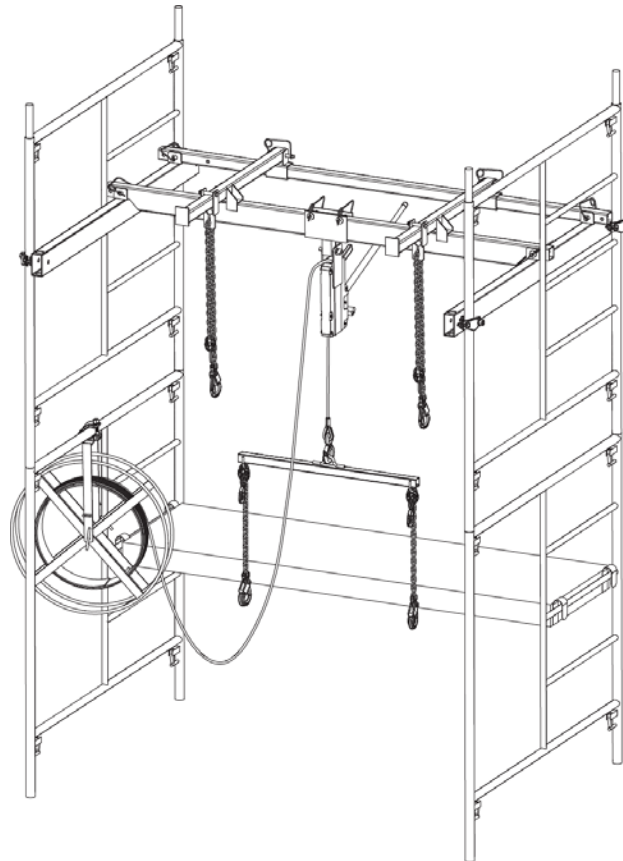


SUPERCHUTE® DEBRIS REMOVAL SYSTEM

CHUTE HOIST INSTALLATION MANUAL



For Scaffold Hoist Model N° SC-900-s

SUPERCHUTE® FACTORY

- toll free: 800-363-2488
- telephone: 514-365-6121
- facsimile: 514-365-8987
- internet: www.superchute.com
- e-mail: info@superchute.com
- address: 8810 Elmslie Road, Montreal, Canada, H8R 1V6

Edition of March 10, 2016

IMPORTANT REFERENCE DOCUMENT

IMPORTANT NOTICE:

IT IS THE RESPONSIBILITY OF COMPANIES THAT SELL, RENT OR USE THE SUPERCHUTE® PRODUCT TO FREELY SUPPLY THE LATEST EDITION OF THIS MANUAL TO THE FOLLOWING PERSONS:

- **THE PLANNERS AND SUPERVISORS OF THE CHUTE SYSTEM**
- **THE INSTALLERS OF THE CHUTE SYSTEM**
- **THE USERS OF THE CHUTE SYSTEM**

If you have any questions or comments concerning this manual, please feel free to contact Superchute Ltd.

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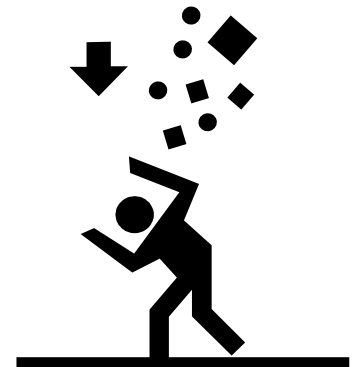
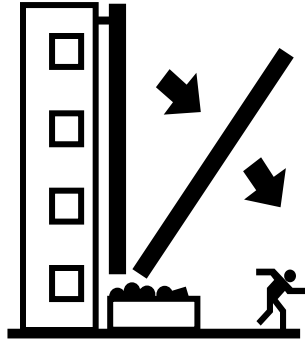
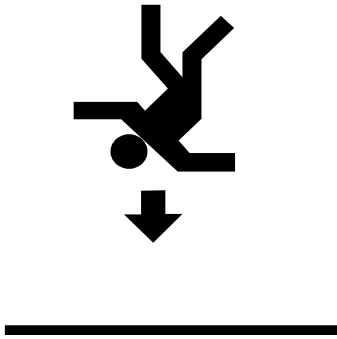
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Printed in Canada*

This manual refers to the following products, which are protected by international patent laws:

Door Sections	Wraparound® Regular Sections	Chute Hoists
U.S. Pat. No. Des. 328,174 Can. Ind. Des. 1990 RD 66842	U.S. Pat. 5,472,768 Can. Pat. 2,119,108 U.K. Pat. 2,276,151	U.S. Pat. 5,934,437 Can. Pat. Application 2,177,741



WARNING



- The installation and use of a Superchute Chute System involves many hazards, for example, the risk of:
 - a worker falling off a building
 - a blockage in the chute causing the chute system to collapse
 - a person being struck by falling debris
- Failure to follow Superchute's instructions may result in serious injury or death.
- Planners, Supervisors, Installers, and Users must read, understand, and follow the instructions found in these manuals before rigging or using a chute system:
 1. The "Chutes Manual"
 2. The applicable "Chute Hoist Installation Manual(s)"
- For copies of these manuals contact Superchute® Ltd: **1-800-363-2488**
or download them from www.superchute.com

HOW TO USE THIS MANUAL

Many people read this manual from beginning to end when they first receive their chute hoist. The manual explains the hoist's features and the procedures for using it safely.

In this manual, you'll find that pictures and words work together to explain things quickly.

A) USE THE MOST RECENT EDITION

- Each new edition of the SC-900-s Chute Hoist Installation Manual contains important new information.
- **ALWAYS USE THE MOST RECENT EDITION:** Compare the edition date of this booklet (printed at the bottom of every page) to the edition available for download on the Superchute website: www.superchute.com. Use the edition with the most recent date. If you do not have access to the internet, call Superchute (1-800-363-2488) and ask a representative for assistance.
- The instructions in a new edition supersede any instruction found in a prior edition.
- Avoid confusion: discard any old SC-900-s Chute Hoist Installation Manuals.

B) IF USING THIS MANUAL EDITION WITH AN OLDER HOIST

Over time, improvements may have been made to the Scaffold Hoist. If you are using this manual with an older hoist, you may find some of the sketches do not match the product you have. If you are unsure of how to proceed, call the Superchute® Factory: 1-800-363-2488.

Older hoists can be upgraded to reflect the latest improvements. Contact the Superchute® factory for details.

C) USE THE TABLE OF CONTENTS

A good place to look for what you need is the Table of Contents located on **page 6** of the manual. It's a list of all that's in the manual along with the page number where you'll find it.


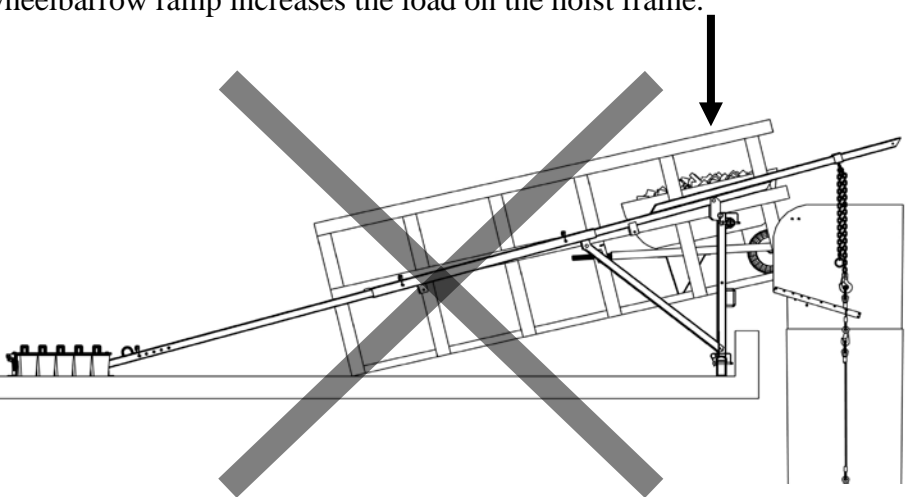
D) SAFETY WARNINGS AND SYMBOLS

You will find a number of safety warnings in this book. Safety warnings tell you about things that could hurt you, or others, if you were to ignore the warning. We use the following symbol to attract your attention to the warning:



A warning indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

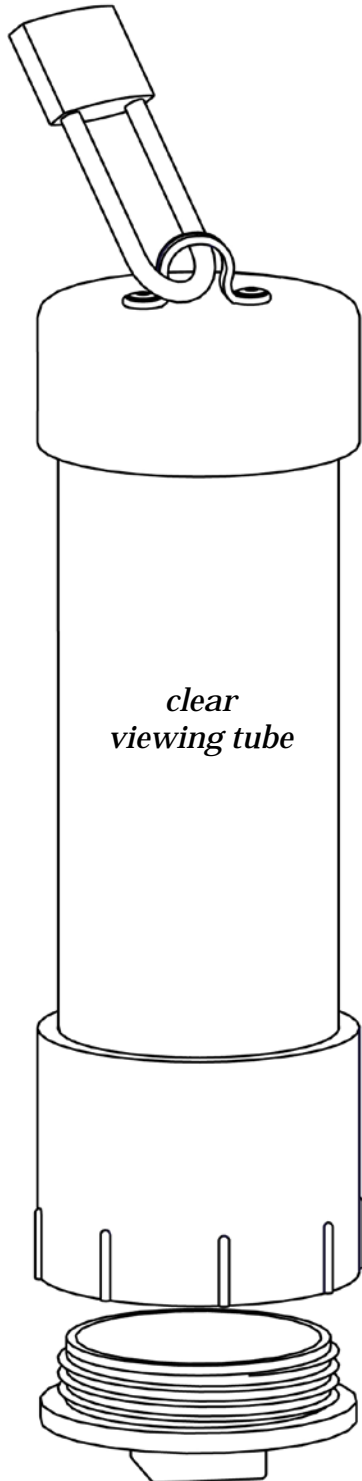
Here is an example of a Superchute® warning:

 WARNING	
Hazard	<ul style="list-style-type: none">• A ramp resting on the hoist frame could greatly increase the loading on the hoist frame.• The load increase could cause the hoist frame to fail.• Do NOT rest ramps on the hoist frame. Do NOT attach ramps to the hoist frame. Ramp designs must be approved by a structural engineer.
Consequence	
Instruction	
Pictorial (optional)	<p><u>WRONG:</u></p> <p>The wheelbarrow ramp increases the load on the hoist frame.</p> 

E) STORE THE MANUAL IN THE SUPERCHUTE DOCUMENTS CANISTER

Use a canister at the jobsite to:

- protect and store the manual.
- make the manual readily available to users of the Hoist.



The canister is virtually indestructible and weatherproof. It features a clear plastic viewing tube that allows users to see its contents. The canister is supplied with a brass padlock to allow it to be locked to the hoist.

An on-site canister protects your workers and your company by ensuring greater jobsite safety. Use the canister as part of your overall safety program.

Color pictures with more explanations are provided on the Superchute website: www.superchute.com.

