Designed by: GAA
Checked by: TYA
Title: RC Beam Design Calculation
Date: 2024-12-27

RC Beam Design Calculation

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: {{dead_load}} kN/m
- Live load: {{live_load}} kN/m

Design Results

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

RC Beam Design Calculation

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

RC Beam Design Calculation

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: 1000 kN/m
- Live load: 500 kN/m

Design Results

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

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