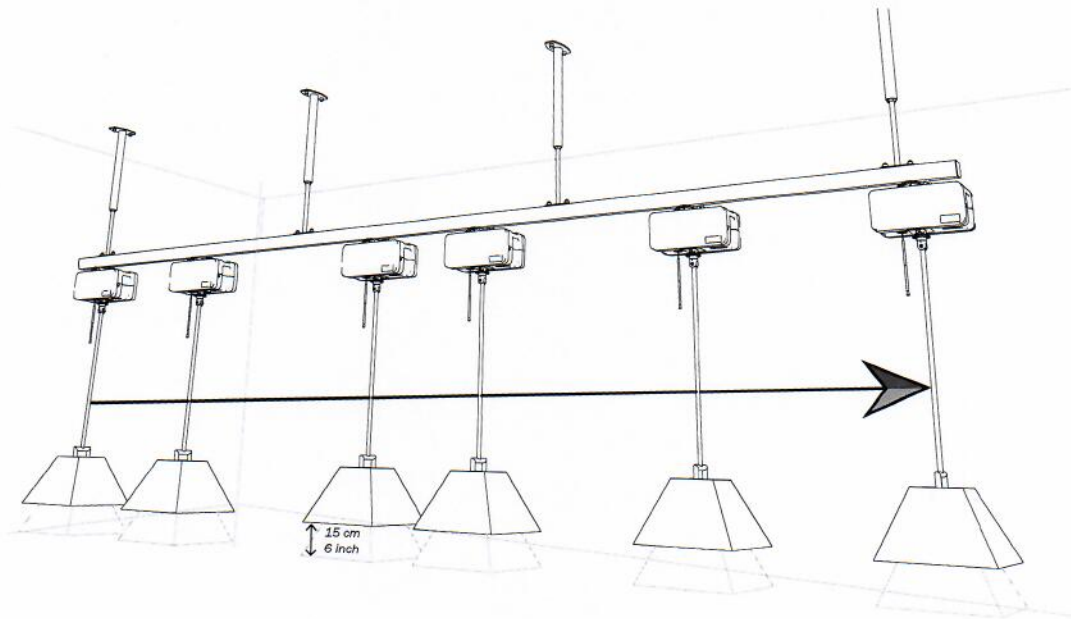


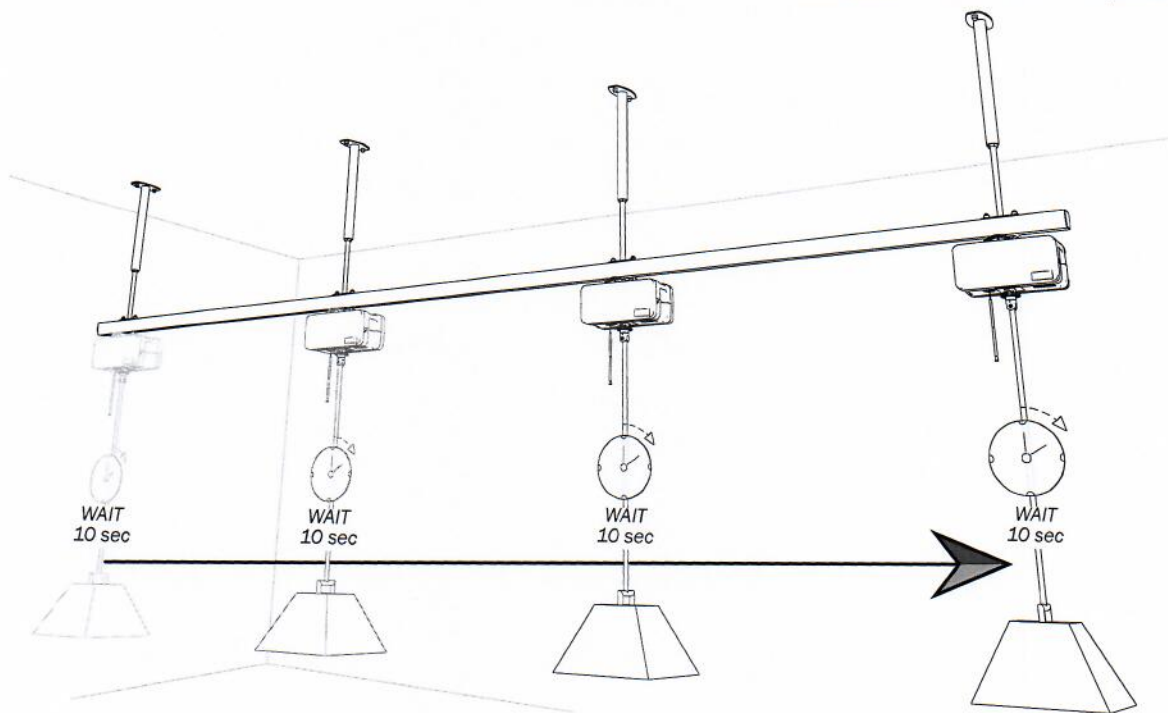
# 5. Final Installation Procedure

## 5.1 Load test: Single Rail System

After finished installation a load test (according to ISO 10535:2006) must be performed. Maximum Safe Working Load shall be applied on all mounted attachments. Perform at least six lifts (lift height approx. 