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1. INTRODUCTION

Welcome to safer, quicker, and easier chute installations!

The Superchute® Scaffold Hoist is a heavy-duty chute hoist that is installed on a scaffold tower built of 5' wide ladder frames, with a cross brace spacing of 5', 7', or 10'.

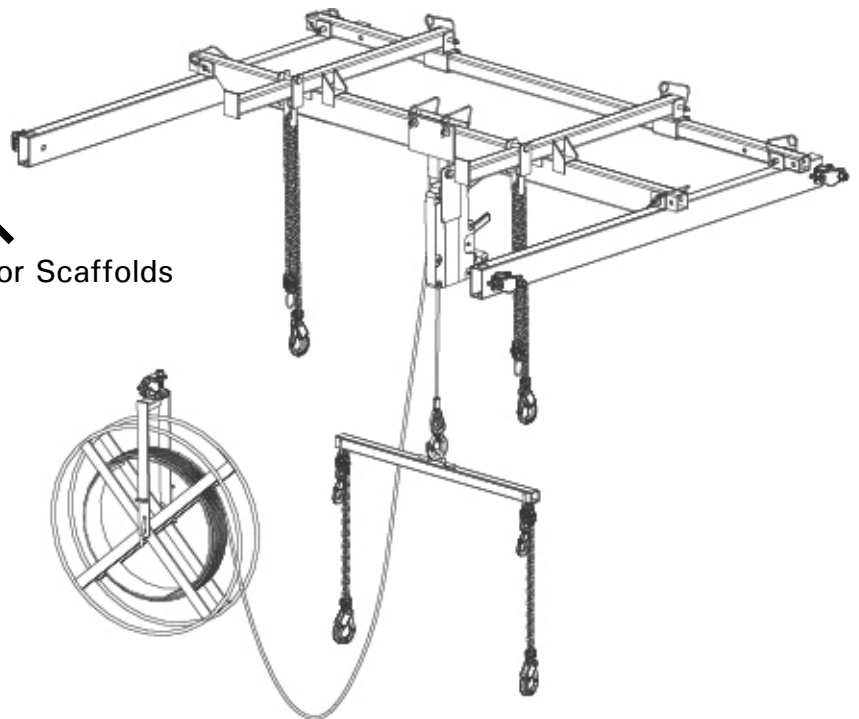
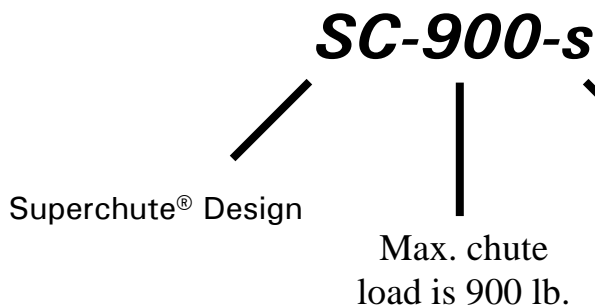
Superchute Ltd manufactures two models of Scaffold Hoist: the SC-900-s, and SC-2000-s. This installation manual concerns model SC-900-s, which will raise, support, and lower up to 900 lb. of chute. The length of chute that can be created depends on the total weight of the chute, which must be calculated (refer to **Section 5** in this manual entitled: **Assess Chute Height & Weight**).

The entire unit assembles in 10 minutes with just a few locking pins. No tools are needed. The design features a 3:1 safety factor.

A winch package is available for lifting and lowering the chute. A single winch package can serve many SC-900-s frames.

A Scaffold Hoist consists of a seven compact pieces, all of which are small enough to fit in an elevator car.

Understand the Name:

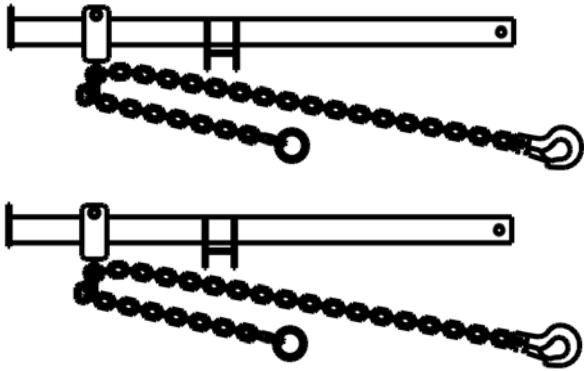


U.S. Pat. 5,934,437

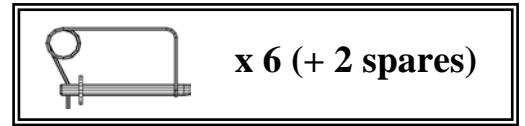
2. IDENTIFY THE PIECES

Frame Components

2 Booms with Chains



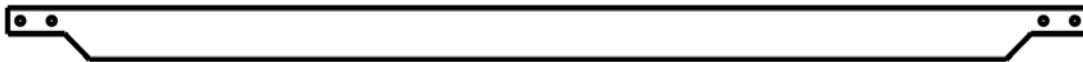
Pins



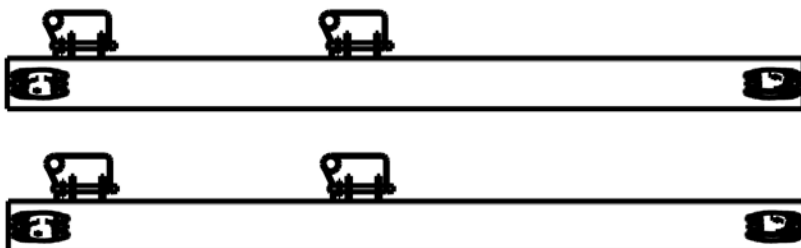
1 Rear Beam with 2 Boom Anchors



1 Center Beam



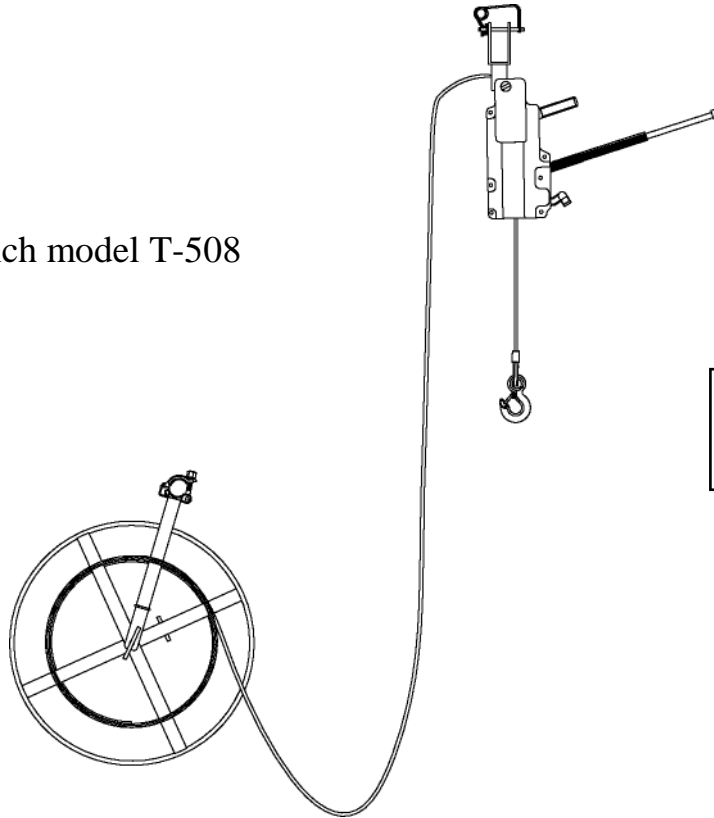
2 End Members



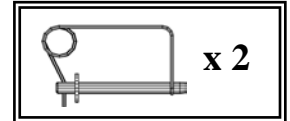
Hoisting Components

F-900 Winch Package:

- Griphoist®-Tirfor® winch model T-508
- Winch handle
- 150 ft cable with hook
- Cable reeler with yoke
- Hanger for winch



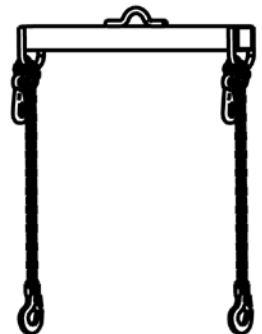
Pins for Hanger



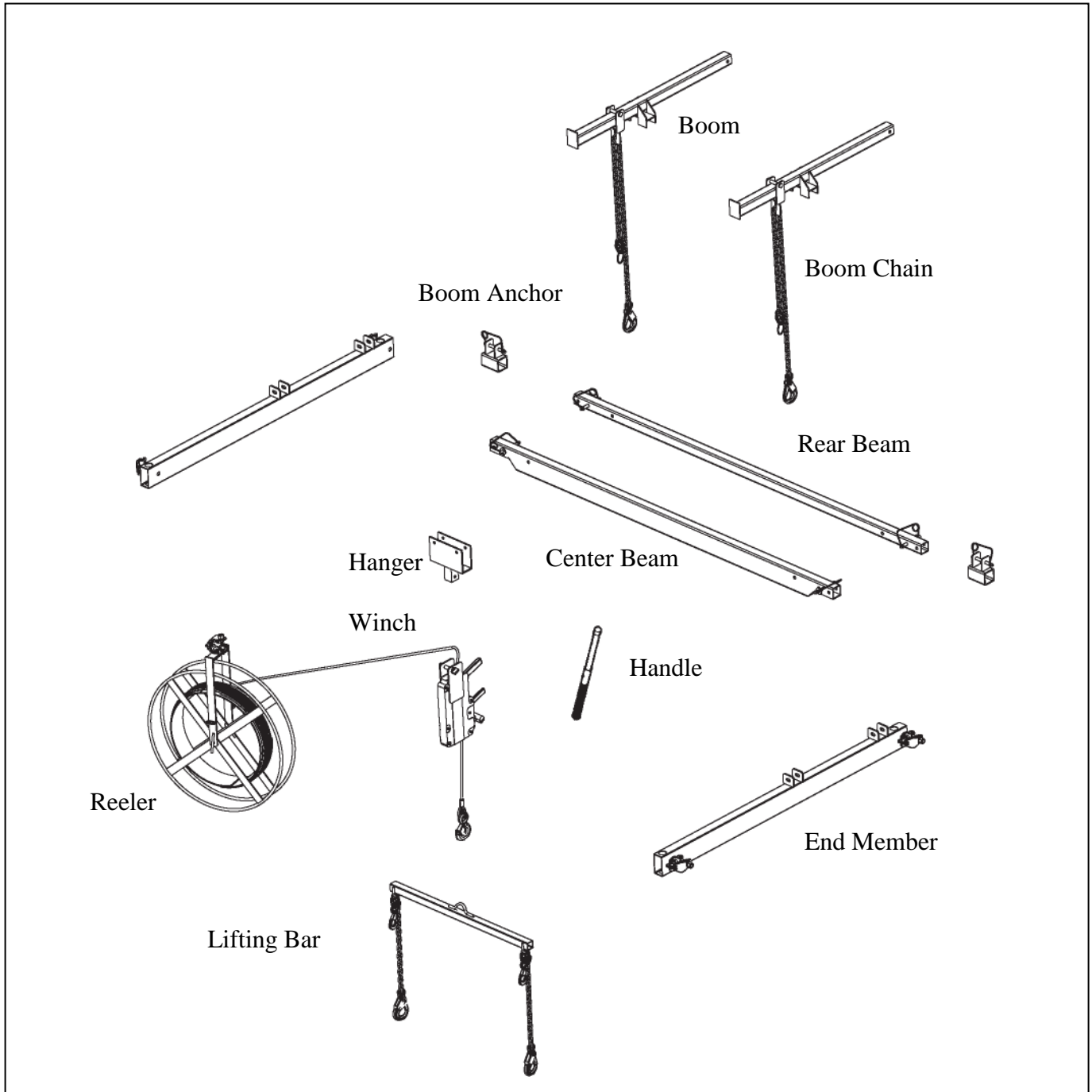
Booklet containing winch instructions:
“Tirfor – Operating and Maintenance Instructions”



