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## RC Beam Design Calculation

### Introduction

This document outlines the design calculations for an RC beam, considering various design parameters.

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### Load Calculations

The applied loads on the beam include dead loads, live loads, and additional external forces. These loads are summarized as follows:

- Dead load: 10 kN/m
  - Live load: 5 kN/m
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### Design Results

- Moment capacity: 50 kNm
- Shear capacity: 20 kN



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## Introduction

This document outlines the design calculations for an RC beam, considering various design parameters.

## Load Calculations

The applied loads on the beam include dead loads, live loads, and additional external forces. These loads are summarized as follows:

- Dead load: 20 kN/m
- Live load: 5 kN/m

## Design Results

- Moment capacity: 50 kNm
- Shear capacity: 20 kN

Load Type	Value (kN/m)
Dead Load	10
Live Load	5
Point Load	15



Load Type	Value	Units
Dead Load	10	kN/m
Live Load	5	kN/m
Point Load	15	kN/m

Designed by: GAA  
Checked by: TYA  
Title: RC Beam Design Calculation  
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