

IMPORTANT NOTES

1. The ceiling minimum structure capacity must be able to support the load specified on the installation drawing.
2. Electrical power source outlet already available by the facility at a maximum distance of 3 meters from charging station.
3. Any obstructions such as vents, pipes, lights and sprinklers that could possibly be in the path of the ceiling lifts to be removed or relocated by the facility prior to installation.
4. Modifications of door headers by the facility.
5. Arjo reserves the right to slightly modify the track layout if necessary.
6. See the "Agreed Conditions for the Installation of Ceiling Lifts" document included with this quote for important installation details.
7. Arjo will not be held responsible for any damages, inconvenience, resulting from hitting any non visible conduits during our installation process.
8. Signed drawings are required prior to ordering and installation of ceiling lifts. This signature of each drawings confirms agreement of all the conditions listed above.

MY SIGNATURE BELOW VERIFIES THAT I HAVE:

Reviewed all 6 pages, with a total quantity of 1 rooms, for the approbation of layout for each room and the approbation of structure for each room.

I verify that the answers below are accurate to the best of my knowledge and I understand that the quote produced is dependent upon the conditions below as well as this full drawing set.

- | | Yes | No |
|---|--------------------------|--------------------------|
| • Is a load dock available?..... | ☐ | ☐ |
| • Can facility accept shipment and store until install begins?..... | ☐ | ☐ |
| • Will a drop trailer be needed?..... | ☐ | ☐ |
| • Is parking available on site? Is there a fee involved?..... | ☐ | ☐ |
| • Are there any installation time frame limitations?..... | ☐ | ☐ |
| What are they? | | |
| • Is a level of infectious control required?..... | ☐ | ☐ |
| If YES, then what level | | |

Customer approval: _____ Date: _____

NOTE ABOUT INSTALLATION METHOD ANNEXES

Our ceiling attachment instructions consist of two distinct components:

The Structure attachment (Sxxx) - All the hardware required to fix the installation to the main structure itself. Generally, an anchoring system with a threaded rod going down.

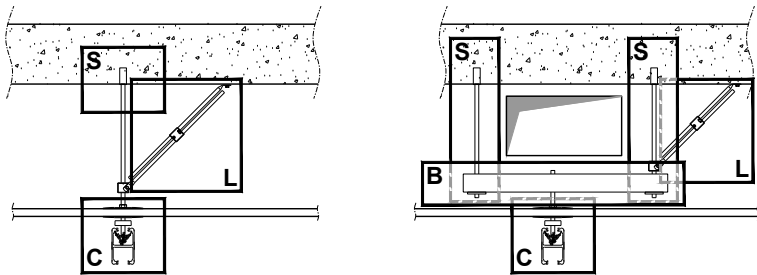
The rail system Connection (Cxxx) - To connect the rail to the threaded rod coming from the structure.

To these, depending on the cases, we can add more types of technical drawing instructions:

Bridging (Bxxx) - The hardware required to avoid inner ceiling obstacles.

Lateral braces (Lxxx) - The hardware needed to counteract lateral movements.

Each of these attachment instruction is depicted in individual technical drawings, which can be found in the appendix of this document. The information provided on each track layout page refers to the corresponding instructions (Sxxx, Cxxx, Bxxx or Lxxx).



Additionally, some additional annexes can depict accessory attachment instructions (e.g., turntables or gates), or specific technical drawings (e.g., door header opening, X-Y system)

ARJO - Your partner in facility design

Arjo has a long history of collaborating closely with architects, nursing home executives, safe patient handling experts, residents and relatives. Our experience has taught us that to create efficient care facilities and to obtain a good working environment, the right combination of environment, equipment and care skills are needed.

Therefore it is key to design for sufficient space early in the planning of a new facility. That's why we created the Arjo Portal for Architects and Planners.

What will you find in the Arjo Architect Portal ?

Space requirements - Layout drawings with dimensions that allow sufficient space for caregivers, patients/residents and maneuvering of equipment.

Insights - Our collection of articles on best-practices and design requirements when planning different care environments.

Downloads - CAD library (2D and 3D) of individual products, complete room solutions and space requirements

Register for free access and get started.



<https://www.arjo.com/int/architect-guide/>

CEILING LIFT INSTALLATION DRAWING

Hospital Clinic De Barcelona

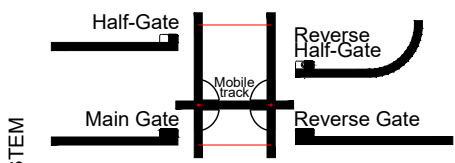
REVISIONS		DISTRIBUTOR	
1	26-févr.-2026	Arjo Spain	
		REPRESENTATIVE Fernando Hernandez	
The initial weight load test must be performed at SWL x1.5			
Comments: None		REFERENCE NUMBER QC-27846 OW173-1-1	
		OPTION -	REVISION 1
	DRAWN BY un021662		DATE 26-févr.-2026
	SHEET SIZE A3	SCALE 1:50	PAGE 1 / 6

TRACKING

- TRACKS**
- Track (Standard)
 - Track with service zone
 - Track with wall fixation

- BRACKETS**
- Ceiling bracket 272 kg (600 lb) or less 362 kg (800 lb) or more
 - Ceiling Joint bracket 272 kg (600 lb) or less 362 kg (800 lb) or more
 - Wall post
 - Wall bracket
 - Wall post side
 - Track with T-junction

- ACCESSORIES**
- Turntable Automatic / Manual
 - Exchanger
 - Motor / Charger location

