



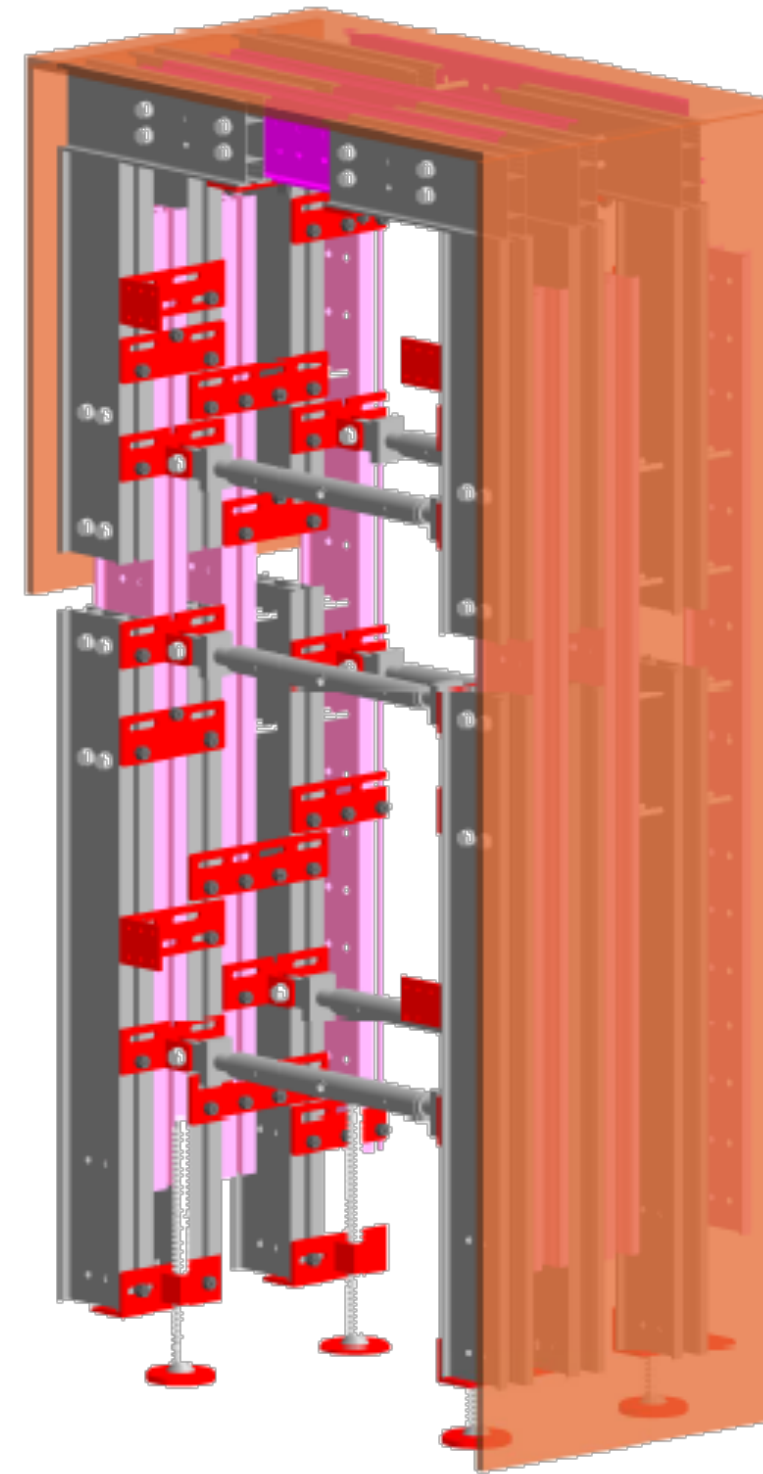
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ADJUSTABLE ALUMINIUM
DOOR FRAME

www.turiim.global

The Adjustable Aluminum Door Frames are the permanent solution for the multiple uses of wall openings in the core walls or concrete walls in construction projects.



VERSATILITY AND FUNCTIONALITY

The Adjustable Aluminum Door Frame creates wall openings in core walls, elevators, staircase shafts, and other structural elements in multi-storied buildings.

With the ability to accommodate wall thicknesses from 240mm to 1000mm, this door frame provides the flexibility to meet a wide range of site requirements.

