



**TECHNOCRAFT**  
INDUSTRIES INDIA LTD.

**MÄCH**  
SCREEN

# SELF-CLIMBING SCREEN SYSTEM



QUICK



SAFE



ROBUST



# MÄCH SCREEN - SELF-CLIMBING SCREEN SYSTEM

## ■ ■ INTRODUCTION

**MachScreen Self Climbing System** is an innovative edge protective system which can be easily self-climb whenever needed. It protects workers from fall, weather conditions & also provides a practical working platform that extend beyond the edge of the slab.

## ■ ■ KEY FEATURES

### **Safety & Protection**

Enhanced public and on-site safety as a result of the workspace's complete enclosure. Multiple floor protection solutions with a vertical extension option.

### **All Around**

With a range of shield possibilities composed of formworks, grids, or panels that are translucent, solid, or perforated. The system is lightweight and can be easily uplifted to the next level saving your most valuable time.

### **Economical**

Low dead weight of the system ensures smooth and hassle-free assembly, contributes positive on overall efficiency and profitability of your site. Space required for the storage is significantly lesser as compared to the other system. Pre-assembly of the system can be provided for projects having complex & constrain space availability.

### **High live load capacity**

Best in the industry live load capacity up to 3.0 kN/sq. meter

### **Quality product**

Safety screens offered are of high-quality standards that are designed, durable, resilient and reliable for construction sites. The frame is made up from SHS, ISMC & ISA. Anti - Skid platforms are used as walking platforms which enables people to work freely and provide safety. 600mm to 1200mm clear working area can be given.



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## **Customization of product design**

Based on the project and site requirement, the company manufactures products accordingly, to meet the safety criteria of the industry. Additionally, the products can be customized with a choice of sheeting materials to suit the weather conditions at the site.

## **Reusable products**

One of the most unique features of the safety screens is that they are reusable. The products are designed with 85% reusability components for multiple projects usage.

## **Practical working environment**

The safety screens offered secures the site and makes the place accessible and safe for people to work. The products foster a secure and peaceful working environment at construction sites all time.

## **Pre-assembled Delivery**

The products are designed innovative for quick assembly at the site. So, the modular products that are supplied are pre-assembled to ensure maximum productivity and minimum time consumption for assembling at the site.

## **Printable screen sheets**

The safety screens offered are printable and can be used as a combined marketing and safety equipment at the construction site. This innovative two in one product gives an opportunity for self-promotion at the site of work.



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## ■ ■ TECHNICAL DATA

Discription	Self Climbing System
Dimensions	10 m Width X 13.5 m Height
Floor Level	2.9m To 3.2 m
Platform Size	0.6m Width X 2.5 m Length / Can be customized
Weight	Approx.48 kg/sq.meter
Panels	Painted perforated sheet
Application	From second floor
Suitability	Variable building shapes
Handling	Self climbing hydraulic / Crane Lifting
Live Load	1st Platform - 0.75 kN/sq.meter
	2nd Platform - 3.0 kN/sq.meter
	3rd Platform - 3.0 kN/sq.meter
	4th Platform - 15 kN/sq.meter

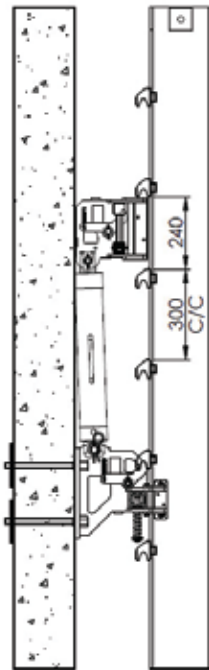
## ■ ■ SYSTEM CHARACTERISTICS

Discription	Specification
Skeletal Structure	All load bearing tubes are made of SHS & RHS Hot dip galvanizing. All tubes are of Yst 420 grade confirming to EN10219
Frame Jointing	Grade 8.8 bolts with Double washer & Nut electroplated
Platform	Steel Walkway Planks, HDG/Painted
Platform Unit for Ducts	Steel Walkway Planks, HDG/Painted
Purlins	Square Tubes, made from HDG/Painted
Bolts	Gr.8.8 electroplated for connecting purlins & platform units to main skeletal frame
Screen	Self tapping screws
Screen Fixing	0.8mm Thk perforated sheet having Ø10.mm x 15mm triangular pitch. Surface finish - Blue Painted/powder coated
Tie Rods	Ø16mm St52/En8 Grade or equivalent
Anchor Nuts	Swivel Plate with Minimum Ø90mm