Lifting Bar



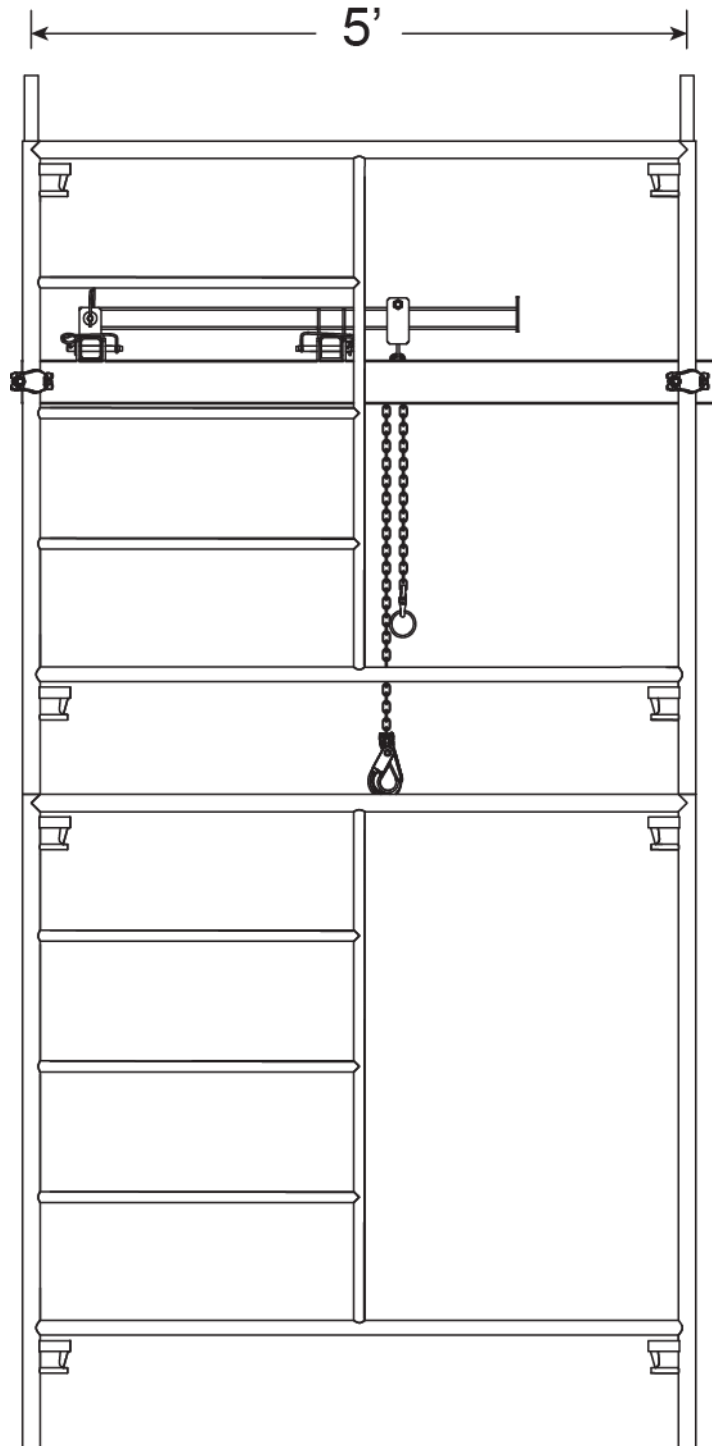
Exploded View



3. INSTALLATION DIMENSIONS

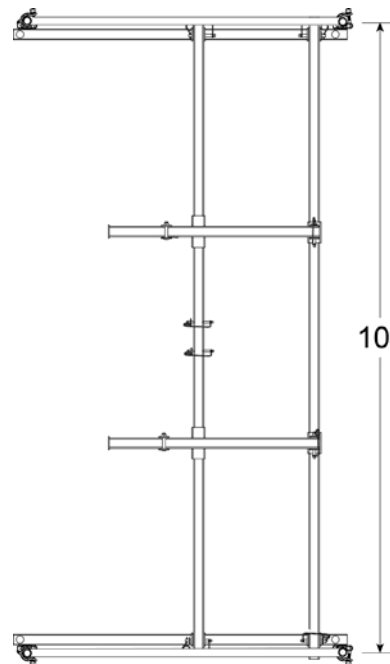
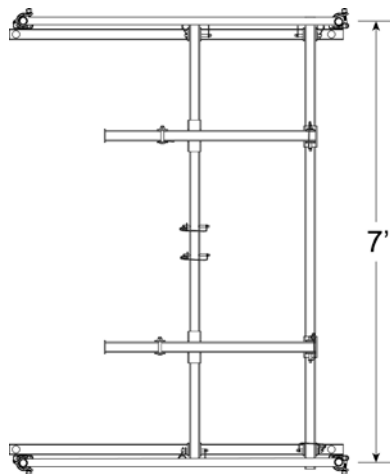
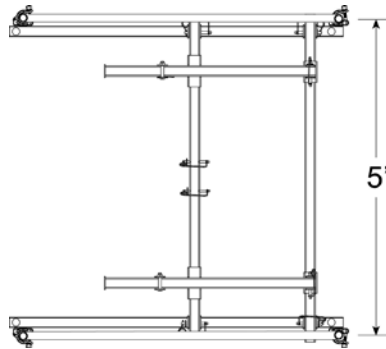
Weights:

- Support Frame: 150 lb.
- Winch Package: 50 lb.
- Total Weight: 200 lb.



Beam Lengths Available

Top Views



To match the scaffold's x-brace spacing, the following **center beam & rear beam** lengths are available:

- 5'
- 7'
- 10'

4. IMPORTANT INFORMATION

Applicable Regulations

Before rigging or using the chute system, planners, supervisors, installers and users should be aware of applicable federal, state, and local safety regulations.

Additional Expertise

This manual should not be taken as an overall survey on rigging technique, fall protection, or structure appraisal. Whenever these considerations arise, the planners, supervisors, installers and users of the chute system should secure the services of trained professionals.

Availability of the Manual

Planners, supervisors, installers and users of the chute system must be able to refer to this manual at any time. Copies of this manual are available from Superchute Ltd. free of charge, **by mail or fax, and can be downloaded from the Superchute® web site at: www.superchute.com**. If this manual is not with the chute system on the job site, postpone installation and use of the chute system until a manual is obtained.

Condition of the Equipment

Every time the chute is to be rigged or used, make sure the following items are in good condition: Superchute® hoist(s), Superchute® cable assemblies, Superchute® chute sections, Superchute® steel liners, and any other ancillary Superchute® equipment, such as door adjustment kits and tie-back kits. Thorough overhaul servicing is available from Superchute Ltd.

Condition of the Workers

Superchute® equipment should only be used by workers who are fit to operate it in a responsible manner.

Corrosive Substances

Keep corrosive substances away from all hoist components.

Engineered Rigging Equipment

Use engineered rigging equipment to install and anchor chute sections (for example, a Superchute® chute hoist)

Fire Prevention

Do not weld or flame-cut within 20 ft. of the hoist or chute.

Help Line

If at any time you are unsure of how to proceed call Superchute Toll Free: 1-800-363-2488

Intent of the Product

Do not use the chute hoist to lift or lower materials other than a Superchute® trash chute. Do not use the chute hoist as a man-hoist.

Lightning Storm

During a lightning storm stay away from the hoist & suspended chute system.

Other Brands of Chute

Do not mix Superchute® chute sections with chute sections of another brand.

Parts

Do not replace original Superchute® parts with non-Superchute® parts.

Powered loaders

Do not use powered loaders to introduce debris into the chute.

Prevent Electrocutation

Install the hoist and chute in an area free of electric cables. If cables are present contact your local electrical authority before proceeding.

Structural Engineer

Before a chute installation begins, a structural engineer must verify the adequacy of the supporting structure.

Training

A one-day training seminar is offered free of charge at the Superchute® factory. The seminar examines the proper installation and use of Superchute® chute sections and chute hoists. Call 1-800-363-2488 for details.

5. ASSESS CHUTE HEIGHT & WEIGHT

EXAMPLE

- The first step in undertaking a chute installation is to formulate an installation plan.
- This page is a planning tool, which is used here to illustrate an imaginary chute job.
- The next page is clean and is for your own use. Photocopy it and use it to plan your chute installations.

JOB NAME: Hotel On First Ave.

1. What is the anticipated height of the chute? 60' feet.

$$60 \text{ feet} \times 3 \text{ divided by } 10 = 18$$

2. How many chute sections will be needed? Height in ft x 3 ÷ 10 = 18 sections.
When linked, 3 chute sections of any type will create a 10 foot drop.

3. What diameter of chute will be used? [18"] [23"] [27"] [30"] [33"] [36"]
Every chute section is branded with its diameter.

4. Calculate the total weight of the chute system using the form below:
Every chute section is branded with its weight.
Section Weights are also provided on [page 17](#).

Chute Weight Calculation Form

(A) 1 Top Hopper x 41 lb. each = 41 lb.
Wraparound

(B) 2 Door Sections x 50 lb. each = 100 lb.
Wraparound

(C) 15 Regular Sections x 39 lb. each = 585 lb.
Wraparound - 3/16" wall

(D) 3 Steel Liners x 40 lb. each = 120 lb.

A+B+C+ D = The Total Weight Of The Chute System = 846 lb.

5. Does this weight exceed 900 lb? If "YES", then model SC-900-s is not adequate.
Call the Superchute® factory if your chute weight will exceed 900 lb.

No. The weight of the chute and liners is 846 lb. which is less than 900 lb.

OK - Proceed!

ASSESS CHUTE HEIGHT & WEIGHT – Photocopy this page

Before the chute is rigged it's height and weight must be calculated. Photocopy this form and use it with the weight charts provided on the next page. Knowing the total weight of the chute allows the installer(s) to choose an appropriate lifting device and suitable anchors. If at any time you would like to discuss the particulars of your job situation, please feel free to call the Superchute® factory: 1-800-363-2488.

