

Assembly & User Guide

PART NUMBER: SZASSYINSTDC. ISSUE 1 / MAY 06

STORMOR® DUO SHELVING

Bays with Closed, Clad Backs

IMPORTANT: READ THIS GUIDE THOROUGHLY BEFORE STARTING ASSEMBLY AND RETAIN FOR USER REFERENCE

ASSEMBLY SHOULD BE UNDERTAKEN BY TWO COMPETENT PEOPLE
Preferably suitably trained shelving installers

BASIC TOOLS (not supplied)

LOCATE & BUILD SHELVING ON A SUITABLE LEVEL FLOOR.
(Additional base plate shims may be required for uneven floors)

FLOOR FIXING
Should be considered for stability of tall, narrow bays - refer to back page



DO NOT CLIMB THE STRUCTURE OR STAND ON SHELVES
Replace damaged components

USE A SUITABLE WORKING PLATFORM TO REACH HIGHER SHELVES

BAY LOAD UNIFORMLY DISTRIBUTED!
DO NOT EXCEED MAXIMUM SAFE BAY LOAD OF 1000KG

Max. 1000kg!

ENSURE SHELF LOADS ARE UNIFORMLY DISTRIBUTED! DO NOT EXCEED MAXIMUM SAFE SHELF LOADS.

***NOTE: 'H' or 'E' Duty shelves are usual supply. If in doubt, check duty stamp on underside corner of shelf flanges or contact your shelving supplier.**

MAXIMUM SAFE LOADS FOR OPEN SECTION SHELVES, 'H' DUTY*

Shelf Depth	Shelf Width		
	900mm	1000mm	1250mm
200mm - 500mm	78kg	70kg	45kg
600mm	55kg	55kg	45kg

MAXIMUM SAFE LOADS FOR BOX SECTION SHELVES, 'E' DUTY*

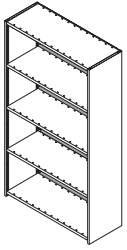
Shelf Depth	Shelf Width mm		
	900mm	1000mm	1250mm
300mm - 450mm	130kg	120kg	75kg
500mm	90kg	90kg	70kg
600mm	70kg	65kg	65kg

FOR THE LOAD CAPACITIES OF OTHER SHELF SIZES SUPPLIED BUT NOT LISTED ABOVE, CONTACT YOUR SHELVING SUPPLIER.

The information contained in this leaflet was accepted as correct at the date of publication. However, the manufacturer reserves the right to make any necessary changes, in line with product development and improvement. No liability can be accepted for any inaccuracies or omissions, although every reasonable care has been taken to make this publication as complete and accurate as possible.

PRODUCT DESIGNED & MANUFACTURED IN THE UK TO QUALITY MANAGEMENT SYSTEMS CONFORMING TO THE INTERNATIONAL STANDARD BS EN ISO 9001:2000.

Starter Bay



Read ALL instructions BEFORE commencing assembly ▼

1. Select Starter only or Starter & Extension frames. Orientate frames for bracket location.
2. Identify heights and correct positions of rear cladding panels for your frame height.
3. Bolt & bracket panels into place, working from the lowest panel upwards.
4. IF BUILDING EXTENSION BAYS, GO TO STAGE 6.
 - With clad bay in final position, locate base plate shims (optional - refer to Stage 7).
 - Check bay is level, add further shims if required (not supplied).
 - If necessary, locate floor clips and secure to floor with suitable anchor bolt (anchors not supplied, available separately) - also refer to back page.
 - Locate top and base shelves - 4 adjustable clips required per shelf. Locate infill panels.
5. Locate remaining intermediate shelves - NOTE PLACEMENT RULES.

1



Orientate all frames with bracket location slots to rear

50mm

Remove infill panels



Starter bays have 2 Starter frames - with slots for shelf clips on one face only.

If building one bay, use both starter frames.

If building extension bays, use intermediate extension frames (slots both sides) with the starter frames at each end.

Starter

Extension

S

S

S

E

S

S

E

E

S

2

Identify cladding panel heights and panel positions for your frame height.