The width and height of the openings can be easily adjusted, allowing for precise customisation and the ability to adapt to varying construction needs.

HIGH-QUALITY CRAFTSMANSHIP

Crafted from high-quality aluminium, the Adjustable Aluminium Door Frame combines strength with a sleek, contemporary appearance. Aluminium is renowned for its resistance to corrosion, ensuring that your door frame remains pristine and robust, even in harsh environments.

This makes it an ideal choice for both interior and exterior applications.

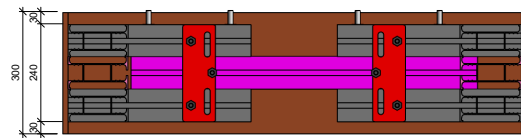
EASY INSTALLATION AND MAINTENANCE

One of the key features of this door frame is its user-friendly design.

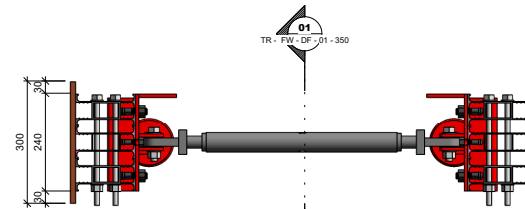
Installation is straightforward, thanks to the frame's modular components that fit together with minimal effort, reducing the need for specialised tools and expertise. The simplified erection procedure greatly reduces the possibility of human error, increasing structural accuracy and overall safety.

Additionally, the frame requires low maintenance and reduced manpower for assembly, installation and de-shuttering, making it optimal for multiple shift work cycles.