15 cm/6 inches) SWL at min. 6 randomly selected points along the rail. Travel as the arrowed line shows in picture.

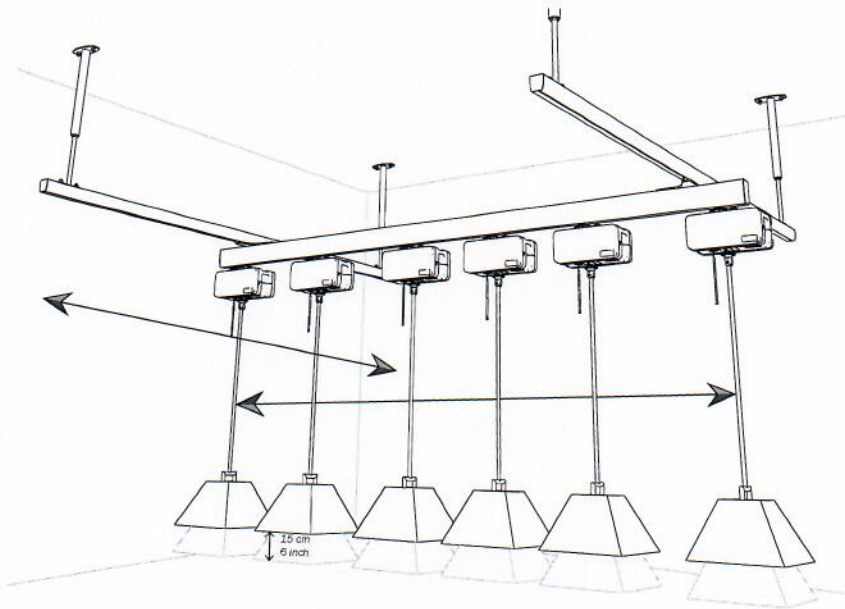


Lift the load approx. 15cm to apply the maximum load. Travel the applied load along the rail from one end stop to the other end stop, with a 10 second pause under each attachment point. Travel as the arrowed line shows in picture.