JOB NAME: _____

1. What is the anticipated height of the chute? _____ feet.
2. How many chute sections will be needed? Height in ft x 3 ÷ 10 = _____ sections.
When linked, 3 chute sections of any type will create a 10 foot drop.
3. What diameter of chute will be used? [18"] [23"] [27"] [30"] [33"] [36"]
Every chute section is branded with its diameter.
4. Calculate the total weight of the chute system using the form below:
Every chute section is branded with its weight.
Section Weights are also provided on the next page.

Chute Weight Calculation Form

(A)	<u> 1 </u>	Top Hopper	x	_____ lb. each	=	_____ lb.
(B)	_____	Door Sections	x	_____ lb. each	=	_____ lb.
(C)	_____	Regular Sections	x	_____ lb. each	=	_____ lb.
(D)	_____	Steel Liners	x	_____ lb. each	=	_____ lb.
A+B+C+ D = The Total Weight Of The Chute System						= _____ lb.

5. Does this weight exceed 900 lb? If "YES", then model SC-900-s is not adequate.
Call the Superchute® factory if your chute weight will exceed 900 lb.

6. CHUTE SECTION WEIGHT CHARTS

- An “x” signifies that no such section exists.
- If using steel liners, do not forget to account for their weight.

WELDED SECTION WEIGHTS (in lb.)

Diameter	Wall Thick.	Regular	Top Hopper	Door
18”	5 mm	23	24	29
23”	5 mm	27	29	36
27”	5 mm	32	34	41
30”	5 mm	36	39	47
30”	4 mm	27	X	X
30”	3.2 mm	X	X	X
33”	5 mm	X	40	50
36”	5 mm	X	46	57

WRAPAROUND® SECTION WEIGHTS (in lb.)

Diameter	Wall Thick.	Regular	Top Hopper	Door
18”	5 mm	X	X	X
23”	5 mm	30	30	40
27”	5 mm	34	41	47
30”	5 mm	39	41	50
30”	4 mm	31	X	X
30”	3.2 mm	28	X	X
33”	5 mm	43	48	57
36”	5 mm	46	55	64

LINER WEIGHTS (in lb.)

18”	23”	27”	30”	33”	36”
23 lb.	32 lb.	37 lb.	40 lb.	48 lb.	53 lb.

7. A FEW FALL PROTECTION REGULATIONS

“The employer shall determine if the walking/working surfaces on which its employees are to work have the strength and structural integrity to support employees safely. Employees shall be allowed to work on those surfaces only when the surfaces have the requisite strength and structural integrity.”

“Each employee on a walking/working surface ... with an unprotected side or edge which is 6 ft or more above a lower level shall be protected from falling by the use of guardrail systems, safety net systems, or personal fall arrest systems.”

“An unprotected side or edge means any side or edge ... where there is no wall or guardrail system at least 39” high.”

“Each employee in a hoist area shall be protected from falling 6 feet or more to lower levels by guardrail systems or personal fall arrest systems. If guardrail systems ... or portions thereof, are removed to facilitate the hoisting operation ... and an employee must lean through the access opening or out over the edge of the access opening (to receive or guide equipment and materials, for example) that employee shall be protected from fall hazards by a personal fall arrest system.”

From OSHA Part 1926 Safety and Health Regulations for Construction, Subpart M, Fall Protection

For a more complete understanding of the OSHA regulations consult OSHA’s excellent online documentation on the internet: www.osha.gov

Once there, go to: Laws & Regulations / Standards - 29 CFR / PART 1926 Safety and Health Regulations for Construction.

Some states have their own regulations, which will differ from the U.S. Dept. of Labor’s OSHA regulations.



WARNING

- A person can easily fall off of a building if the floor edge they are working near does not offer fall protection safeguards.
- A fall from a height of 6 ft. is enough to seriously injure or kill.
- OSHA requires that fall prevention barriers be at least 42” high, plus or minus 3”. Guardrail systems, parapet walls, and window sills may be acceptable fall prevention barriers provided they meet OSHA’s height criteria.
- Use a personal fall arrest system (body harness and lanyard, or similar device) when working near a floor edge that does not offer proper fall prevention barrier(s).
- Read and understand the OSHA fall protection regulations (a few of the regulations are provided on the previous page).



WARNING

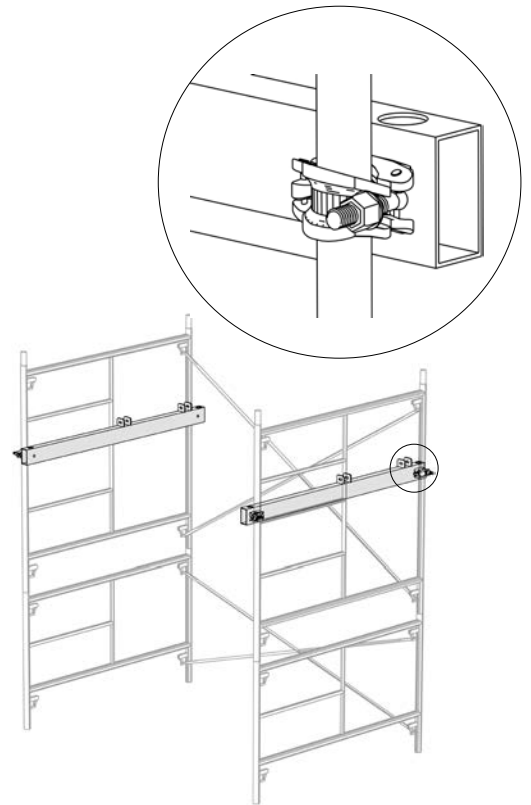
- The hoist frame may fail when load is applied if the correct pins are not used.
- A falling load can seriously injure or kill.
- Use only the locking pins that were supplied with this hoist (see details below).
- To prevent pin loss, store the pins on the unit.
- Order replacement pins from Superchute Ltd.

Pin Information

- 6 locking pins are needed for assembly and use of the FRAME.
- 2 locking pins are needed for suspension of the WINCH.
- 2 spare locking pins are provided with every SC-900-s.
- All of the pins used on the SC-900-s chute hoist are identical:
 - Diameter: 1/2"
 - Overall Length: 5"
 - Usable Length: 3 1/2"

8. ASSEMBLE THE HOIST FRAME

- Install the End Members on the scaffold uprights.
- The end members can be installed on top of the frame bottles, or secured inside the frame bay with the built-in clamps.



- Install the Rear Beam on the End Members.
- Pin in position using two pins.

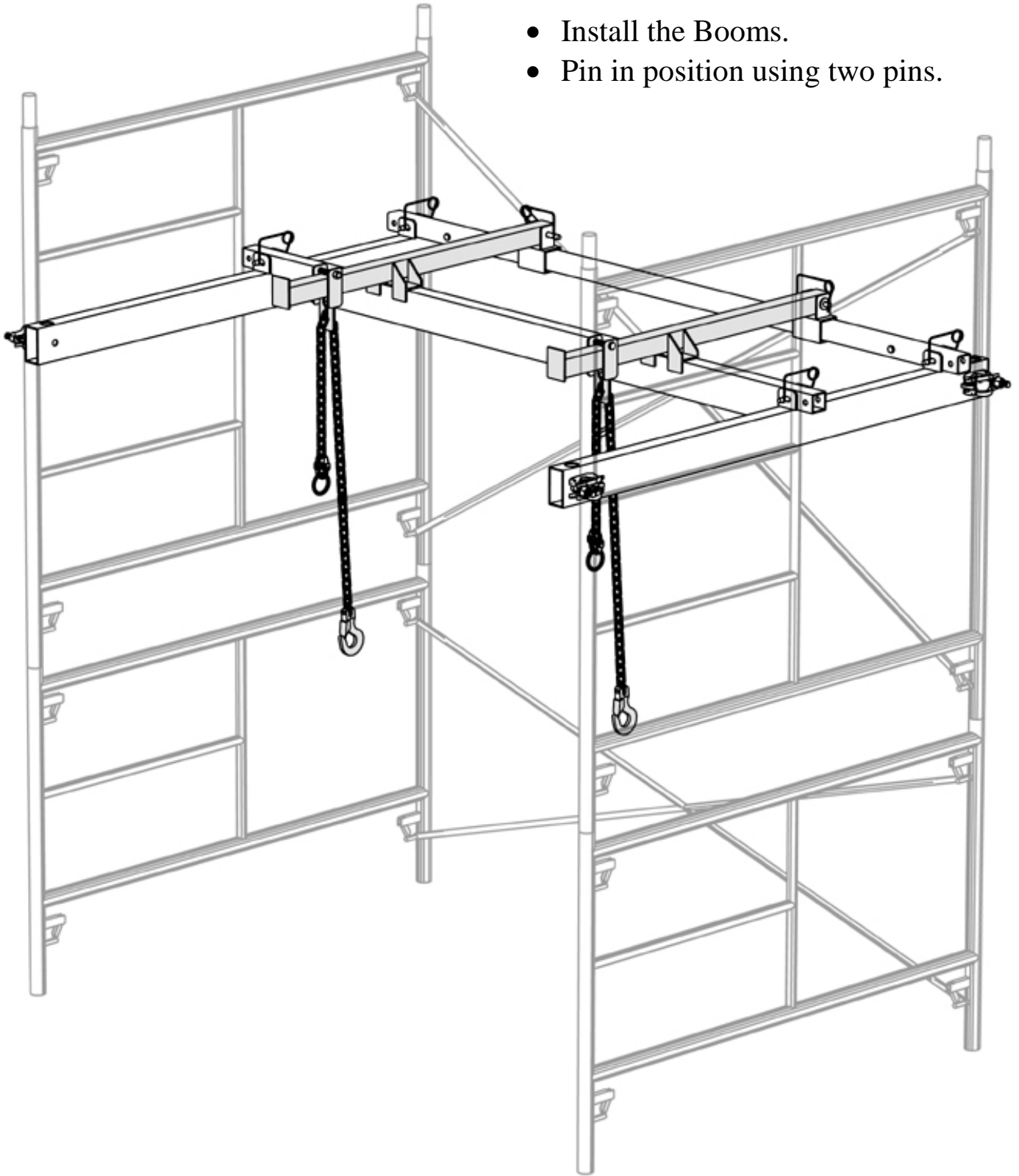


- Install the Center Beam on the End Members.
- Pin in position using two pins.