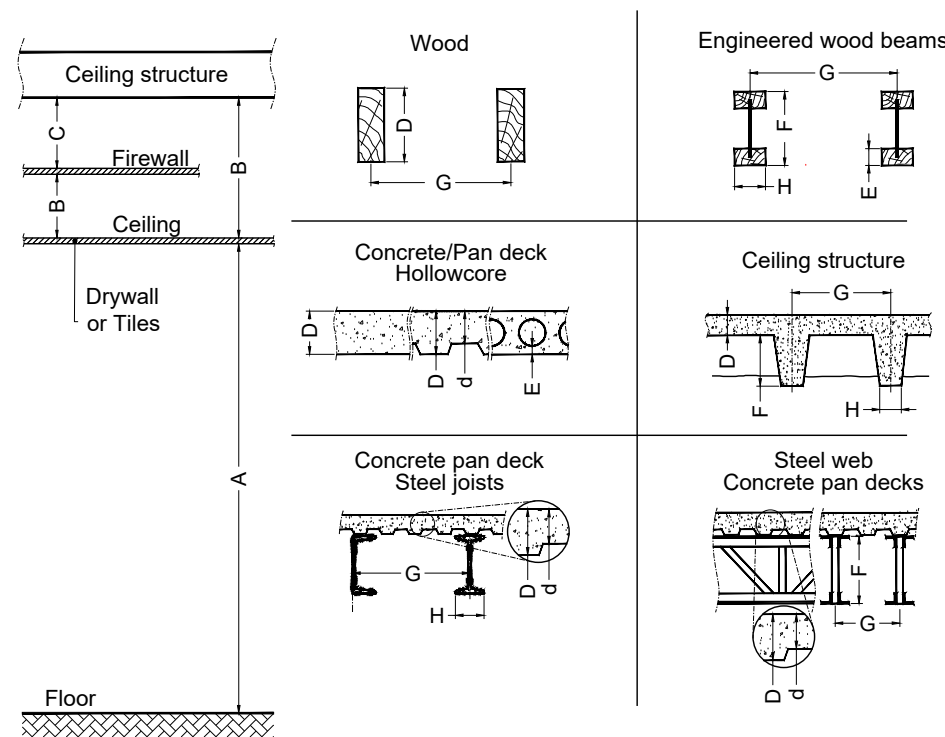


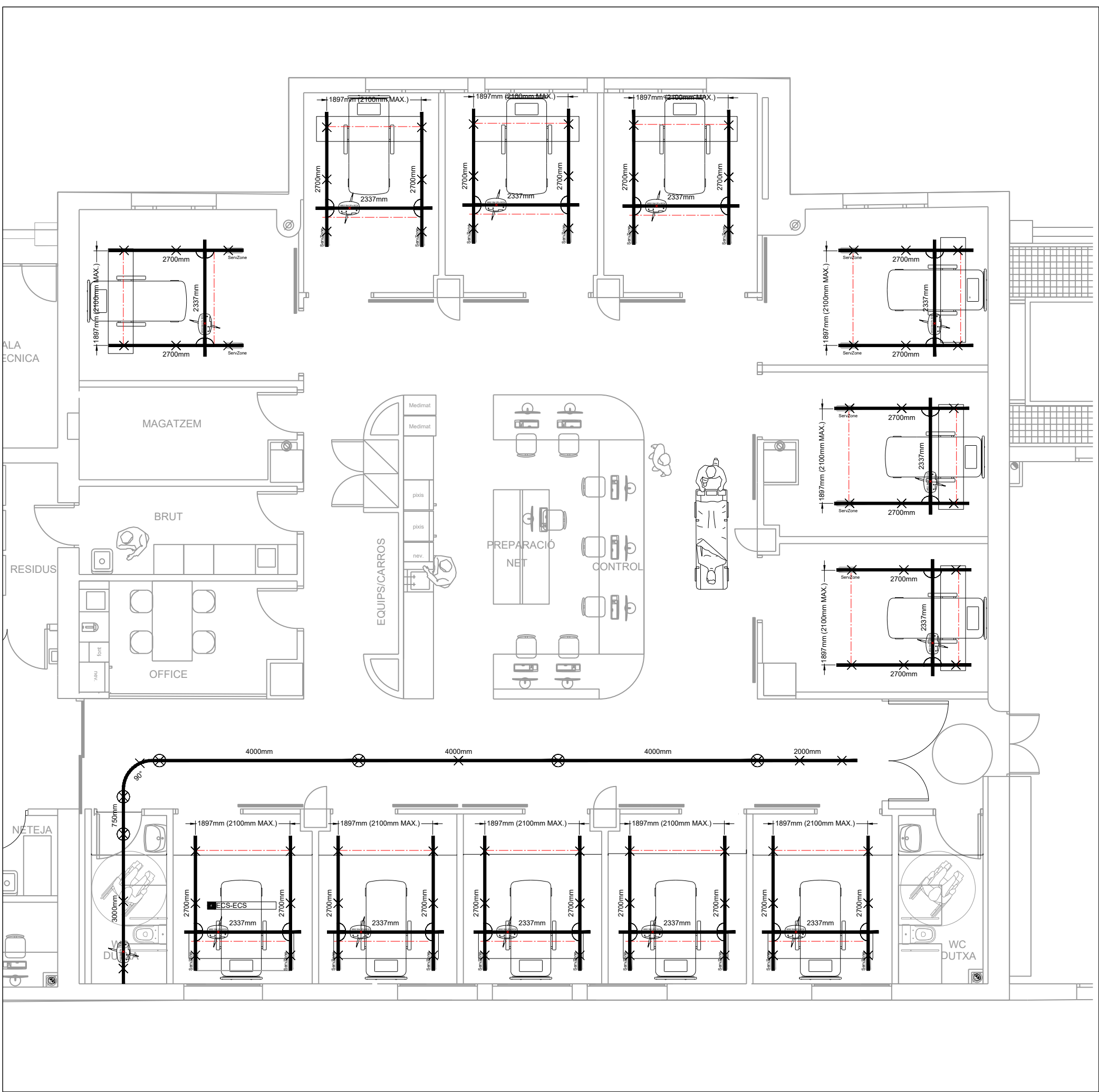
- X-Y SYSTEM**
- Standard XY trolley
 - Flush XY trolley
 - Suspended XY trolley
 - X-Y alim. type + options