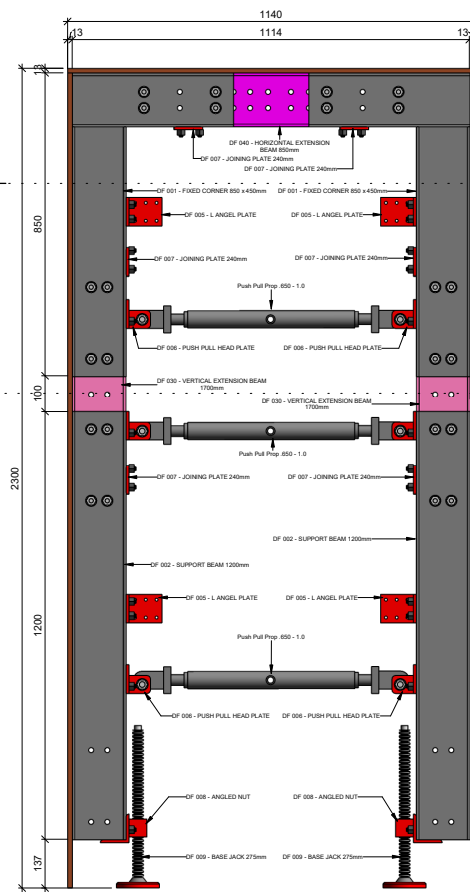




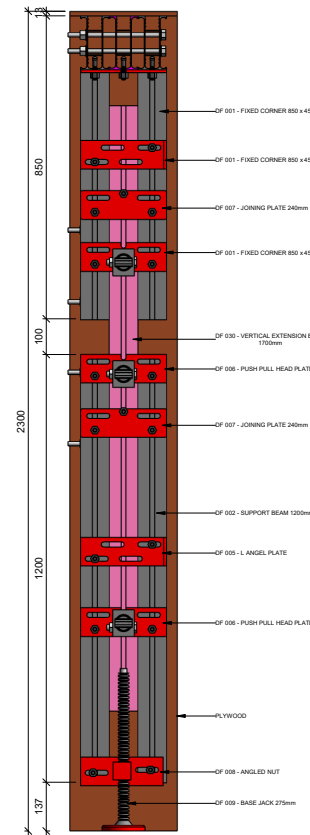
DETAIL A



DETAIL B



FRONT ELEVATION



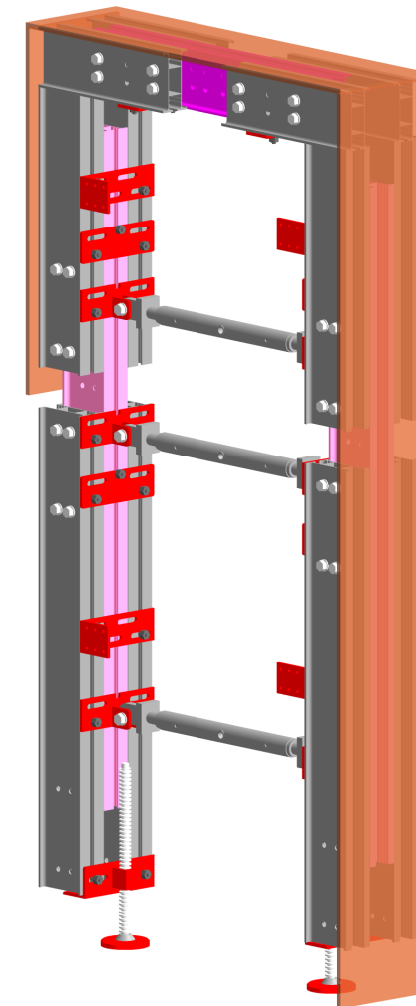
SECTION 01

QUANTITY SCHEDULE FOR ALUMINUM			
Type	Qty	Unit Weight	Total Weight
DF 001 - FIXED CORNER 850 x 450mm	4	4.23 kg	16.92 kg
DF 002 - SUPPORT BEAM 1200mm	4	5.60 kg	22.39 kg
DF 030 - VERTICAL EXTENSION BEAM 1700mm	2	6.22 kg	12.44 kg
DF 040 - HORIZONTAL EXTENSION BEAM 850mm	1	3.08 kg	3.08 kg
Grand total: 11			54.83 kg

QUANTITY SCHEDULE FOR STEEL			
Type	Qty	Unit Weight	Total Weight
DF 005 - L ANGEL PLATE	4	1.43 kg	5.74 kg
DF 006 - PUSH PULL HEAD PLATE	6	1.41 kg	8.46 kg
DF 007 - JOINING PLATE 240mm	6	1.07 kg	6.40 kg
DF 008 - ANGLED NUT	2	2.75 kg	5.49 kg
DF 009 - BASE JACK 275mm	2	3.13 kg	6.26 kg
M12 Nut	24	0.00 kg	0.00 kg
M12 Washer	48	0.00 kg	0.00 kg
M12 x 260mm Bolt	24	0.00 kg	0.00 kg
M16 Nut	6	0.00 kg	0.00 kg
M16 Washer	12	0.00 kg	0.00 kg
M16 x 70mm Bolt	6	0.00 kg	0.00 kg
T Bolt & Nut	42	0.00 kg	0.00 kg
Grand total: 182			32.34 kg

QUANTITY SCHEDULE PUSH PULL PROP					
Type	Length	Qty	Unit Weight	Total Weight	standardID
PROP	724.000	3	6.59 kg	19.78 kg	PROP .650-1.40
Grand total: 3				19.78 kg	

- General Notes**
- Do not scale drawing.
 - Dimensions in mm.
 - All structural steel is minimum Grade S275 ($f_y=275\text{MPa}$)
 - All fillet welds are minimum 6mm continuous (cfw) with minimum nominal tensile strength of the weld metal being $f_w = 480\text{MPa}$ (E48XXwXX) and category SP welds (20% tested with NDT) unless noted otherwise (UNO).
 - All bolts are M16 Grade 8.8with minimum tensile strength of $f_u=830\text{MPa}$ (UNO).
 - All end plates have minimum 8mm clw all around including splices (UNO).
 - All intersecting (at right angles) beams of the same section size have full penetration butt welds at the flanges and 8mm clw at the web (UNO).
 - All holes 18 dia (UNO).
 - All steel to be painted with primer (EBS red oxide) plus topcoat (quick drying enamel black RAL 9005, green RAL 6018, yellow RAL 1018)
 - All items to be clearly marked.
- Material Properties**
- All Aluminum is 6061/T6 produced in accordance with the following standards:
 - BS EN 573-3 Alloy Chemical Composition
 - BS EN 755-2 Mechanical Properties
 - BS EN 755-9 Extrusion Tolerances
 - All Steel Rectangular Hollow Sections produced in accordance with ASTM A500 - 18 , Grade B - Type ERV
 - All Steel columns & beams are S275JR+AR produced in accordance with the following standards:
 - Dimension : EN 10365:2017,EN 10034:1993
 - Specification : EN 10025-2:2004
 - All steel plates are EN-S355JR+AR