This way up

464mm

496mm

764mm

914mm

614mm



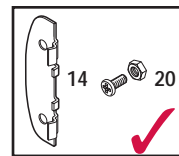
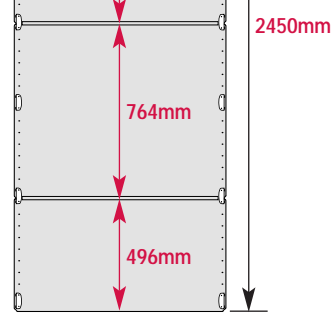
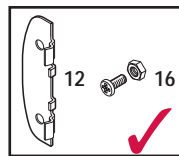
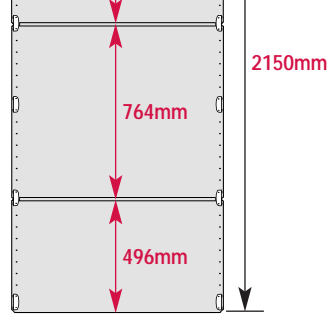
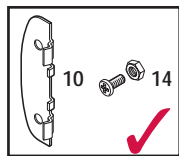
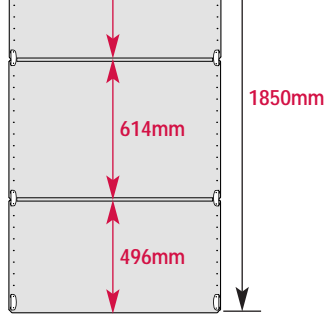
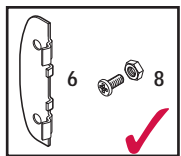
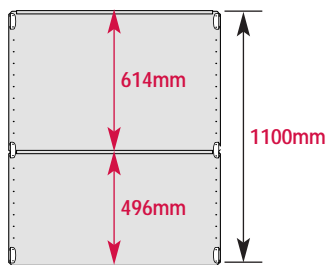
Note correct number and location of brackets and nuts & bolts required for each bay height.

764mm

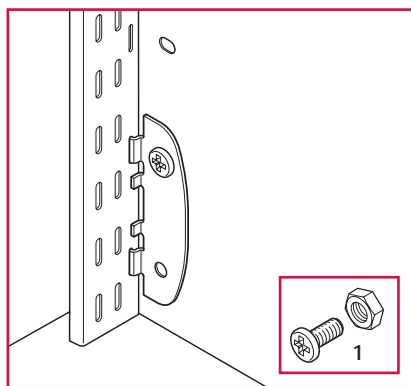
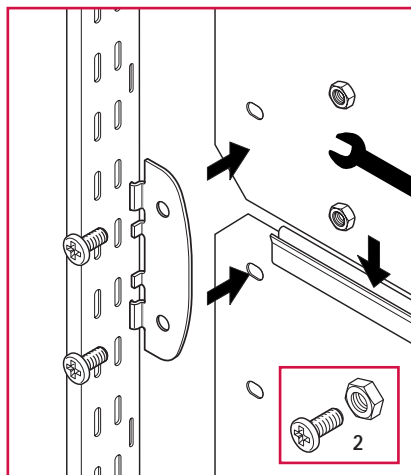
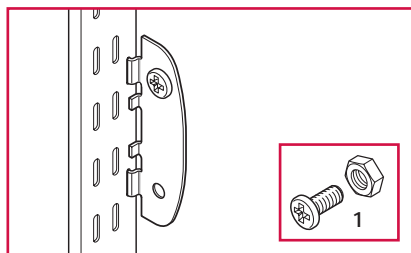
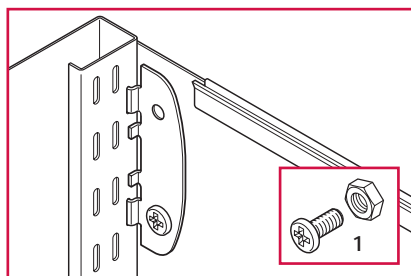
914mm