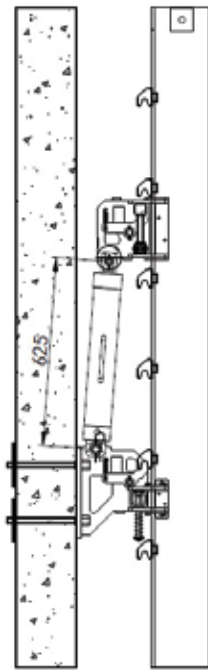


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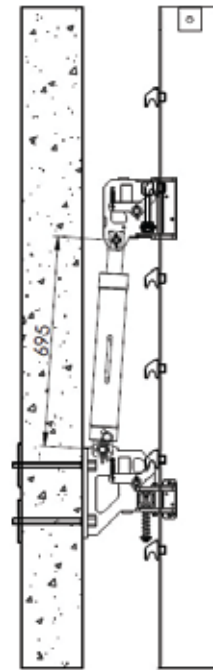
## ■ ■ HYD. CYLINDER OPERATING SEQUENCE FOR A FLOOR-TO-FLOOR HEIGHT



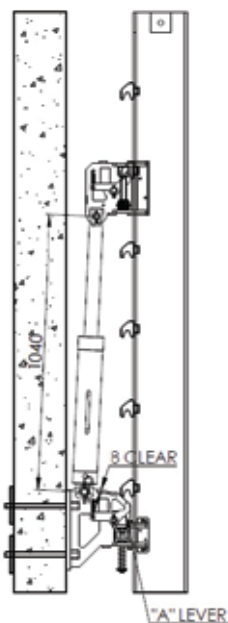
1) TOP BRACKET & ASSEMBLY  
WITH I BEAM



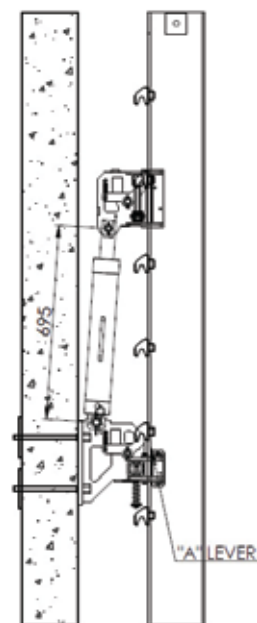
2) IDEAL POSITION



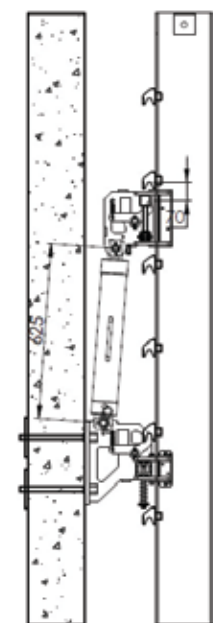
3) STROKE FOR  
LIFTING



4) A FULL STROKE IS REQUIRED  
TO PASS THE LEVER "A"  
FROM THE HOOK



5) PULL BACK TO REST ON  
LEVER "A"