Rev	Date	Description	HR	MA	Dra	App
00	28/10/22	FOR INFORMATION	HR	MA		

Revision Schedule

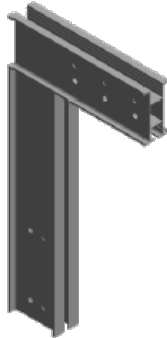
Supplier:
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Drawing title:-
(W 1.1 - 1.6 - H 2.1 -3.1)
(Thk 240-350)

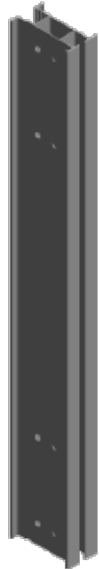
Drawn:-	Checked:-	Authorised:-	Sheet:-
HR	MA	MA	
Level:-	Location:-	Zone:-	Scale:-
			NTS
Drawing Number	REV		
TR - FW - DF - 01 - 350	00		

FROM BIM MODEL


Fixed Corner

	Art No.	Weight (kg/pc)	
	TRFC001	4.68	
<p>These corners are pre-fabricated and welded or joined using special connectors during manufacturing, guaranteeing precise angles and robust connections. Some fixed corners may have additional internal reinforcements to enhance strength and prevent deformation under load.</p>			


Support Beam

	Art No.	Weight (kg/pc)	
(1200mm)	TRSB002	4.89	
(1500mm)	TRSB002	6.11	
(1800mm)	TRSB002	7.34	
(2100mm)	TRSB002	8.56	
(2400mm)	TRSB002	9.79	
(2700mm)	TRSB002	11.01	
(3000mm)	TRSB002	12.24	
<p>Typically made from aluminum, it can vary in shape, such as rectangular, square, or custom profiles, depending on the specific requirements of the door frame design.</p>			

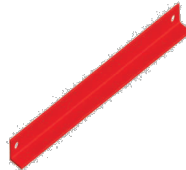
Vertical Extension Beam

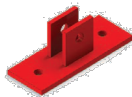



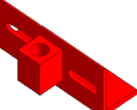
	Art No.	Weight (kg/pc)	
	TRVB030	6.93	
<p>Vertical extension beams are used to increase the overall height of the door frame, allowing it to fit taller openings.</p>			


