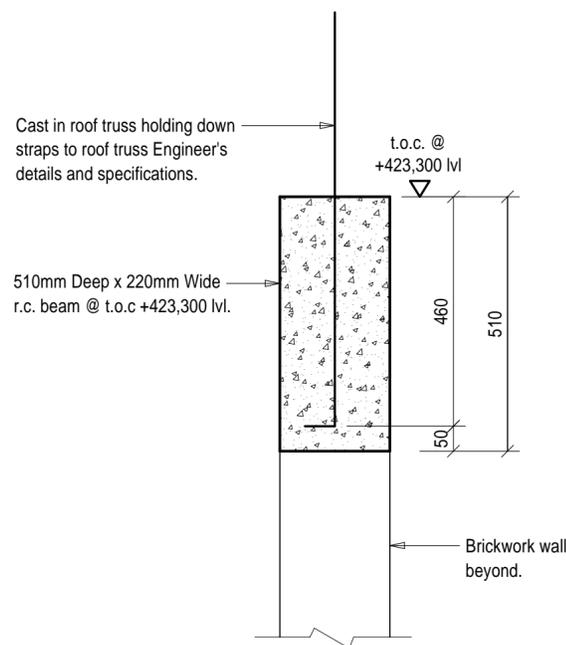


EAVES LAYOUT PLAN



SECTION THROUGH R.C. BEAM

GENERAL NOTES :

1. All levels and dimensions to be checked on site.
2. This drawing is to be read in conjunction with the Architectural drawings.
3. All concrete work is to comply with SABS 1200G.
4. Concrete Class :-
 - a) Beams = 25 MPa
5. Cover to reinforcement :-
 - a) Beams = 30mm
6. All foundation excavations are to be inspected by the Engineer prior to casting of concrete.
7. All reinforcing fixing is to be inspected by the Structural Engineer prior to casting of concrete.
8. 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.
9. The Contractor is to construct a blinding layer if soil conditions result in reinforcement cover not being maintained.
10. All structural concrete is to be cured for a minimum of five days.
11. 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.
12. All single skin brickwork is to be stopped 2 courses below the soffit of the slab and completed after the props have been removed.
13. All concrete plaster and brickwork plaster interfaces to receive 'V'-joints.
14. The Engineer requires 24 hours notice for all inspections.

**Technical Specifications and Requirements for :
Prefabricated (Nail Plated) Timber Roof Trusses :**

1. The appointed Principle Building Contractor (PBC) is to note that the installation of all the prefabricated (nail plated) timber roof trusses must be carried out as a 'Design, Supply, Install and Certify' Contract.
2. The Structural Design of the prefabricated (nail plated) roof trusses must be carried out by an 'Approved Competent Person', who is professionally registered with ECSA, in terms of the Engineering Profession Act, 2000, (Act No. 46 of 2000). The Structural Design of the prefabricated (nail plated) roof trusses must be carried out in accordance with the requirements of the following South African National Standards : SANS 10160, SANS 10163 and SANS 10243.
3. In accordance with the statutory requirements of the 'The South African National Building Regulations' - SANS 10400-A, Clause A19, the 'Approved Competent Person', who was responsible for the structural design of the prefabricated (nail plated) timber roof trusses, must submit a 'TR1 - Compliance and Completion Certificate' confirming the structural stability of the roof structure, to the Principle Structural Engineer (PSE), on completion of the roof truss installation
4. The prefabricated (nail plated) timber roof trusses must be manufactured by an accredited ITC-SA fabricator
5. The timber truss fabricator is to verify all setting out dimensions on-site, prior to any fabrication taking place.
6. A full set of 'Shop Drawings' (confirming all on-site dimensions, structural design information, truss tie down details, cross bracing details, etc), must be submitted by the Principle Building Contractor (PBC) to the Principle Structural Engineer (PSE) for review and approval, prior to any fabrication taking place.
7. The on-site Inspection of the installation of the prefabricated (nail plated) roof trusses must be carried out by an 'Approved Competent Person', who is professionally registered with ECSA, in terms of the Engineering Profession Act, 2000, (Act No. 46 of 2000).
8. In accordance with the statutory requirements of the 'The South African National Building Regulations' - SANS 10400-A, Clause A19, the 'Approved Competent Person', who was responsible for the on-site Inspection of the installation of the prefabricated (nail plated) timber roof trusses, must submit a 'TR2 - Compliance and Completion Certificate' confirming that the fabrication, installation and erection of the entire prefabricated (nail plated) timber roof structure is structurally stable and has been completed in accordance with the approved structural design drawings, to the Principle Structural Engineer (PSE), on completion of the roof truss installation.

FOR TENDER

REV.	DESCRIPTION	BY	DATE
T1	ISSUED FOR TENDER	M.X.	11/04/2025

Professional Person : M. NAIR, PrTechEng. ECSA Registration No.: 200670211

CLIENT :
IMPLEMENTING AGENTS :



PROJECT MANAGERS :



ARCHITECTS :



PROJECT :

19/1/9/1/59 TB (22)
PROPOSED MSINSINI
POLICE STATION IN KZN

DETAILS :

POLICE STATION : BIN AREA
EAVES LEVEL LAYOUT AND DETAILS

DISCIPLINE : STRUCTURAL ENGINEERING



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DRAWN :	M.X.		1:30 1:10
APPROVED :	M.N.	PL	DATE : 25/11/2024

DRAWING No. : 589 / 122

REV. T1