



## 1 INTRODUCTION

### 1.1 Contact Information

Please do not hesitate to use the following contact information in the event that you may need assistance:

**R&M MATERIALS HANDLING, INC.**  
4501 Gateway Boulevard  
Springfield, OH 45502

**General Telephone:** 937 - 328-5100  
**Toll Free Telephone (US):** 800 - 955-9967

**General Fax:** 937 - 325-5319  
**Parts Dept. Fax (US):** 800 - 955-5162  
**Parts Dept. Fax (other):** 937 - 328-5162

**Website:** [www.rmhoist.com](http://www.rmhoist.com)

### 1.2 Warranty

All sales are subject to the R&M MATERIALS HANDLING, INC. Standard Terms and Conditions of Sale and Product Warranty. Copies are available upon request from R&M MATERIALS HANDLING (also available from R&M's website) and are expressly incorporated by reference hereto.

### 1.3 Disclaimer

This Manual has been prepared by R&M MATERIALS HANDLING, INC. to provide information and suggestions for hoist installation, maintenance, and inspection personnel. This manual should be used in conjunction with the *STAGEMAKER*® Concert Electric Chain Hoist Operator's Manual to teach safe operating practices to all personnel associated with hoist operations and maintenance.

It is NOT intended that the recommendations in this manual take precedence over existing plant / site safety rules and regulations or OSHA regulations. However, a thorough study of the following information should provide a better understanding of proper installation, maintenance, and inspection procedures that are to be followed in order to afford a greater margin of safety for people and machinery in the area of hoist operations.

It must be recognized that this is a manual of recommendations for the Hoist Installation, Maintenance, and Inspection personnel and its use is permissive not mandatory. It is the responsibility of the hoist owner to make personnel aware of all federal, state, and local codes and regulations. The owner is responsible for providing instruction and insuring that certain installation, maintenance, and inspection personnel are properly trained.

## 1.4 Safety



The Safety Alert Symbol is used in this manual to indicate hazards and to alert the reader to information that should be known, understood, and followed in order to avoid DEATH or SERIOUS INJURY.

Read and understand this manual before using the hoist.

Important issues to remember during installation, operation, maintenance, and inspection are provided at the hoist control stations, at various locations on the hoist, in this manual, and in the *STAGEMAKER*® Concert Electric Chain Hoist Operator's Manual. These issues are indicated by DANGER, WARNING, or CAUTION instructions or placards that alert personnel to potential hazards, proper operation, load limitations, and more.



**DANGER:** Indicates an imminently hazardous situation, which, if not avoided, will result in death or serious injury.



**WARNING:** Indicates a potentially hazardous situation, which, if not avoided, could result in death or serious injury.



**CAUTION:** Indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

Taking precedence over any specific rule, however, is the most important rule of all:

**“USE COMMON SENSE”**

It is a responsibility of the hoist owner / user to establish programs to:

1. Train and designate hoist operators, and
2. Train and designate hoist inspectors / maintenance personnel.

The words SHALL and SHOULD are used throughout this manual in accordance with definitions in the ASME B30 standards as follows:

SHALL indicates a rule is mandatory and must be followed.

SHOULD indicates a rule is a recommendation, the advisability of which depends on the facts in each situation.



Hoist operator, hoist inspection, and hoist maintenance personnel training programs should be based on requirements in accordance with the latest edition of:

- ASME B30.16 Safety Standard for Overhead Hoists ( Underhung )

**When using the STAGEMAKER® Concert Electric Chain Hoist in the Inverted position, ASME B30.16 Section 16-0.1, states that this standard does not apply when “drawing both the load and the hoist up or down the load chain(s) or rope(s) of the hoist.” See WARNING section 2.3.**

Such training should also provide information for compliance with any Federal, State, or Local Code requirements, and existing plant / site safety rules and regulations.

If an overhead hoist is installed as part of an overhead crane or monorail system, training programs should also include requirements in accordance with the latest editions, as applicable, of:

- ASME B30.11 Safety Standard for Monorails and Underhung Cranes
- ASME B30.17 Safety Standard for Overhead and Gantry Cranes, Top Running Bridge, Single Girder, Underhung Hoist

## NOTICE

**It is a responsibility of the owner / user to install, inspect, test, maintain, and operate a hoist in accordance with the ASME B30.16 Safety Standard, OSHA Regulations, and ANSI / NFPA 70, National Electric Code. If the hoist is installed as part of a total lifting system, it is also the responsibility of the owner / user to comply with the applicable ASME B30 volume that addresses other types of equipment used in the system.**

**Further, it is the responsibility of the owner / user to require that all personnel who will install, inspect, test, maintain, and operate a hoist read the contents of this manual, STAGEMAKER® Concert Electric Chain Hoist Operator’s Manual, ASME B30.16 Safety Standards for Overhead Hoists (Underhung), OSHA Regulations, and ANSI / NFPA 70, National Electric Code. If the hoist is installed as part of a total lifting system, all personnel must also read the applicable ASME B30 volume that addresses other types of equipment used in the system.**

## DANGER

**Failure to read and comply with any one of the limitations noted in this manual can result in product failure, serious bodily injury or death, and / or property damage.**

**R&M MATERIALS HANDLING, INC.** has no direct involvement or control over the hoist’s operation and application. Conforming to good safety practices is the responsibility of the owner, the user, and it’s operating personnel.

Only those Authorized and Qualified Personnel who have shown that they have read and have understood this manual and the STAGEMAKER® Concert Electric Chain Hoist Operator’s Manual should be permitted to operate the hoist.



The owner / user SHALL insure that all Operators read and understand the *STAGEMAKER*<sup>®</sup> Concert Electric Chain Hoist Operator's Manual prior to operating the hoist.

### **1.5 Placards and Instructions**

READ and OBEY all Danger, Warning, Caution, and Operating Instructions on the hoist and in this manual and *STAGEMAKER*<sup>®</sup> Concert Electric Chain Hoist Operator's Manual. Make sure that all placards are in place and legible.

Failure to comply with safety precautions in this manual and on the hoist is a safety violation that may result in serious injury, death, or property damage.