2020 Changing Places Specification Guide

HLS Healthcare

Changing Places
Transforming Lives

HLS Healthcare is the largest official Changing Places and Accessible Adult Change Facilities installer in Australia.

National Changing Places and Adult Change Facilities Network includes:

MCG - Melbourne Cricket Ground
Melbourne Zoo
Crown Casino *(Pending)*
Hamer Hall
Mullum Mullum Stadium
Nobbys Beach, Phillip Island
Oak Park Sports Aquatic & Community Center
Penguin Parade
Portland Changing Places
Portable Changing Places (shipping container)
Simonds Park *(Accreditation TBC)*
Simonds Stadium
Somerville Recreation & Community Centre
St Kilda Life Saving Club
Tarneit Community Learning Centre
Westmead Childrens Hospital
Bayfit Leisure Centre
Cambelltown Memorial Oval Sports Hub
Geelong NDIS Office
Casey Hospital expansion
Casey Indoor Leisure Centre
Fraser Street Public Toilets
Healesville Sanctuary
Henley Square
High Street Carpark - Echuca
Hume Golbal Learning Centre
King Street Reserve
Lightsview Recreational Hub
Maude Street
Aquamoves

.. and many more

VIC | NSW | SA | TAS | WA | ACT

HLS

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Changing Places is a project to advocate for public toilets with full sized change tables and hoists in major public spaces across Australia to meet the needs of people with severe and profound disabilities.

Ref. www.changingplaces.org.au

HLS Healthcare has been advising and supplying smart equipment solutions for Changing Places projects across Australia since 2013.

As a specialist supplier, our team has the most extensive Changing Places knowledge and experience available. From tender specifications to training and advice - we've got it covered.

We also provide the highest quality product and support.

Together with our partners, HLS Healthcare have sales and installation teams to help manage your project in all major Australian states and territories.

HLS

Meet the HLS Healthcare Changing Places team

Katrina
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Changing Places

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Member of the Changing Places Advisory Panel 2013-2016

HLS Partner

Evocare
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HLS Partner

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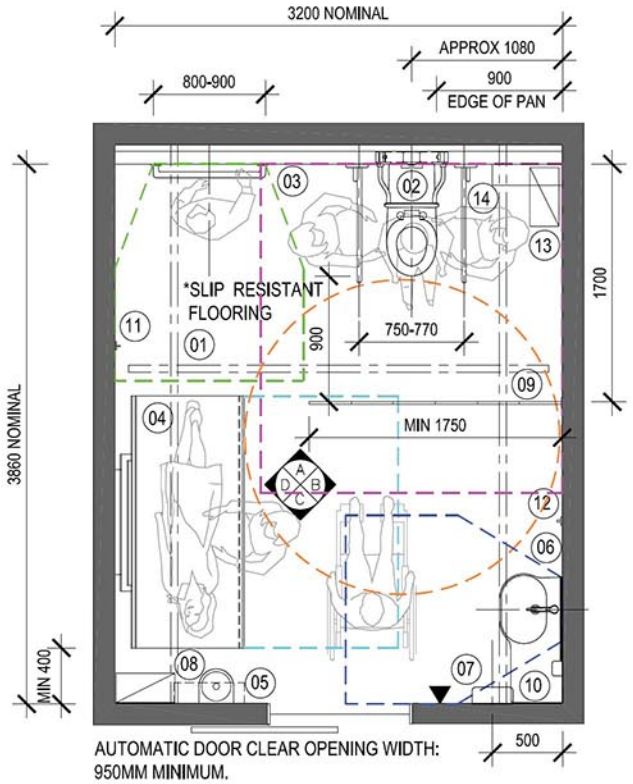
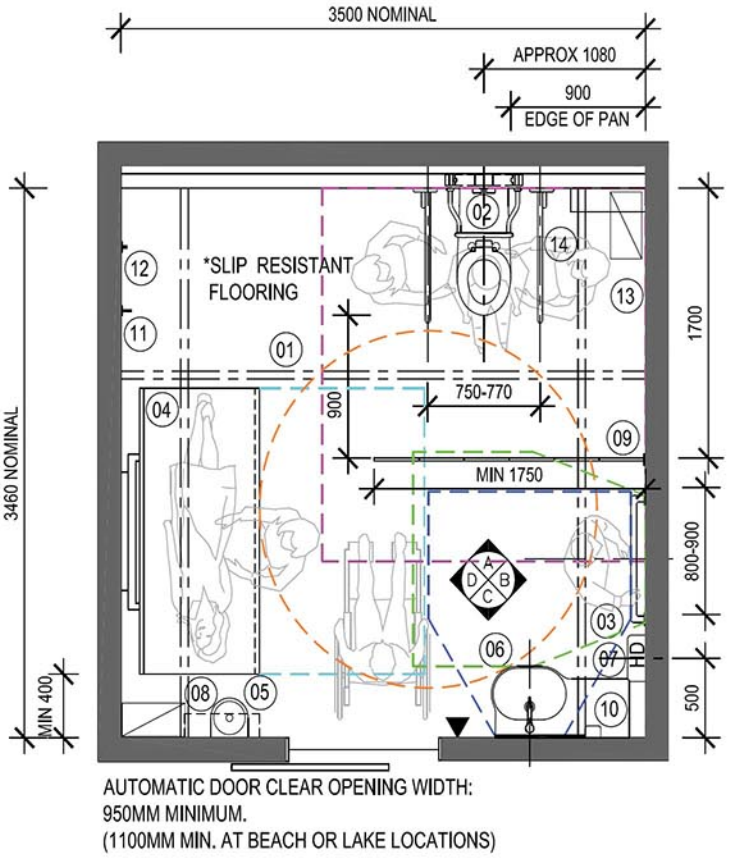
Typical Room Design Options

DESIGN
1A
Without Shower Rectangular

01	Constant-charge room coverage hoist
02	Accessible peninsula-style toilet including backrest and two drop-down grabrails
03	Wall-mounted changing rails
04	Wall-mounted, motorised height adjustable change table with side safety rail
05	Shelf and sanitising wipe dispenser
06	Washbasin with integrated shelf
07	Hand dryer or paper towel dispenser
08	Incontinence pad disposal bin
09	Wall-mounted retractable privacy screen
10	Soap dispenser
11	Large sling hook
12	Clothes hook
13	Sanitary product disposal bin
14	Shelf beside the toilet pan
15	Telescopic shower curtains
16	Accessible shower with shower seat
▶	Automatic door control



DESIGN
1B
Without Shower Square



Designs displayed with permission of DHHS and Changing Places

01	Constant-charge room coverage hoist
02	Accessible peninsula-style toilet including backrest and two drop-down grabrails
03	Wall-mounted changing rails
04	Wall-mounted, motorised height adjustable change table with side safety rail
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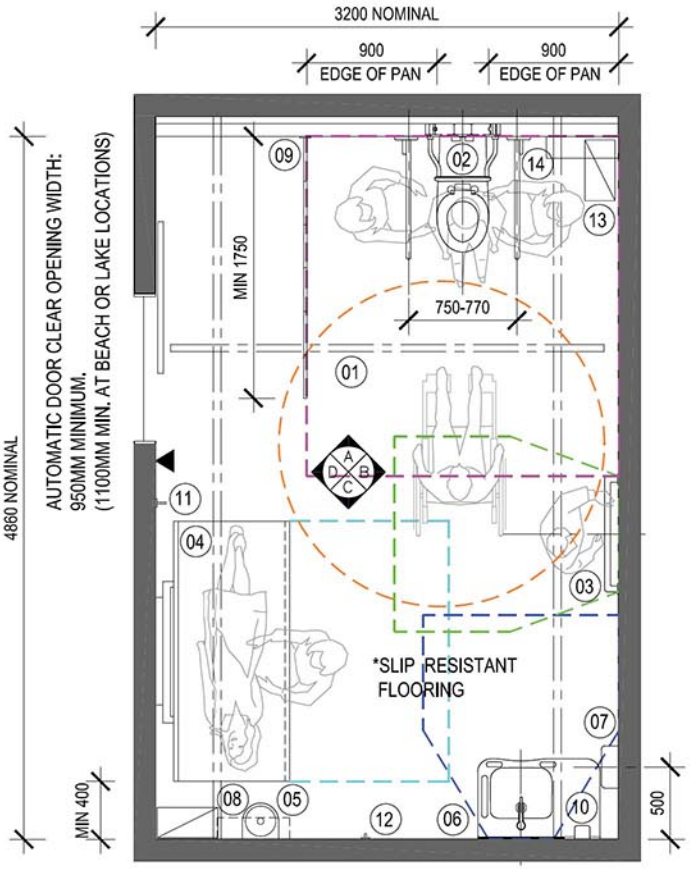
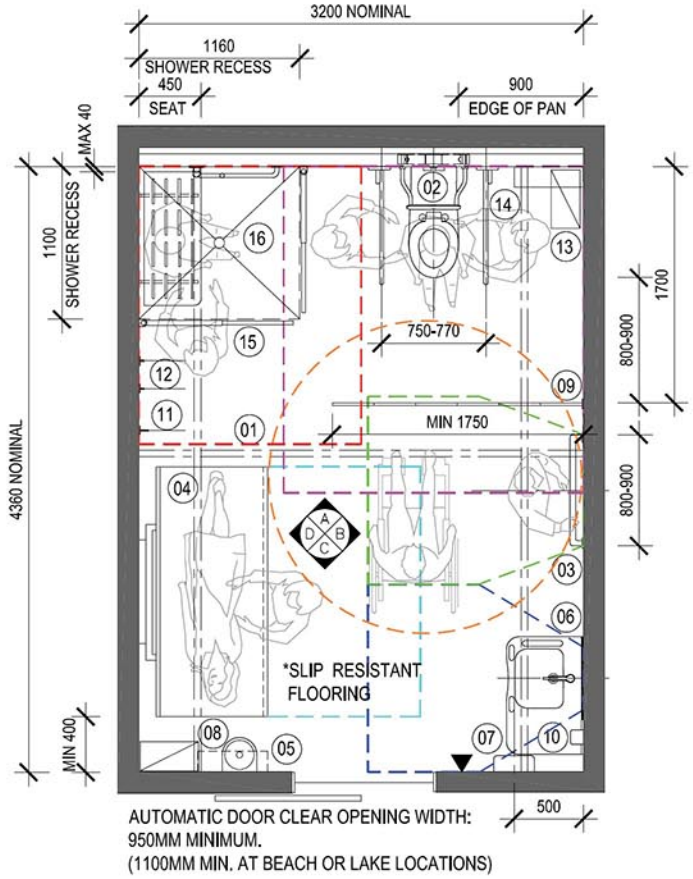
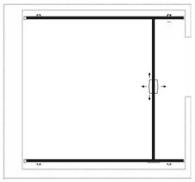
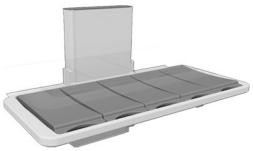
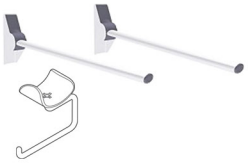
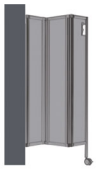




