

Summary of Modifications/Changes in this Update

This Summary of Changes is for information only.
It is not a part of the referenced document, and should not be used for project documentation.

U.S. Department of Veterans Affairs ♦ Office of Construction & Facilities Management

DATE OF THIS VERSION (new)

October 1, 2013

TITLE OF DOCUMENT (new title if applicable):

Structural Design Manual for Parking Structure Projects

DATE OF VERSION BEING SUPERSEDED (old):

October 1, 2009

DESCRIPTION OF DOCUMENT (previous title, number, other identifying data):

Structural Design Manual for Parking Structure Projects

SUMMARY OF CHANGES IN THIS VERSION:

1. Reference of ACI Code Changed to Latest Edition;
2. Added reference of ASCE 7-10 for General Structural Integrity; and
3. Updated Structural Spec. Sections with latest dates.

October 2013

DEPARTMENT OF VETERANS AFFAIRS

DESIGN INSTRUCTIONS TO ARCHITECTS AND ENGINEERS

LOCATION: VAMC,

PROJECT TITLE:

PROJECT NO.:

SCHEMATICS

DESIGN
DEVELOPMENT

CONSTRUCTION
DOCUMENTS

STRUCTURAL

STRUCTURAL DESIGN MANUAL FOR PARKING STRUCTURE PROJECTS
(October 2013)

FROM:

DATE:

Package Preparer:

Telephone Number:

**STRUCTURAL DESIGN MANUAL
FOR PARKING STRUCTURE PROJECTS
DEPARTMENT OF VETERANS AFFAIRS**

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**STRUCTURAL DESIGN MANUAL
FOR PARKING STRUCTURE PROJECTS
DEPARTMENT OF VETERANS AFFAIRS**

October 2013

1. GENERAL:

- 1.1 Structural design shall comply with the latest editions of the following:
 - A. Reinforced concrete design - ACI 318-08, "Building Code Requirements for Reinforced Concrete and Commentary", American Concrete Institute.
 - B. Structural steel design - "Specification for the Design, Fabrication and Erection of Structural Steel for Buildings", American Institute of Steel Construction.
 - C. Unless otherwise noted above - "International Building Code", Latest Edition.
 - D. ASCE 7-10, Section 1.4 General Structural Integrity.
- 1.2 Follow the Fire Protection Design Manual for fireproofing requirements of structural elements.

2. STRUCTURAL DESIGN LOAD REQUIREMENTS:

- 2.1 Minimum uniform basic design live loads shall conform to IBC (Latest Edition) requirements, except that there shall be no live load reduction for design of horizontal framing members.
- 2.2 Roof live loads shall be based on geographical location and local governing building code requirements; however, they shall not be less than 20 psf.

3. APPLICABLE STRUCTURAL MASTER SPECIFICATIONS INDEX:

<u>SECTION</u>	<u>DATE</u>	<u>TITLE</u>
01 45 29	07-13	TESTING LABORATORY SERVICES
02 41 00	04-13	DEMOLITION
31 23 19	10-12	DEWATERING
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31 23 23.33	10-12	FLOWABLE FILL
31 62 00	10-12	DRIVEN PILES
31 63 16	10-12	AUGER-CAST GROUT PILES
31 63 26	10-12	DRILLED CAISSONS
03 23 00	07-11	STRESSING TENDONS
03 30 00	10-12	CAST-IN-PLACE CONCRETE
03 30 53	10-12	(SHORT FORM) CAST-IN-PLACE CONCRETE
03 37 13	07-11	SHOTCRETE
03 41 33	07-11	PRECAST STRUCTURAL PRETENSION CONCRETE
05 12 00	11-12	STRUCTURAL STEEL FRAMING
05 36 00	07-11	COMPOSITE METAL DECKING

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