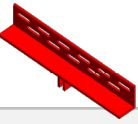



Horizontal Extension Beam

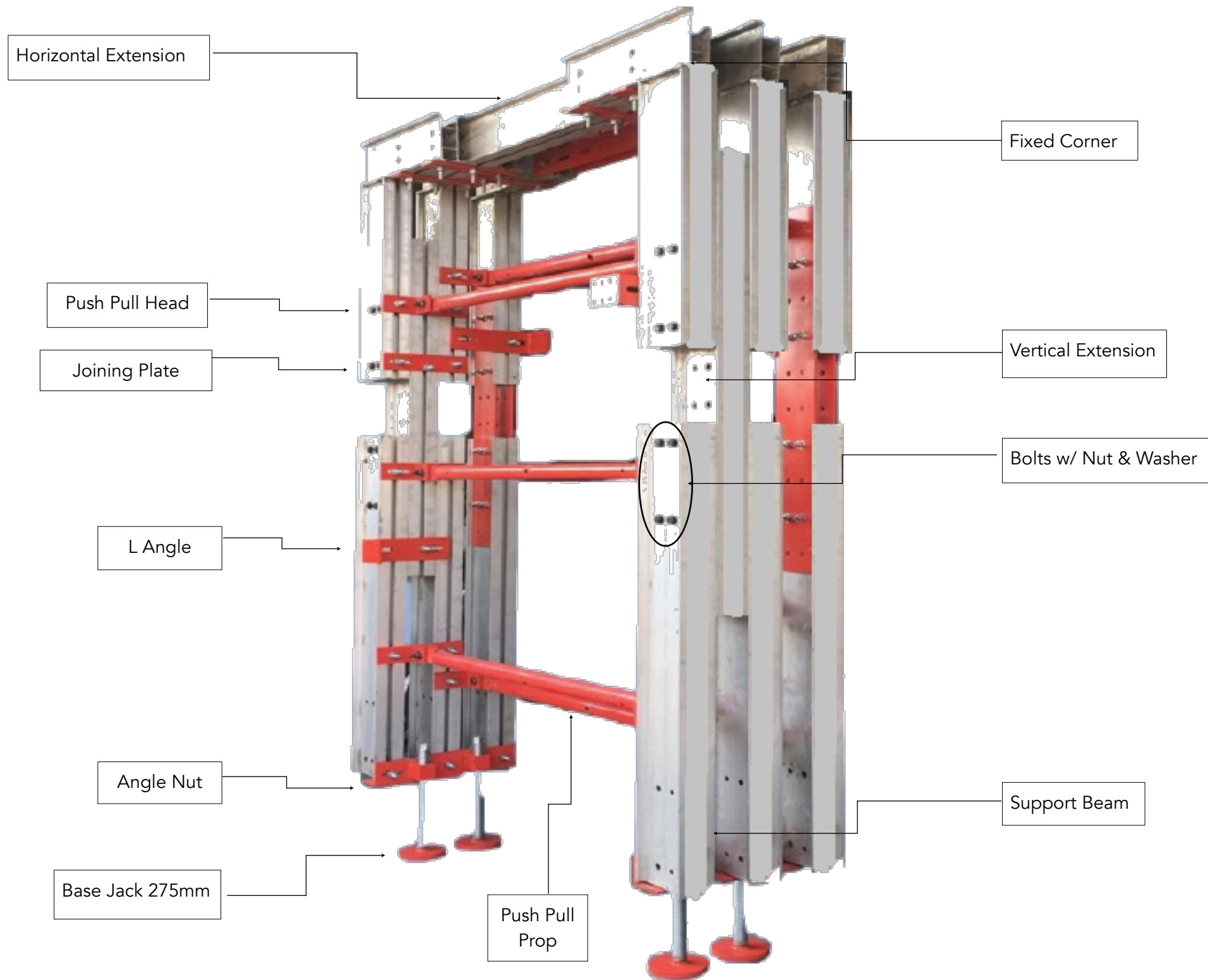
	Art No.	Weight (kg/pc)	
(850mm)	TRHB040	3.46	
(1050mm)	TRHB040	4.27	
(1350mm)	TRHB040	5.50	
(1550mm)	TRHB040	6.31	
(1750mm)	TRHB040	6.72	
(1850mm)	TRHB040	7.53	
(2150mm)	TRHB040	8.76	
<p>Horizontal extension beams are used to increase the overall width of the door frame, allowing it to fit wider openings.</p>			