464mm

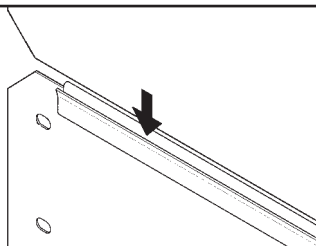
764mm



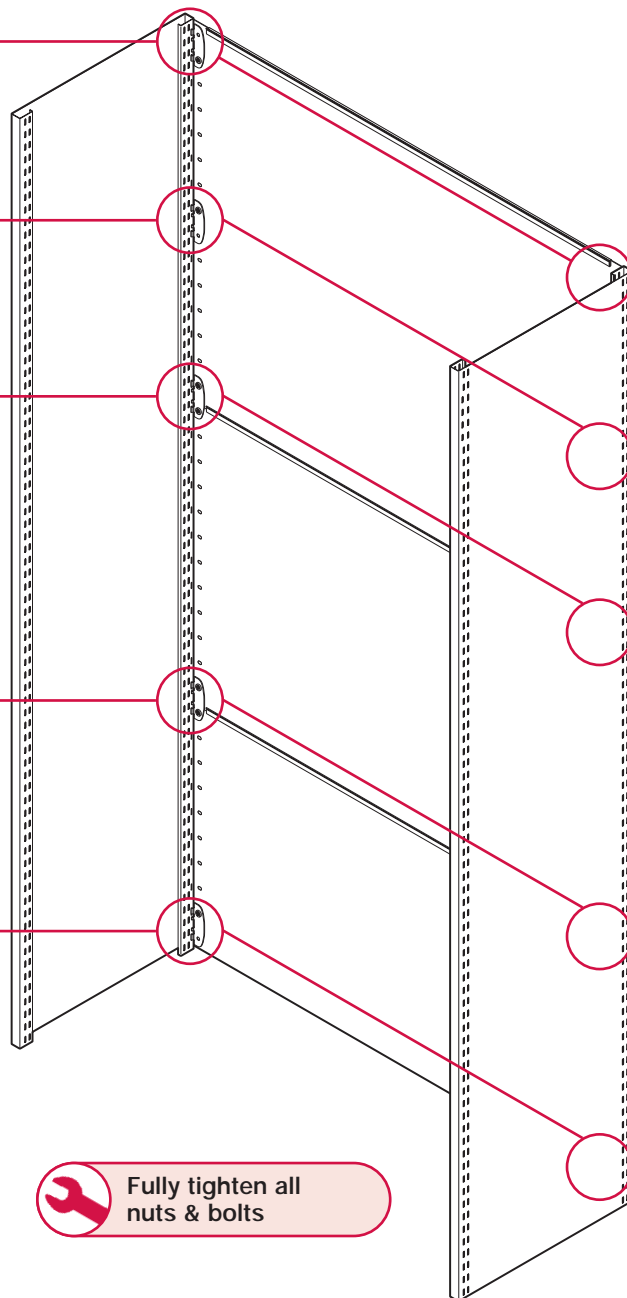
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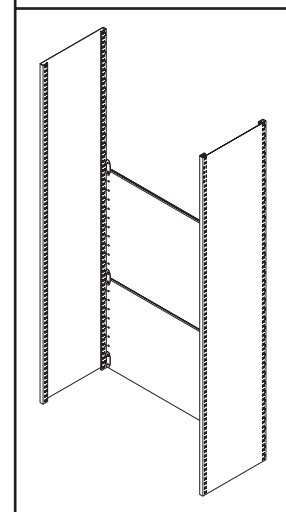
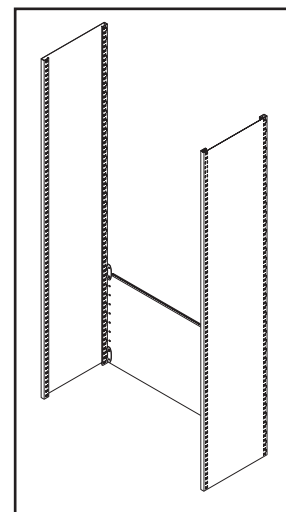
Slot panels
together