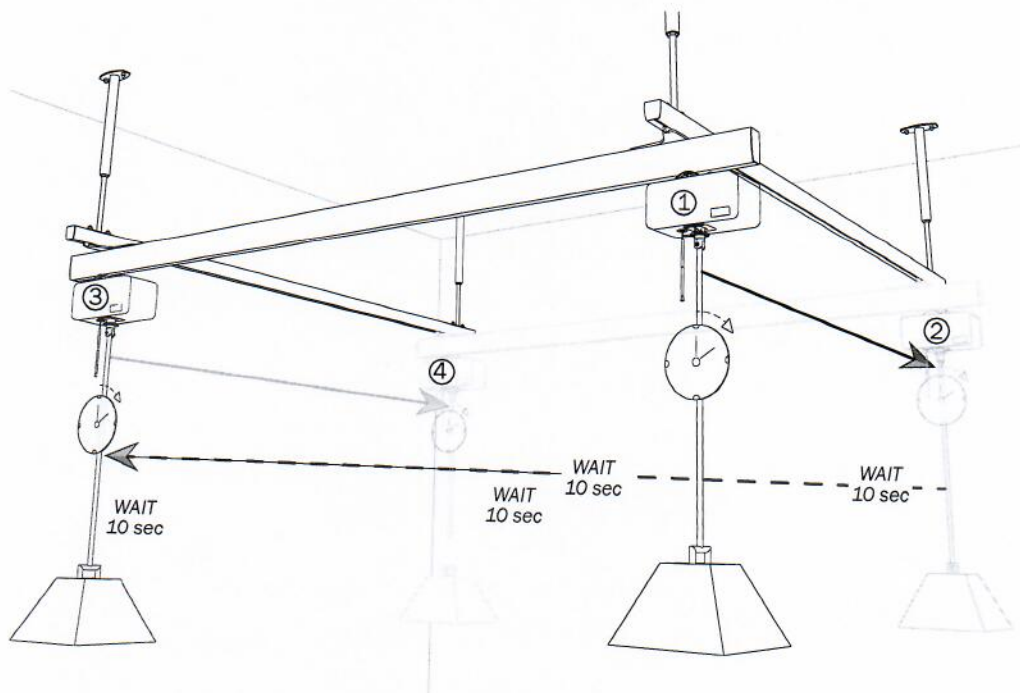


## 5.2 Load test: Traverse Rail System

After finished installation a load test (according to ISO 10535:2006) must be performed. Maximum Safe Working Load shall be applied on all mounted attachments. Perform at least six lifts (lift height approx. 15 cm/6 inches) SWL at min. 6 randomly selected points along the rail. Travel as the arrowed line shows in picture.