DESIGN
1C
Without Shower Alternative Door Location

DESIGN
2
With Shower Rectangular

Changing Places Specification List

ITEM	CODE	DESCRIPTION	QTY	
Ceiling Hoist	552103	GULDMANN GH3 Ceiling Hoist rated to 200kg. Fixed hoist featuring constant in-line charging. Note: To be installed compliant with AS1428.1 & 2009, AS/ISO 10535:2011 and Changing Places specification requirements.	1	
HLS Room Covering H-Track System (or XY System)	B SYSTEM: Recommended: Wall Mounted *Surface-Mounted or Concealed/Flush Mount (E System) also available*	HLS Room Coverage Track System rated to 205kg. Standard anodized rail with white side covers - can be powder coated white concealed or surface mounted. Wall or ceiling mounted. Installed to comply to AS/ISO 10535:2011 and Changing Places specification requirements.	1	
Change Table + Side Guard	40-25026 + 40-25036	ROPOX - Adult Change Table. Height-Adjustable Wall mounted Table. Rated to 220kg. 178cm x 76cm Note: To be installed to comply to S1428.1-2009 and Changing Places specification requirements	1	
Toilet Support Grabrails + Toilet Roll Holders	40-40140 + 40-40910	ROPOX Toilet arm support grabrails. 54mm diameter elliptical shape. 2No toilet paper roll holder 900mm. User Weight capacity of 190kg Note: To be installed to comply to AS1428.1-2009 & Changing Places specification requirements	2	
Retractable Privacy Screen	ROPIRFW834	Folding Privacy Screen. Wall-mounted & installed minimum 800mm-900mm from toilet pan. Note: To be installed to comply to AS1428.1-2009 and Changing Places specification requirements	1	
Swing Out Telescopic Shower Curtain	ROPIRTS2.1 + WH95	Retractable Privacy Curtain & Rail Colour: White (standard) Mount with WH95 at 2100mm Note: To be installed to comply to AS1428. 1-2009 and Changing Places specification requirements	2	
Support Wash Basin	WMB-802	Solid Surface Resin Basin 802 wall mounted with inbuilt hand rails and shelf. Note: To be installed to comply to AS1428.1 - 2009 Changing Places specification requirements	1	
Toilet Backrest	4H18	Stainless steel frame 600mm x 379mm. Backrest is 300mm x 200mm. Stainless steel fixings supplied. Note: To be installed to comply to AS1428.1-2009 and Changing Places specification requirements	1	

Read more helpful information at www.hlshealthcare.com.au/changing-places

Changing Rails	ML333_1SS	Stainless Steel 900mm 32mm diameter grabrail. Stainless steel fixings supplied. Note: To be installed to comply to AS1428.1-2009 & Changing Places specification requirements	2	
Showerhead Support Grabrail	*Left:* MLR107_MKII *Right:* MLR108_MKII	Stainless steel 700mm x 1100 mm. Fabricated from 32mm 304 stainless steel. Stainless steel fixings supplied Note: Installed to AS1428.1-2009 and Changing Places specification requirements	1	
Soap Dispenser	ML605BS	Vertical Soap Dispenser c/w Black Valve. Stainless Steel.	1	
Hand Dryer	ML_ECOSLEN DER05_SS	Eco Slender Auto Hand Dryer Stainless Steel	1	
Sling Hook	ML216S	Heavy Duty Sling Hook Stainless Steel	1	
Clothes Hook	ML_2309PSS	Hat or Clothes Hook with Pin PSS (4161MKii)	1	
Soap Dish	ML230S	Soap Dish with drain Stainless Steel	1	
HLS Folding Shower Seat	RBA4157 -777-005	Changing Places compliant Folding Shower Seat SWL180KG	1	
Stainless Steel Shelf	B296X18	Changing Places 2020 compliant Stainless Steel shelf. 150mm x 455mm	2	
Vertical Mirror	B1658 2448	Changing Places 2020 compliant mirror with reflective design 610mm x 1219mm	1	
Free Standing Waste Bin	B2250	Sanitary disposal unit - Free standing waste bin. Satin finish Stainless Steel. Vinyl Wall bumper, rubber feet & hooks for liners.	1	
Wipes Dispenser + 1no Wipes	SWD-W + MPR	WowWipes White wall wipes dispenser. Includes 1No sanitary wipes pack	1	

Guldmann GH3

Ceiling Hoist

SWL

200kg

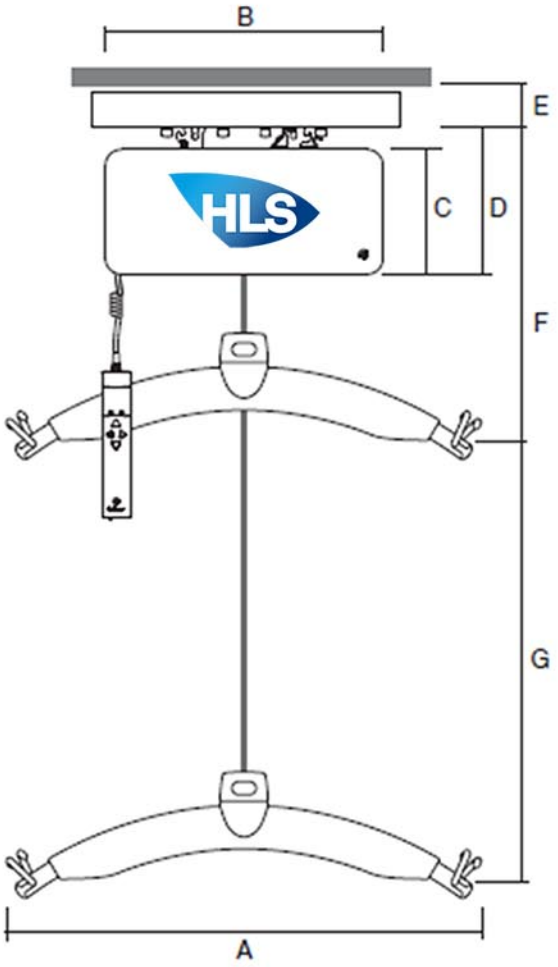
Architect

Design Specifications

Ceiling Hoist System

Changing Places
Ceiling Hoist and Room Coverage H-Frame Rail System

View more Changing Places Information

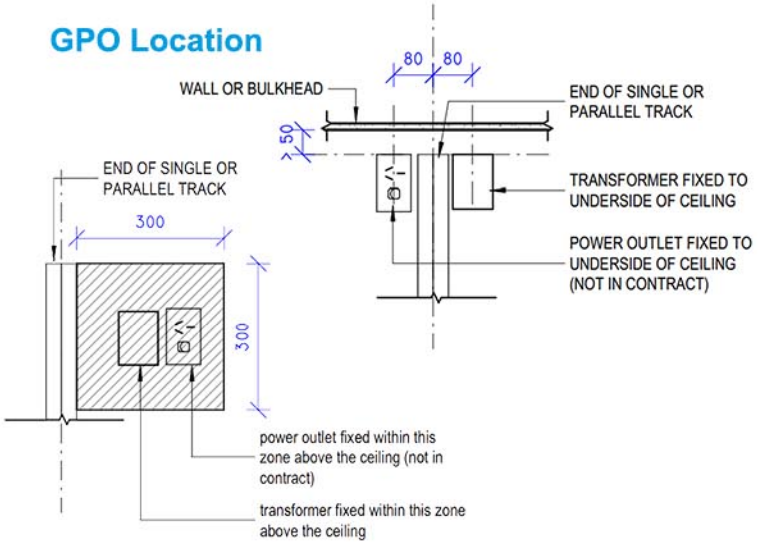


Standard: Constant In-Line Charge

Ceiling Hoist Dimensions

A	580mm
B	345m
C	156mm
D	184mm
E (min)	82mm
F (min)	452mm
G	2.5m
Depth of hoist	205mm

