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Standard for
Installing Steel Conduits
(Rigid, IMC, EMT)



Published by
National Electrical
Contractors Association



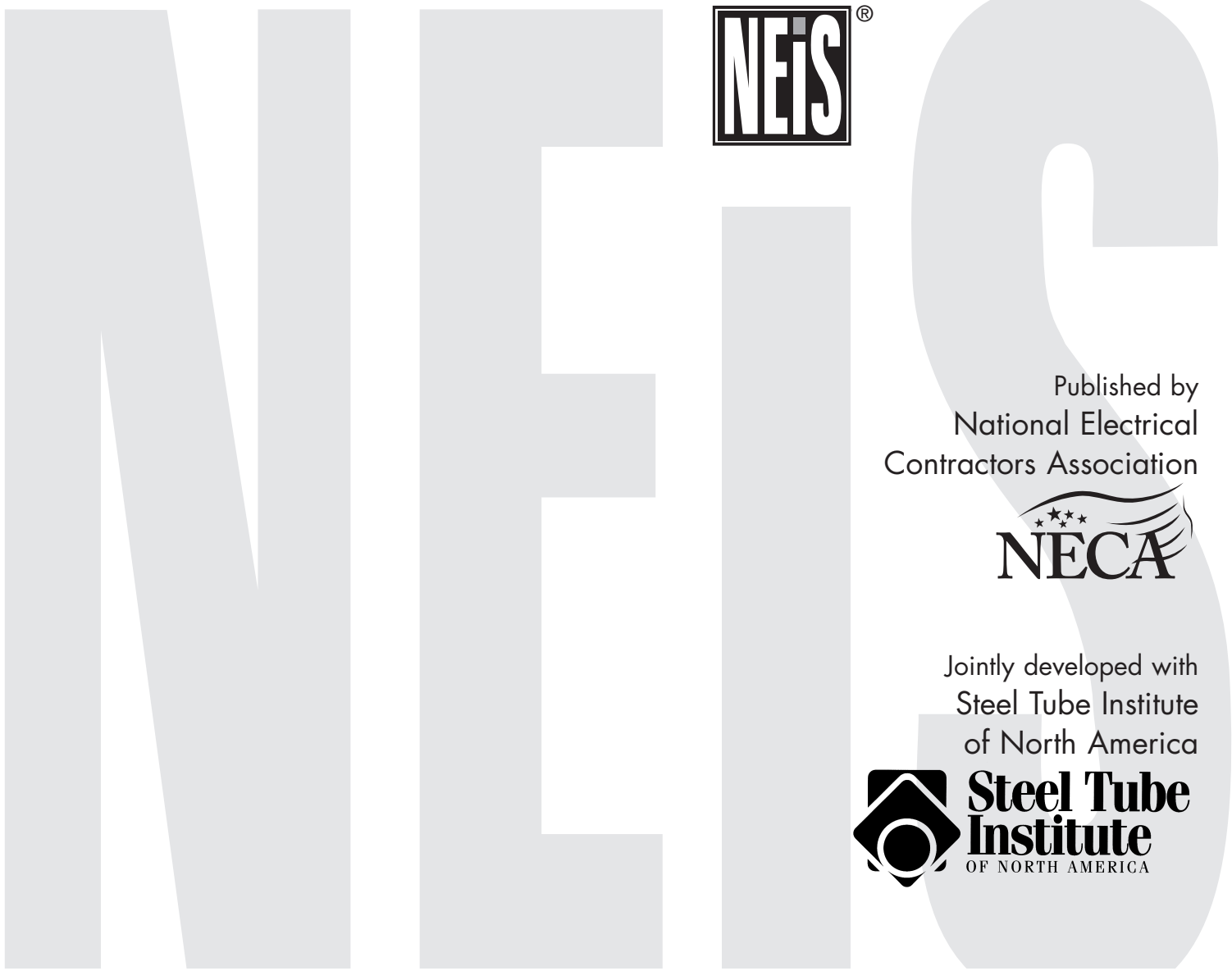
Jointly developed with
Steel Tube Institute
of North America



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**An American
National Standard**



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National Electrical Contractors Association
3 Bethesda Metro Center, Suite 1100
Bethesda, Maryland 20814
(301) 657-3110

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IHS
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(This foreword is not a part of the standard)

Foreword

National Electrical Installation Standards™ (NEIS®) are designed to improve communication among specifiers, purchasers, and suppliers of electrical construction services. They define a minimum baseline of quality and workmanship for installing electrical products and systems. *NEIS* are intended to be referenced in contract documents for electrical construction projects. The following language is recommended:

Tubular steel raceways shall be installed in accordance with NECA 101-2006, *Standard for Installing Steel Conduits (Rigid, IMC, EMT)*.

Use of *NEIS* is voluntary, and neither the National Electrical Contractors Association nor the Steel Tube Institute of North America assume any obligation or liability to users of this publication. Existence of a standard shall not preclude any member or non-member of NECA or STI from specifying or using alternate construction methods permitted by applicable regulations.

The installation and maintenance practices recommended by this publication are intended to comply with the edition of the National Electrical Code (NEC) in effect at the time of publication. *NEIS* are not intended to duplicate NEC requirements nor to establish regulatory requirements for electrical construction. It is the responsibility of users of this standard to comply with state and local electrical codes when installing electrical products and systems.

Suggestions for revisions and improvements to this standard are welcome. They should be addressed to:

NECA Standards & Safety
3 Bethesda Metro Center, Suite 1100
Bethesda, MD 20814
(301) 657-3110 telephone
(301) 215-4500 fax
www.neca-neis.org
neis@necanet.org

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1. Scope

This standard describes installation procedures for steel rigid metal conduit (RMC), steel intermediate metal conduit (IMC), and steel electrical metallic tubing (EMT). Conduit with supplementary PVC coating is also included.

This publication is intended to enhance electrical safety by:

1. Aiding installers in meeting the “neat and workmanlike” requirements
2. Reducing future repair needs
3. Providing for future expansion to avoid electrical overload
4. Creating an installation which will protect the wire conductors from mechanical abuse
5. Providing electrical continuity of the raceway system

1.1 Regulatory and Other Requirements

- a) All information in this publication is intended to conform to the National Electrical Code (ANSI/NFPA 70). Installers should always follow the NEC, applicable state and local codes, manufacturer’s instructions, and contract documents when installing steel rigid metal conduits (RMC, IMC, EMT).
- b) Only qualified persons familiar with the construction and installation of steel rigid metal conduits (RMC, IMC, EMT) should perform the work described in this publication. It is recommended that all work be performed in accordance with NFPA 70E, *Standard for Electrical Safety in the Workplace*.
- c) General requirements for installing electrical products and systems are described in NECA 1, *Standard Practices for Good Workmanship in Electrical Contracting* (ANSI). Other *National Electrical Installation Standards* provide additional guidance for installing particular types of electrical products and systems. A complete list of *NEIS* is provided in Annex C.