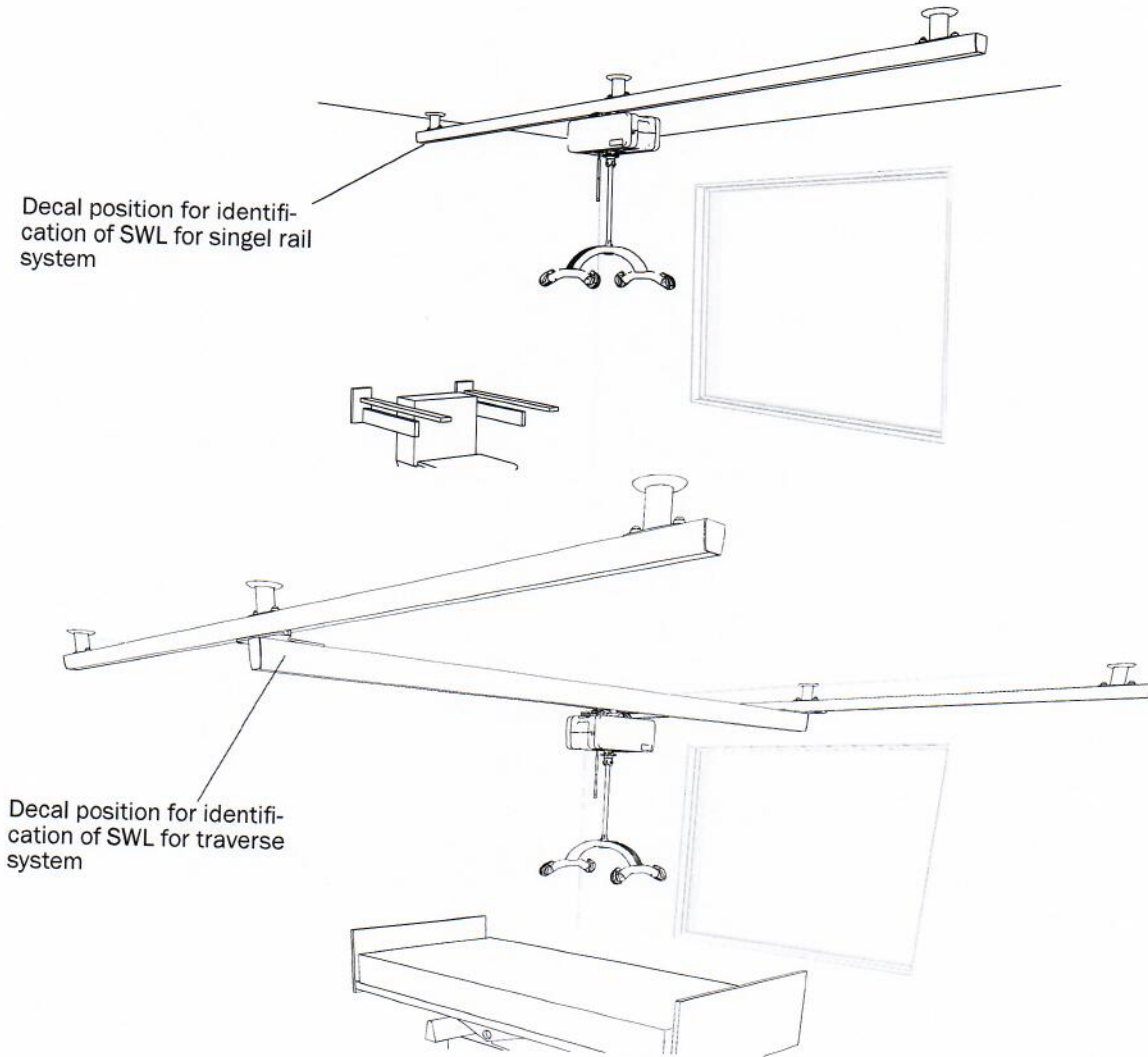
Apply the maximum load for the installed overhead rail system. Place the carriage with the applied load at the end stop of the secondary rail(1). Move the secondary rail, with a pause under each attachment point, from one end stop to the other end stop of the first primary rail(2). Continue by moving the applied load diagonally through the centre of the system over to the other side(3), as the dashed line shows. Now continue by moving the secondary rail with the applied load, with a pause under each attachment point, from one end stop to the other end stop of the second primary rail.(4)



### 5.3 Identification

After an approved test load procedure the overhead system is ready for identification marking. This marking is made with a decal rail marking on which the maximum load is to be stated. The decal must be placed clearly visible on the rail in the system to which the lift motor is attached. When a Periodic Inspection of the system is performed a test symbol will be placed in the circular area on the rail decal marking. A Periodic Inspection of the overhead system must be made at least once a year.

SWL labels are supplied together with end stop. art 1109014



### 5.4 Installation Certification

After approved functional and maximum load test the installation will be finalized by the issue of Checklist for installation of Molift Rail system as an installation certificate. The installation certificate has to be issued by installation personnel authorized by Etac.



Molift Rail System installed by authorized personnel. Periodic  
 Date: Etac Molift Service ID SWL:  kg inspection  
 ..... (6 digits):.....  lbs performed



---

## 6. Installation instructions



Only personnel authorized by Etac can perform installation of the Molift overhead system and issue the installation certificate, all in accordance with Etac's installation instruction and this handbook.


**molift**<sup>®</sup>  
a part of Etac

# 7. Maintenance

Periodic inspection of the rail system should be undertaken at least once a year to ensure that the device operate properly and safely.