GPO Location



Features

Operation	Hand Control
Sound Level:	52db
On/Off	Automatic (Overload Protection)
Battery	1x24 V NiMH 2.0Ah
Max Charge Time	2 Hours
Classification	Pursuant to ISO 9999

Changing Places 200kg Specification
Room Coverage H-Frame System
Concealed or **Surface Mount** Designs
Constant Charge In-Line
Designed for Compliance
15 Year Design Life

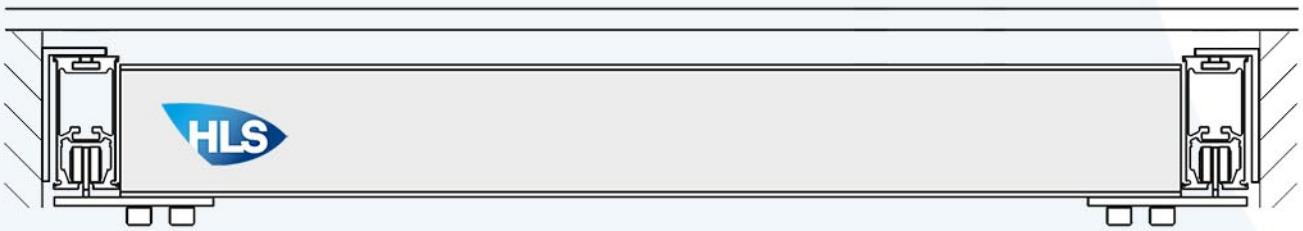
Changing Places
Ceiling Hoist and Room Coverage H-Frame Rail System

Design samples are general in nature - please consult with an HLS Healthcare specialist.

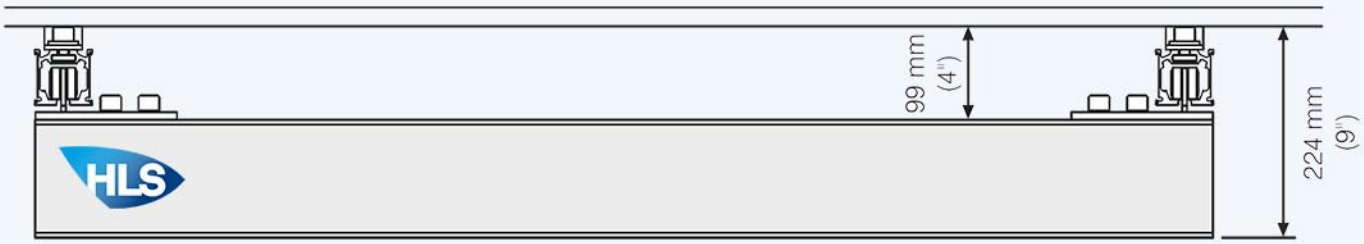
Design Considerations - Room Coverage Rail Systems

H-Frame Systems can be rectangular or square. Room coverage systems consist of two parallel rails and one traverse rail. H-Frame systems are usually either a wall mounted **B System** (installed direct to the wall structure with wall brackets, traverse rail mounted inbetween the parallel rails) or an **E System** (usually ceiling mounted, with traverse rail underhanging, or mounted between parallel rails for surface mounted systems). E System parallel rails can also be installed flush with the ceiling level. Wall posts are optional where necessary.

B System: H-Frame (wall mount) - traverse rail inbetween parallel rails



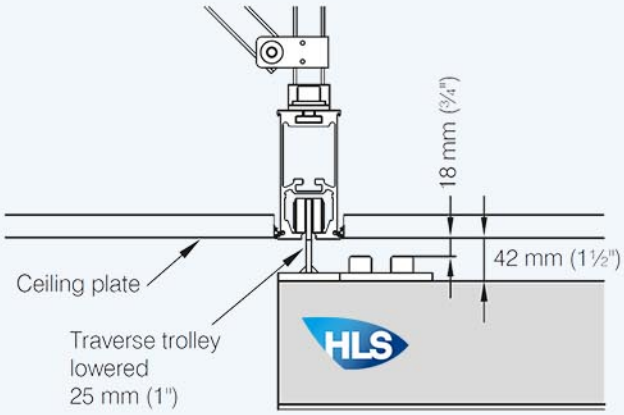
E System: H-Frame (surface mount) - traverse rail beneath parallel rails



E System: H-Frame (concealed) - traverse rail beneath parallel rails

Room Coverage Rail Systems

In a room-covering system it is possible to build in the parallel rails flush with the ceiling, so only the bottom edge of the rails is visible.