MISCELLANEOUS

- Ceiling vent
- Required access trap
- Existing access trap
- Ceiling light
- Additional accessories
- Swivel pole
- Sprinkler
- Smoke detector
- Electrical outlet

LETTERS DEFINITION





CEILING INFORMATION AND DIMENSIONS

PARAMETERS
Structure type: Concrete
Track: Standard
Seismic: No
Charging method: ECS
RECIPES
Structure: S32210.01: [Ancien] Dalle de béton [272kg]
Bridging: -
Lateral braces: L006: SL Adjust.-Court-Béton-Cheville
Visible Lat. braces : -
Connection: C32210.01-STD: [Ancien] Gypse Standard [272kg]
Connection Joint: -
DIMENSIONS: A=2700 mm
B=900 mm
D=200 mm

THIS DRAWING AND BILL OF MATERIAL HAVE BEEN PREPARED WITH SUPPLIED DATA

Comments:

Customer approval: _____ Date: _____

Hospital Clinic De Barcelona

Safe Working Load below the Ceiling Lift: 272 kg [600 lbs]
The initial weight load test must be performed at SWL x1.5

Quantity of rooms: 1 Listing of room(s): Floor	REFERENCE NUMBER QC-27846 OW173-1-1	
	OPTION -	REVISION 1

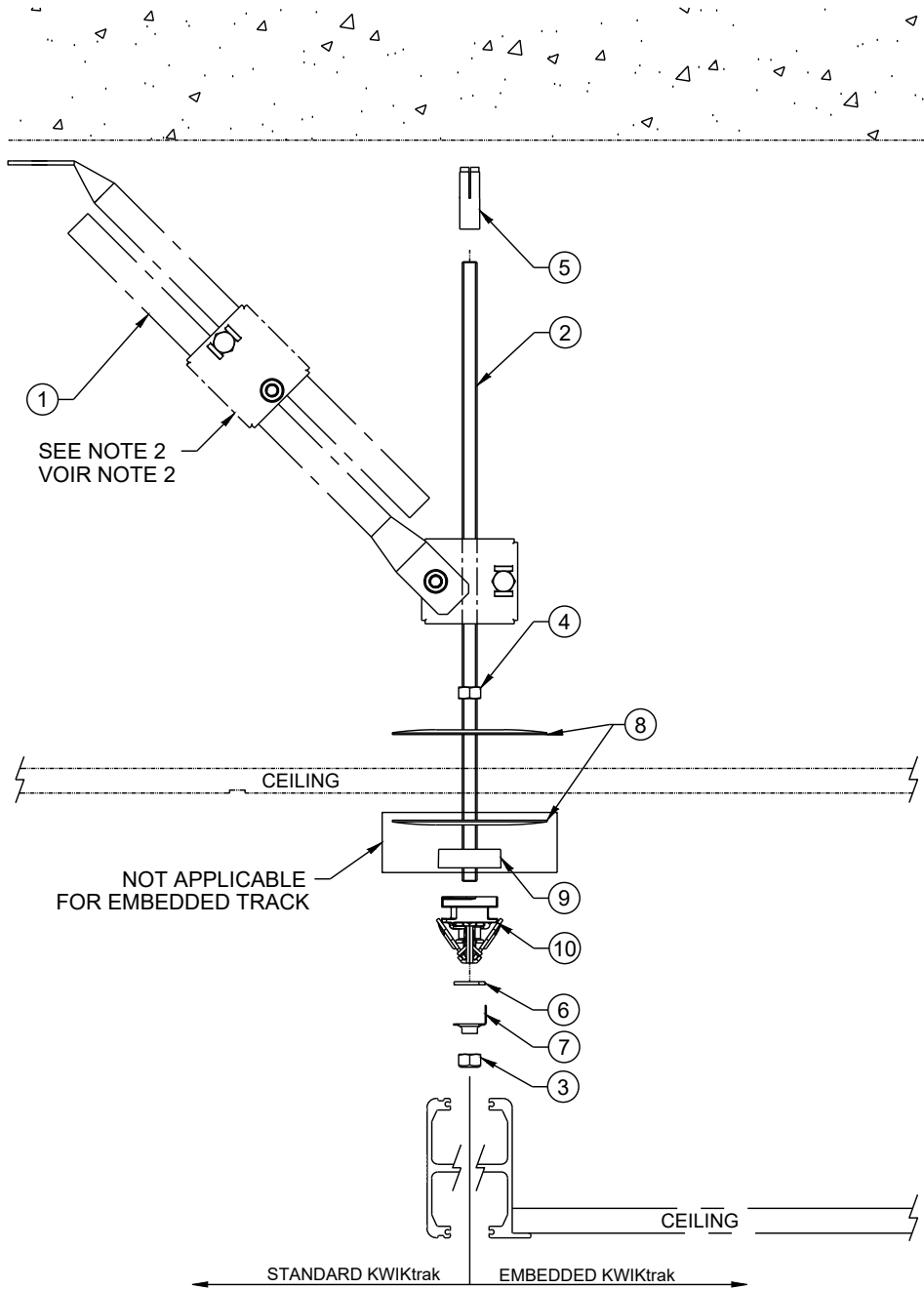
arjo	DRAWN BY un021662		DATE 26-févr.-2026	
	SHEET SIZE A3	SCALE 1:80	PAGE 2 / 6	

