



NATIONAL PETROCHEMICAL COMPANY
STANDARDS

ENGINEERING STANDARD
FOR
BLAST RESISTANT STRUCTURES

NPCS-ES-ST-04

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1 GENERAL

1.1 SCOPE

This standard covers the minimum requirements for the design and material of blast resistant structures.

1.2 REGULATIONS

1.2.1 The work shall be done in accordance with the national and local law and regulations.

1.2.2 For subjects not covered by regulations or specifications, the design and material shall be based on good engineering and working practice. The methods are subject to approval by client.

1.3 STANDARDS AND CODES

All blast resistant structures design and material shall conform to the latest edition of the following codes and standards:

- a) Iranian National Building Code
 - Part 5 Building Materials and Products.
- b) ACI 318-89 Building Code Requirements for Reinforced Concrete.
- c) ISIRI No.519 Minimum Design Loads in Buildings and Other Structures.
- d) UBC Uniform Building Code.
- e) ANSI American National Standards Institute
 - ANSI A 58.1 Building Code Requirements for Minimum Design Loads in Buildings and other Structures.
- f) NPCS National petrochemical Standards.
 - NPCS-ES-ST-01 Engineering Standard for concrete.
 - NPCS-ES-ST-02 Engineering Standard for Steel Structures.
 - NPCS-ES-ST-08 Engineering Standard for Building.

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