Locate brackets
this way

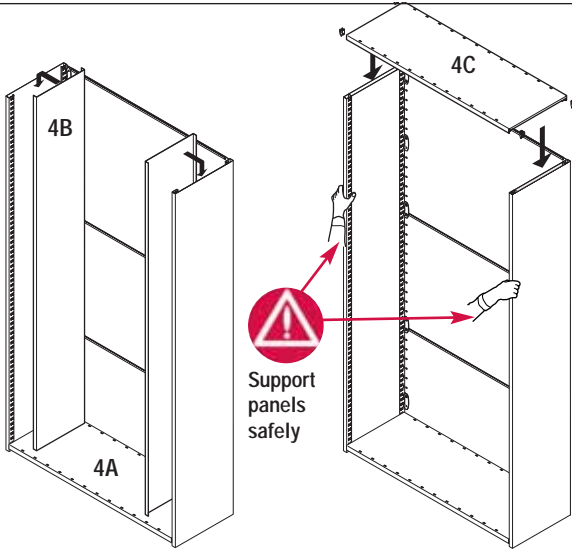


Fully tighten all
nuts & bolts



Starter Bays and Extension Bays ▼

4



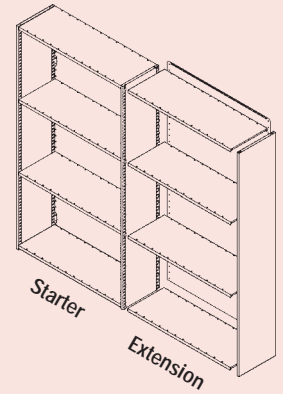
AT THIS STAGE:

● If including extension bays, go to Stage 6 before fitting shelves & infill panels.

● **OPTIONAL:** Locate base plate shims - refer to Stage 7 (these help to spread the load and protect your floor).

● Where necessary, bolt down using floor clips - refer to back page.

4A. Locate base shelf - refer to Stage 5 below.
4B. Locate infill panels.
4C. Locate top shelf.

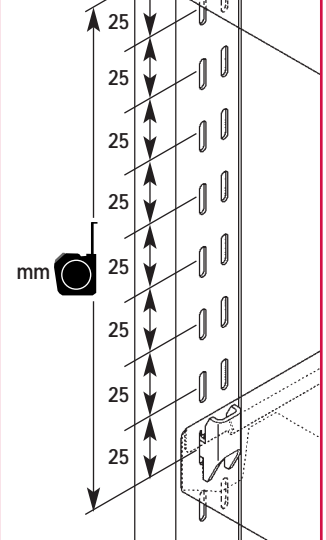
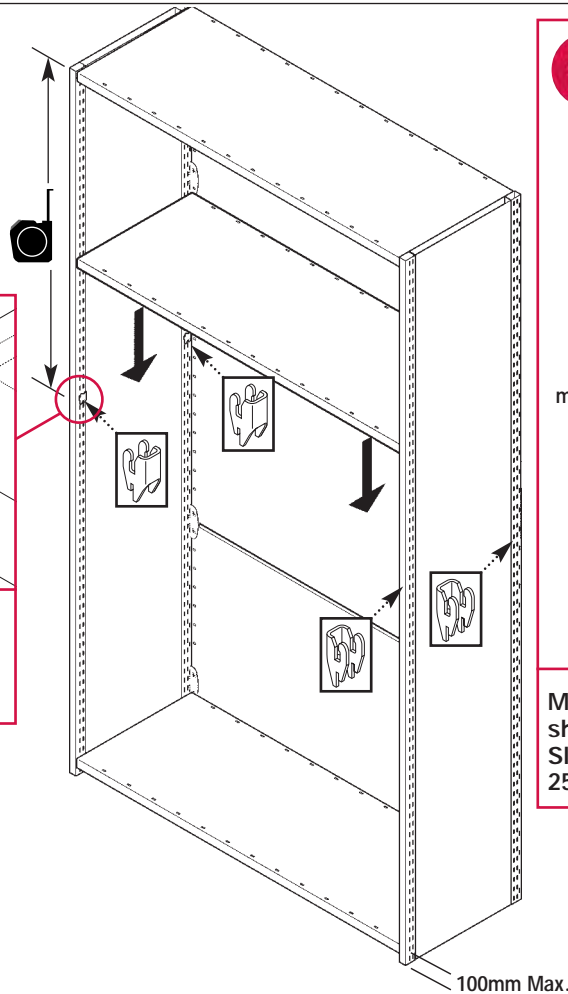
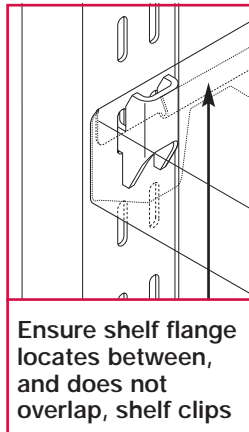
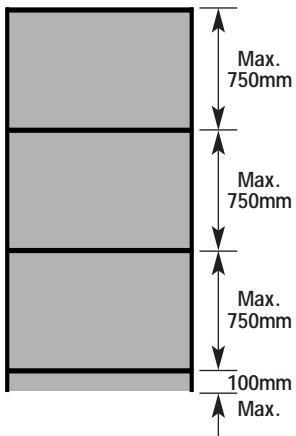