PRELIMINARY DRAWING. COMPLETE MISSING INFORMATION - DO NOT USE AS AN INSTALLATION LAYOUT

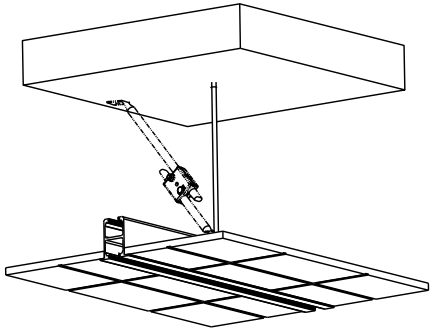
CUTTING OF RAILS ON SITE ONLY

NOTES:

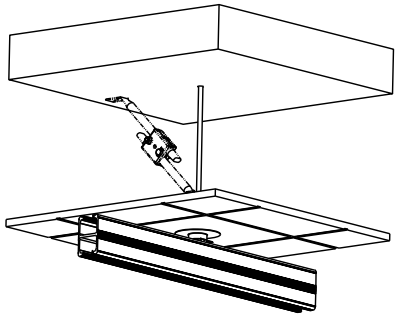
1. THIS DRAWING IS VALID ONLY WITH THE USE OF REFERENCE DOCUMENT "AM-ING-007-1 EN" (GENERAL INSTALLATION NOTES).
DESSIN VALIDE UNIQUEMENT AVEC L'UTILISATION CONJOINTE DU DOCUMENT "AM-ING-007-1" (NOTES GENERALES D'INSTALLATION).
2. FOR ADJUSTABLE LATERAL BRACE, USE PART #700.11360 OR 700.11350 DEPENDING ON CEILING HEIGHT.
POUR LE RENFORT LATÉRAL AJUSTABLE, UTILISER LA PIÈCE #700.11360 OU 700.11350 DÉPENDAMENT DE LA HAUTEUR DU PLAFOND.
REFER TO LATERAL BRACE REQUIREMENTS ANNEX.
SE RÉFÉRER À L'ANNEXE DES RENFORTS LATÉRAUX.
3. THE CONTRACTOR RESPONSIBLE OF THE CEILING HAS TO BE AWARE THAT THE LIPS OF THE EMBEDDED TYPE TRACK ARE
FOR AESTHETIC USE ONLY; THEREFORE SURROUNDING CEILING MUST BE SUPPORTED INDEPENDENTLY.
L'ENTREPRENEUR CHARGÉ DE L'INSTALLATION DU PLAFOND DOIT ÊTRE AVERTIT QUE LES LÈVRES DU RAIL ENCASTRÉ
SONT SEULEMENT POUR FIN ESTHÉTIQUE; LE PLAFOND AUTOUR DOIT DONC ÊTRE SUPPORTÉ INDÉPENDAMMENT.



NOTE:
THE STRUCTURAL ENGINEER ON RECORD OF THE BUILDING IS RESPONSIBLE TO VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE LOAD.



EMBEDDED INSTALLATION



STANDARD INSTALLATION

METRIC STANDARD METHOD				IMPERIAL STANDARD METHOD			
10	700.11100	TRACK BRACKET KWIKTRAK	1	10	700.11100	TRACK BRACKET KWIKTRAK	1
9	200.11170	12MM KWIKTRAK BRACKET SHIM	1	9	200.11170	12MM KWIKTRAK BRACKET SHIM	1
8	200.11140	CEILING PLATE ø100MM	2	8	200.11140	CEILING PLATE ø100MM	2
7	000.04435	TAB WASHER M10, PLAIN STEEL	1	7	000.04435	TAB WASHER M10, PLAIN STEEL	1
6	000.04430	FLAT WASHER M10, ZINC PLATED STEEL	1	6	000.04430	FLAT WASHER M10, ZINC PLATED STEEL	1
5	000.04356	CONCRETE ANCHOR HKD-E M10 X 40	1	5	000.00423	CONCRETE ANCHOR 3/8-16	1
4	000.04400	NUT M10 ZINC	1	4	000.00405	NUT 3/8-16, ZINC PLATED STEEL	1
3	000.04416	M10 ZINC STOVER LOCKNUT	1	3	000.00402	LOCKNUT STOVER 3/8-16 ZINC PLATED STEEL	1
2	000.04385	THREADED ROD M10 X 3M ZINC	AR	2	000.00394	THREADED ROD 3/8-16 X 10" ZINC PLATED STEEL	AR
1	---	ADJUSTABLE LATERAL BRACE **	AR	1	---	ADJUSTABLE LATERAL BRACE **	AR
Item	P/N Metric	Description (EN)	Qty	Item	P/N Imperial	Description (EN)	Qty

31210.01 REV-4

Safe Working Load (SWL): 272kg (600lbs)