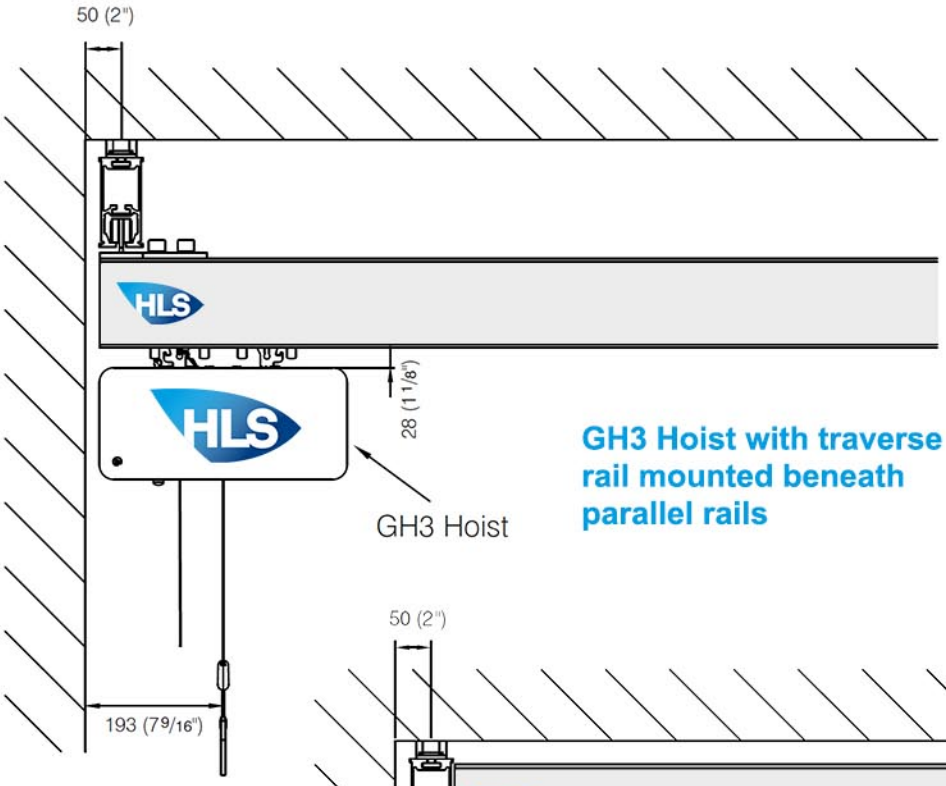


For more options and information please visit our Changing Places website page

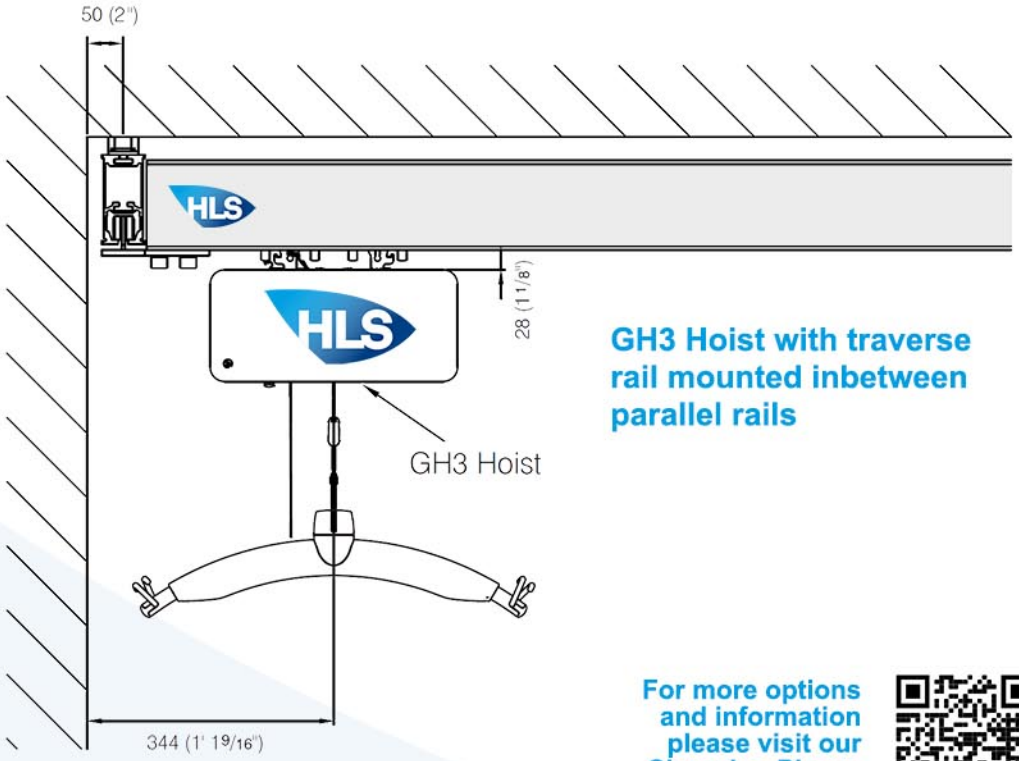
Changing Places
Ceiling Hoist and Room Coverage H-Frame Rail System

Design Considerations - Off-set Dimensions

Outer lifting point for GH3 hoist in systems with traverse mounted in between the parallel rails.



GH3 Hoist with traverse rail mounted beneath parallel rails



GH3 Hoist with traverse rail mounted inbetween parallel rails

For more options and information please visit our Changing Places website page

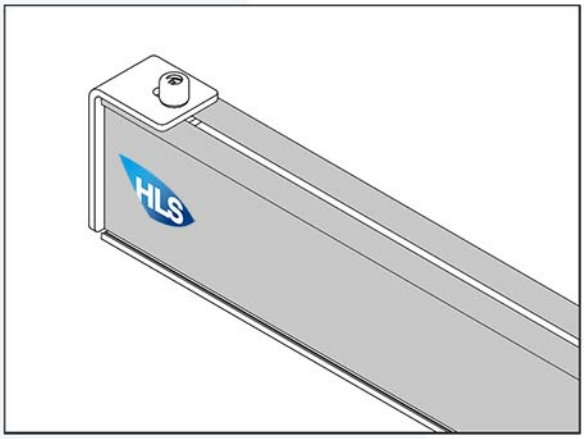
Changing Places
Ceiling Hoist and Room Coverage H-Frame Rail System

Design samples are general in nature - please consult with an HLS Healthcare specialist.

End Wall Brackets - Mounting Option

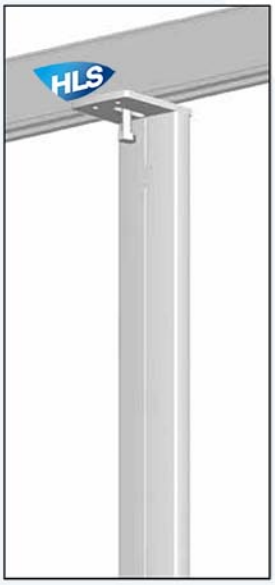
The end wall bracket is used to install all types of rail between vertical surfaces. The bracket can be used for installing room covering rail systems where the ceiling is inaccessible or sloping. The end wall bracket can be installed on all types of wall. Eg. brick, concrete, lightweight concrete, wood and plasterboard.

Please speak to an HLS Product Specialist about methods, conditions and options for Changing Places.



Design Considerations - Wall Post Supports

Wall posts can be used in rooms where it is preferable to fixing brackets to the ceiling or the wall. Wall posts offer various types of adapters that make it possible to install around obstacles such as cable, installation panels or skirting boards. Brackets and adapters are also used in areas where ceiling obstructions such as pipe systems prevent overhead mounting. Wall posts are installed on the floor, and brackets are fastened to the wall.
Can be mounted on single plasterboard.