5

Shelf Location with 4 clips per shelf

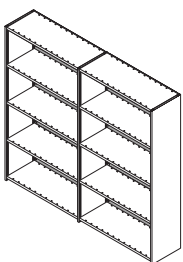


SHELF PLACEMENT
note maximum spacing!



Measure to space shelves as required. Slots for shelf clips are at 25mm increments

Extension Bays

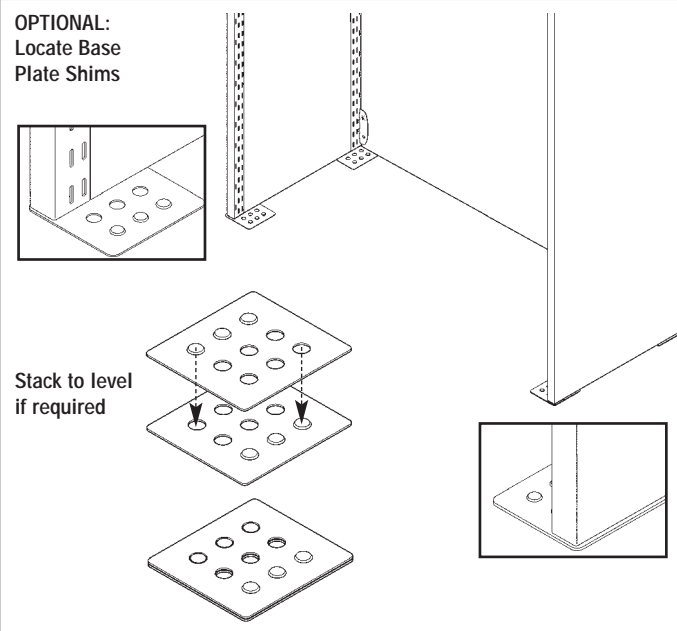
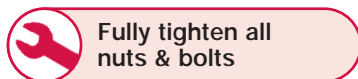
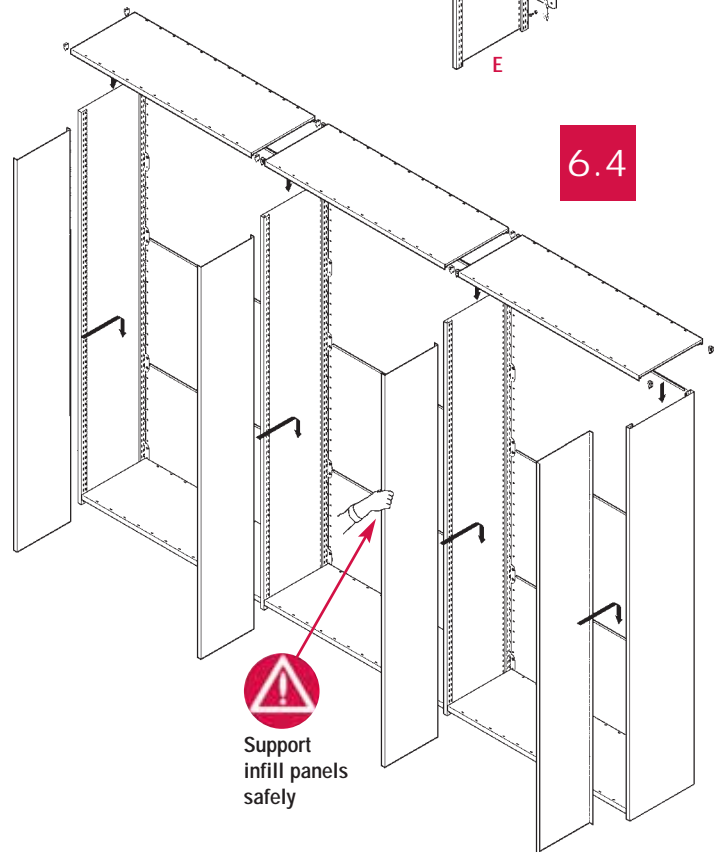
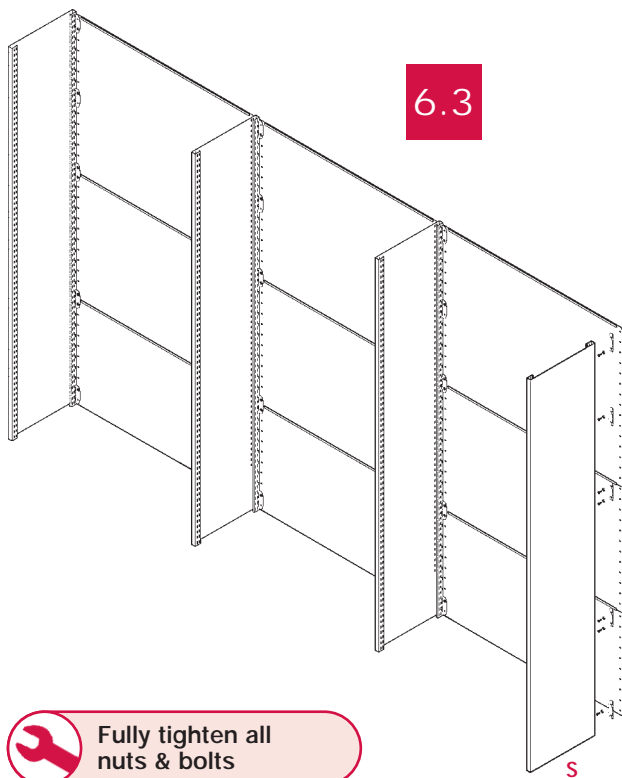
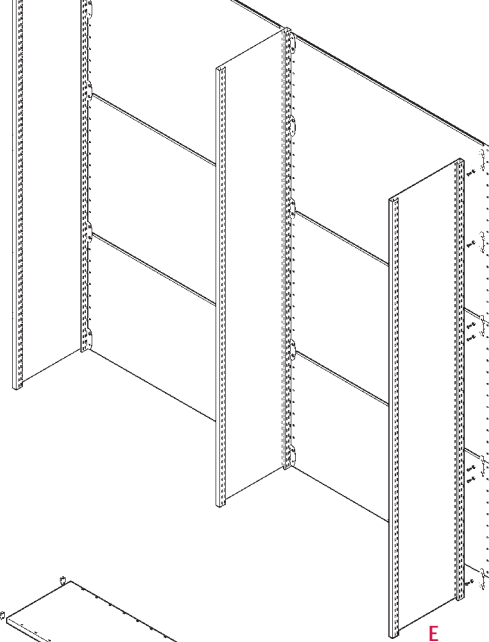
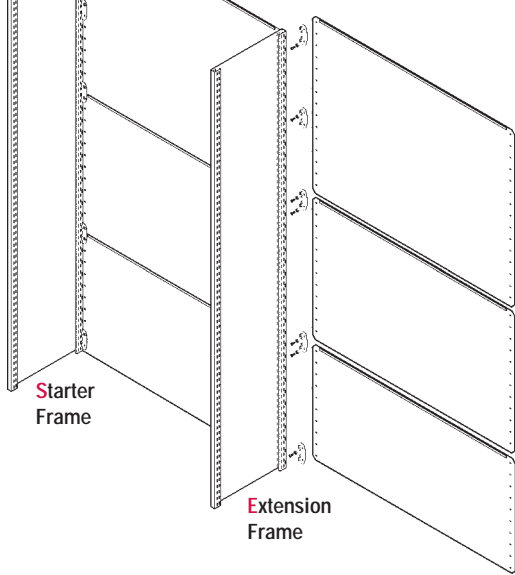