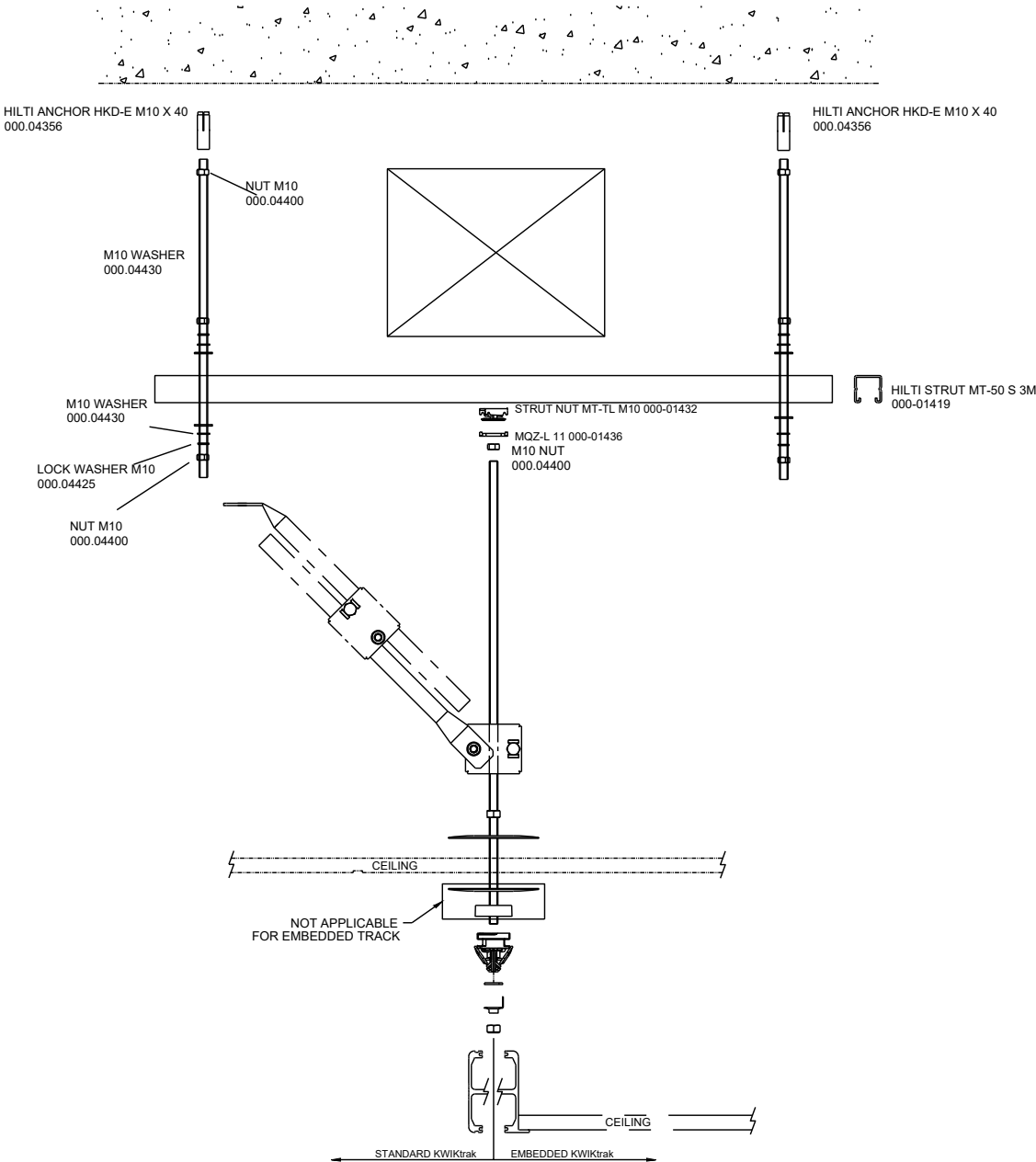
Customer approval: _____ Date: _____

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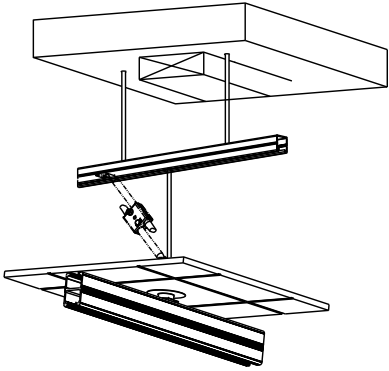
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QC-27846 OW173-1-1		-		1	
		DRAWN BY un021662		DATE 26-févr.-2026	
		SHEET SIZE 11x17	SCALE NTS	PAGE 3 / 6	

NOTES:

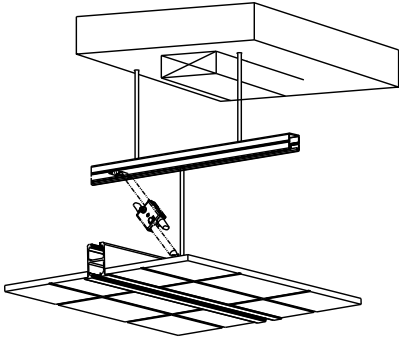
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POUR LE RENFORT LATÉRAL AJUSTABLE, UTILISER LA PIÈCE #700.11360 OU 700.11350 DÉPENDANT DE LA HAUTEUR DU PLAFOND.
REFER TO LATERAL BRACE REQUIREMENTS ANNEX.
SE RÉFÉRER À L'ANNEXE DES RENFORTS LATÉRAUX.
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STANDARD INSTALLATION