ASSEMBLE THE HOIST FRAME (continued)

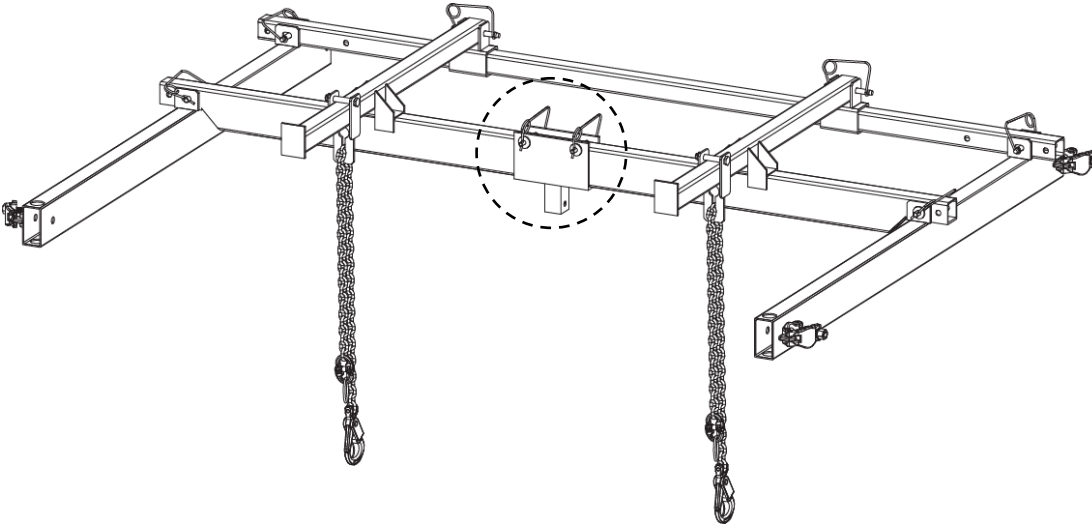
- Install the Booms.
- Pin in position using two pins.



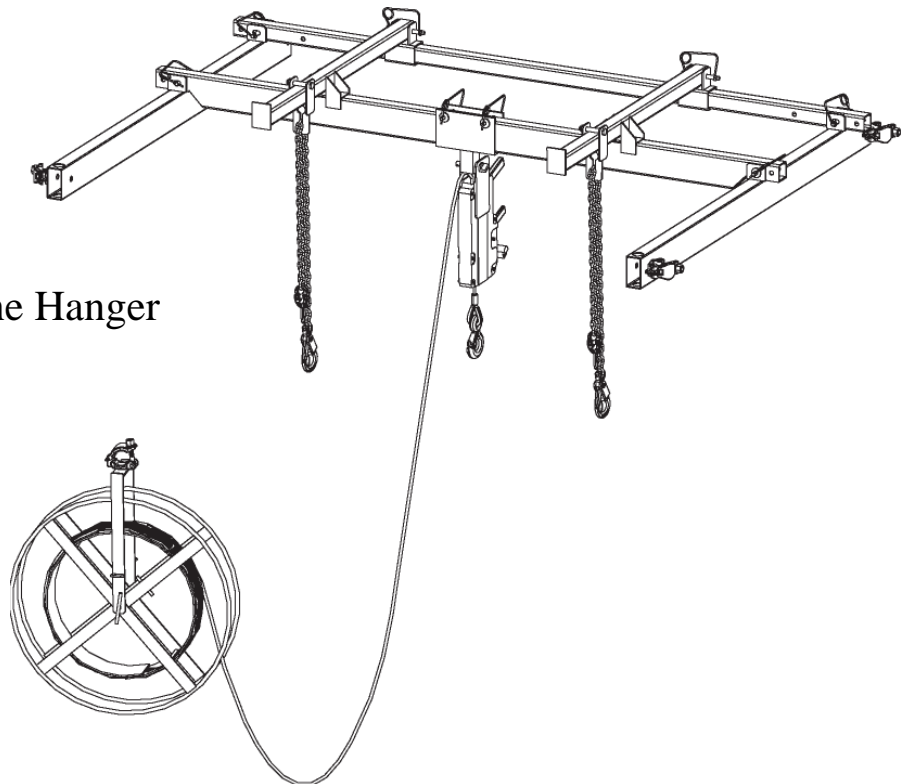
9. THE WINCH KIT (IF APPLICABLE)

PREPARATION, INSTALLATION, AND OPERATION

- Pin the Winch Hanger to the Center Beam



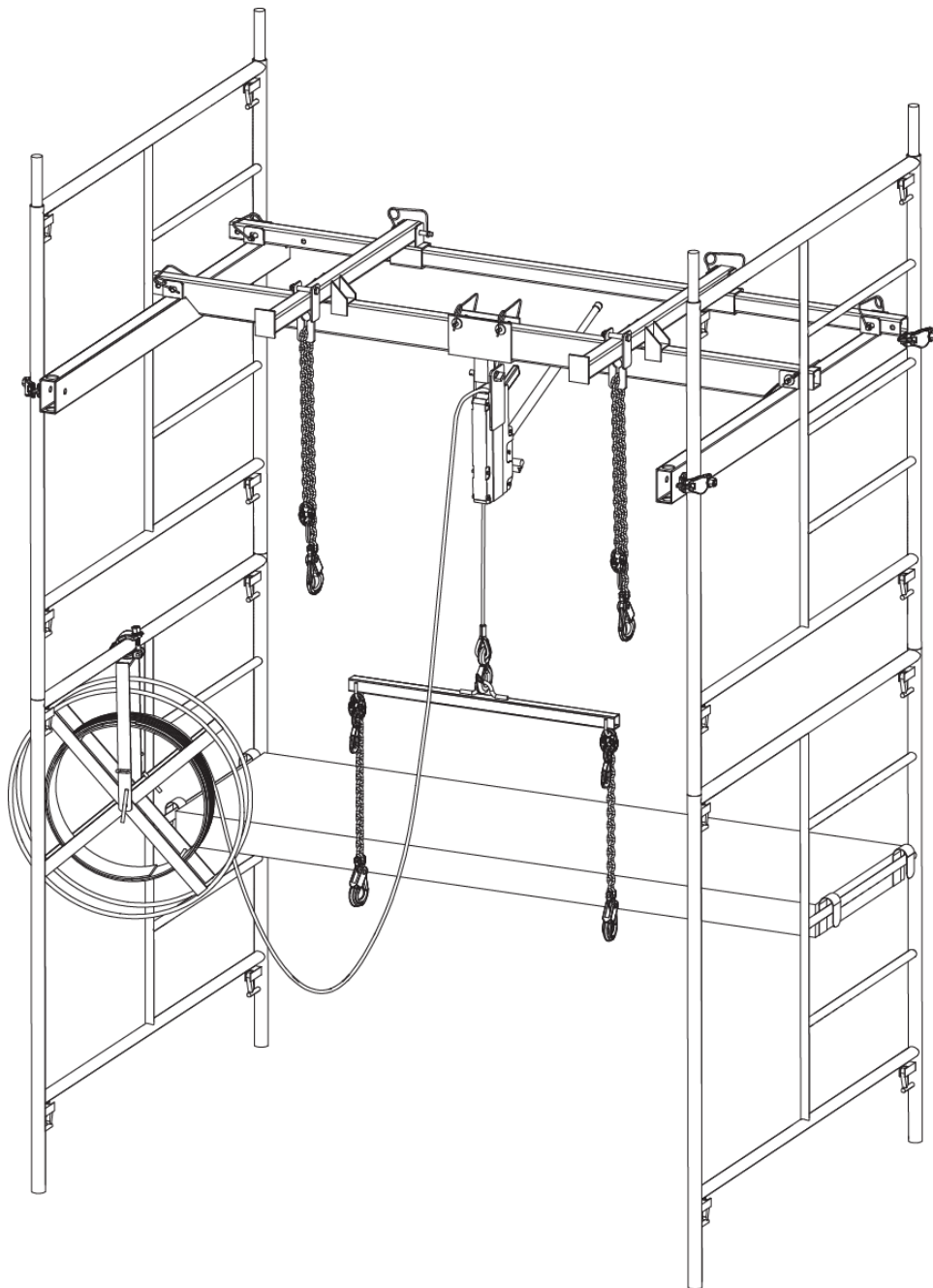
- Attach the Winch to the Hanger



THE WINCH KIT (continued)

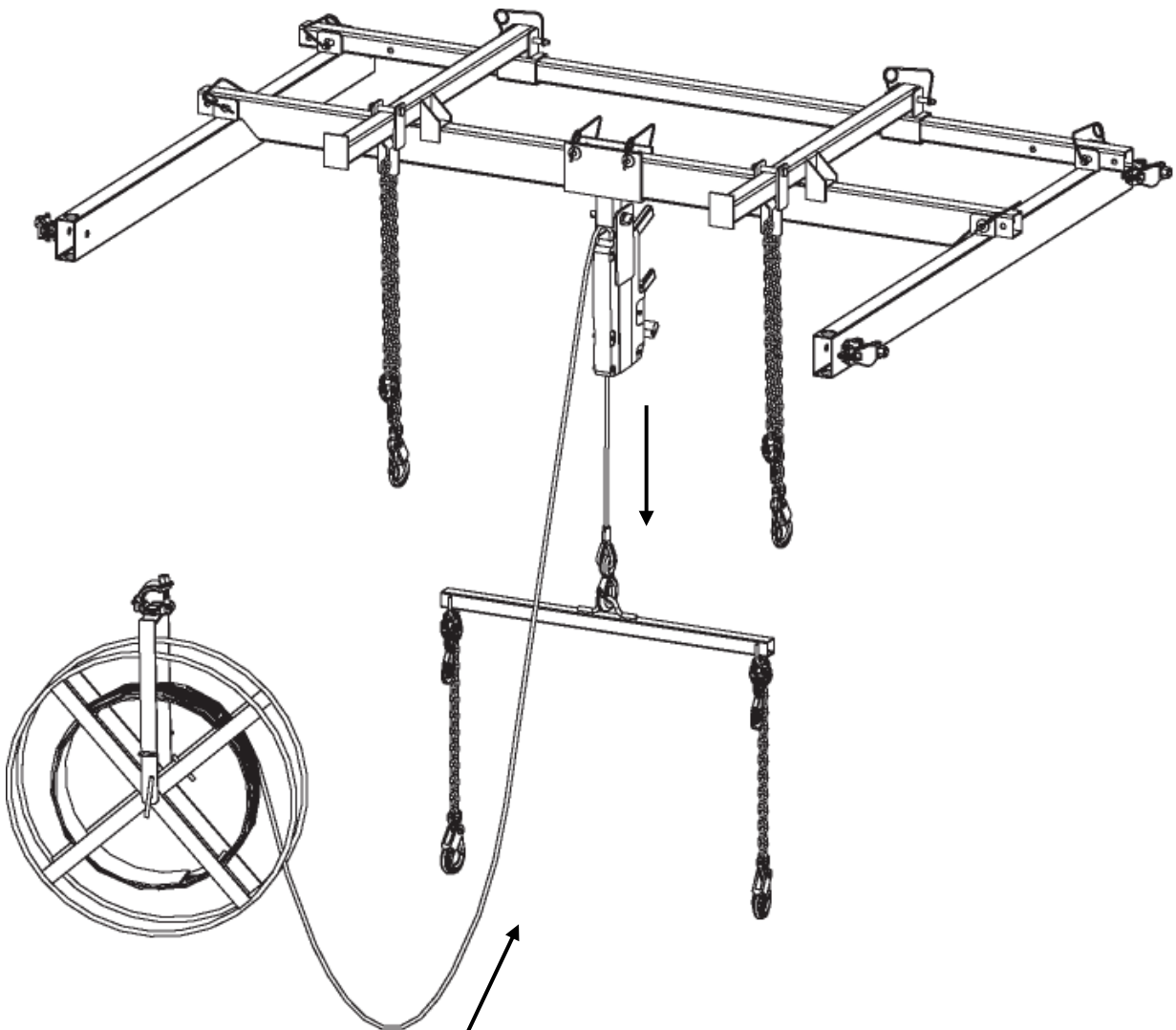
Winch Operation

- **Refer to the separate booklet entitled “Tirfor - Operating and Maintenance Instructions” for detailed instructions on the operation of the winch.**
- **Never substitute the winch cable (8.3 mm diameter) for another size or strand design.**



THE WINCH KIT (continued)

- Put on a pair of heavy work gloves.
- Engage the Rope Release Lever on the winch.
- The rope should move freely through the winch.
- Attach the cable's hook to the Lifting Bar.
- Carefully lower the lifting bar to the ground.