Read ALL instructions BEFORE commencing assembly ▼

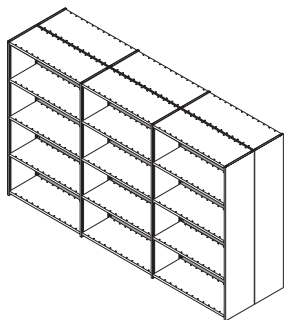
6. Each additional extension bay **MUST** have all cladding panels correctly fitted.
 - Note location of Starter and Extension frames.
 - Use the correct number of brackets and nuts & bolts for each panel.
 - **FULLY TIGHTEN ALL NUTS & BOLTS.**
- With clad bays in final position, locate base plate shims (optional - refer to Stage 7).
- If necessary, locate floor clips and secure to floor with suitable anchor bolt (anchors not supplied, available separately) - *also refer to back page.*
- 6.4. Locate base shelves, infill panels and top shelves for each bay in turn.
8. Locate intermediate shelves - **NOTE PLACEMENT RULES IN STAGE 5.**

6.1

6.2



Back to Back Bays

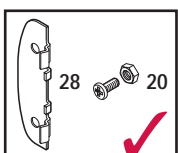
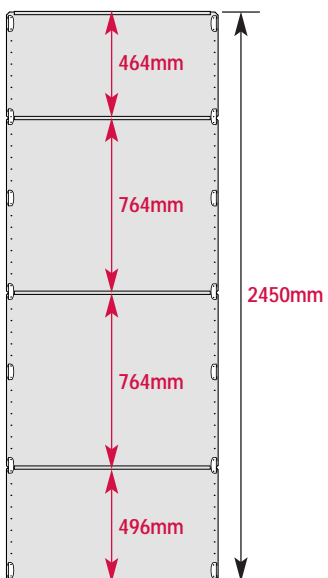
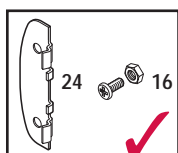
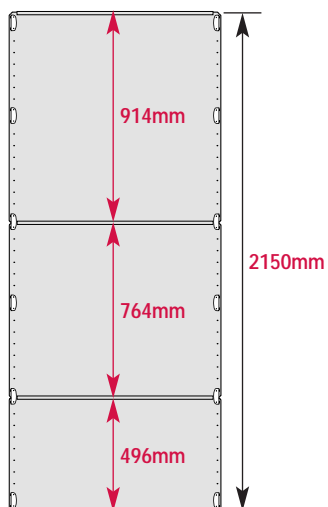
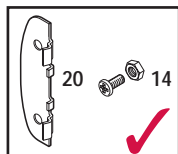
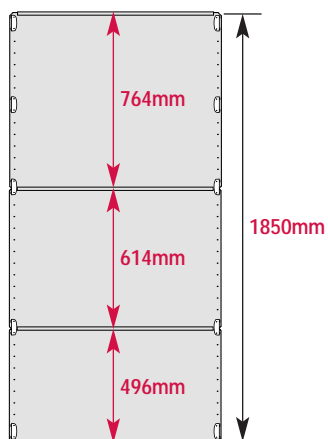
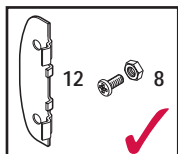
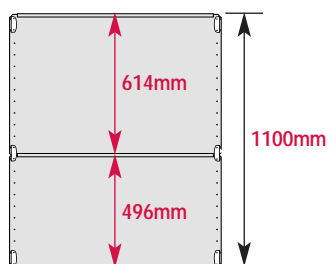