EMBEDDED INSTALLATION

METRIC STANDARD METHOD				IMPERIAL STANDARD METHOD			
10	700.11100	TRACK BRACKET KWIKTRAK	1	10	700.11100	TRACK BRACKET KWIKTRAK	1
9	200.11170	12MM KWIKTRAK BRACKET SHIM	1	9	200.11170	12MM KWIKTRAK BRACKET SHIM	1
8	200.11140	CEILING PLATE ø100MM	2	8	200.11140	CEILING PLATE ø100MM	2
7	000.04435	TAB WASHER M10, PLAIN STEEL	1	7	000.04435	TAB WASHER M10, PLAIN STEEL	1
6	000.04430	FLAT WASHER M10, ZINC PLATED STEEL	1	6	000.04430	FLAT WASHER M10, ZINC PLATED STEEL	1
5	000.04356	CONCRETE ANCHOR HKD-E M10 X 40	1	5	000.00423	CONCRETE ANCHOR 3/8-16	1
4	000.04400	NUT M10 ZINC	1	4	000.00405	NUT 3/8-16, ZINC PLATED STEEL	1
3	000.04416	M10 ZINC STOVER LOCKNUT	1	3	000.00402	LOCKNUT STOVER 3/8-16 ZINC PLATED STEEL	1
2	000.04385	THREADED ROD M10 X 3M ZINC	AR	2	000.00394	THREADED ROD 3/8-16 X 10' ZINC PLATED STEEL	AR
1	---	ADJUSTABLE LATERAL BRACE **	AR	1	---	ADJUSTABLE LATERAL BRACE **	AR
Item	P/N Metric	Description (EN)	Qty	Item	P/N Imperial	Description (EN)	Qty

31210.01 REV-4

Safe Working Load (SWL): 272kg (600lbs)

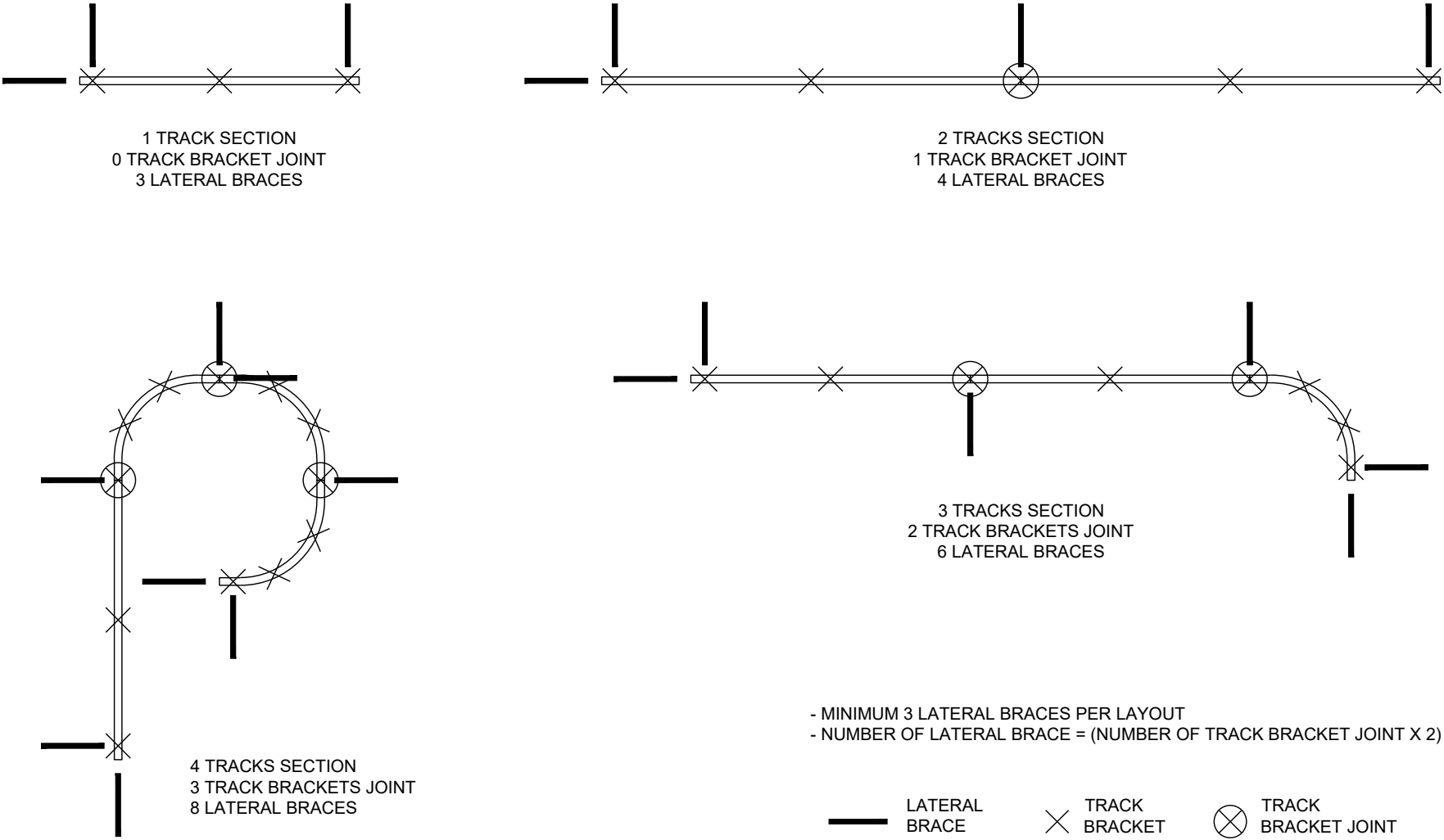
Customer approval: _____ Date: _____

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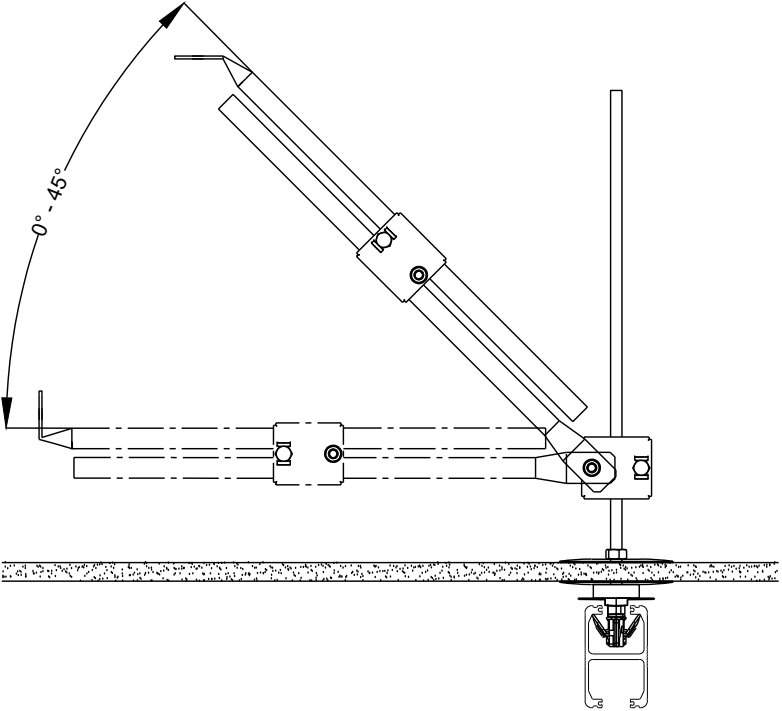
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QC-27846 OW173-1-1	-	1	
	DRAWN BY un021662	DATE 26-févr.-2026	
	SHEET SIZE 11x17	SCALE NTS	PAGE 4 / 6

S995 - LATERAL BRACE IN CONCRETE STRUCTURE

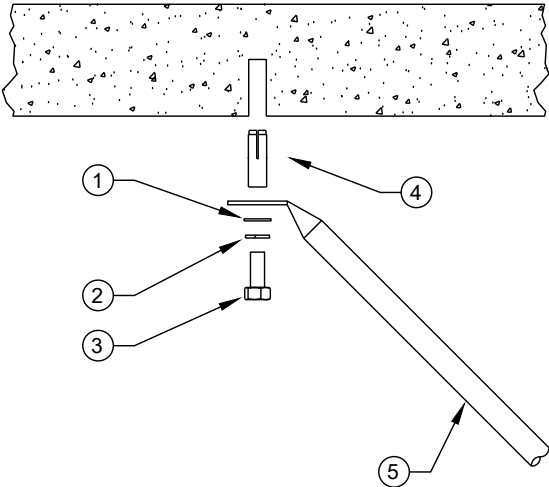
PLACEMENT AND MINIMUM QUANTITIES



ACCEPTABLE ANGLE



HARDWARE



	METRIC		IMPERIAL		
5	700-11350	ADJUSTED LATERAL BRACE - STD	700-11350	ADJUSTED LATERAL BRACE - STD	1
4	000.04356	CONCRETE ANCHOR HKD-E M10 X 40	000.00423	CONCRETE DROP-IN ANCHOR 3/8-16	1
3	000.04090	SCREW M10 X 25 HEX ZINC	000.00357	SCREW 3/8-16 X 1 HEX ZINC	1
2	000.04425	SPLIT LOCKWASHER M10 2.2MM	000.00425	LOCKWASHER 3/8 ZINC PLATED	1
1	000.04430	FLAT WASHER M10 20OD 2TH ZINC	000.04430	FLAT WASHER M10 20OD 2TH ZINC	1
Item	P/N Metric	Description EN	P/N Imperial	Description EN	Qty

Customer approval: _____ Date: _____

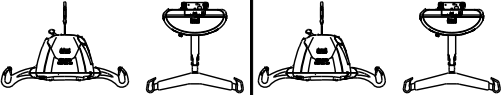
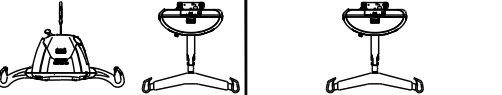
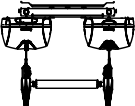
Hospital Clinic De Barcelona

REFERENCE NUMBER QC-27846 OW173-1-1	OPTION -	REVISION 1
arjo	DRAWN BY un021662	DATE 26-févr.-2026
	SHEET SIZE 11x17	SCALE 1:50 PAGE 5 / 6

ARJO KWIKTRAK SPAN CHART & BRACKET FIXATION RULES

Bracket quantity

This table applies only to KWIKtrak rails 180mm, 140mm, 90mm and embedded 90mm, mounted on brackets, mobile tracks of X-Y systems and rails supported using wall posts or wall brackets, notwithstanding the configuration of the support system. All rails supported with regular brackets (#700.11100), joint brackets (#700.11105) and 454 kg (1000 lb) brackets (#700.11204), whatever their length, should be supported by a minimum of three fixation points, distributed as evenly as possible over the length of the rail, and according to the following span chart.