THE WINCH KIT (continued)

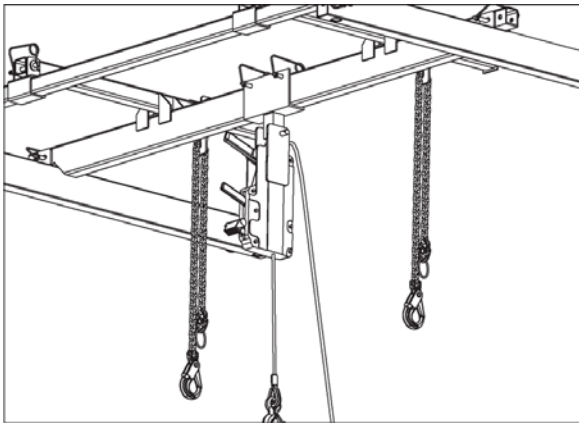
- As you lower the Lifting Bar to the ground, check the wire rope for wear & tear.
- When the Lifting Bar reaches the ground, you will be ready to raise the chutes.



- The Lifting Bar can descend quickly.
- If the descending Lifting Bar were to hit a worker or bystander it could seriously injure or kill.
- Ensure the area below the hoist is clear of workers and bystanders while the Lifting Bar is being lowered.

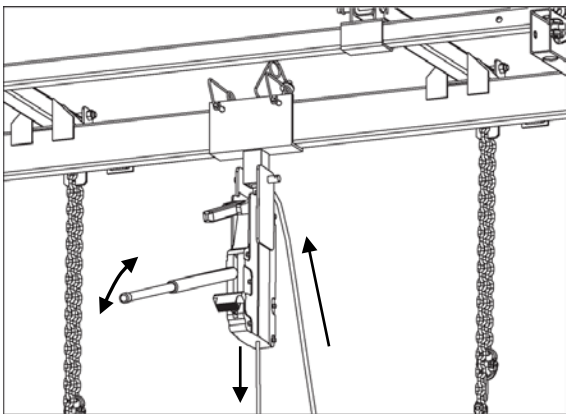
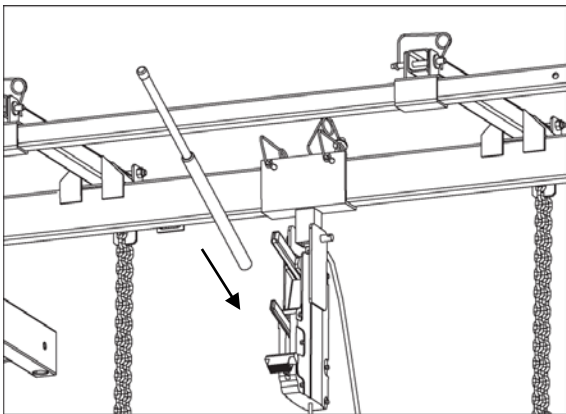
- Once the Lifting Bar is at ground level, disengage the Rope Release Lever (see separate instruction booklet).
- The wire rope should now be locked. The wire rope should not move freely through the winch.

THE WINCH KIT (continued)



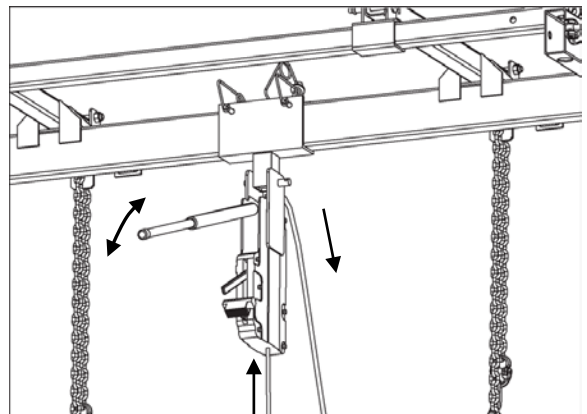
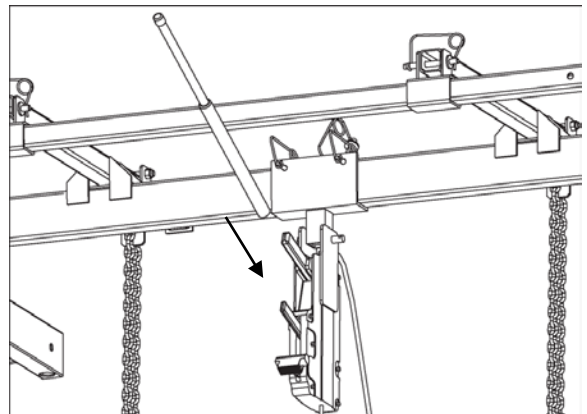
To Pay Out Wire Rope

- Attach handle to Forward Operating Lever
- Move handle back and forth
- The winch will pay out the wire rope



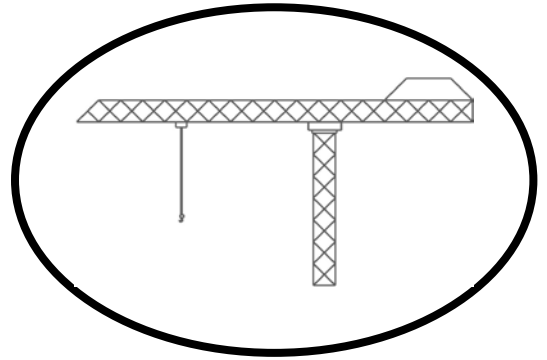
To Take In Wire Rope

- Attach handle to Reverse Operating Lever
- Move handle back and forth
- The winch will take in the wire rope



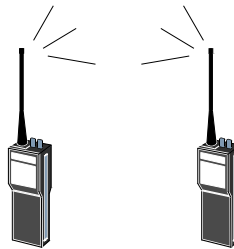
10. HOIST THE CHUTES INTO PLACE

In addition to the winch package, other lifting devices (cranes, material hoists, or boom lifts) may be appropriate for raising and lowering the chute, as long as they can safely manage the chute load. All lifting devices require the procedure shown in this section.



Communication:

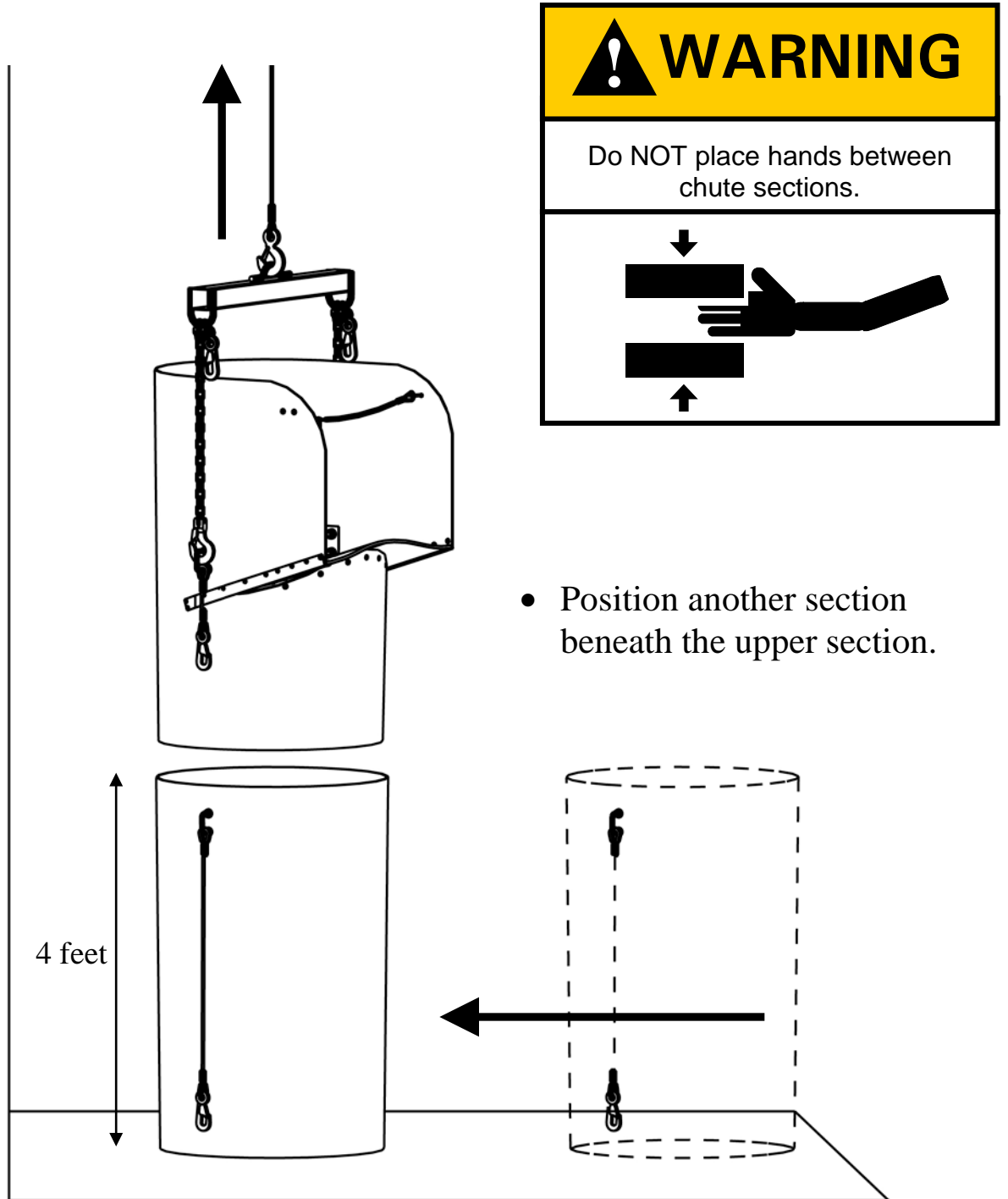
Ground-level workers and hoist level-workers should use 2-way radios (walkie-talkies) to communicate with each other.



