Chinastandards.org

CECS

ASSOCIATION STANDARD OF CHINA ASSOCIATION FOR ENGINEERING CONSTRUCTION STANDARDIZATION

CECS 387-2014

Technical specification for underpinning of seismic isolators to existing masonry structure

既有砌体结构隔震支座托换技术规程

(English Translation)

Issued on: December 15, 2014 **Implemented on: March 1, 2015**

Issued by: China Association for Engineering Construction Standardization

Preview: page 1 of 3 shown, 29 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/cecs-387-2014

Chinastandards.org

Table of Contents

[Preview only]
1 General Provisions
2 Terms and Symbols
2.1 Terms
2.2 Symbols
3 Materials
3.1 General Requirements
3.2 Determination of Estimated Strength of Concrete with Dilled Cores
3.3 Drilled Core Correction Method
4 Design
4.2 Calculation of Earthquake Action and Earthquake Response
4.3 Design of Isolation Layer
4.4 Design of Structural Elements Above the Isolation Layer
4.5 Design of the Structural Elements below Isolation Layer and of the Soil and Foundation
5 Structural Calculation
5.2 Design of Seismic Isolator
5.3 Installation
5.4 Construction Requirements
5.5 Construction Quality Control and Monitor
5.6 Environmental Protection
6 Processing of Core or Technical Requirements of Specimen
6.3 Connection between Membrane and Rigid Boundary
6.4 Connection between Membrane and Flexible Boundary
6.5 Action Effect Combination
7 Test of Core Specimen and Calculation of Compressive Strength
7.1 Construction and Installation
7.2 Construction Survey
7.3 Project Acceptance
7.4 Maintenance of Isolation Layers
7.5 Critical Temperature of Steel Frame Beam and Column
8 Detailing Requirements

Preview: page 2 of 3 shown, 29 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/cecs-387-2014

8.1 Erection of Steel Members and Tension Cables
8.2 Erection of Membrane Elements
8.3 Application of Pretension Force
8.4 Nondestructive Testing of Connection of Structural Steel Casting
8.5 Marking, Storage and Transport
9 Acceptance
9.1 Protection Measures and Selection Principle
9.2 Construction

1 Foreword

CECS 387-2014 was issued by China Association for Engineering Construction Standardization on 15 December 2014 and has been in force since 1 March 2015.

The CECS prefix marks a association standard of the engineering construction sector, adopted voluntarily.

The document runs to 29 pages in English translation.

2 Scope Preview

CECS 387-2014 carries no ICS number and no Chinese Standard Classification code.

This catalogue holds 316 other CECS standards.

Of the 180 CECS standards that do carry an ICS number, 145 (81%) fall under ICS 91, in the field of construction materials and building.

3 About this standard

Issued by: China Association for Engineering Construction Standardization

English translation: about 29 pages

Chinese original: about 43,470 characters

4 Classification and status

Prefix CECS: association standard of the engineering construction sector, adopted voluntarily.

Preview: page 3 of 3 shown, 29 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/cecs-387-2014