For more options and information please visit our Changing Places website page

MCG

Changing Places facility installed by HLS Healthcare

For more options and information please visit our Changing Places website page

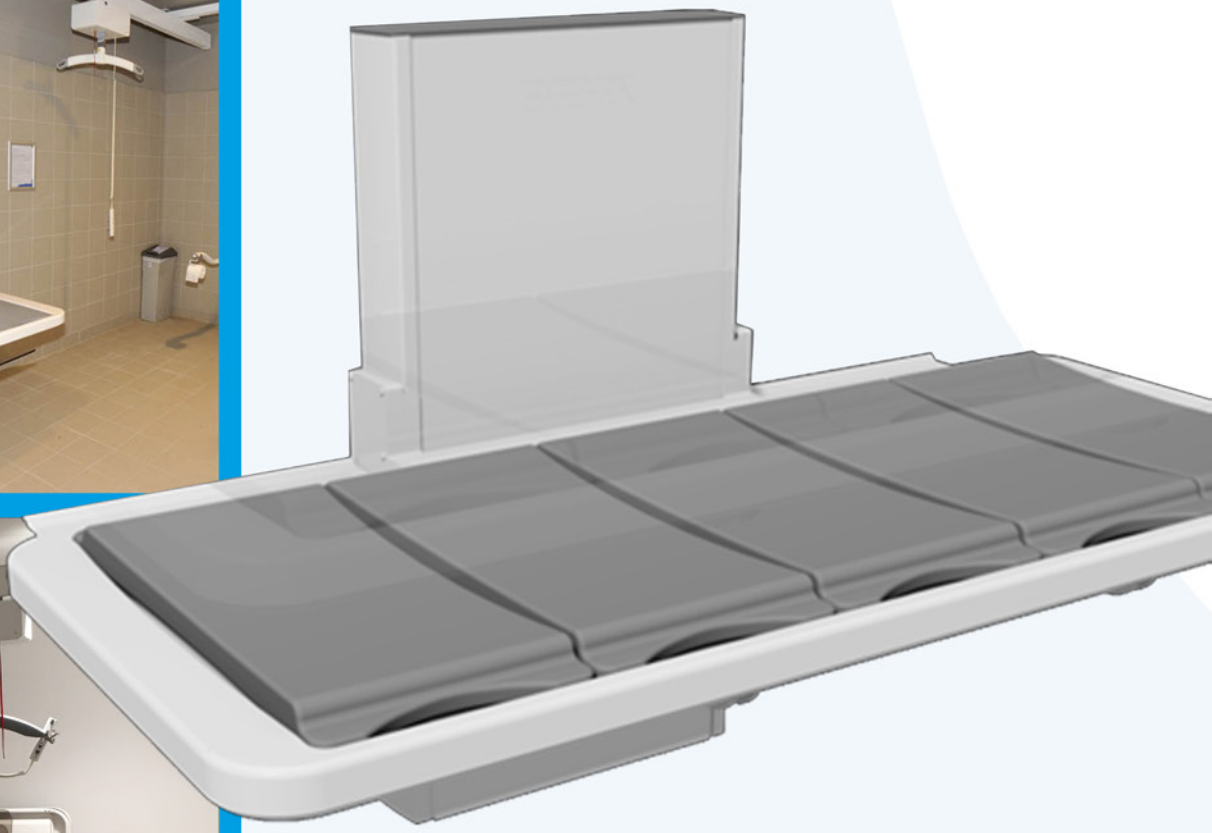
Ropox

Adult Change Table

Height Adjustable Wall Mounted

SWL

220kg

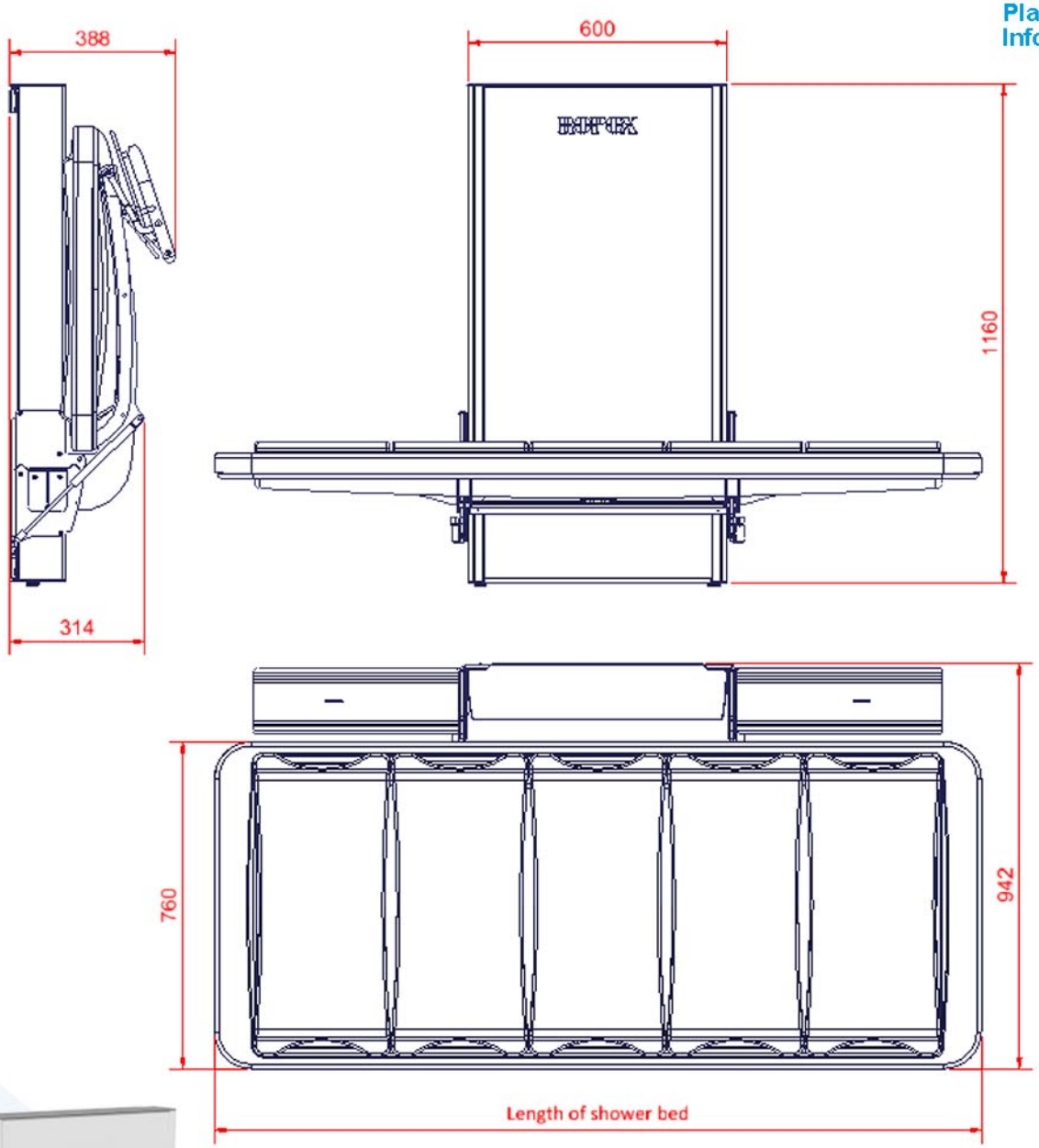


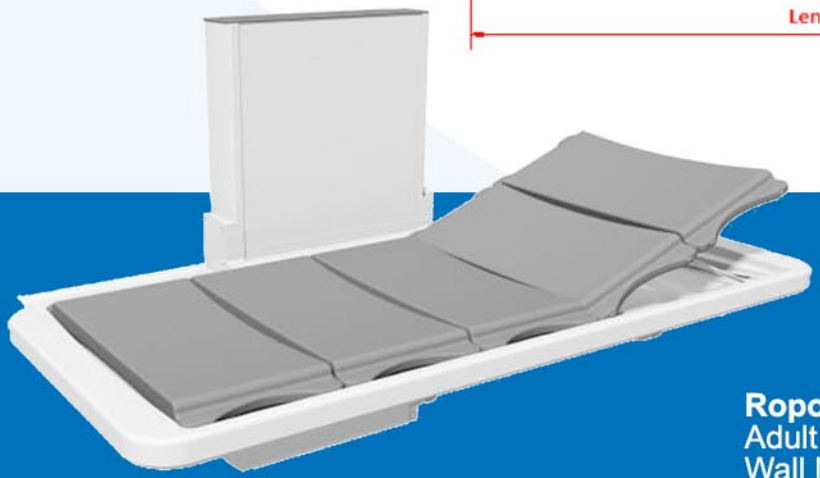
Ropox by HLS Healthcare
Adult Change Table
Height Adjustable
Wall Mounted Table.
1780mm X 760mm*

Architect
Design Specification
Change Table

Changing Places Wall Mounted Change Table

View more Changing Places Information





Ropox by HLS Healthcare
Adult Change Table. Height Adjustable
Wall Mounted Table. 1780mm X 760mm*

*Dimensions approved by DHHS for compliance.

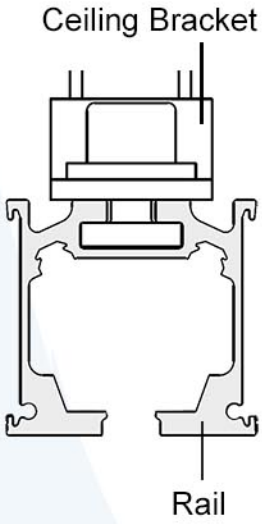
Changing Places
Ceiling Hoist and Room Coverage
H-Frame Rail System

Rail, Brackets and Bracing

Typical Dimensions

The clearance from the top surface of the rail to the underside of the structure (into which the rail is to be secured) is 40mm. This allows space for the ceiling bracket.

Distance to underside of rail - minimum 90mm

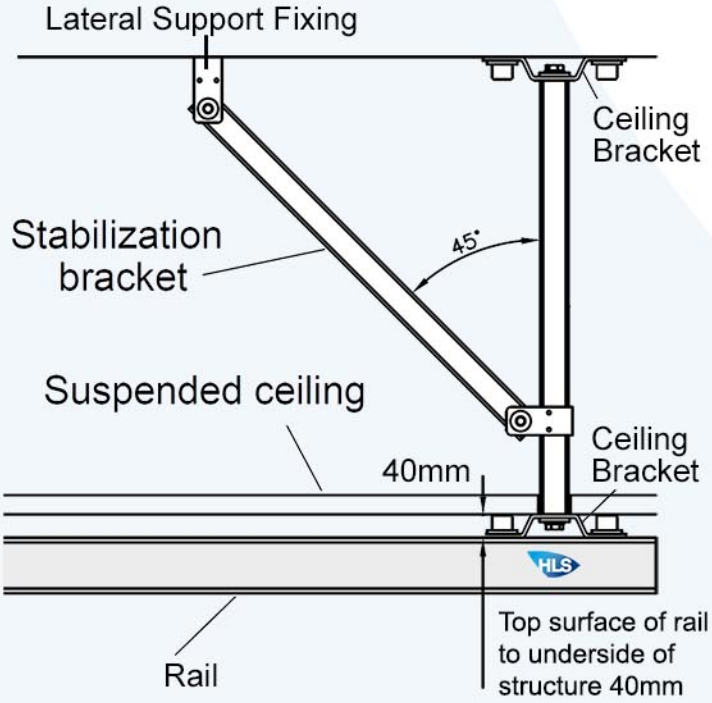


Stablised Rail System

Where the distance between the rail and the in-ceiling structure is greater than 300mm, stabilising bracing will be installed to resist lateral forces in the rail structure.

AS/NZS OSO 10535:2011
Hoist for the Transfer of Disabled Persons

HLS Healthcare install in accordance to all applicable industry requirements and test methods.

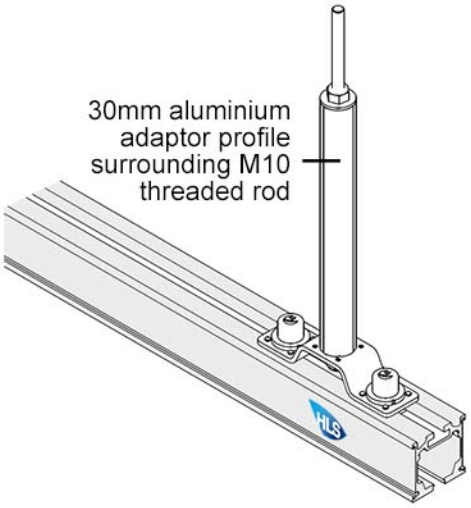


Builder
Installation Methods
Ceiling Hoist System

Rail System Support Structure

Overview

A Changing Places rail system features rail ceiling brackets fixed to an in-ceiling structure such as timber or steel roof trusses, concrete soffit or in-ceiling steelwork.



Support Structure

The structure to which the rail system will be attached is the responsibility of others. The structure shall support a dynamic load of 1.5x the rated capacity of the lifting system.

HLS Healthcare will supply the fixings to connect the rails to the in-ceiling structure.