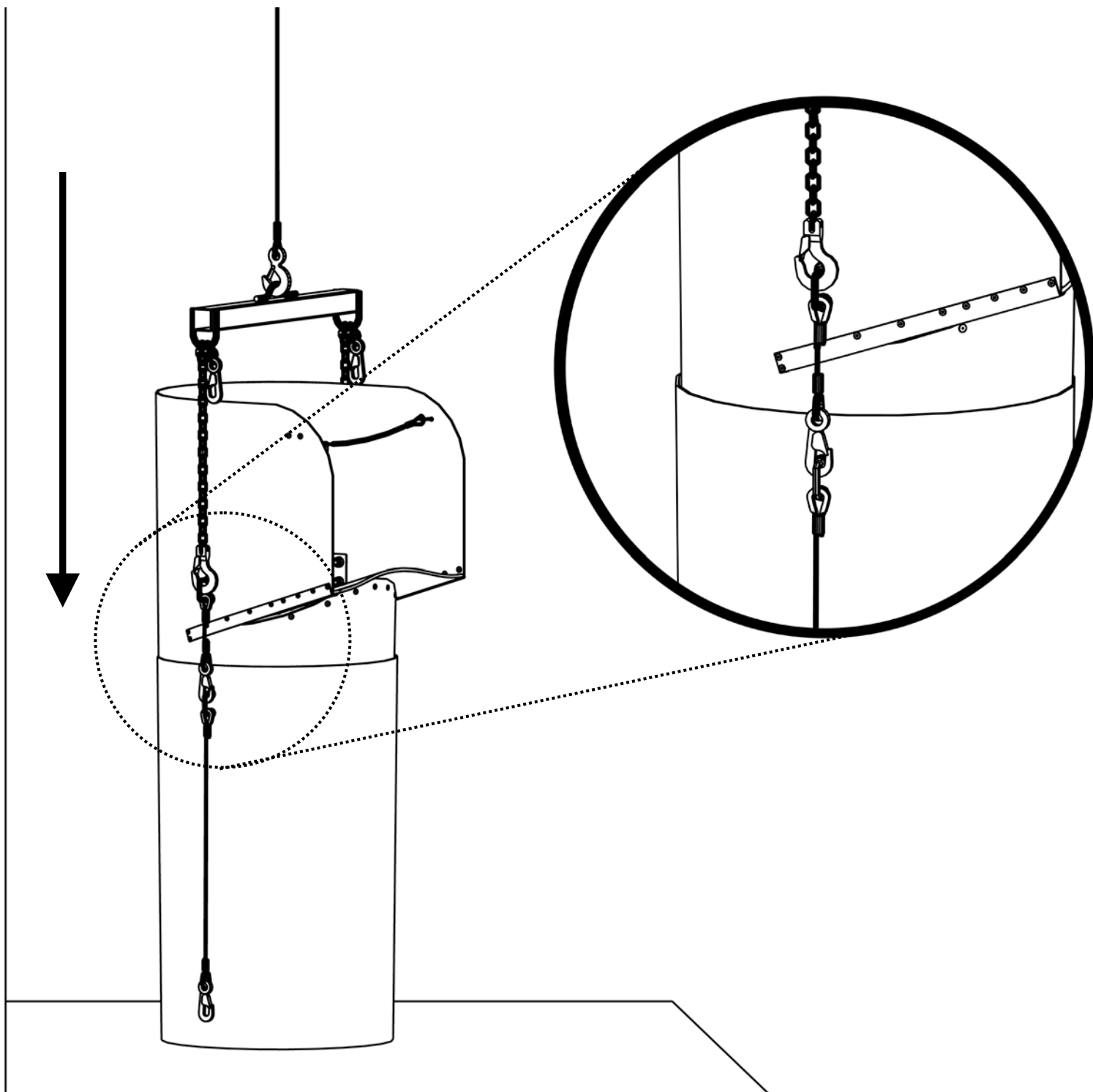
WARNING

- GROUND WORKERS MUST WEAR HARDHATS

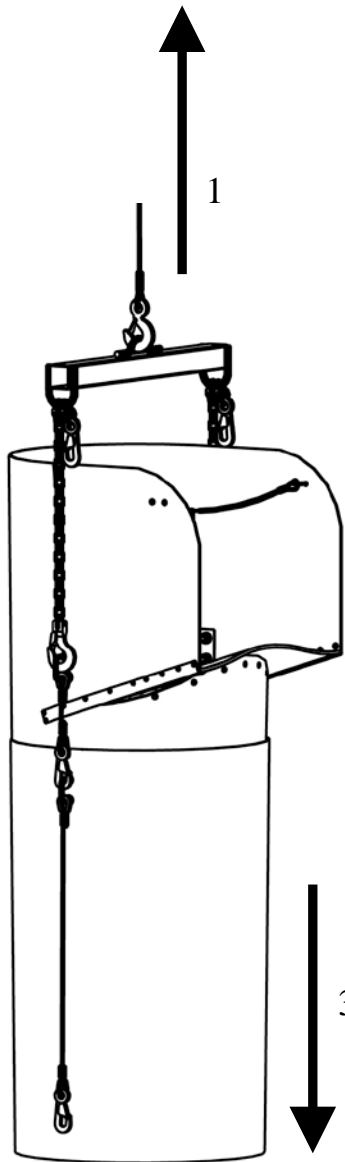
- Attach a Top Hopper section to the Lifting Bar.
- Raise the section 4 feet.



- Lower the suspended section into the section beneath it.
- Connect the two sections with the upper section's cable assemblies.

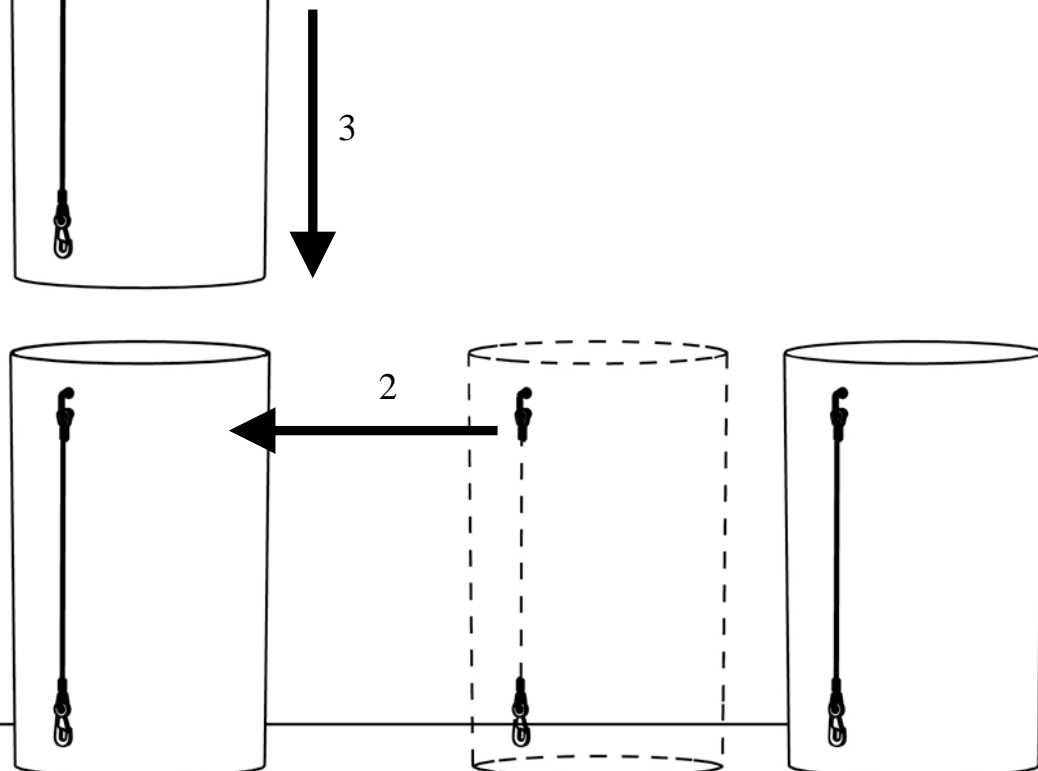


Repeat the following instructions until the Top Hopper arrives at the hoist level:



1. Raise the chute length
2. Position another section
3. Lower suspended chute & connect

Repeat the above instructions until the Top Hopper arrives at the desired level.





WARNING

- The SC-900-s Scaffold Hoist has a Working Load Limit of 900 lb. (It can safely lift, support, and lower a chute load weighing up to 900 lb).
- The support frame may fail if more than 900 lb. is applied.
- A falling chute system can seriously injure or kill.
- Do not overload the support frame. Do not lift or suspend more than 900 lb. from the support frame.
- Use the information in **Sections 5 & 6** to calculate the maximum number of Superchute® sections you can safely lift, suspend, & lower per frame.

11. TRANSFER THE CHUTE LOAD FROM THE LIFTING DEVICE TO THE BOOM CHAINS

All lifting devices require the procedure explained in this section.

1. Adjust the boom chains through the keyholes until the chain clips are level with the chute section's U-bolts.
2. Fine-tune the Top Hopper height.
3. Attach a chain clip to each U-Bolt.
4. Adjust the chain lengths.
5. **The chain lengths must be equal (count the links).** If the chain lengths are not equal the weight of the chute will be unevenly distributed on the hoist frame.
6. Attach the winch handle to Forward Operating Lever.
7. Move handle back and forth.
8. The winch will pay out the wire rope.
9. The weight of the chute will transfer to the Boom Chains.
10. Remove the Lifting Bar.

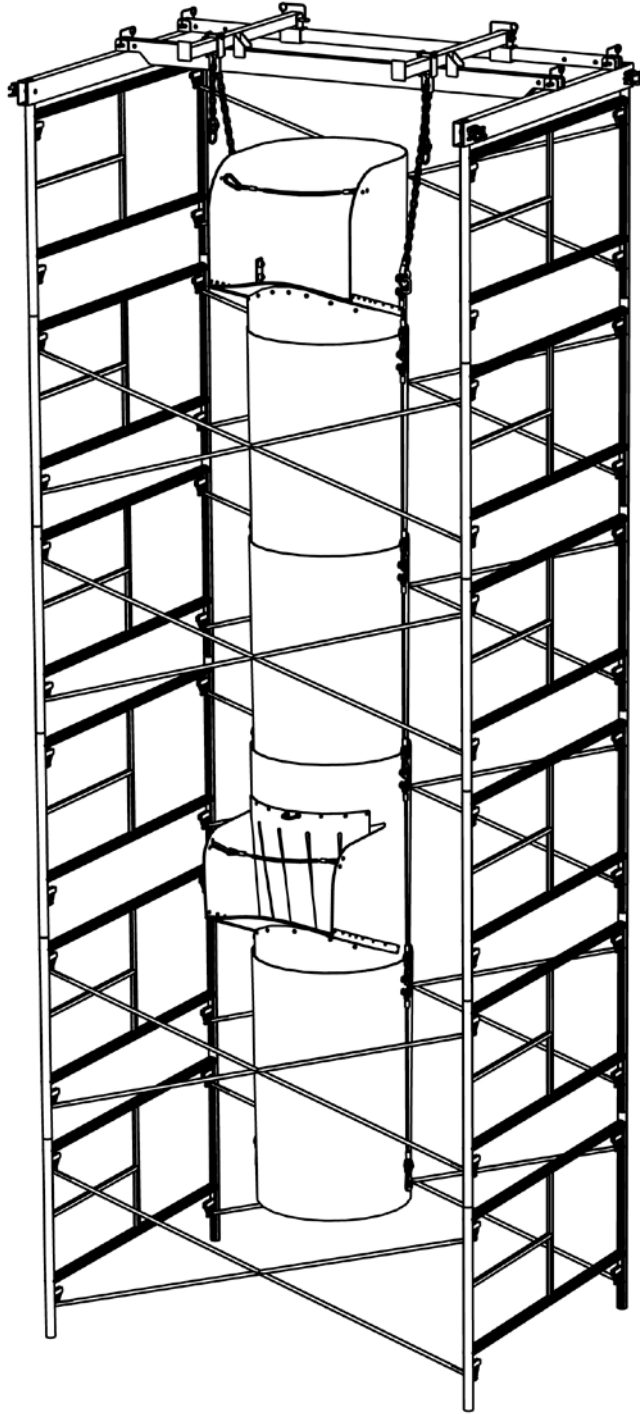
12. REMOVE THE WINCH KIT (IF APPLICABLE)

*If using a crane (or similar device), then please go directly to **Section 13**.*

1. Unhook the Lifting Bar from the winch cable.
2. Unpin the Winch from the Hanger.
3. Remove the Winch.
4. Unpin and remove the Hanger.