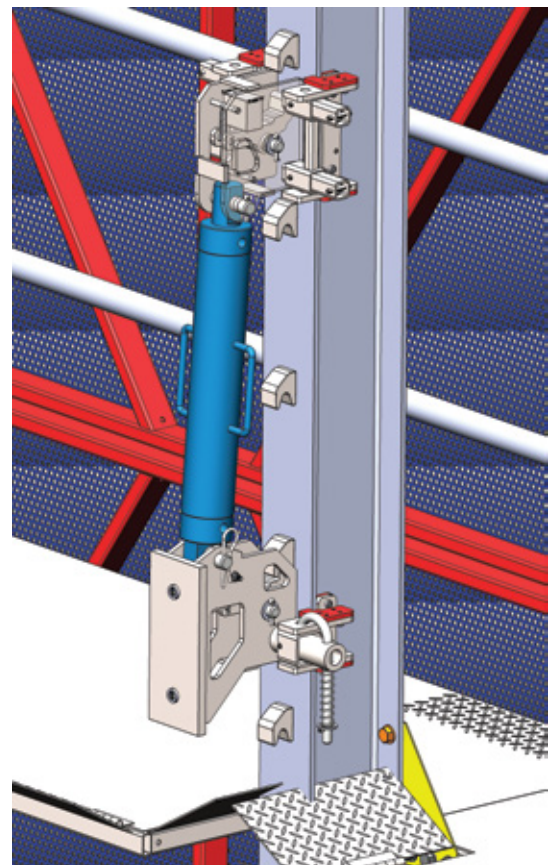
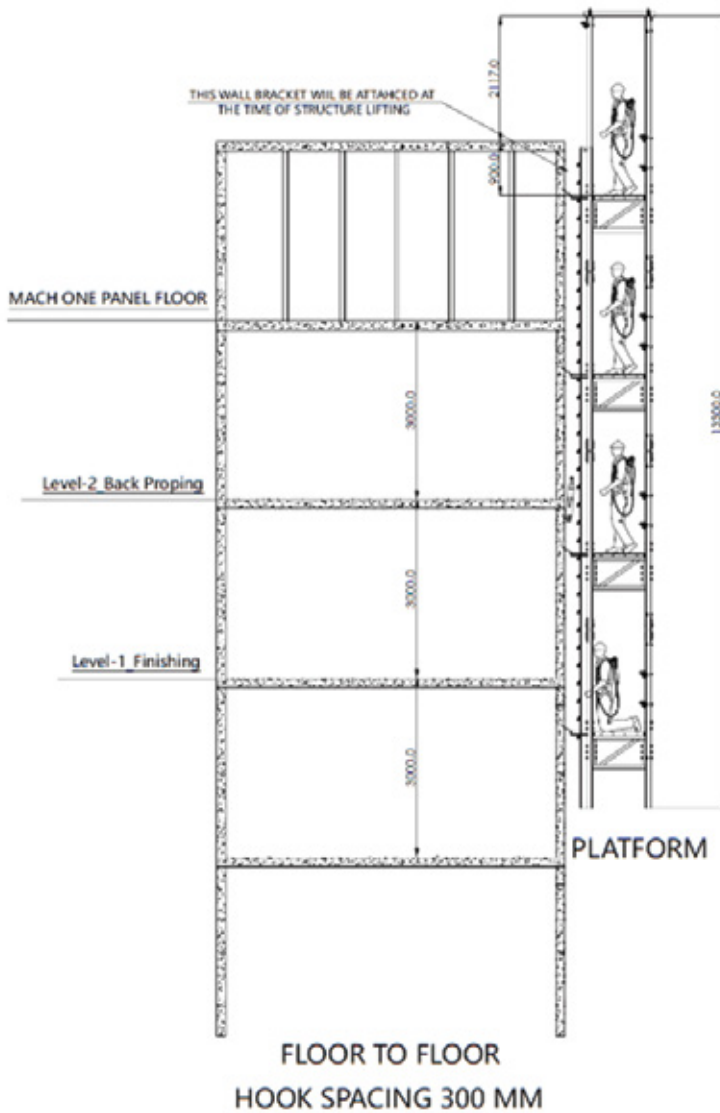
6) IDEAL POSITION





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## SELF-CLIMBING UNIT & TYPICAL SCHEME

