

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
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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:

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