases = 50mm
    - b) Columns (Below Ground) = 50mm
    - c) Columns (Above Ground) = 40mm
    - d) Slabs, Beams & Staircases = 30mm
    - e) Slabs (On the Ground) - Bottom Mat = 50mm
    - f) Slabs (On the Ground) - Top Mat = 30mm
    - g) Retaining Walls (Earth Face) = 50mm
    - h) Retaining Walls (Front Face) = 40mm
  - All foundation excavations are to be inspected by the Engineer prior to casting of concrete.
  - All reinforcing fixing is to be inspected by the Structural Engineer prior to casting of concrete.
  - Six concrete cubes to be taken per pour. Three cubes to be tested at seven days, the remainder at twenty eight days. The results are to be forwarded to the Engineer for review and approval.
  - The Contractor is to construct a blinding layer if soil conditions result in reinforcement cover not being maintained.
  - All structural concrete is to be cured for a minimum of five days.
  - All brickwork shown 'hatched' are load bearing. All load bearing brickwork is to be 14MPa NFX bricks in Class 2 mortar. The top of all load bearing brickwork (at all concrete interfaces) is to receive 2 layers of 3 ply malthoid placed on a smooth rendered surface.
  - All single skin brickwork is to be stopped 2 courses below the soffit of the slab and completed after the props have been removed.
  - All concrete plaster and brickwork plaster interfaces to receive V-joints.
  - The Engineer requires 24 hours notice for all inspections.

- Brickwork Notes:**
- All solid brick walls are 220mm wide or 110mm wide with brickwork built in every course below surface bed level, above all window and door openings, and every 3rd course above surface bed level with 150mm wide x 2.8mm thick NHRBC Galvanized Brickwork for 220mm wide walls and 75mm wide x 2.8mm thick NHRBC Galvanized Brickwork for 110mm wide walls.
  - All cavity brick walls are 270mm wide with 110mm wide inner & outer skin brickwork with 50mm wide central cavity with brickwork built in every course below surface bed level, above all window and door openings, and every 3rd course above surface bed level with 230mm wide x 2.8mm thick NHRBC Galvanized Brickwork.
  - All brickwork to be min. 14MPa NFX bricks in Class 2 mortar.
  - All 110mm wide walls are to be constructed directly onto the 170mm thick surface bed slabs.
  - All load bearing brickwork and concrete interfaces to receive a 'Slip Joint' of which consists of the following: 2 layers of 3 ply method on a smooth rendered surface on top of the load bearing brickwork.

**Notes:**  
Final depth and final foundation levels to be confirmed by the Structural Engineer on site.

All compacted bulk and engineered fill below all foundations and surface bed slabs, to civil Engineers details and specifications.

REV.	DESCRIPTION	BY	DATE
T1	FOR TENDER	S.N.	09/05/2025

CLIENT:  
IMPLEMENTING AGENTS:

PROJECT MANAGERS:

ARCHITECTS:

PROJECT:  
19/1/19/1/59 TB (22)  
PROPOSED MSINSINI  
POLICE STATION IN KZN

DETAILS:  
ADMINISTRATION BUILDING :  
CONCRETE RAMP SECTIONS AND DETAILS

DESIGNED:	S.N.	COPYRIGHT RESERVED:	1:30
DRAWN:	S.N.	DATE:	09/05/2025
APPROVED:	M.N.	PL	
DRAWING No.:	589 / 129	REV	T1

This Drawing is to be read in conjunction with the latest Architectural Drawings and any discrepancies to be reported to the Architect and/or Structural Engineer.

FOR TENDER