## Periodic inspection Checklist

When performing a periodic inspection, the inspector shall fill out the inspection report for Molift Rail System. The reports should be retained by the person(s) responsible for servicing the hoist. If the inspection reveals defects and damages, the owner shall be notified and a Non-conformity report should be sent to Etac. A new periodic inspection must be performed after repair.



In the event of damage that jeopardizes the safety of the patient, the rail system shall immediately be taken out of service and marked clearly with "out of order" and shall not be used until the rail system is repaired

When periodic inspection is completed the inspector shall mark the hoist with a sticker on the control label showing the date when periodic inspection is performed, and this will then indicate when next service should be performed.


## Checklist after Service and Repair

Use the checklist to verify that the rail system is properly installed safe before use. Document the job by signing the

## Service Log

Defects and damage of importance to the safety of the Rail system which have occurred between inspections and have already lead to corrective actions should be entered in the Service logbook. A record of the date of inspection of the hoist and inspection result should be noted in the logbook together with a short description of the incident and the signature of the inspector.

This will enable the owner and service partner to see previous history for the rail system and in that way maybe making future fault finding and repairs easier.



**molift**  
a part of Etac  
www.etac.com

Molift Rail System installed by authorized personnel.


Date: ..... (6 digits):.....

Etac Molift Service ID

(6 digits):.....

SWL:  kg  lbs

Periodic inspection performed



Mark label with month and year of inspection

Any Service or Repair should be documented in the service log, and verified by using the Checklist after service and repair.

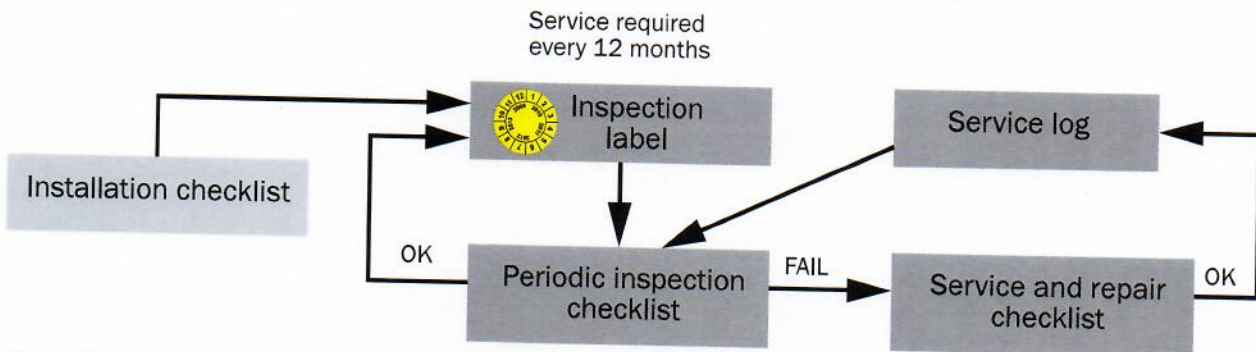


Figure: Documentation of maintenance flow chart.

## 7.2 Checklist for installation of Molift Air or Molift Nomad in rail systems from other manufacturers

Customer:

.....

Room number / Section:

.....

### Checkpoints

N/A OK

- Verify that the lifting capacity of the Molift lift unit does not exceed the marked SWL for the existing rail system
- Test, assess and verify that the existing rail system has safe end stoppers mounted
- Functionally test, assess and verify that the Molift lift unit runs under load (SWL) through the complete rail system
- Functionally test, assess and verify that the Molift lift unit runs under load (SWL) through the existing switches in the existing rail system:
  - Traverse switch
  - Rail switch
  - Turntable
- The owner of the OH products for the mixed setup are responsible for the product mix.
- Location, date and Signature and valid Service ID of the Etac representative.



All parts and components which before, during or after installation are damaged, deformed or are otherwise defective must be replaced or repaired before the system can be brought into use!

### Performed by

Installation must be performed by a person who is certified by Etac education.

Date/Place:

.....  
Signature:

.....  
Etac Molift Service ID (6 digits):

.....  
Comments: