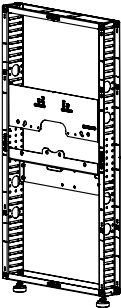
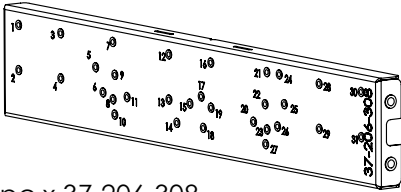
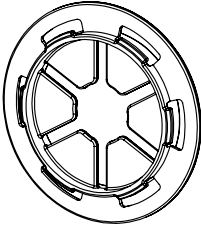
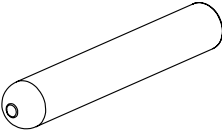
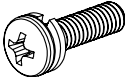
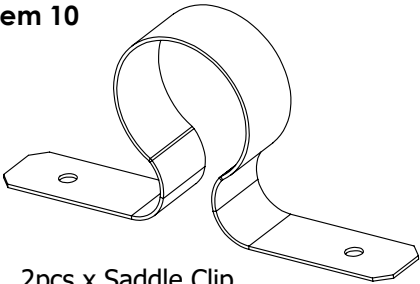
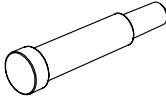
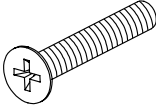
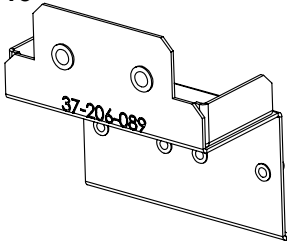
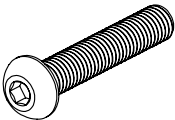


BILL OF MATERIALS		
Item 1  1pc x MOD005-F Frame	Item 2  1pc x 37-206-308 Mounting bracket	Item 3  2pcs x M10x106 mm sq neck carriage bolt
Item 4  4pcs x 37-206-049 Grommet Caroma Round 45mm	Item 5  10pcs x M10 Thin Hex Nut	Item 6  24pcs x 8G x 20mm Galvanised Button Head Self tap Drilling Metal Screw
Item 7  8pcs x M10 Flat Washer	Item 8  6pcs x Round end protection cap for M10 screw	Item 9  12pcs x M4x16 Pan Head Screws with Split Lock Washer
Item 10  2pcs x Saddle Clip	Item 11  2pcs x M6x1.0x16 Pan Head Screw with Split Lock Washer	Item 12  2pcs x 50mm Shoulder Plug for M8
Item 13  6pcs x M10x1.5 Hex nut SS	Item 14  2pcs x M8x50mm CSK phillips screw	Item 15  1pc x Offset Bracket REHAU Elbow Assy
Item 16  2pcs x M4x5mm pan head php dr screw	Item 17  6pcs x M10x50mm Button Head Hex Drive Screw	

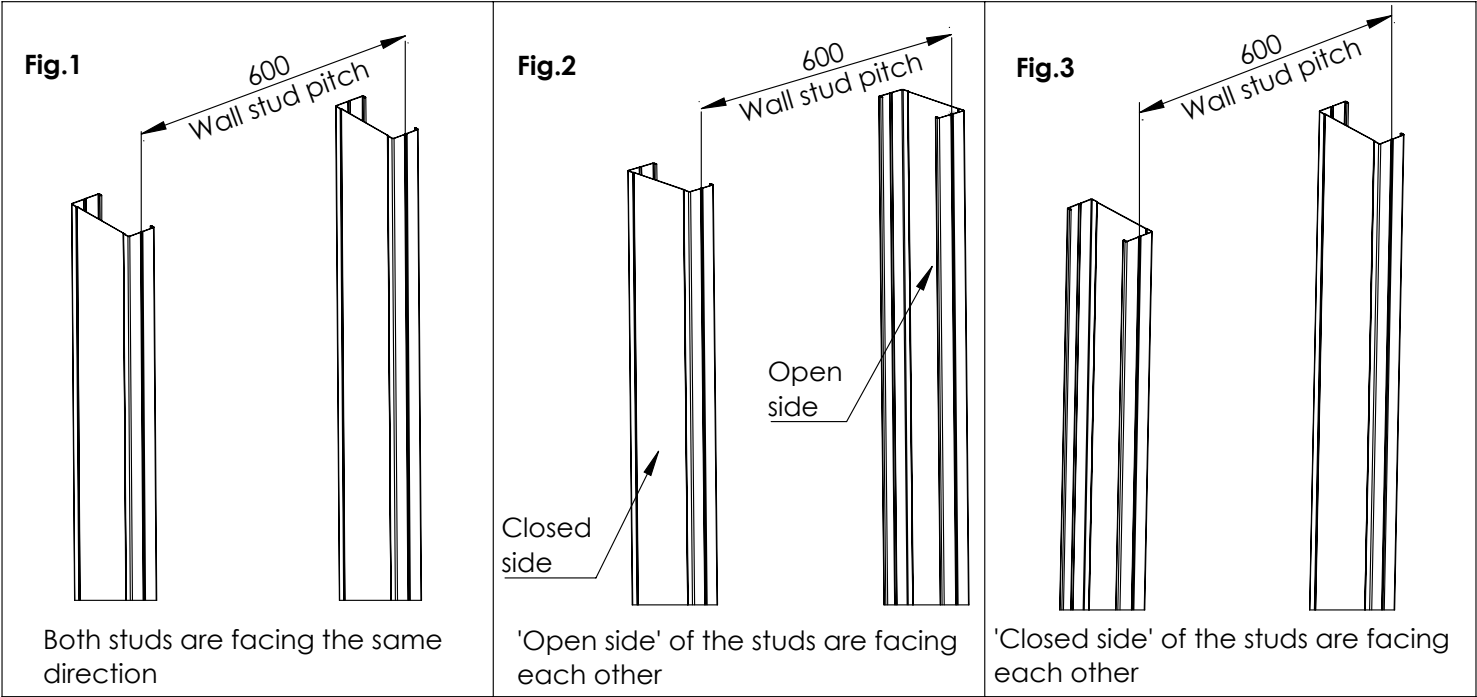
INSTALLATION INSTRUCTIONS
MOD005 - MODULAR FRAME FOR MEDICAL BASIN
WALL TAP KIT AND SPARE PART KIT

WARNING!
WEAR SAFETY GLOVES & SAFETY SHOES AT ALL TIMES DURING ASSEMBLY & INSTALLATION

IMPORTANT
WHEN TIGHTENING STAINLESS STEEL SCREWS, APPLY A LUBRICANT TO THE THREADED AREA TO MINIMISE SEIZING.

NOTE
ALL MEASUREMENTS SHOWN ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.

Modular frame supports below wall stud configurations:



Modular frame support below wall stud cross-sections:

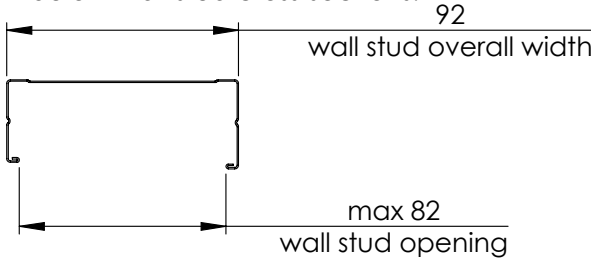


Fig.4

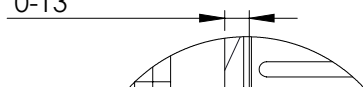
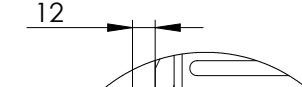
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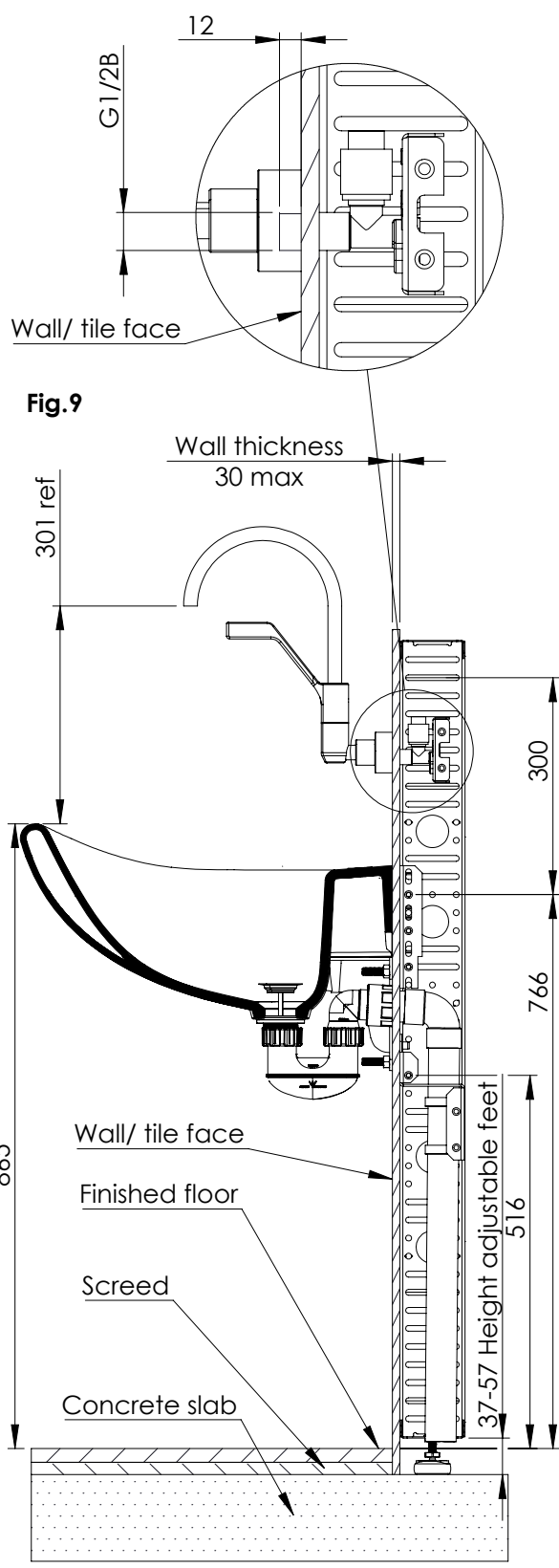
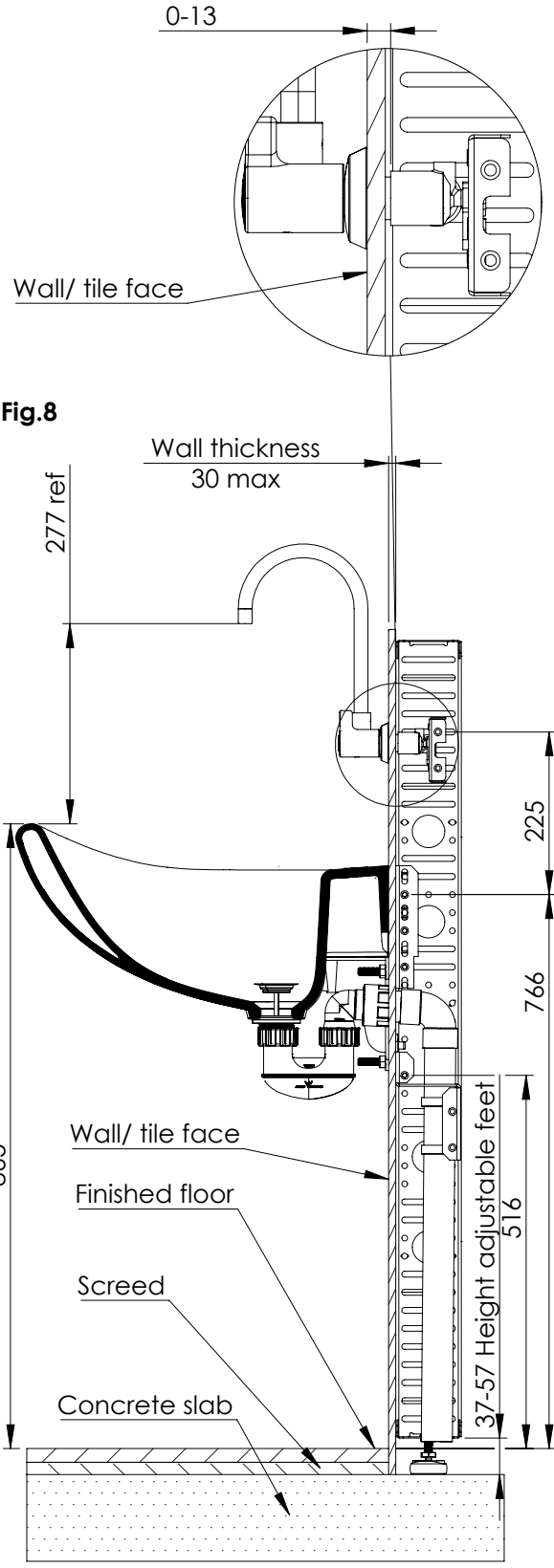
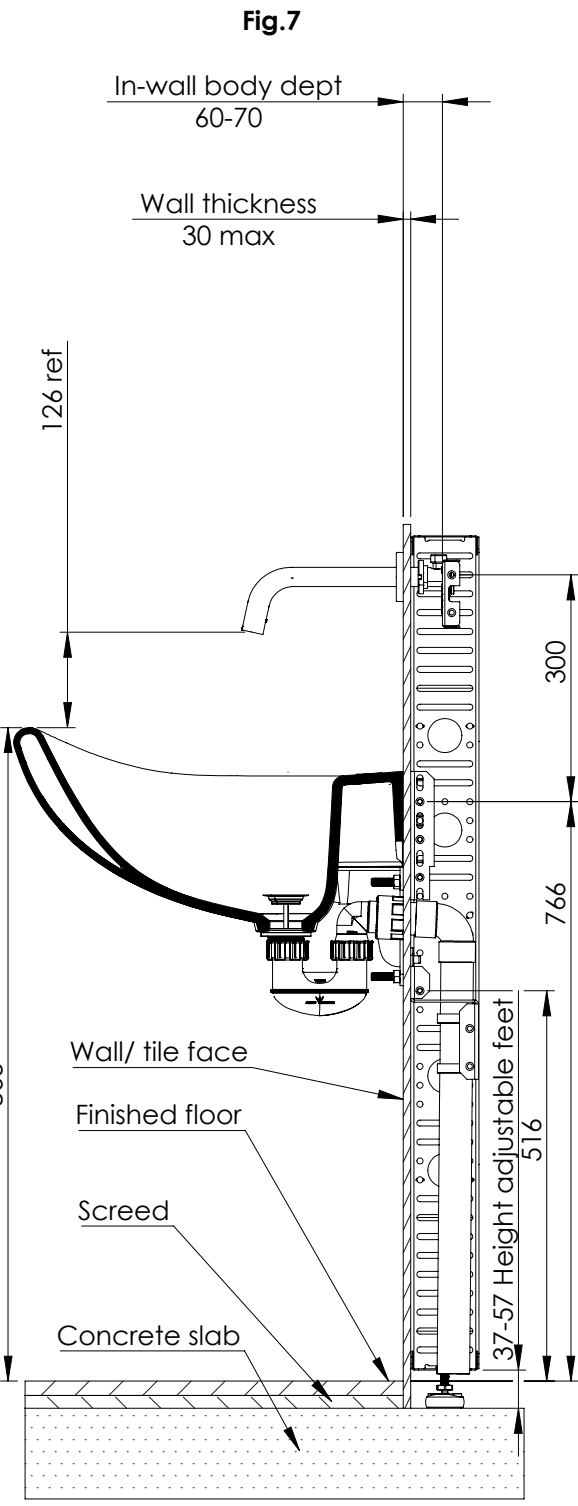
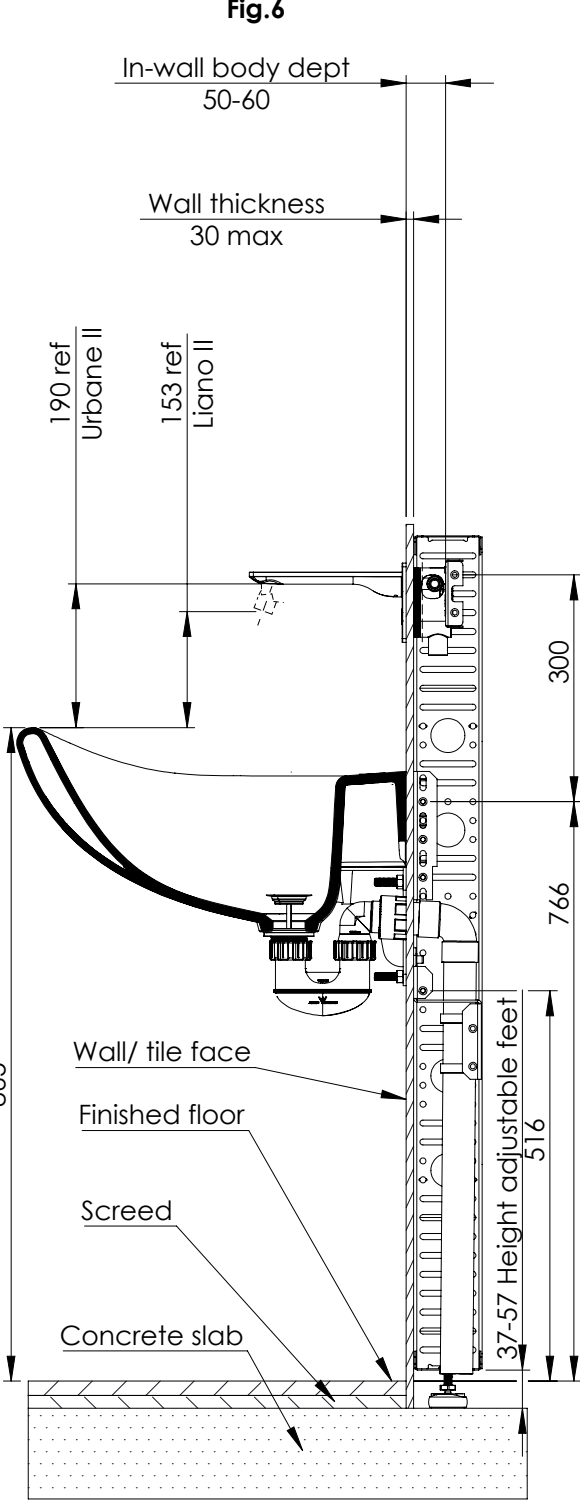
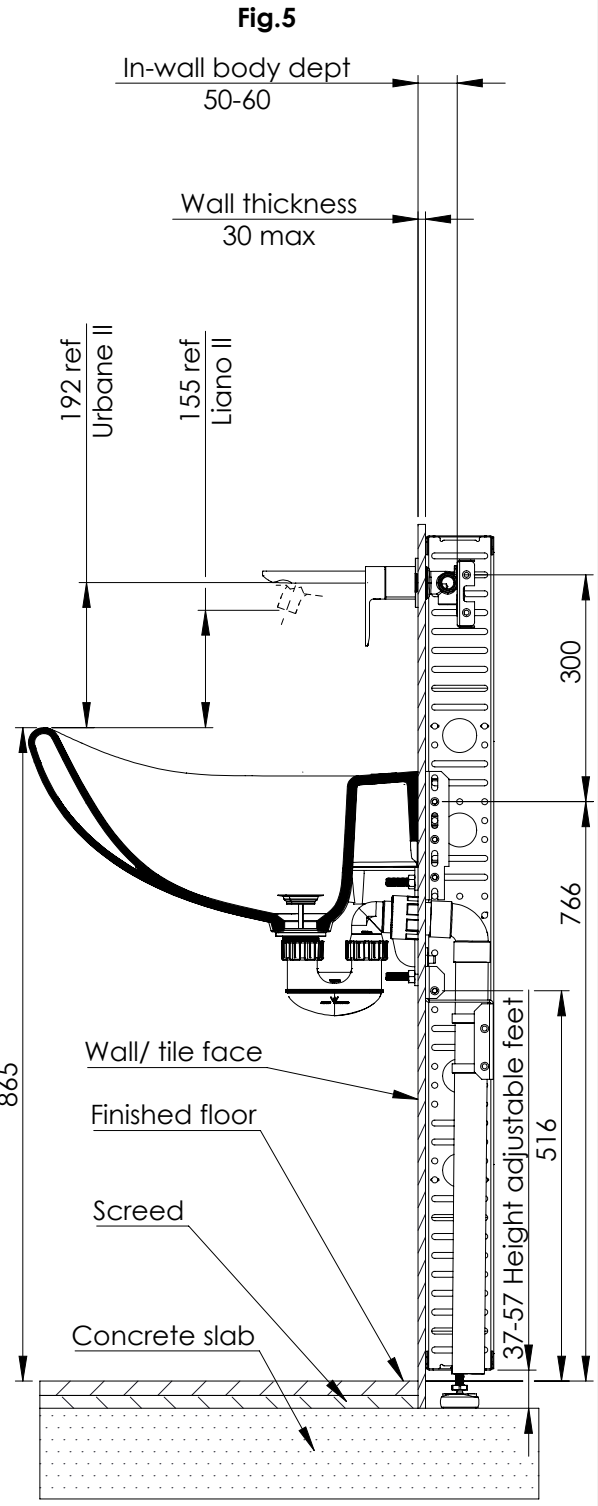
Wall Stud Brand	Part Number
RONDO	RON251, RON495, RON681
SINIAT	WSL92-055-xy, WSL92-075-xy, WSL92-115-xy

Table 1

FOR INSTALLED PRODUCT MEASUREMENTS REFER PAGES 2 TO 3.

Basin	814678W, 814541W Medical Basin
Trap	Short P trap 102115

Product codes	Description	Product codes	Description	Product codes	Description	Product codes	Description	Product codes	Description		
In-wall body kit		In-wall body kit		In-wall body kit		In-wall body kit		In-wall body kit			
99635F	Caroma easyswitch universal wb/ bath mixer inwall body-LF	99682	Universal Rough-in Kit – Sensor Wall Outlet Tap	98469	Smart Command Etap Wall Outlet (no back plate) - Rough In Kit	9504632	ARDENT SINK BREECH 200C NO TAILS B_E	1456180	Rehau Edge Male Lugged Elbow 16mm x G1/2" (90)		
Trim kit		Trim kit		Trim kit		Trim kit		Trim kit			
96348C6A	Liano II 175mm WB Trim Kit	96387C6A	Liano II sensor 175mm wall outlet tap - Trim Kit	98492C6A	CSC electronic wall outlet trim kit	G92880C4A	G Series+ Concealed Wall Sink Set (160mm outlet)	G53380C4A	G Series+ Exposed Wall Sink Set (160mm outlet)		
96356C6A	Liano II 210mm WB Trim Kit	96389C6A	Liano II sensor 210mm wall outlet tap - Trim Kit			G92980C4A	G Series+ Concealed Wall Sink Set (200mm outlet)	G53480C4A	G Series+ Exposed Wall Sink Set (200mm outlet)		
99638C6A	Urbane II 180mm WB Trim Kit	99675C6A	Urbane II sensor 180mm wall outlet								
99645C6A	Urbane II 220mm WB Trim Kit	99677C6A	Urbane II sensor 220mm wall outlet								



Product codes	Description
In-wall body kit	
99635F	Caroma easyswitch universal wb/ bath mixer inwall body-LF
Trim kit	
96348C6A	Liano II 175mm WB Trim Kit
96356C6A	Liano II 210mm WB Trim Kit
99638C6A	Urbane II 180mm WB Trim Kit
99645C6A	Urbane II 220mm WB Trim Kit

Product codes	Description
In-wall body kit	
99682	Universal Rough-in Kit – Sensor Wall Outlet Tap
Trim kit	
96387C6A	Liano II sensor 175mm wall outlet tap - Trim Kit
96389C6A	Liano II sensor 210mm wall outlet tap - Trim Kit
99675C6A	Urbane II sensor 180mm wall outlet
99677C6A	Urbane II sensor 220mm wall outlet

Product codes	Description
In-wall body kit	
98469	Smart Command Etap Wall Outlet (no back plate) - Rough In Kit
Trim kit	
98492C6A	CSC electronic wall outlet trim kit

Product codes	Description
In-wall body kit	
9504632	ARDENT SINK BREECH 200C NO TAILS B E
Trim kit	
G92880C4A	G Series+ Concealed Wall Sink Set (160mm outlet)
G92980C4A	G Series+ Concealed Wall Sink Set (200mm outlet)

Product codes	Description
In-wall body kit	
1456180	Rehau Edge Male Lugged Elbow 16mm x G1/2" (90)
Trim kit	
G53380C4A	G Series+ Exposed Wall Sink Set (160mm outlet)
G53480C4A	G Series+ Exposed Wall Sink Set (200mm outlet)

Fig.10

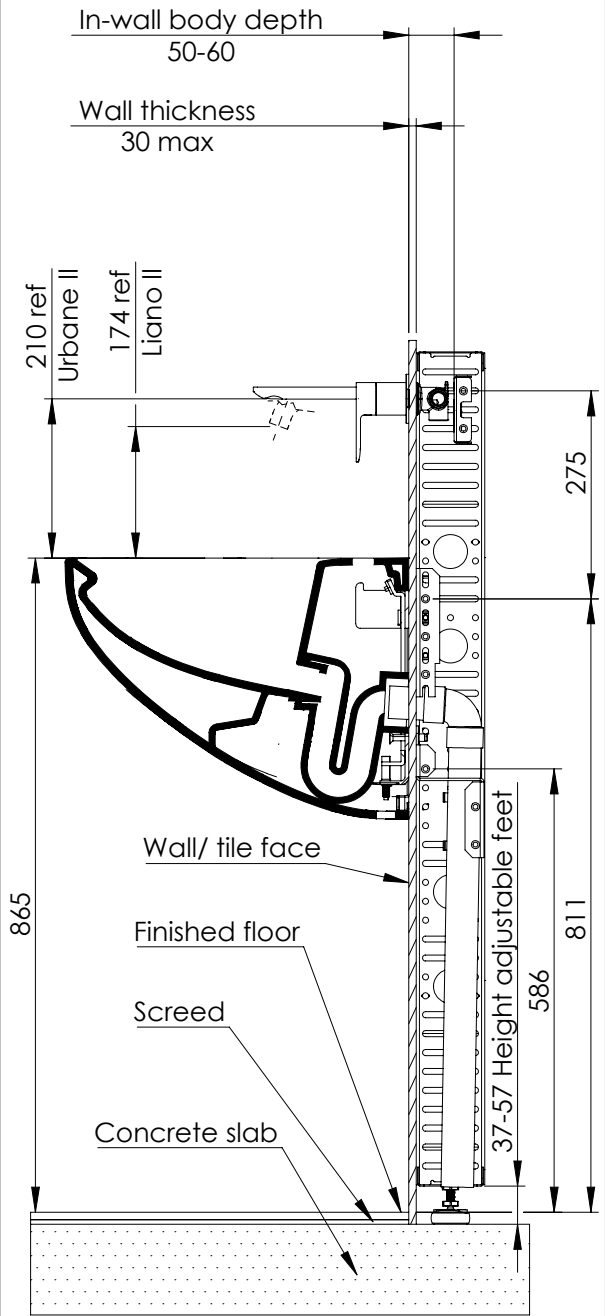


Fig.11

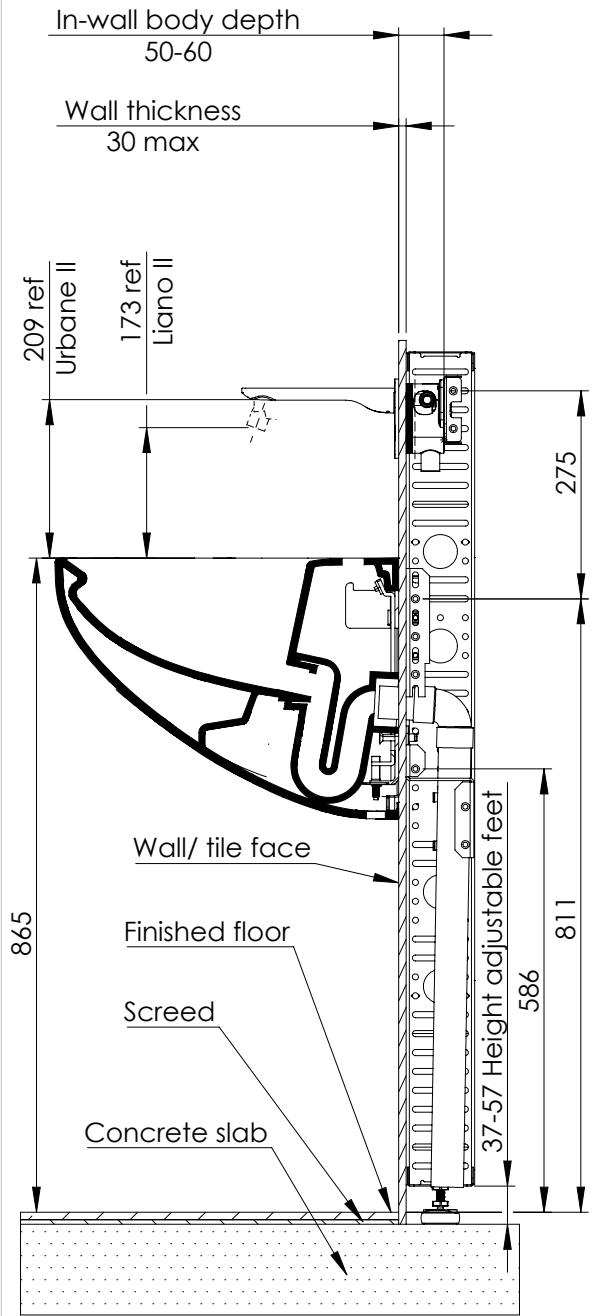


Fig.12

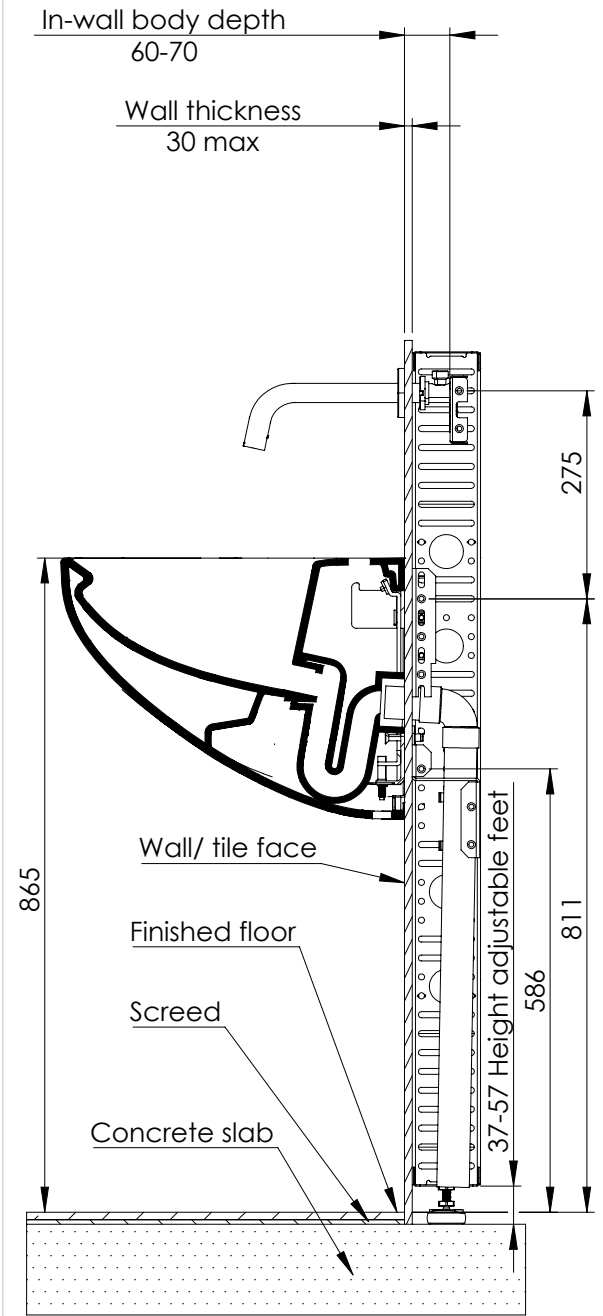


Fig.13

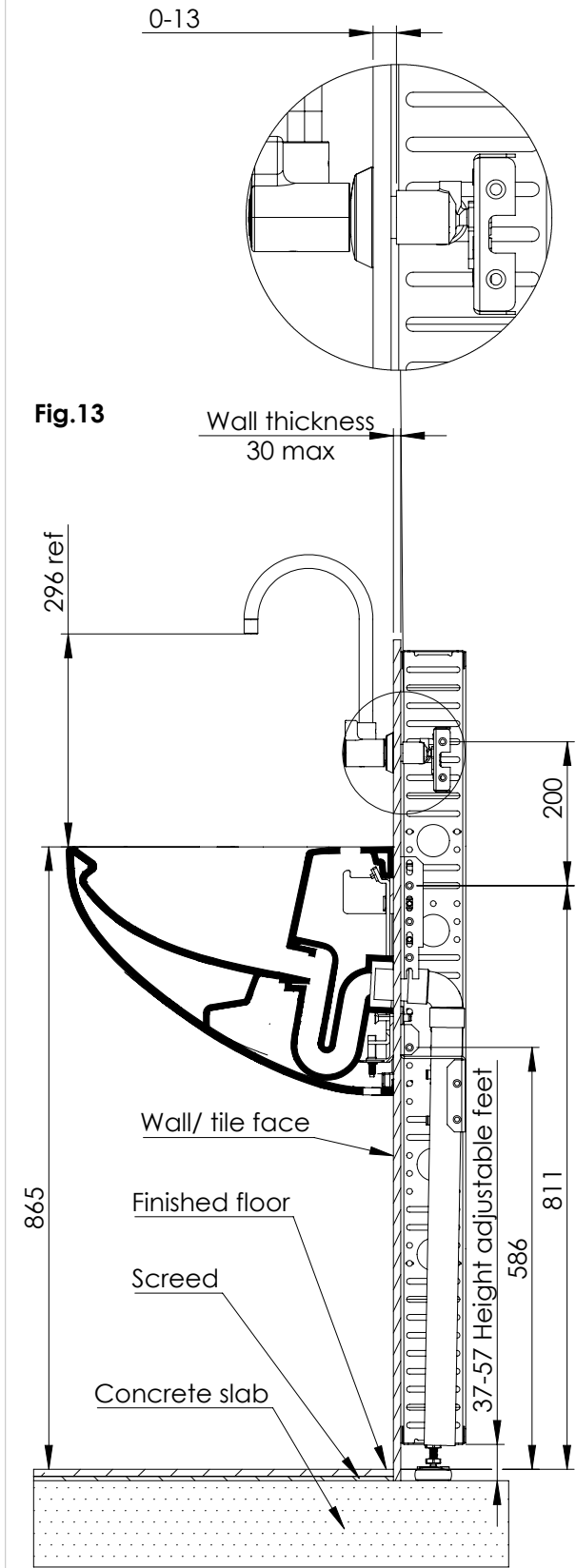
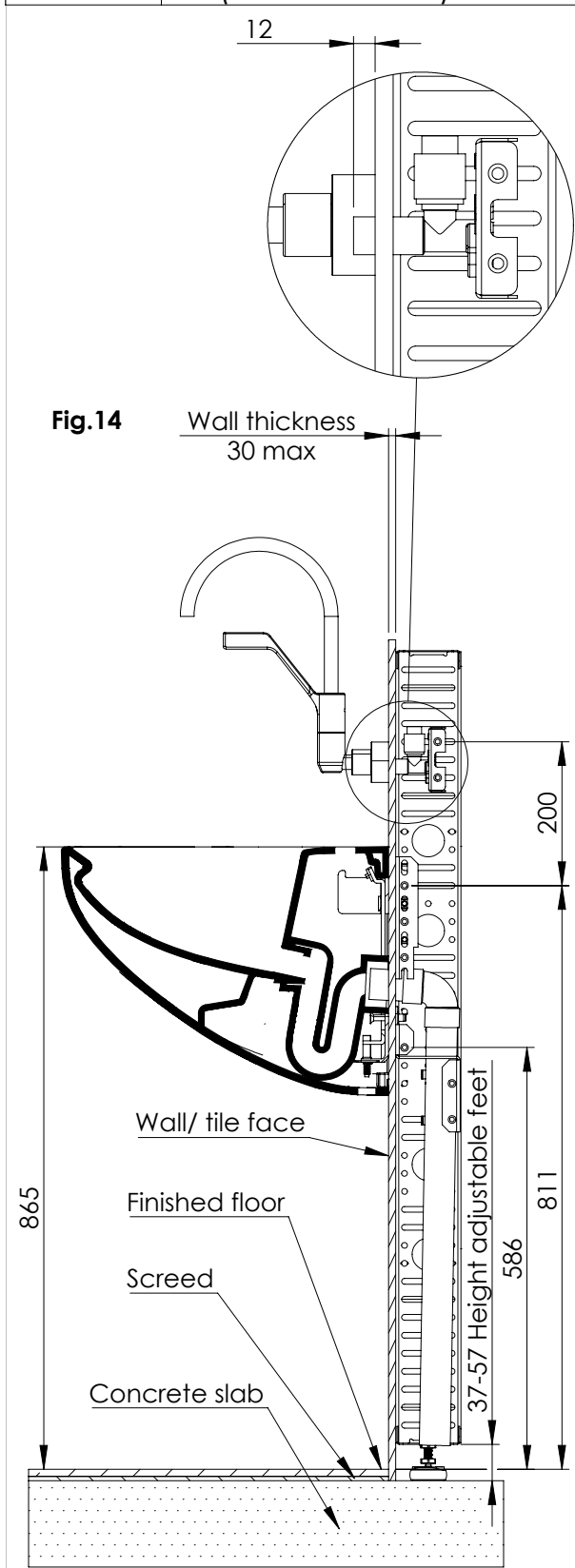
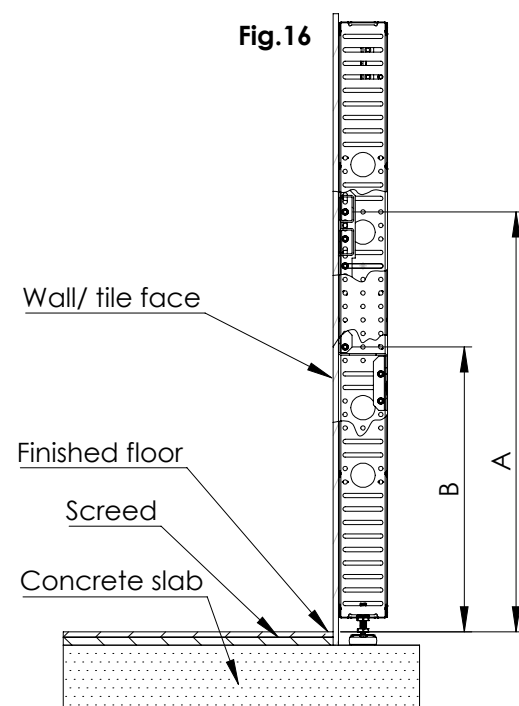
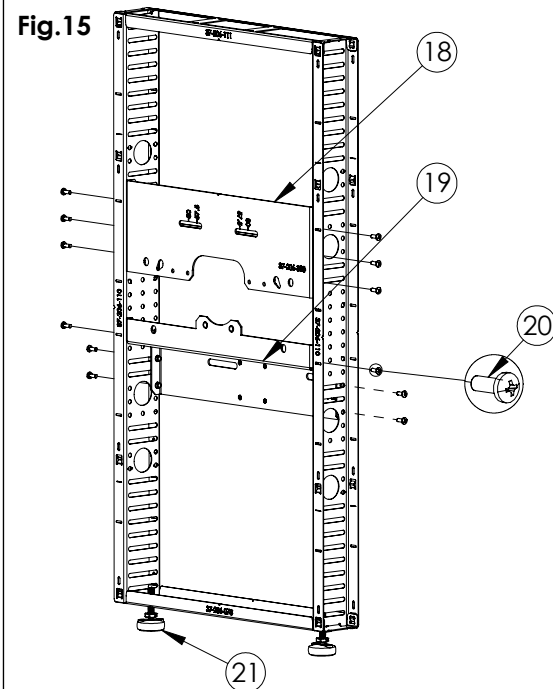


Fig.14



1. BASIN MOUNTING BRACKET INSTALLATION



- i) For ease of assembling, lay the frame on its back on a flat surface.
- ii) Identify the basin to mount.
- iii) Refer **Table 2** to identify the **basin mounting bracket (18)** & **bottom mounting bracket (19)** positions.
- iv) Fit the two brackets 18 & 19 to the frame using 12pcs **M6 screws (20)** as shown in **Fig.15**.

Table 2

Basin	A*	B
MEDICAL	766	516
CLINIC 600	811	586

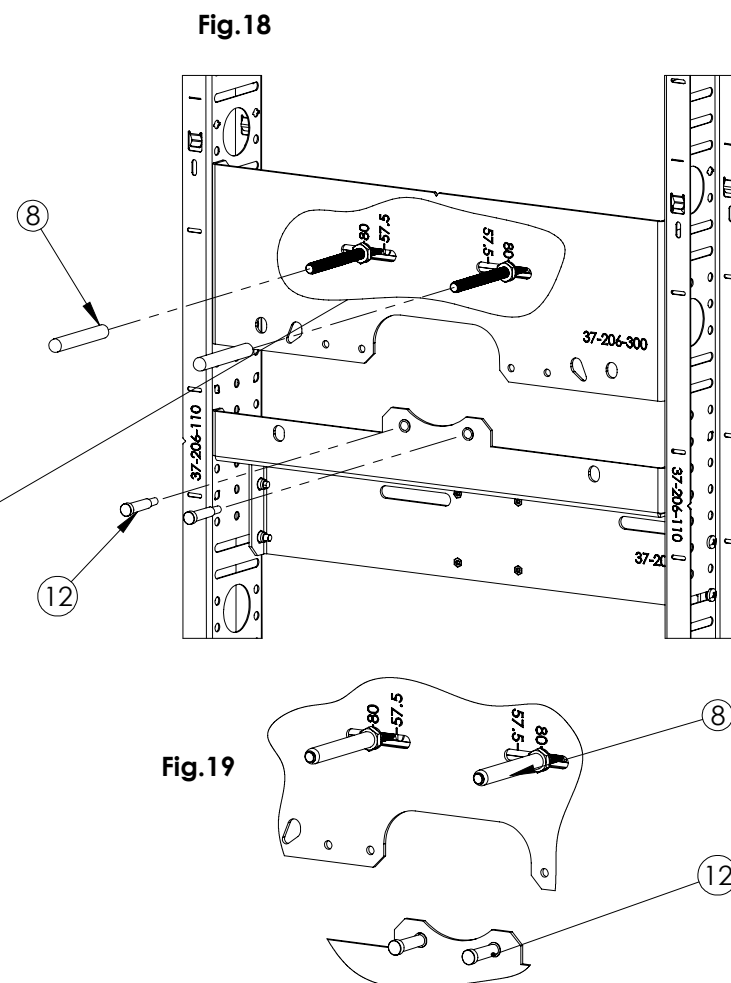
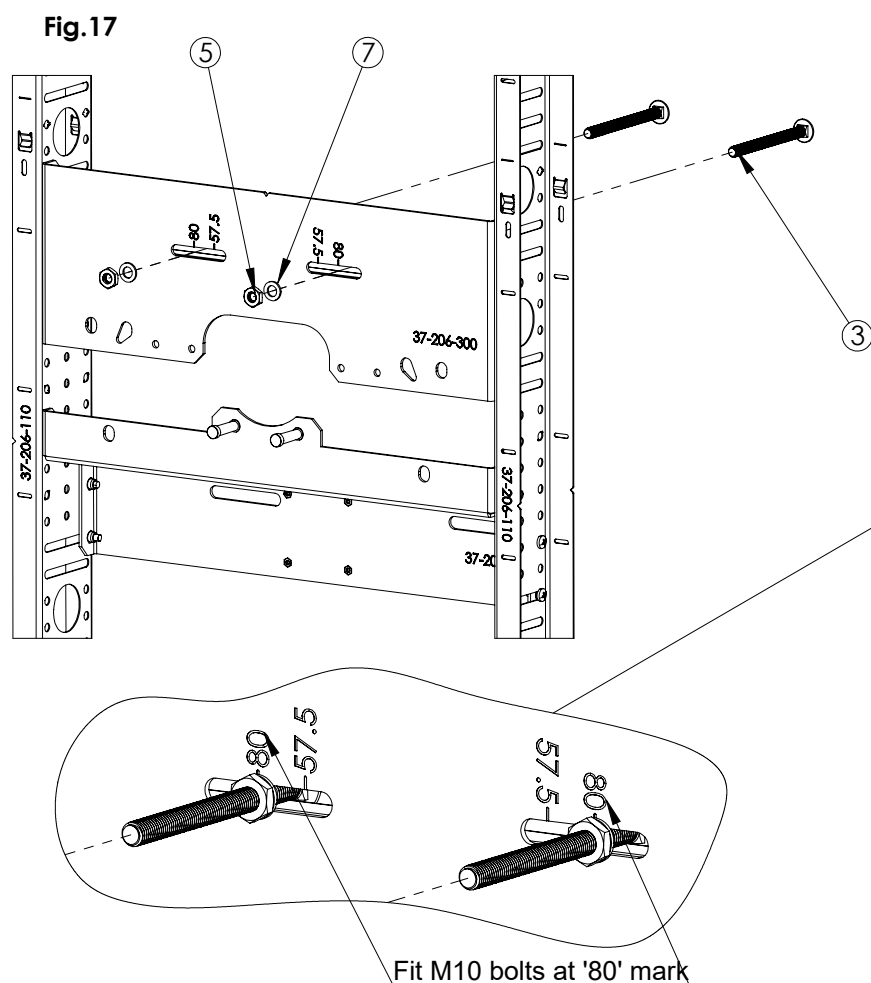
All measurements are in mm

* If required, use the **adjustable feet** (21) to adjust the frame height.

2. BASIN HOLDER/ MOUNTING BRACKET FASTENER INSTALLATION

2a) Clinic 600 basin

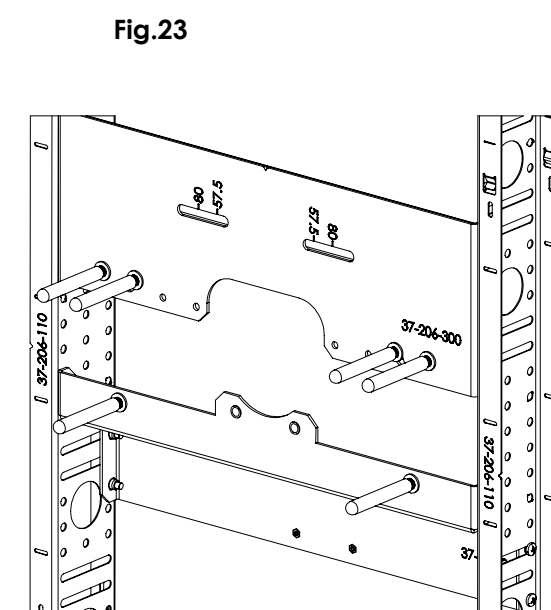
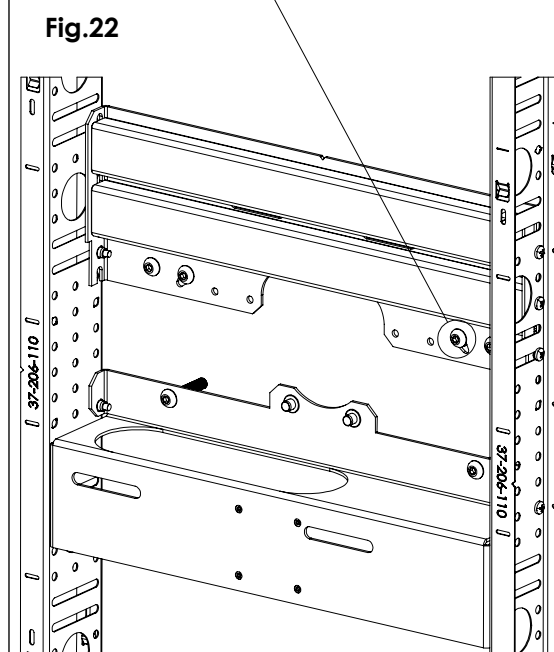
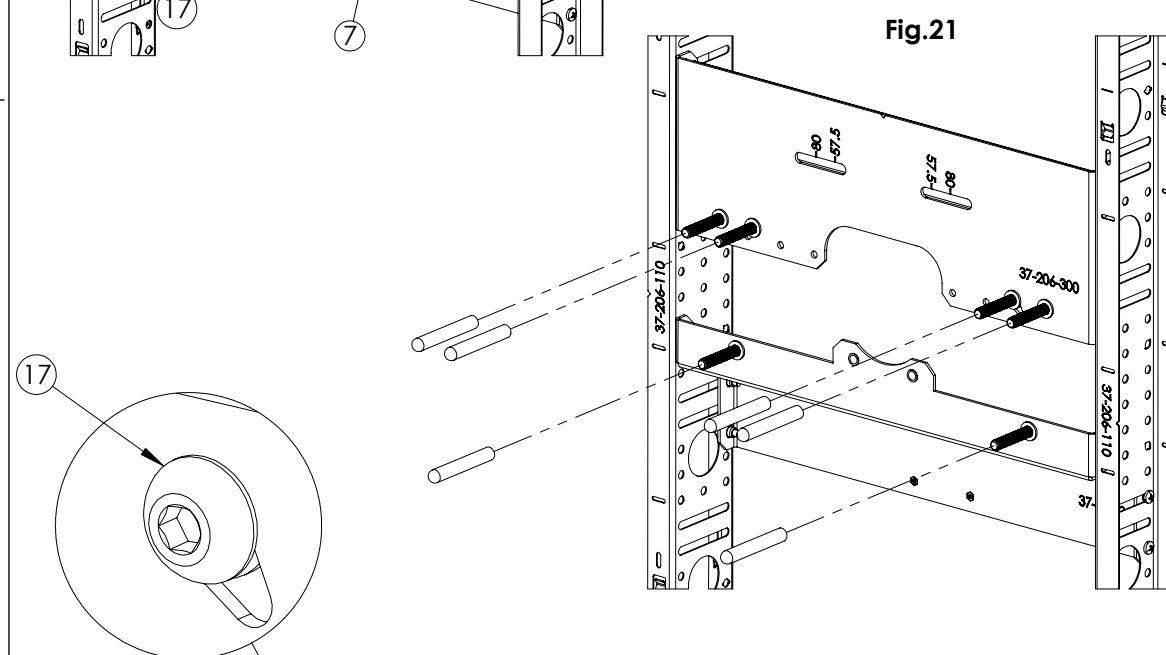
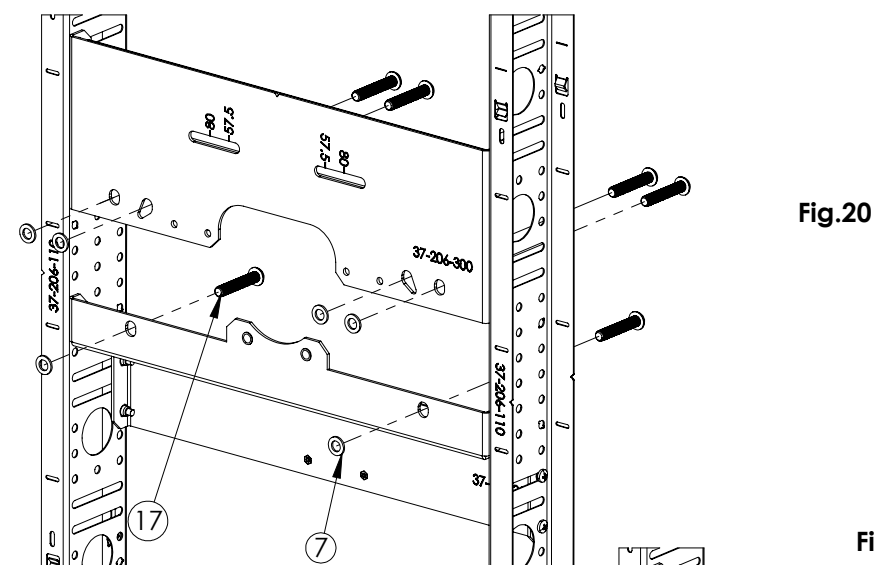
- i) Install 2x **M10x106 mm sq neck carriage bolts** (3), 2 x **M10 flat washers** (7) & 2 x **M10 thin hex nuts** (5) on **basin mounting bracket** (18) as shown in **Fig.17 & Fig. 18**.
- ii) Fit **thread protection caps** (8) & **shoulder plugs** (12) as shown in **fig.18 & Fig. 19**.
Keep the protection caps & shoulder plugs on the frame till the masonry work is completed.



2b) Medical basin

- i) Fit 6 x **M10 button head hex screws** (17), 6 x **M10 flat washers** (7) & 6 x **M10 thin hex nuts** (5) as shown in **Fig.20 & Fig. 22**.
- ii) Fit **thread protection caps** (8) as shown in **Fig.21 & Fig. 23**.

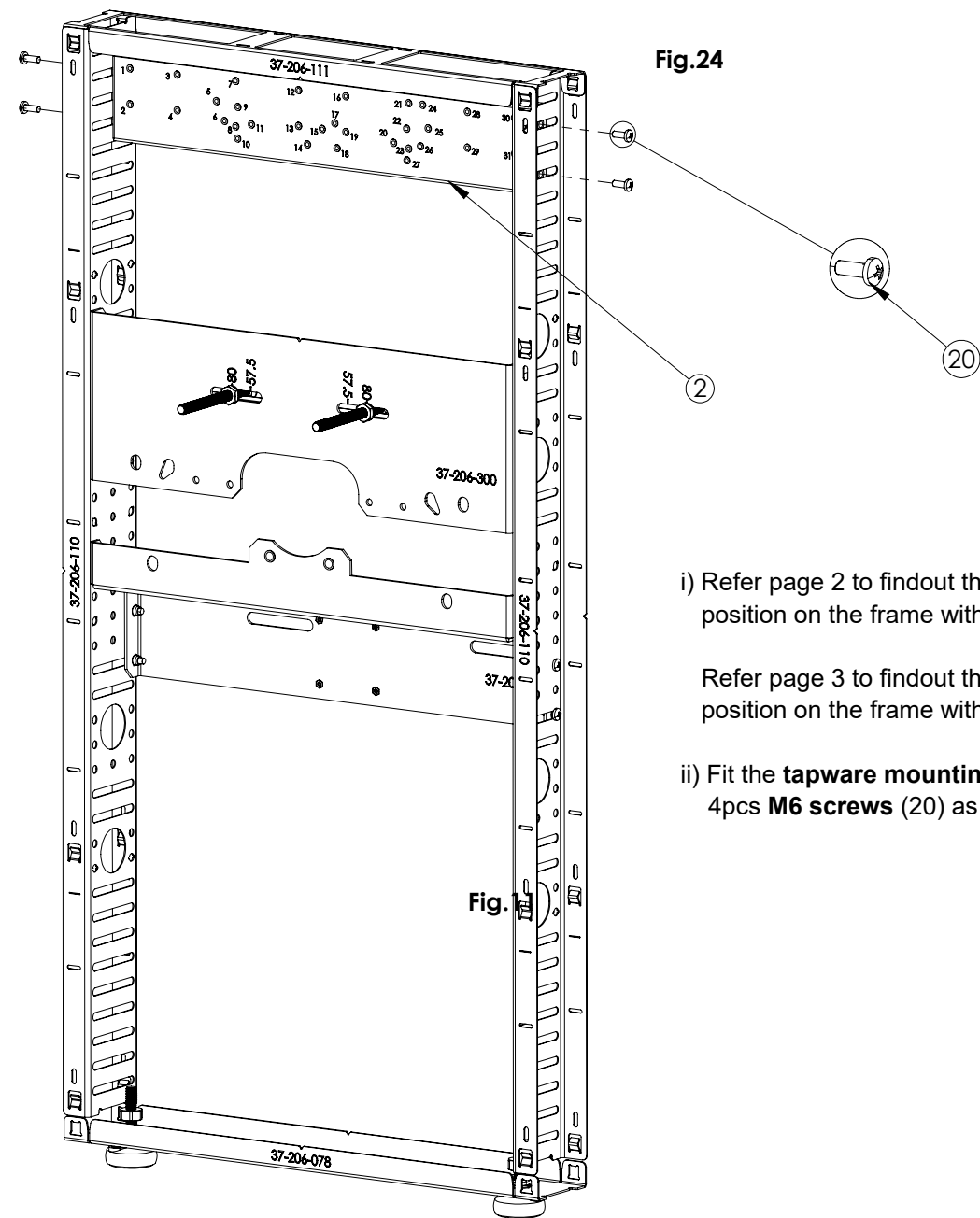
Keep the above fitted protection caps & shoulder plugs on the frame till the masonry work is completed.



3. TAPWARE MOUNTING BRACKET INSTALLATION

Refer table-3 for the compatible wall tap & in-wall body kits.

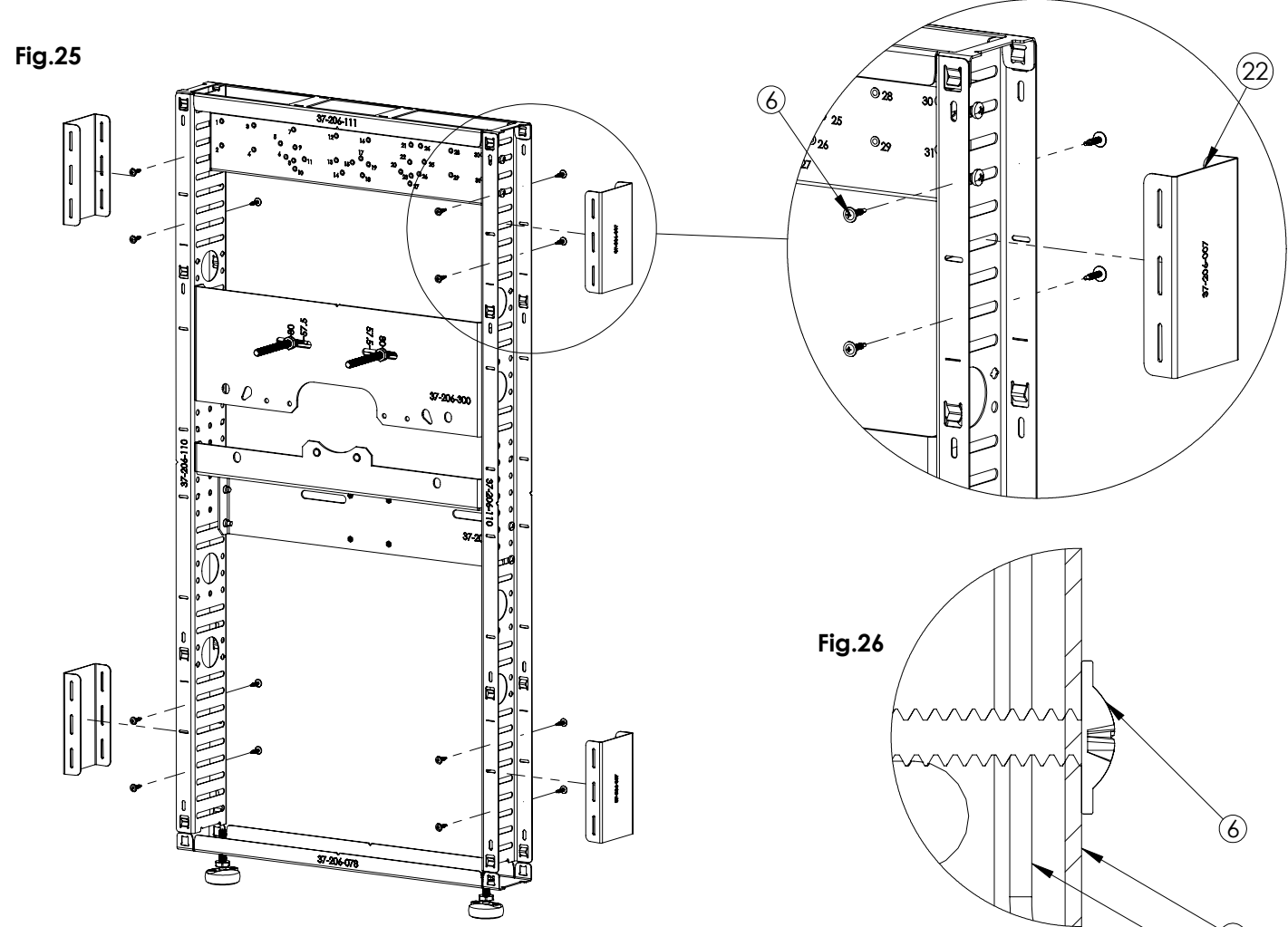
Table 3	
Tapware mounting bracket p/n	Compatible wall tap kit p/n
37-206-308	Liano II & Urbane II WB Trim Kit with Caroma easyswitch universal wb/ bath mixer inwall body (99635)
	Liano/Urbane Sensor Taps with Universal Rough-in Kit – Sensor Wall Outlet Tap (99682)
	Caroma Smart Command Electronic Wall Outlet Trim Kit with Caroma Smart Command Inwall Body (98469)
	G SERIES+ CONCEALED WALL SINK SET with ARDENT SINK BREECH 200C NO TAILS B_E (9504632)
	G SERIES+ EXPOSED WALL SINK SET with Rehau Edge Male Lugged Elbow 16mm x G1/2" (1456180)
	Roughing kit 99683 for soap dispenser



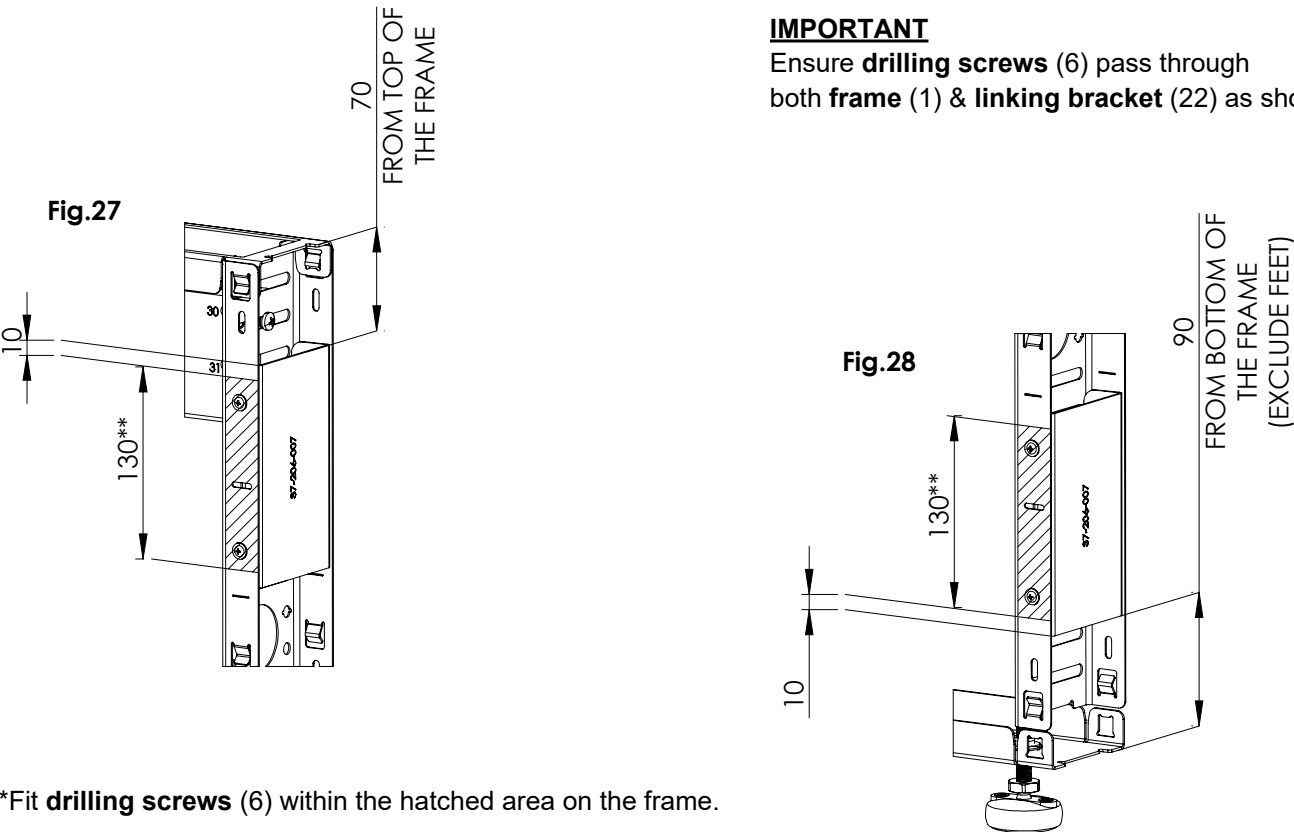
- i) Refer page 2 to findout the **tapware mounting bracket (2)** position on the frame with medical basin.
- Refer page 3 to findout the **tapware mounting bracket (2)** position on the frame with clinic 600 basin.
- ii) Fit the **tapware mounting bracket (2)** on the **frame (1)** with 4pcs **M6 screws (20)** as shown in **fig.24**.

4. INSTALLATION OF LINKING BRACKETS

- i) Position and fit the four **linking brackets (22)** using 16pcs **drilling screws (6)** as shown in **fig.25**.
- ii) Refer **Fig.27 & Fig.28** for **drilling screw (6) & linking bracket (22)** positions on the **frame (1)**.



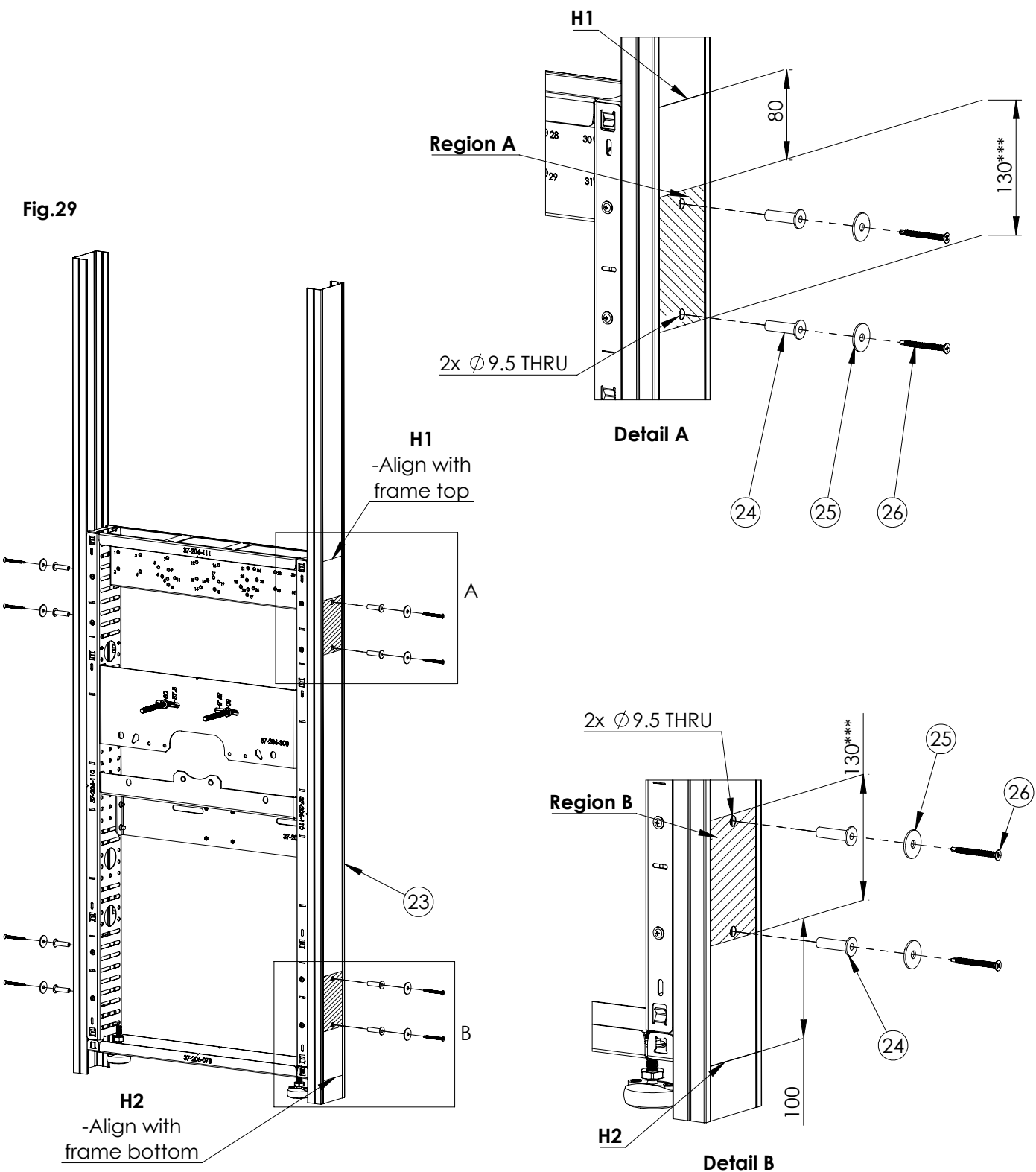
IMPORTANT
Ensure **drilling screws (6)** pass through both **frame (1) & linking bracket (22)** as shown in **fig. 26**.



Fit **drilling screws (6) within the hatched area on the frame.

5. MOUNTING THE FRAME ON WALL STUDS

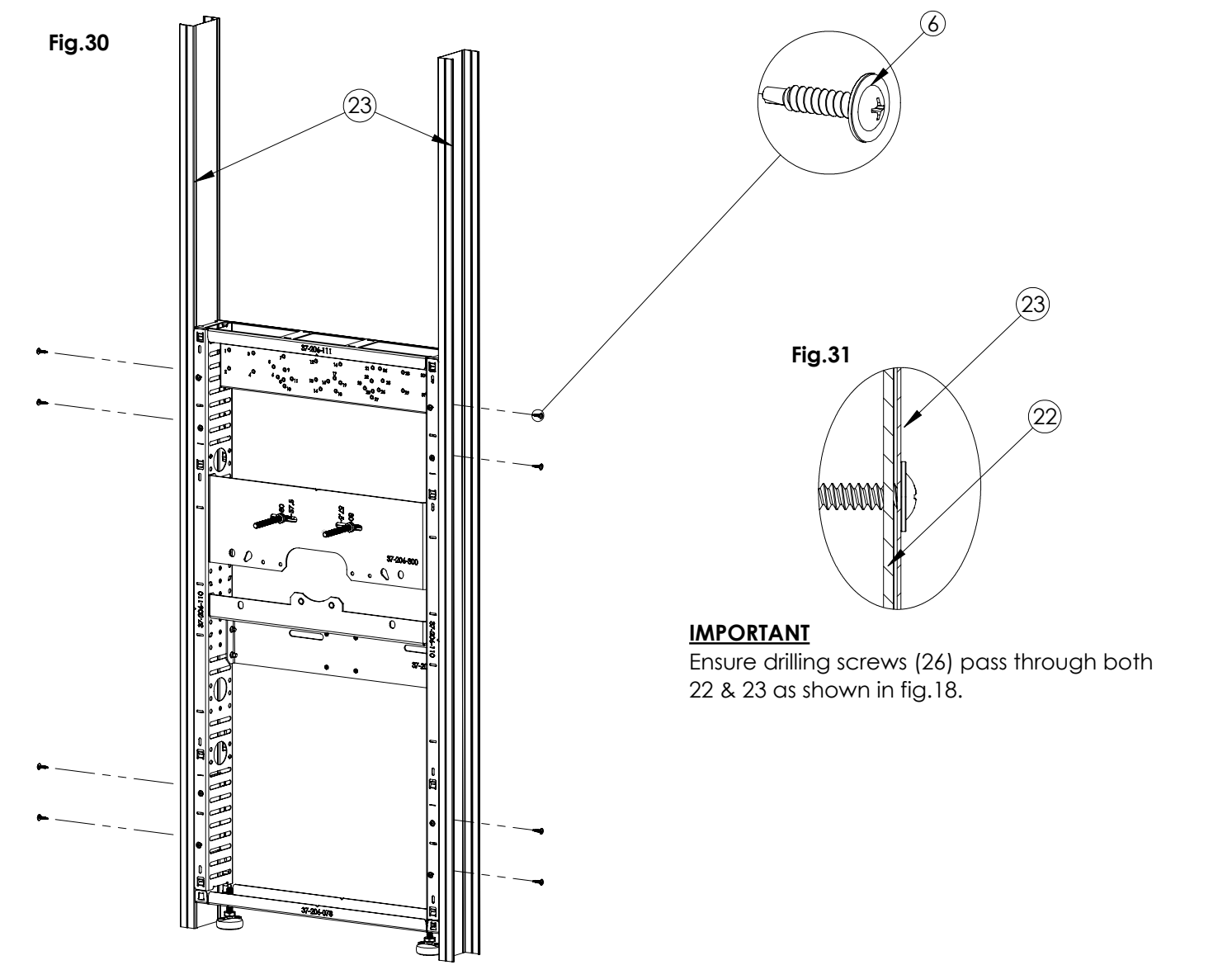
- i) If the wall stud orientation is as shown in **Fig.2:**
Use **MODKIT** (sold separately), see **Fig. 32**.
a) Refer **Fig.29** & mark **H1** & **H2** on the **wall stud** (23).
b) Identify the **Regions A** & **B** and drill 4x dia. 9.5mm holes on **wall stud** (23) anywhere within the regions as detailed in **Detail A** & **Detail B**.
c) Insert the **shoulder washer** (24), fit the **drill screw** (26) & **flat washer** (25) as shown in **Detail A** & **Detail B**.
d) Repeat steps a) to c) on the stud on the other side as well.



e) To install the basin, refer installation guide lines of the relevant basin

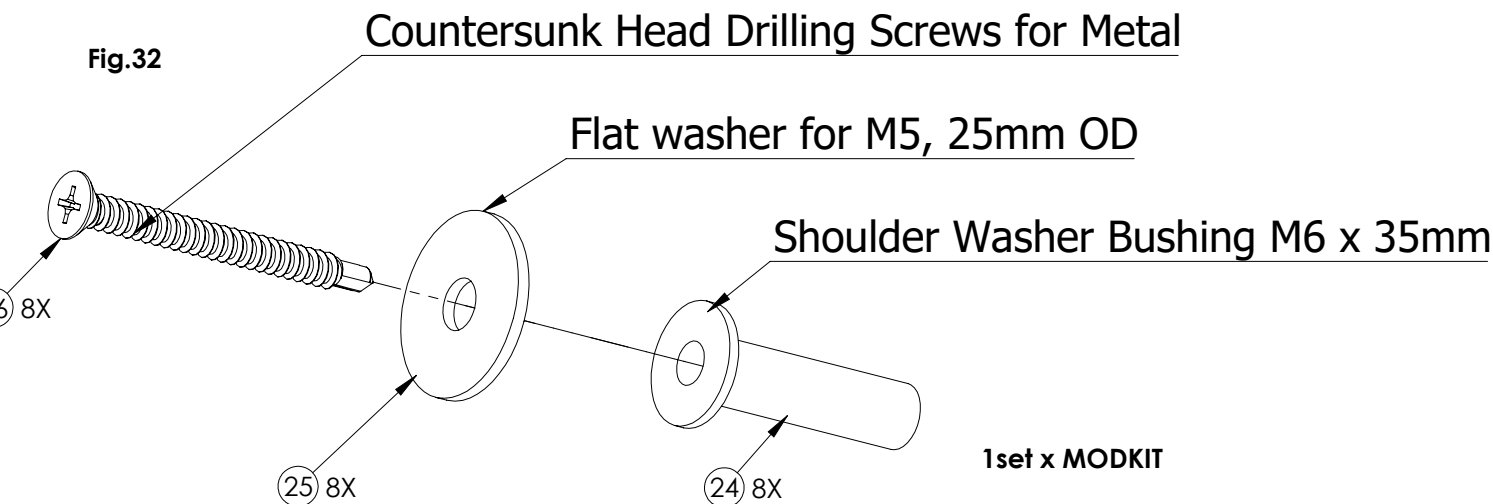
***Fit **drilling screws** (26) inside the hatched area of the wall stud.

- ii) If the wall stud orientation is as shown in **Fig. 3:**
a) Fit the frame to the **wall studs** (23) using 8pcs **drilling screws** (6) as detailed in **Fig.30** & **Fig.31**.



IMPORTANT
Ensure drilling screws (26) pass through both 22 & 23 as shown in fig.18.

- iii) If the wall stud orientation is as shown in **Fig. 1:**
Follow step 5, i) to fit the frame to the 'open side' of the wall stud and step 5, ii) to fit the frame to the 'open side' of the wall studs.



6. DWV PIPE FITTING

- i) Install DWV pipes as detailed below:
Medical WB: **Table4, Fig. 33 & Fig. 34**
Clinic 600 WB: **Table4, Fig.35 & Fig.36**
- ii) Fit two **saddle clips** (10) with 2pcs **M4 screws** (16) to secure the DWV pipes.
- iii) Install **REHAU elbow mounting bracket** (15) on **bottom mounting bracket** (19) and secure it in place with 2x **M6x16 screw** (11).
- iv) Fit **REHAU elbows** (27 - not supplied) on **REHAU elbow mounting bracket** (15) & secure with 6pcs **M4x16 screws** (9) as detailed in **Fig.37 & Fig.38**.

	40mm 88° Female And Female PVC DWV Plain Bend	40mm Straight PVC DWV Pipe
Item number	28	29

table 4

6.1) Medical basin

Fig.33

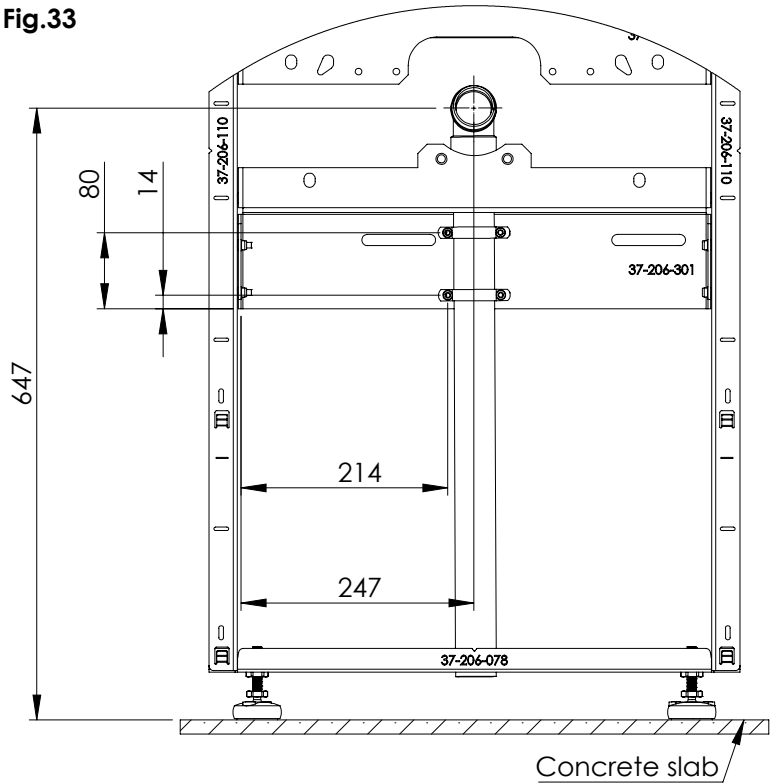


Fig.34

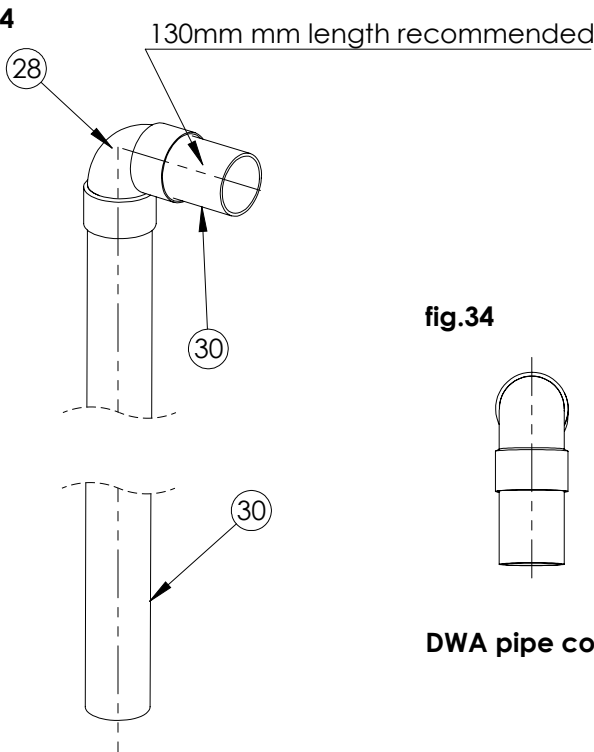


fig.34

DWA pipe config.

6.2) Clinic 600 WB

Fig.35

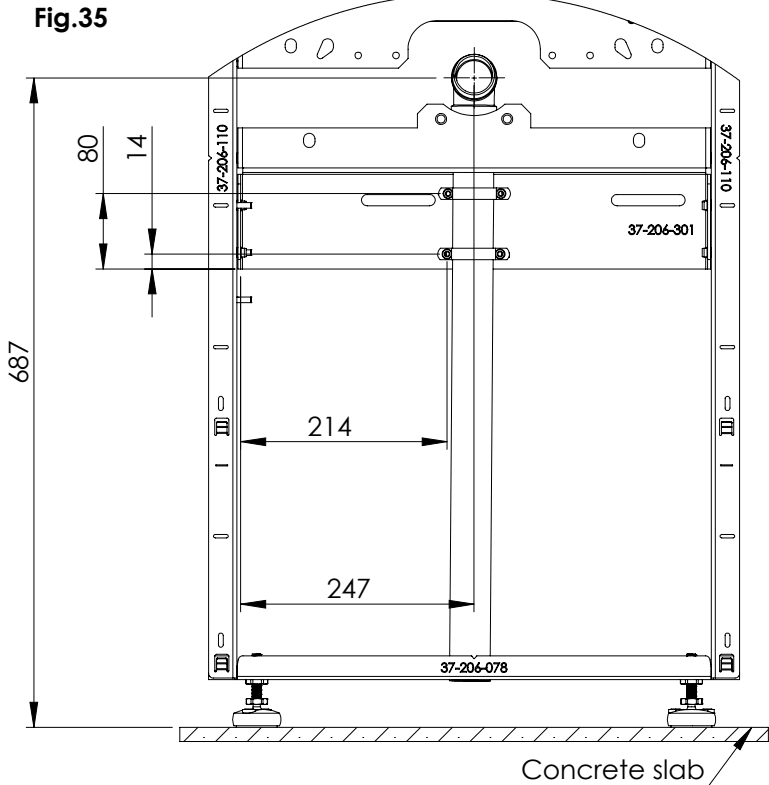


Fig.36

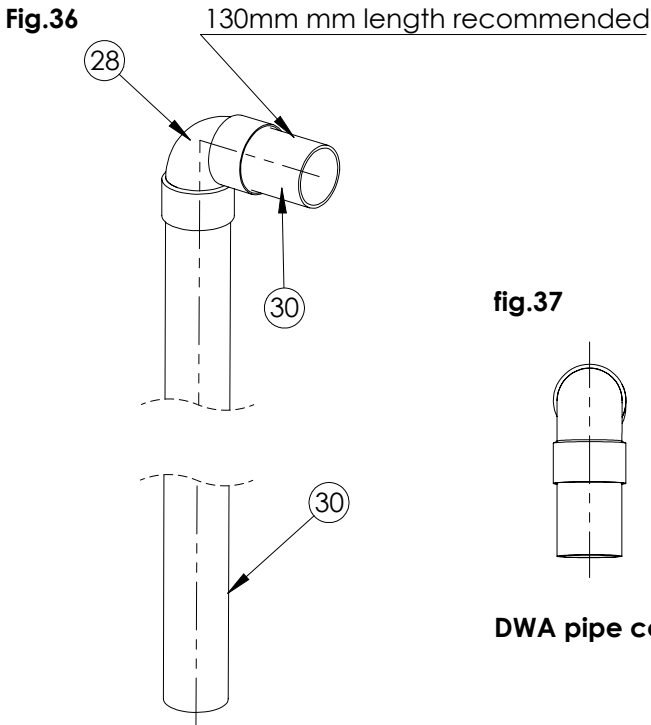
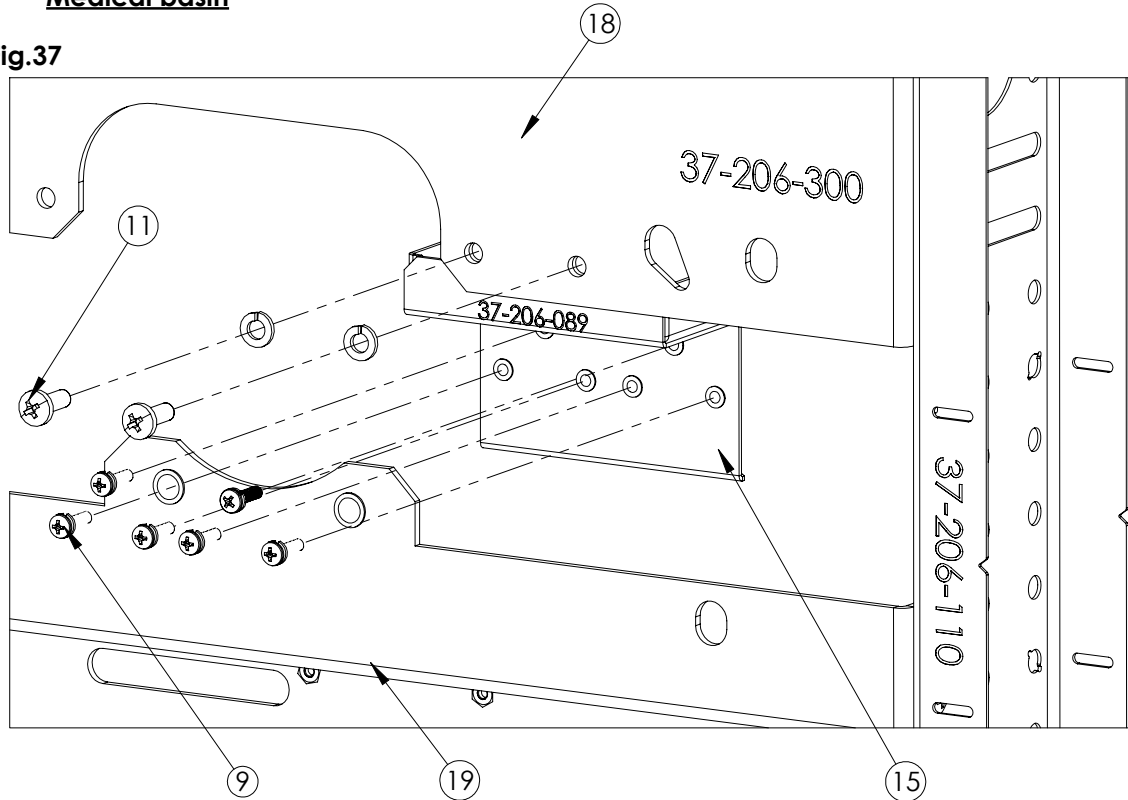


fig.37

DWA pipe config.

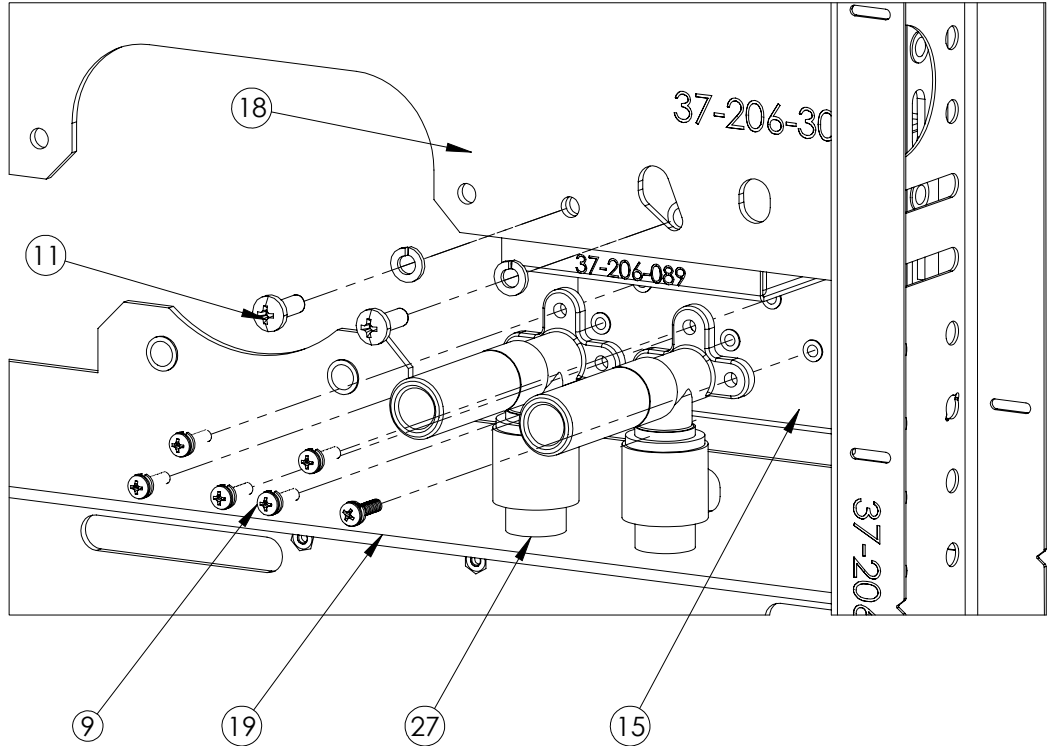
Medical basin

Fig.37



Clinic 600 basin

Fig.38



7. TAPWARE INSTALLATION

- i) Refer **Table 5** to identify the mounting holes on **tapware mounting bracket** (2) for in-wall body kits.
- ii) Fit the in-wall body kit on **tapware mounting bracket** (2) using **M4 screws** (9).

Fig. 39

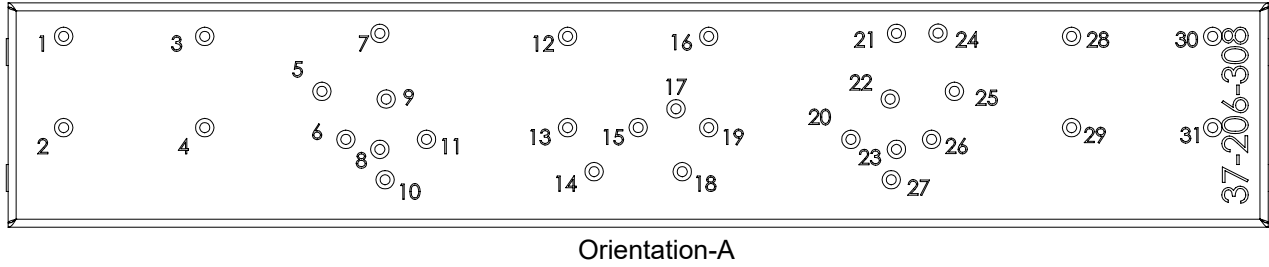
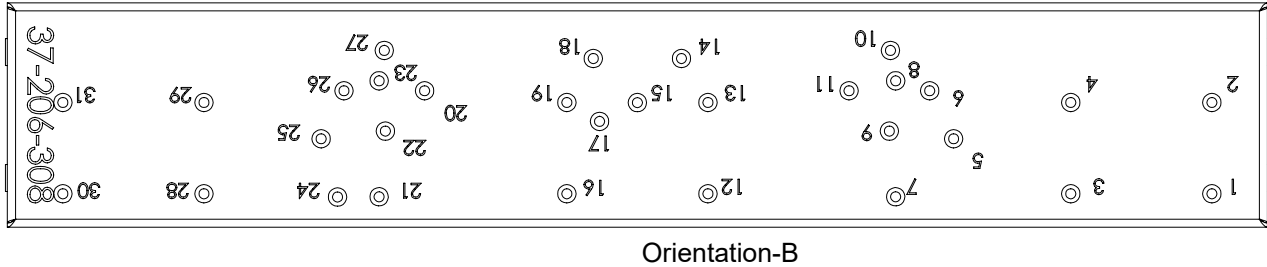


Fig. 40



	Liano II & Urbane II WB Trim Kit with Caroma easyswitch universal wb/ bath mixer inwall body (99635)	Bracket orientation -see Fig. 39	Liano/Urbane Sensor Taps with Universal Rough-in Kit – Sensor Wall Outlet Tap(99682)	Bracket orientation -see Fig. 39	Caroma Smart Command Electronic Wall Outlet Trim Kit with Caroma Smart Command Inwall Body (98469)	Bracket orientation -see Fig. 40	G SERIES+ CONCEALED WALL SINK SET with ARDENT SINK BREECH 200C NO TAILS B_E (9504632)	Bracket orientation -see Fig. 39	G SERIES+ EXPOSED WALL SINK SET	Bracket orientation -see Fig. 39	Roughing kit 99683 for soap dispenser	Bracket orientation -see Fig. 39
MEDICAL BASIN	17, 24	A	12, 13, 16, 19	A	14, 15, 18	B	5, 8, 23, 25	A	6, 10, 11, 20, 26, 27 OR 6. 9. 11. 20. 22. 26	A	1, 2, 3, 4 OR 28. 29. 30. 31	A
OPAL CLINIC 600												

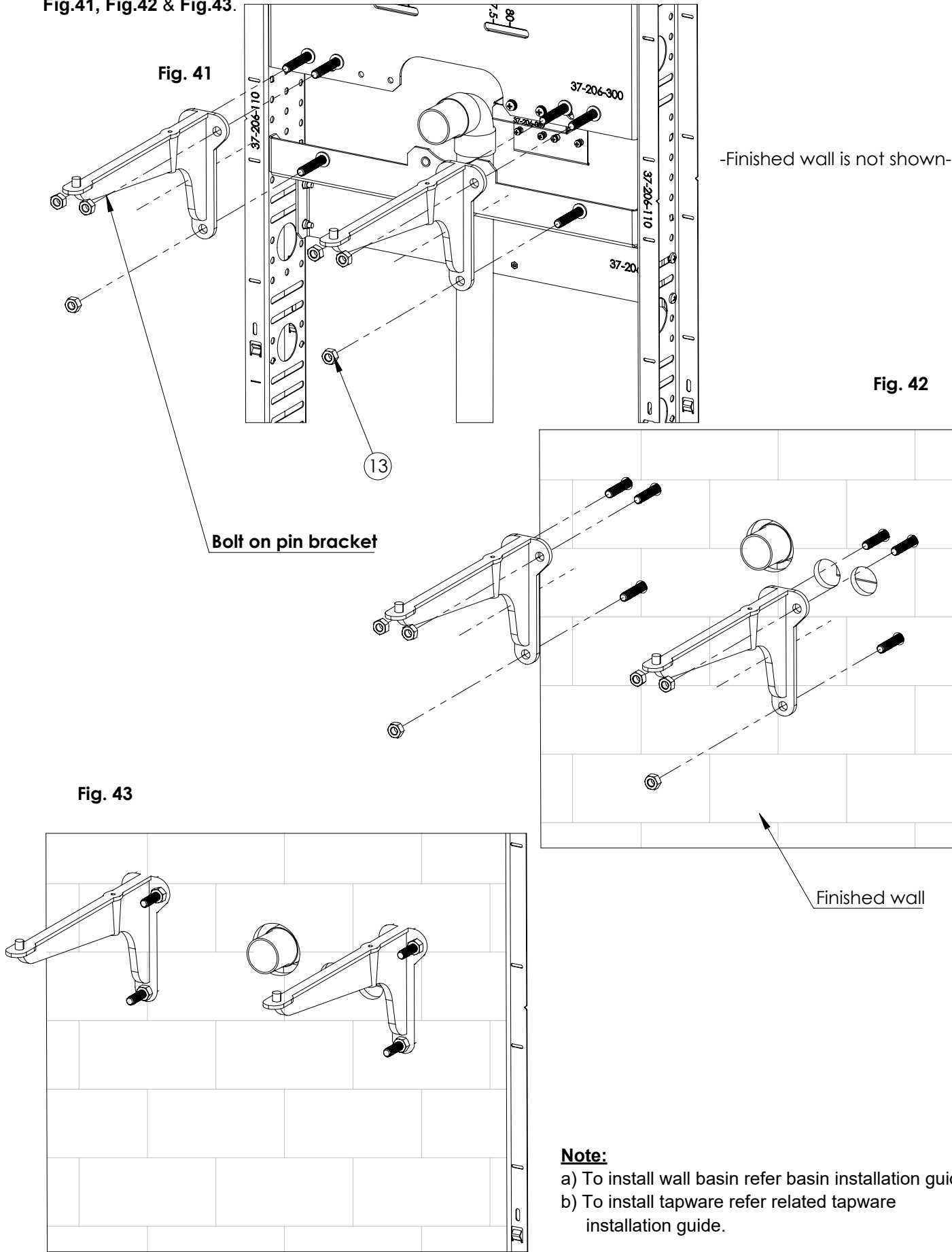
Table 5

8. BASIN INSTALLATION

Ensure the finished wall is done.

8a) Medical basin

- i) Remove thread protection caps (8).
- ii) Install 2x **bolt on pin brackets** (supplied with the basin) on the **frame** (1) with 6x **M10 hex nuts** (13) as shown in **Fig.41, Fig.42 & Fig.43.**



8b) Clinic 600 basin

- i) Remove thread protection caps (8) and M8 shoulder plugs.
- ii) Install **Clinic basin fixing bracket** (supplied with the basin) on the **frame** (1) with 2x **M10 hex nuts** (13) and 2x **M8 CSK php screws** (14) as shown in **Fig.44, Fig.45 & Fig.46.**