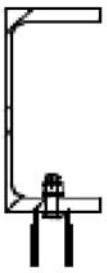
Fixing Methods

Fixing into concrete

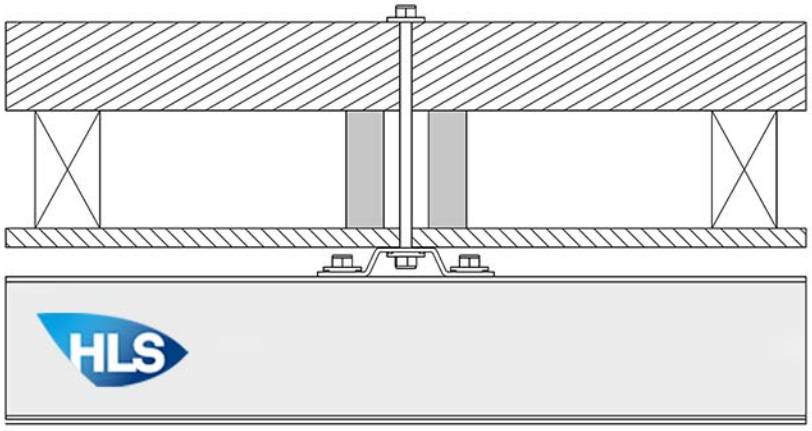
M10 Hilti HKD Fixings
Embedded 40mm
into slab

Fixing into steelwork

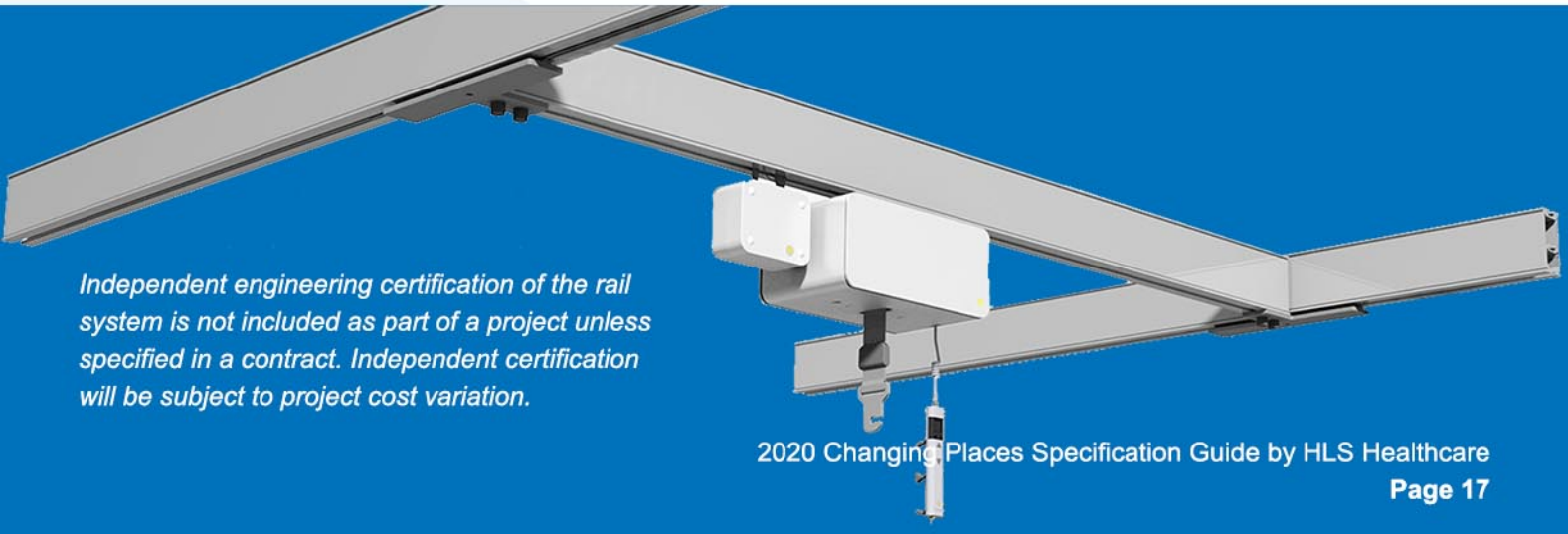
Installers to drill 12mm
hole through steel to
install threaded rod



Fixing into timber



Remember **-** The structure shall support a dynamic SWL (Safe Working Load) of 1.5x the rated capacity of the lifting system.



Independent engineering certification of the rail system is not included as part of a project unless specified in a contract. Independent certification will be subject to project cost variation.

Changing Places
Ceiling Hoist and Room Coverage H-Frame Rail System

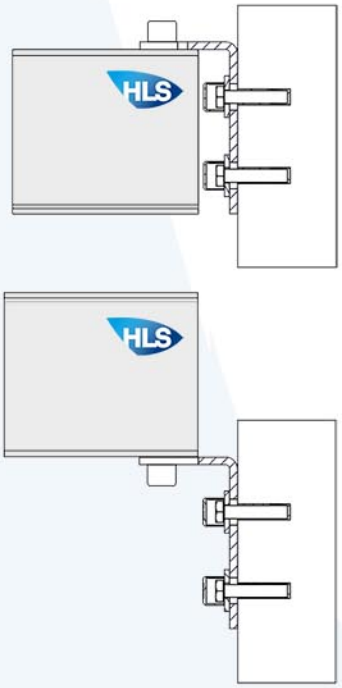
Design samples are general in nature - please consult with an HLS Healthcare specialist.

Wall Brackets and Wall Posts

Brickwork, Concrete, Light Concrete and Timber Stud Plaster Walls

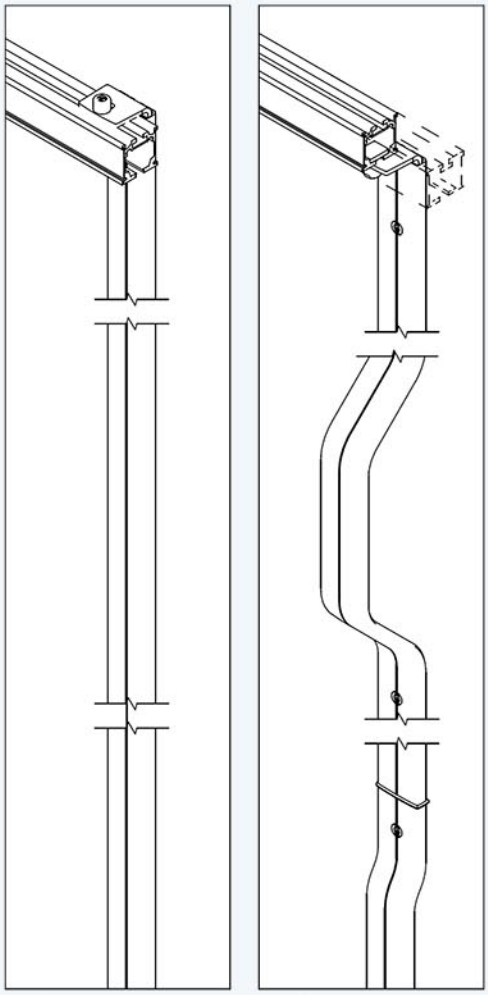
Wall Brackets - Used to install fixing points of the parallel rails of a room covering H-Frame system. All Wall brackets will be secured to the wall with two fixings.

End Brackets



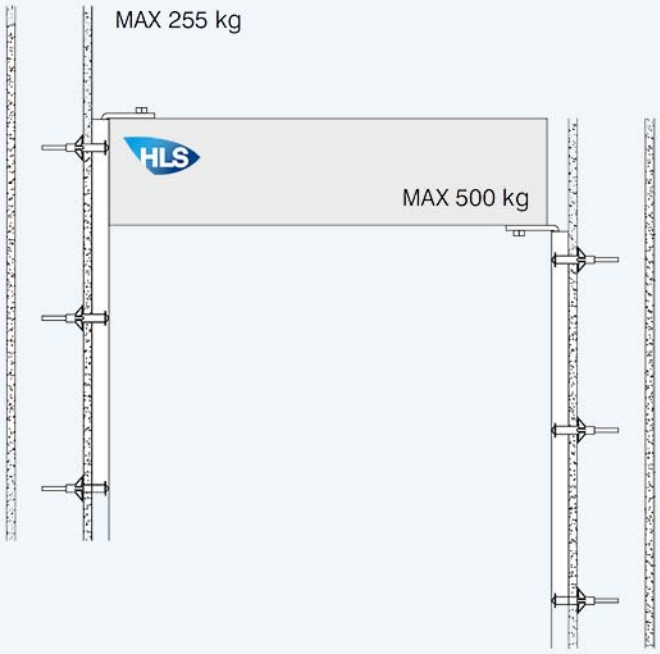
Wall Posts Configurations

Wall Posts are installed on the floor, and brackets are also be fastened to the wall in order to guide them.