Safe Working Load (SWL)	120 kg 235 lb	200 kg 440 lb	272 kg 600 lb	454 kg 1000 lb			
Motor Compatibility	 Maxi Sky 440 Maxi Sky 2	 Maxi Sky 440 Maxi Sky 2	 Maxi Sky 2	 Maxi Sky 1000	 Maxi Sky 2 Plus		
Installation method	600 lb	600 lb	600 lb	600 lb	600 lb	1000 lb	
Span (maximum distance between two consecutive brackets, two walls or two fixed rails)	Wall to wall 	Wall to wall 	Wall to wall 				
	Straight 	Straight 	Straight 	Straight 	Straight  (load distributed on two tracks)	 (one fixed track can be loaded with the full SWL)	 (load is distributed on the two mobile tracks)
	X-Y System 	X-Y System 	X-Y System 	X-Y System 			
 H90 mm (in)	3400 (133)	2600 (102)	2100 (82)	1400 (55)	2100 (82)	1400 (55)	2100 (82)
	 mm (in) 1000 (39)	1000 (39)	1000 (39)	1000 (39)	1000 (39)	1000 (39)	
 H140 mm (in)	6400 (251)	5100 (200)	4300 (169)	3100 (122)	4300 (169)	3100 (122)	4300 (169)
	 mm (in) 1250 (49)	1250 (49)	1250 (49)	1250 (49)	1250 (49)	1250 (49)	
 H180 mm (in)	7800 (307)	7300 (287)	6200 (244)	4700 (185)	6200 (244)	4700 (185)	6200 (244)
	 mm (in) 1500 (59)	1500 (59)	1500 (59)	1500 (59)	1500 (59)	1500 (59)	

When the rail system is installed in an environment with moisture level higher than 93%, the distance between each ceiling bracket shall respect the span defined in the rows with the  symbol. This value doesn't apply to X-Y systems or wall to wall spans

Exceptions

When rail which length is less than 1000mm (39") and is connected to either a straight rail (fig.1), a curved rail (fig.2), an exchanger (fig.3) or a turntable (fig.4).

fig.1

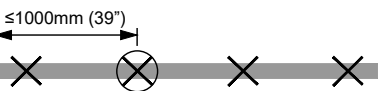


fig.2

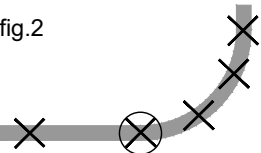


fig.3

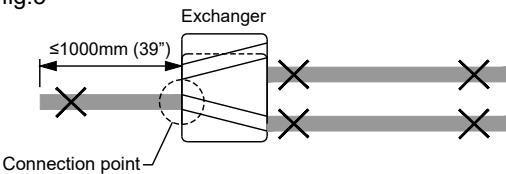
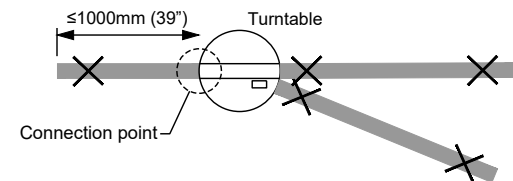


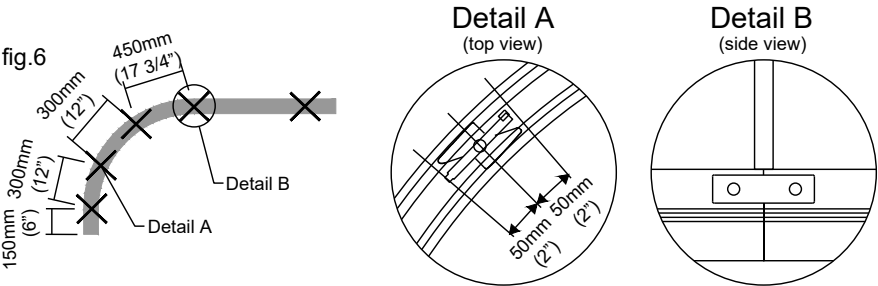
fig.4



Bracket quantity on curved tracks

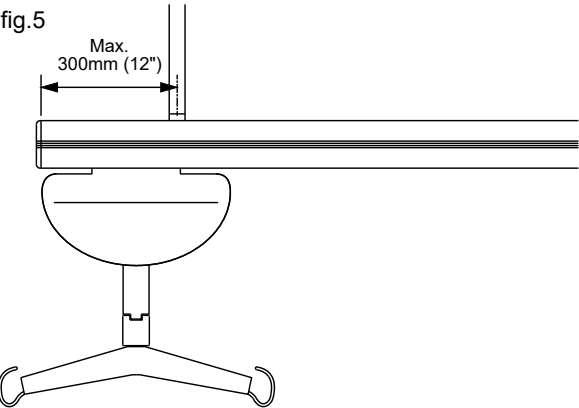
The number of required brackets for all curved tracks is equal to 4, except for curved tracks #700-12841 and #700-12861, which requires five rackets."stallation details described" the"stallation guide. Brackets must be positioned as shown" fig.6.

- In all cases, there must be two regular brackets (#700.11100) uniformly located" the center of the curve (fig.6). A positioning range of ±50mm (2") is acceptable for these two brackets (detail A).
- If the end of the curve is connected to another rail, there must be a joint bracket (#700.11105) at the center of the joint (detail B).
- If the end of the curve is not connected to another rail, a regular bracket (#700.11100) must be used at a distance not exceeding 150mm (6") from this end.



Overhang

The maximum allowable overhang between the last bracket and the end of the rail is 300mm (12") for all types of rails (fig.5).



Customer approval: _____ Date: _____

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REFERENCE NUMBER QC-27846 OW173-1-1		OPTION -		REVISION 1
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