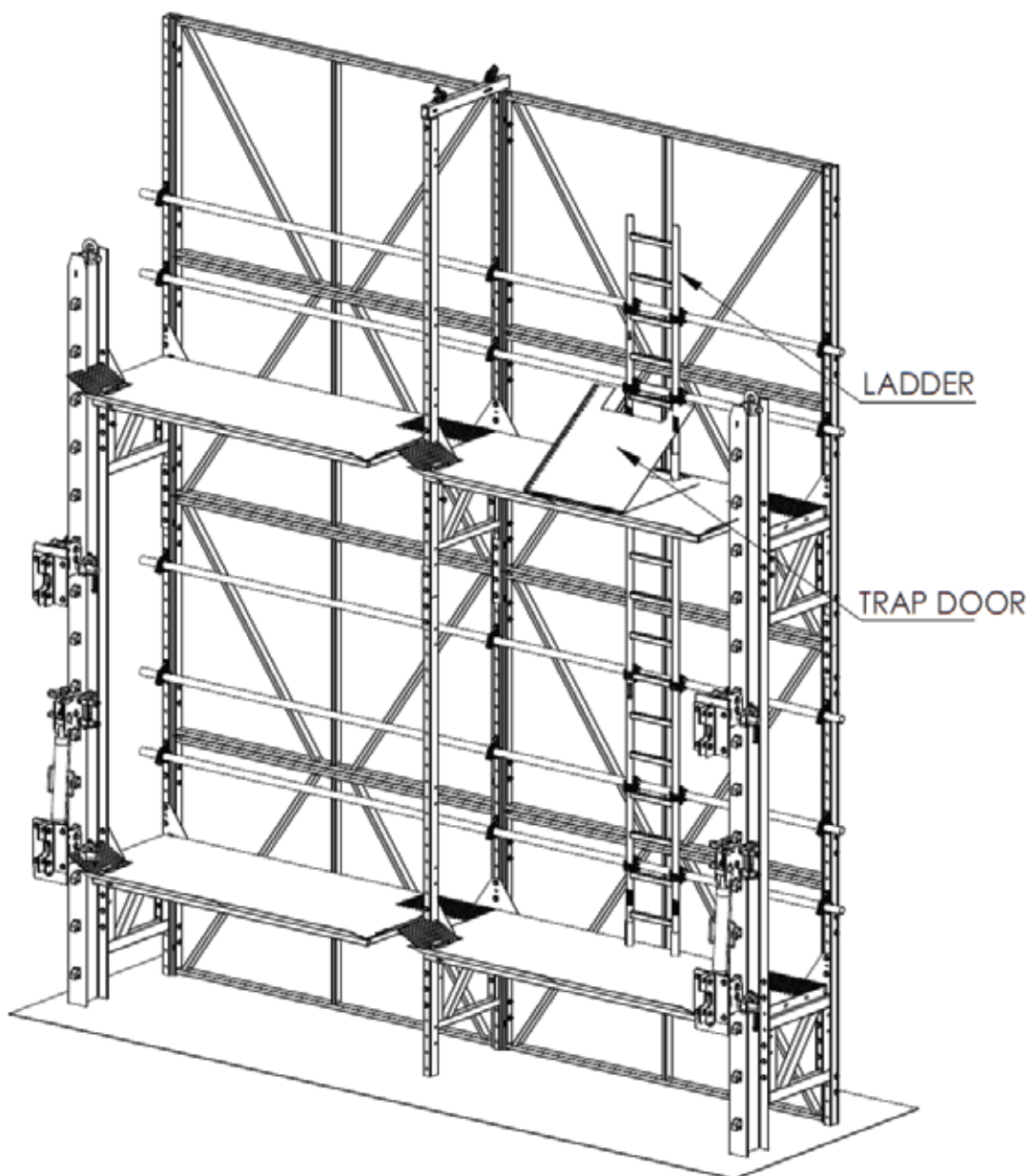




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## ■ ■ ACCESSIBILITY THROUGH TRAP DOOR & LADDER

The MachScreen Self-Climbing system provides very easy to use accessibility between the floors for the site personals, leads to improve overall productivity of the site and efficiency. The trap door arrangement has been provided in between platform and ladder is provided between the trap door area as shown in scheme.





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# MÄCH SCREEN - SELF-CLIMBING SCREEN SYSTEM

## OVERSEAS DISTRIBUTION CENTERS

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**AAIT/Technocraft Scaffold Distribution LLC**

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