Max. SWL 500 kg *Max. SWL 255 kg*

Wall Post Fixing

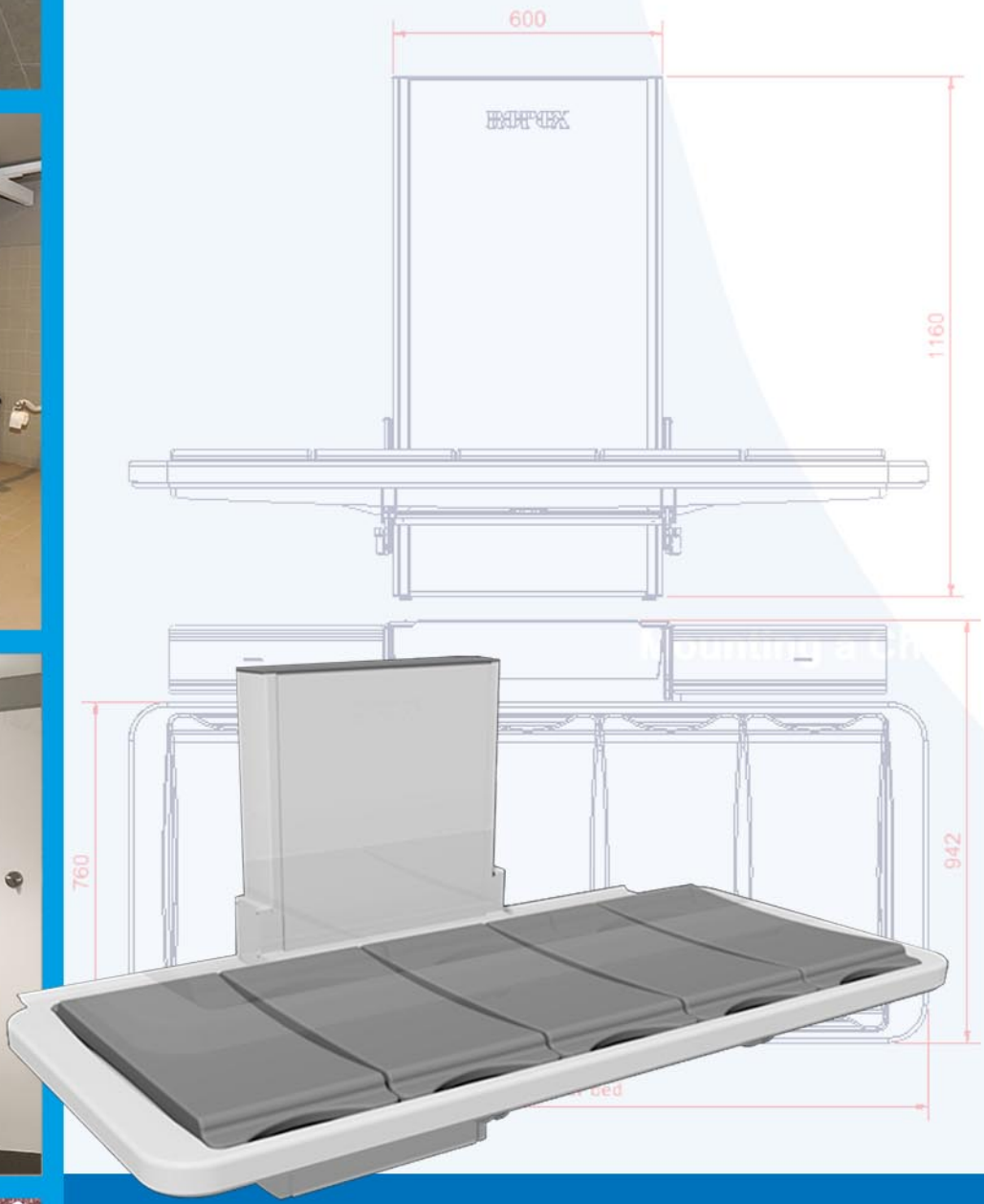


Melbourne
ZOO
Changing Places
facility installed by
HLS Healthcare

Ropox

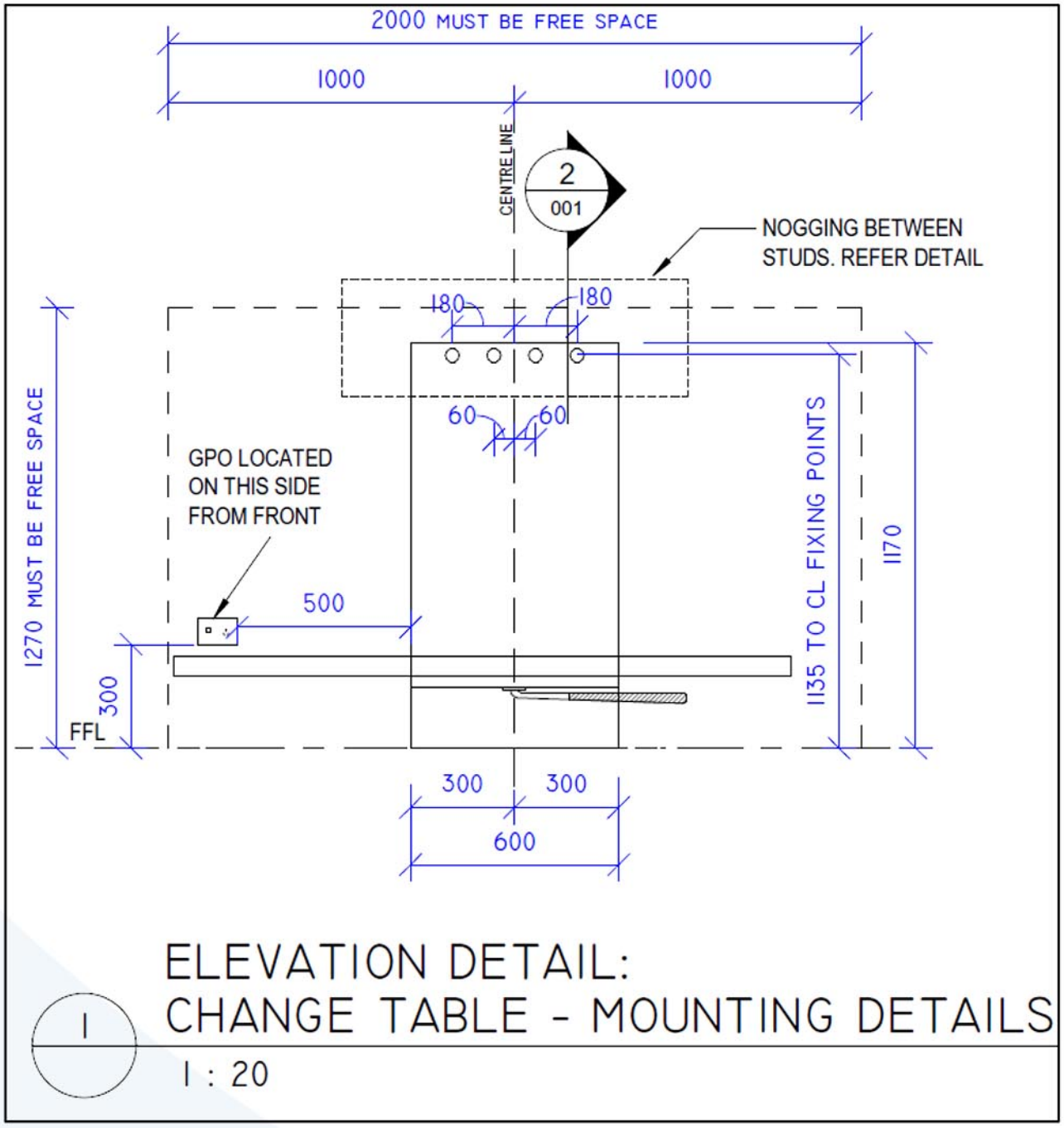
Adult Change Table

Height Adjustable
Wall mounted



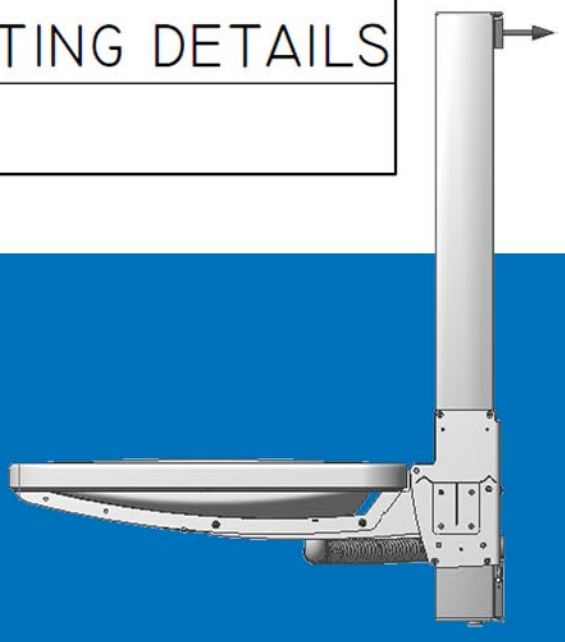
Builders
Installation Details
Change Table

Changing Places Wall Mounted Change Table



Mounting a Change Table to the wall

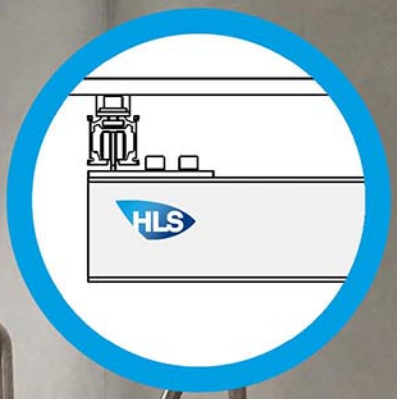
GPO to be installed by others to the specifications and located as advised by HLS Healthcare. Wall fixing points engineered by others to HLS Healthcare requirements. Load bearing SWL as specified in Changing Places documentation.