13. CONGRATULATIONS

The installation of your SC-900-s Scaffold Hoist is complete.



Please see the next few pages for more important information.

14. FALL PROTECTION AND THE GATEKEEPER



WARNING

- If the hoisting area does not feature adequate fall prevention barriers, a person could easily fall into the chute or fall from the scaffold.
- A fall from a height of 6 ft. is enough to seriously injure or kill.
- OSHA requires the use of fall prevention barriers along unprotected edges. The barriers must be at least 42" high, plus or minus 3". Guardrail systems, parapet walls, and window sills may be acceptable fall prevention barriers provided they meet OSHA's height and strength criteria.
- Keep the debris removal process quick and safe in areas without adequate fall protection by designating a worker as the **Gatekeeper**.
- The Gatekeeper is secured by a personal fall arrest system to an anchor that is independent of the chute system. Because he is protected against falls, he can work near the exposed edge. At a demarcated "stop line" (where there is no risk of falling over the edge), the Gatekeeper receives full buckets of debris from unprotected workers. He empties the buckets into the chute and returns them in exchange for full ones.

15. RAMPS



WARNING

- A ramp resting on the hoist frame could greatly increase the loading on the hoist frame.
- The load increase could cause the hoist frame to fail.
- Do NOT rest ramps on the hoist frame. Do NOT attach ramps to the hoist frame.
- Ramp designs must be approved by a structural engineer.

16. HOW TO DISMANTLE THE CHUTE & HOIST

Remove The Chute Sections Using Either The Winch Or A Crane

1. Attach the hoist cable to the Lifting Bar.
2. Connect the Lifting Bar to the Top Hopper's U-bolts.
3. Raise the chute slightly so as to release the load from the boom chains.
4. Unclip the Boom Chains from the hopper.
5. Slowly lower the chute. Two men on the ground must remove sections as the chute descends.
6. A supervisor on the ground must be in radio contact with the winch/crane operator so as to obtain the desired descent speed.
7. Spool the cable back onto the reeler & remove the Winch (if applicable).
8. Dismantle the SC-900-s Scaffold Support Frame.

The de-installation is complete!

Call Superchute if you have any questions:

1-800-363-2488

APPENDIX A: WARRANTY

Superchute® chute hoists are made for heavy wear, but like all tools, time and use will take its toll. There is no warranty for wear and tear, or misuse of the hoist. Superchute® warrants all products against manufacturing defects, which must be reported in writing to Superchute® Ltd. upon receipt of goods. Thorough overhaul servicing is offered by Superchute® Ltd.

APPENDIX B: STAY INFORMED

The Superchute® factory sends out regular notices regarding new products, changes, recalls, and upgrades. Stay informed by filling out the form below and sending it in. Please feel free to enclose any other comments. Thank you for choosing Superchute® Ltd.

Your Name: _____	E-mail address: _____
Company: _____	Website: _____
Address: _____	
Phone: _____	
Fax: _____	
Number of chute sections owned: _____	
Diameter(s) of the chute sections: _____	
Date(s) of purchase: _____	
Name of the Supplier: _____	
Number of chute hoist(s) owned: _____	
Models and Serial Numbers: _____	
Date(s) of purchase: _____	
Name of the Supplier: _____	

Fax to: 514-365-8987, or mail to: Superchute® Ltd., 8810 Elmslie Road, Montreal, QC, Canada, H8R 1V6

APPENDIX C: PARTS LIST & FACTORY CERTIFICATE

SCAFFOLD HOIST MODEL SC-900-s

1. Frame Components

Quantity

Factory

Office
Initials:

	Quantity	Factory	Office Initials:
End Member	2		
Rear Beam length: 5' 7' 10'	1		
Center Beam length: 5' 7' 10'	1		
Booms with chains	2		
½" diameter locking pins	6		
½" diameter locking pins - SPARE	2		

2. Hoisting Components

Hanger for Winch	1		
Tirfor T-508 winch + Handle + 150 ft cable + Booklet	1		
Reeler	1		
Reeler Yoke	1		
½" diameter locking pins	2		
Light Duty Lifting Bar (WLL 1000 lb.)	1		

APPENDIX D: TEST CERTIFICATE

I _____ certify that 3 tests (see below) were performed on the enclosed hoist:
use capitals

1. The Frame was fully assembled and checked.
2. The Winch Kit was attached to the frame & proof tested to 900 lb.
3. The Boom Chains were proof tested to 900 lb.

Serial Number(s):

signed: production crew member

date

PHOTOCOPY THIS PAGE AND ATTACH TO CLIENT'S FILE

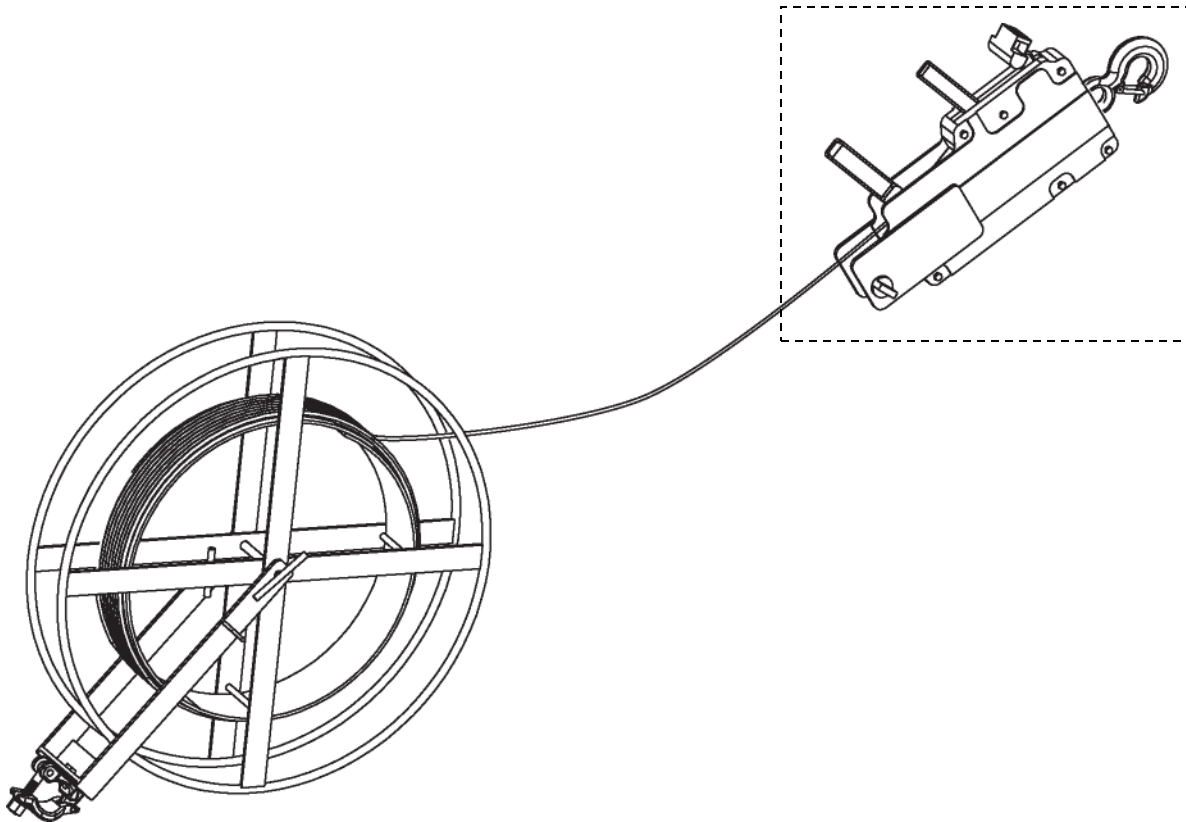
APPENDIX E: GLOSSARY

- Breaking Strain:** The average load at which a new component (for example: a cable or chain assembly) will fail. The breaking strain is obtained by applying direct tension to a component at a uniform rate of speed, in a testing machine.
- Chute:** A series of linked chute sections that are used to convey debris.
- Chute Hoist:** An engineered device that has been designed specifically to raise, anchor, and lower a chute. A chute hoist consists of a support frame and a detachable winch apparatus. The support frame, without the winch, can still be referred to as a chute hoist.
- Chute Sections:** Modular conical tubes that can be linked together in series to form a chute.
- Chute System:** A suspended chute and the anchors (including chute hoists) that support it.
- Design Factor:** Also known as the “safety factor”, it is a product’s theoretical reserve capacity. The design factor is calculated by dividing the Breaking Strain by the Working Load Limit. The design factor is generally expressed as a ratio, for example: 10 to 1, or 10:1. The design factor of the SC-900-s Scaffold Hoist is 3 to 1.
- Users:** The term “users” includes planners, supervisors, installers, and end-users of the chute hoist.
- Working Load Limit:**
The maximum load which can be applied to the component, when the component is new, or in “good as new” condition, and when the load is applied in the intended manner. This term can be abbreviated to WLL.

The Working Load Limit of the SC-900-s Scaffold Hoist is 900 lb.

APPENDIX F: WINCH INFORMATION (IF APPLICABLE)

If a Winch Package is part of your SC-900-s Scaffold Hoist, then the following information applies:



The winch is a traction-style cam winch.

Winch manufacturer:	Tractel Group
Telephone (Canada):	(800) 561-3229
Telephone (USA):	(800) 421-0246
Winch model:	Griphoist [®] -Tirfor [®] T-508
Cable specification:	8.3 mm diameter, 45 meter length (150 ft)
Further information:	Consult the separate booklet for more information on the winch.