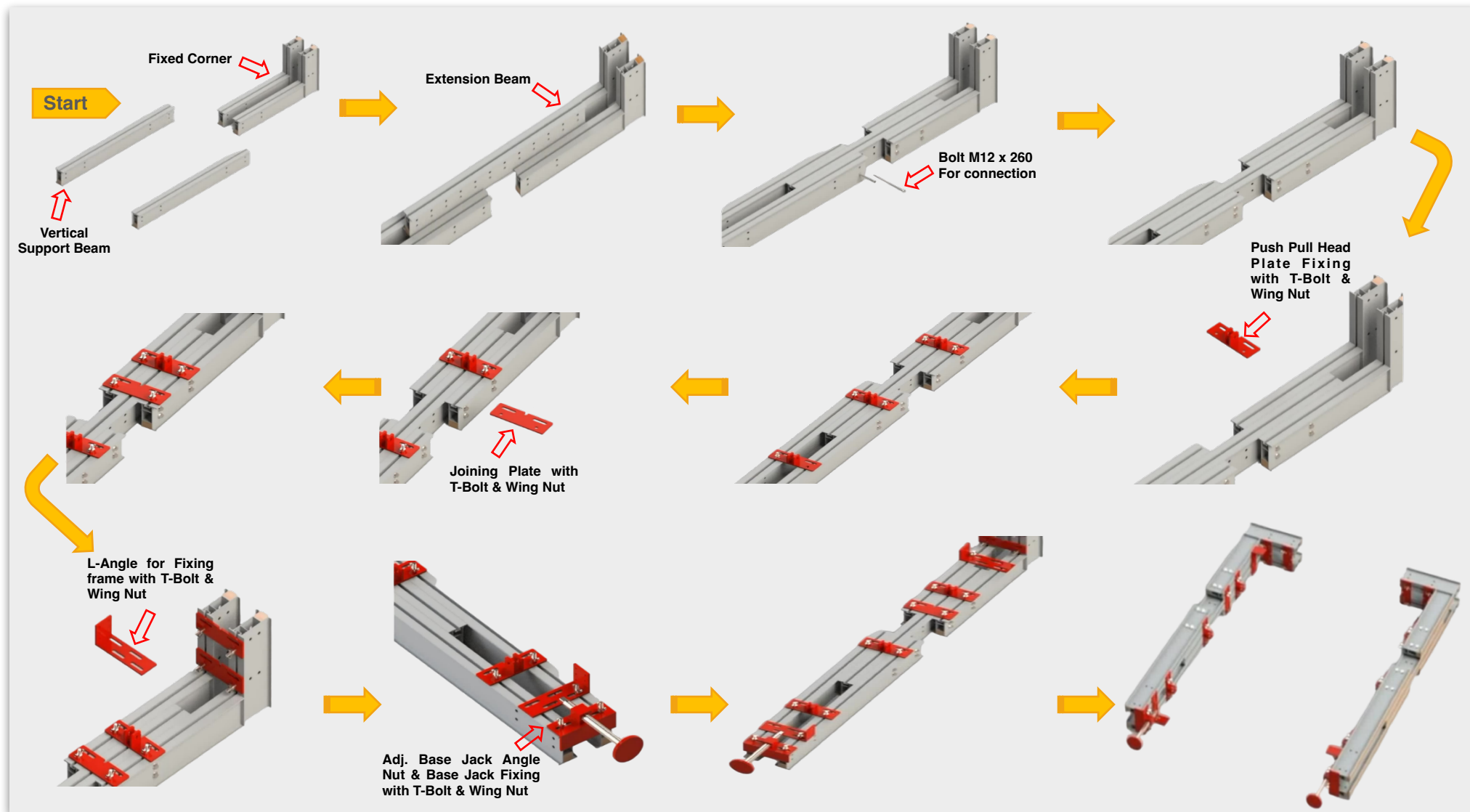
Stiffner Angle 690mm

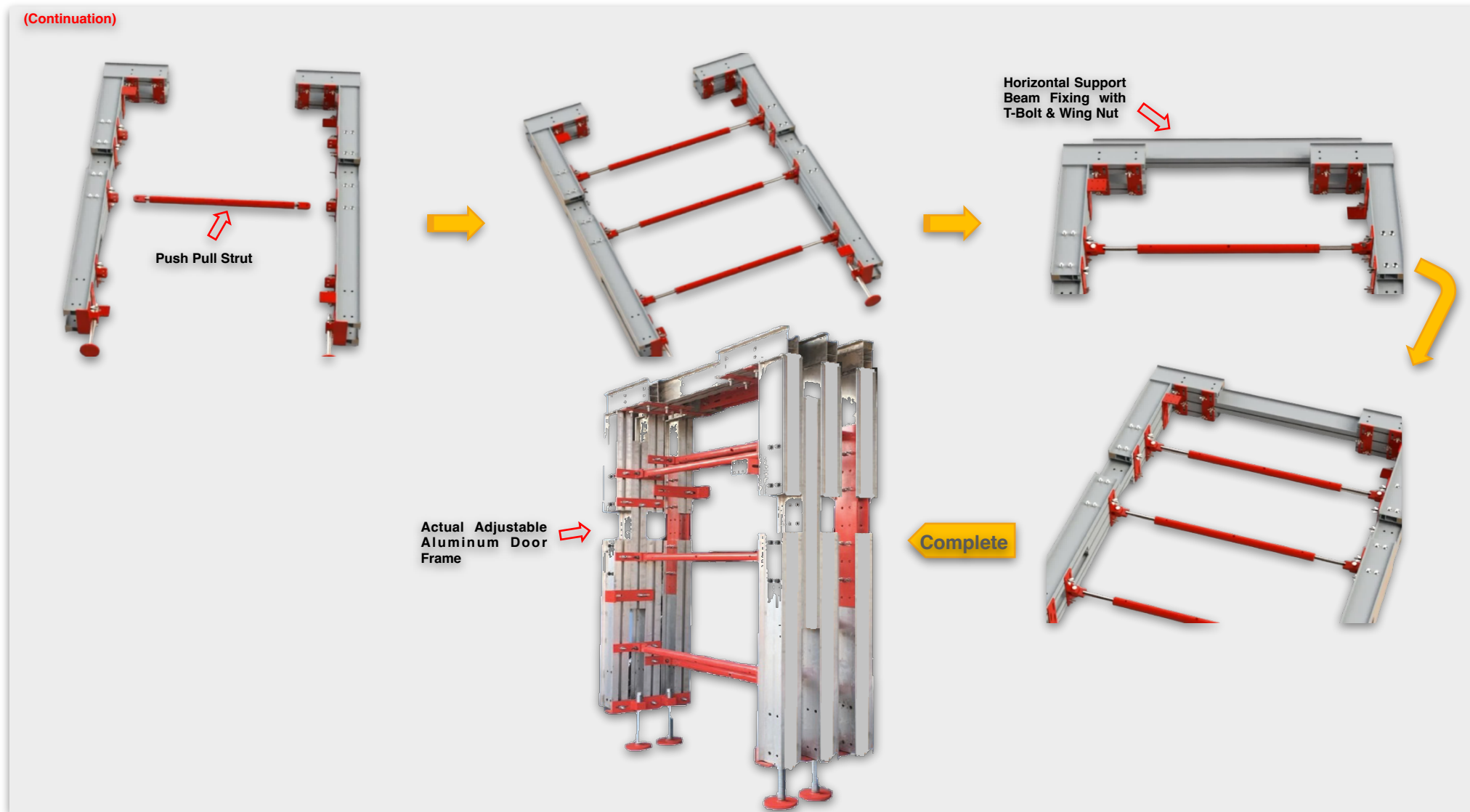
	Art No.	Weight (kg/pc)	
	TRSA690	2.50	
<p>The angle typically forms a 90-degree "L" shape, providing support along two planes.</p>			

Stiffner Head Plate			
	Art No.	Weight (kg/pc)	
Sized to fit the specific dimensions of the door frame's head, providing full coverage and support across the top of the frame.	TRSP004	1.35	
L Angle Plate			
The plate forms a 90-degree angle, resembling the letter "L". This shape allows it to provide support along two planes, typically the vertical and horizontal sections of the frame.	TRLP005	1.43	
Push Pull Head Plate			
The dimensions of the push-pull head plate can vary depending on the specific requirements of the door frame and the hardware it is designed to support. It generally fits within the width of the door frame's head.	TRPP006	1.41	
Joining Plate			
	240mm TRJP007 320mm TRJP007	1.07 1.37	
The joining plate depends on the dimensions of the door frame sections it is designed to connect.			
Angled Nut			
An angled face or threaded hole allows to accommodate bolts or screws inserted at specific angles.	TRAN008	2.75	

Base Jack 275mm			
Base jacks come in various sizes to accommodate different installation requirements and floor conditions.	TRBJ009	3.13	
Joining Angle 80x80x8 600mm Long			
An angled piece used to connect different sections or components of the aluminum door frame together securely.	TRJA010	5.29	
Angle Packing 115			
An angled piece used to fill gaps between the door frame and the surrounding structure, such as walls or floors.	TRAP011	1.02	
Push Pull Prop			
	(0.650 – 1.0) TRPP650 (1.1 – 1.75) TRPP110 (2.4 – 3.5HD) TRPP240	6.59 8.84 35.96	
Push Pull Props are used to support the door frame in the correct position preventing it from shifting or collapsing while adjustments are made.			
Bolts w/ Nut & Washer			
	(M12 x 260mm) TRBN260 (M12 x 400mm) TRBN400 (M12 x 480mm) TRBN480 (M12 x 560mm) TRBN560 (M16 x 70mm) TRBN70		
T-Bolts & Nut			
	TRTB		









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DESIGN.ASSEMBLE.CONSTRUCT

Middle East Australia Asia Europe United Kingdom

Geoff Pontefract

geoff.pontefract@turiim.com

Mohammad Abu Shawar

mohammad.shawar@turiim.com

www.turiim.global