Melbourne's

HAMER HALL

Changing Places facility installed by HLS Healthcare



One Supplier.
Smarter Solutions.
HLS Healthcare

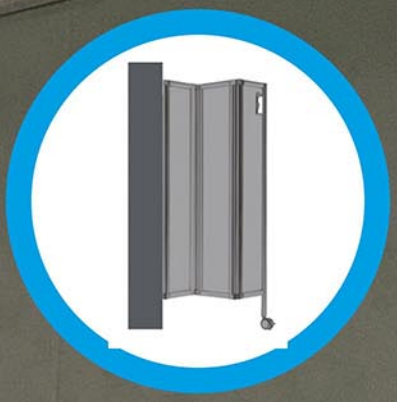
HLS Healthcare has been advising and supplying smart equipment solutions for Changing Places projects across Australia since 2013.

As a specialist supplier, our team has the most extensive Changing Places knowledge and experience available. From tender specifications to training support.

We've got it covered.

We also provide the highest quality product and support.

Together with our partners, HLS Healthcare have sales and installation teams to support your project in all major Australian states and territories.



Operating Instruction Guidelines

HLS Healthcare provide operating instructions upon request for all Changing Places projects.

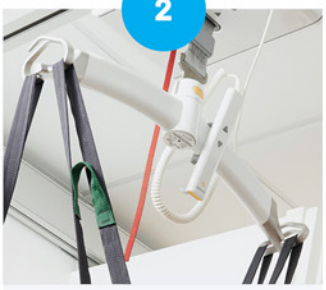
Changing Places
Transforming Lives

Ceiling Hoist User Guide

1

Press any button on hand control to start. Green light on hoist indicates it is ready to use

2



Safely apply sling to hanger bar. Ensure loops are securely fitted

3

Use the 'Up' and 'Down' arrows to perform the lift when ready

4

Move the hoist around the room by holding hanger bar. Pulling on hand control will cause breakage

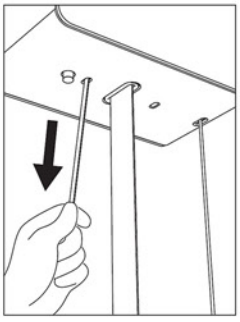
5

The Guldmann hoist will charge from anywhere in the room

?

If indicator LED is yellow and hoist is beeping, there may be a fault. Please notify Reception

EMERGENCY STOP



One pull on the red strap. Use only in emergencies. When emergency stop is activated, only hoist's emergency lowering device will function. Deactivate the emergency stop by pressing yellow "stop" button, then press any hand control button twice. Emergency Lowering is activated by prolonged pull on the red strap. Use only in an emergency. This function allows the patient to be lowered if hoist has failed to work.

PLEASE NOTE

Ceiling hoist should only be used by carers who are accustomed to using a hoist.

Users must use own slings.

Prior to use, inspect hoist for any signs of damage or wear. Check hoist is operable before using with a person. If unsure DO NOT use, notify Reception or call HLS.

HLS

Safe Working Load
200kg

Contact Us
www.hlshealthcare.com.au
1300 931 893

HLS-TRN-022-01 v1

Soft copy only. Specific to location when requested.

Operating Instruction Guidelines

HLS Healthcare provide operating instructions upon request for all Changing Places projects.

Changing Places
Transforming Lives

Change Table User Guide

Change table is to be used for showering and changing children and adults only, and must not be used for any other purpose.

1

Pull the table down from the rail on the guard intil it clicks into place

2

To engage the side rail grab the white rail and it pull up towards you until it clicks

3

Use the 'Up' and 'Down' arrows on the control to adjust the height of the change table

4

To disengage, pull the two levers upwards to unlock the side guard rail

5

Disengaging the side rail allows the side rail to drop down under the change table

6

To stow the table, disengage side rail and pull table up until it clicks into a vertical position

PLEASE NOTE

Never leave a person unattended on the change table.
Prior to use, please conduct safety checks by inspecting the Change Table for any signs of wear or damage. Check power cord and hand controller are intact and undamaged. Check power cord is fully plugged into the socket, ready for safe use.
Instructions for cleaning: HLS Healthcare suggests pH Neutral Hospital Grade Cleaner or similar.
If unsure DO NOT use and notify Reception or call HLS.

HLS

Safe Working Load
220kg

Contact Us
www.hlshealthcare.com.au
1300 931 893

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Q&A

Common questions from Builders

What are your lead times?

HLS Healthcare maintain a stocked Melbourne warehouse, so we are able to commit to projects with optimal turnaround times. We encourage you to discuss your requirements with our team and place your orders as early as possible so our project coordinators can support you.

How many visits do your installers require?

This depends on the support structure our ceiling tracks are to be secured to. Usually 2 visits are required - the first visit to install the supporting droppers and the second visit towards the end of the project for equipment fit-off.

What power is required for the equipment?

The Hoist requires a standard 10amp GPO on the ceiling, and the Change Table requires a standard 10amp GPO on the wall. The exact location will be determined on a project-by -project basis. We have standard details on hand to assist in advising you during the project.

Power points - where to put it & what type of power

Please refer to the Builders specifications details in this booklet, download them from our website, or ask one of our Changing Places specialists.

Supports for system – is concrete enough? What type of other supports?

Rail systems can be installed into concrete, rigid steel structures, timber truss ceilings and even directly to walls - conditions apply. Please refer to the Builders specifications details in this booklet, download them from our website, or ask one of our Changing Places specialists.

Does the Ropox change table require power? Where?

Yes. Please refer to the Builders specifications details in this booklet, download them from our website, or ask one of our Changing Places specialists.

Ropox Change Table - Are supports behind wall or concrete wall sufficient?

SWLs and engineering compliance apply. Please refer to the Builders specifications details in this booklet, download them from our website, or ask one of our Changing Places specialists.

Q&A

Common questions from Architects

What type of ceiling track system must be designed and installed?

The Changing Places guidelines specify a ceiling track system that provides access around the entire room; known as a 'room covering system' or 'H-track'. There are several ways this can be achieved, secured to the in-ceiling structure or to the walls. The correct type will need to be determined on a project-by-project basis. We recommend consultation at this stage to ensure any design issues or clashes with in-ceiling services are avoided.

What is Inline Charge?

This means the Guldmann fixed hoist motor is automatically charged through charging liners in the rails. Charging is achieved regardless of the location of the hoist in the track, removing any reliance on the users to return the hoist to a specific location after use. The Guldman inline charge system ensures there is no risk of flat batteries for the next user. It also guarantees hoist functionality and maintains the batteries to ensure a long lifetime. Be careful - not all 'continuous charge' hoists may comply.

Changing Places
Transforming Lives

Are there any requirements of the hoist motor? What about SWL?

Yes, the Changing Places guidelines specify a constantly charged hoist. Guldmann fixed hoist motors are permanently charged through the track system. SWL is minimum 180kg.

Can the hoist equipment be installed in a humid leisure centre environment?

Yes. However, it is important to help protect the track system and the hoist motor with anti-corrosion treatments. We recommend specifying the track system to be powdercoated white to help protect the rail, and the hoist motor to also have a protective silicon spray applied. Not all hoists are able to comply with this recommendation.

What are the ceiling hoist support options?

Compliant ceiling hoist system can be installed to ceilings, walls (brackets) and on wall posts.

Guldmann™

HLS healthcare
better ways for living

ROPOX
BETTER WAYS TO BETTER DAYS

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BESTPRACTICE CERTIFICATION AS/NZS4801 OH&S MANAGEMENT SYSTEM

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Changing Places Transforming Lives

As an Official Australian Changing Places supplier and installer, HLS Healthcare recommends the official 2020 Changing Places Specification Guide.

This guide is available at
www.disabilityaccessconsultants.com.au

Changing Places

HLS Healthcare

Smart Healthcare Technology Specialists

Official Changing Places Installer

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