ALSO REFER TO STARTER & EXTENSION BAY ASSEMBLY

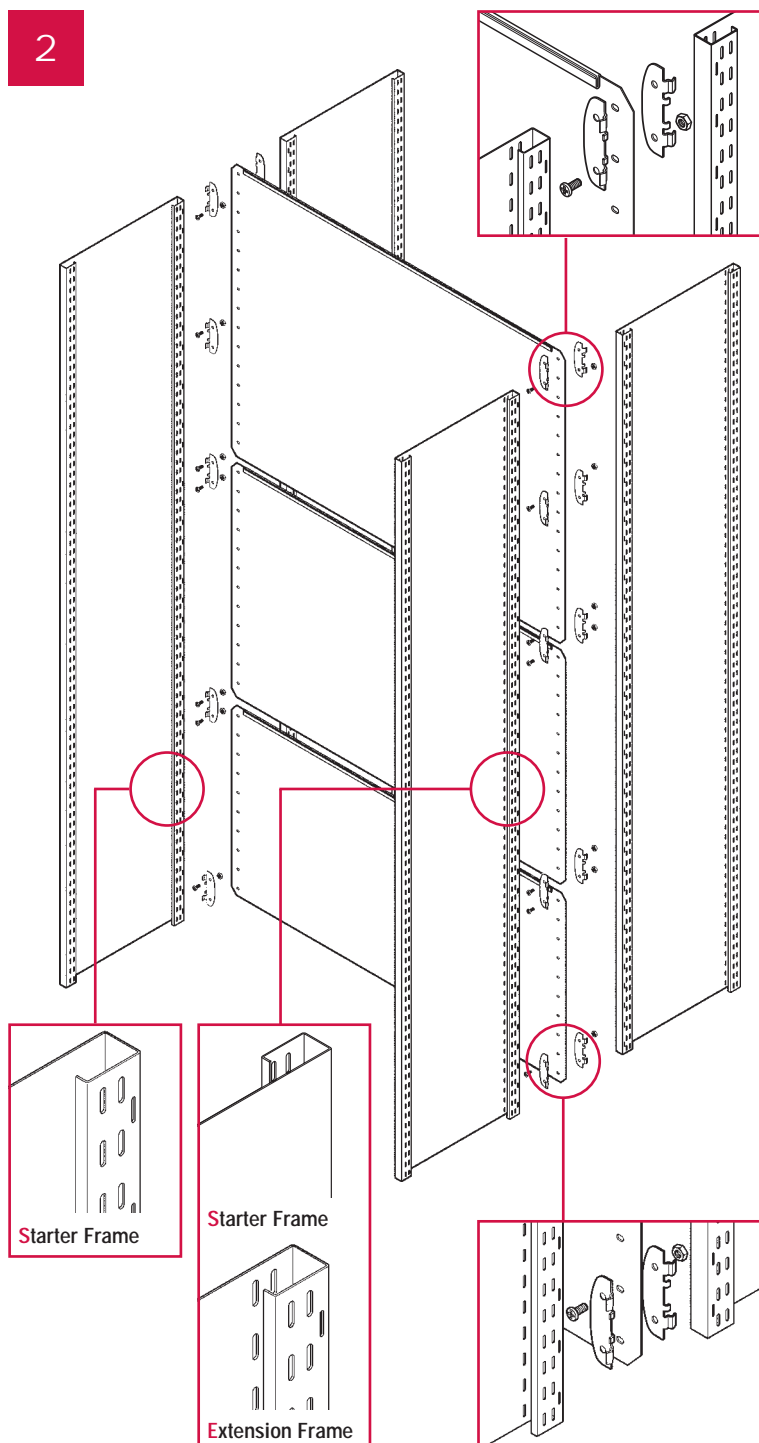
Read ALL instructions BEFORE commencing assembly ▼

1. Identify heights and correct positions of rear cladding panels for your frame height - also refer to *Starter Bay Assembly, Stage 2*.
2. Select Starter only or Starter & Extension frames. Orientate frames for bracket location - also refer to *Starter Bay Assembly, Stage 1*. Bolt (paired) brackets & panels into place. **FULLY TIGHTEN ALL NUTS & BOLTS.**
3. IF BUILDING EXTENSION BAYS, GO TO STAGE 4.
 - With clad bay in final position, locate base plate shims (optional - refer to *Stage 5*).
 - If necessary, locate floor clips and secure with suitable anchor bolt - refer to *back page*.
 - Locate top and base shelves - 4 adjustable clips required per shelf. Locate infill panels.
4. ● Use the correct number of brackets and nuts & bolts for each panel and bay.
5. With clad bays in final position, locate base plate shims (optional).
 - If necessary, locate floor clips and secure to floor with suitable anchor bolt (anchors not supplied, available separately) - Also refer to *back page*.
6. Locate base shelves, infill panels and top shelves for each bay in turn.
7. Locate intermediate shelves - NOTE PLACEMENT RULES IN STARTER BAY ASSEMBLY STAGE 5.

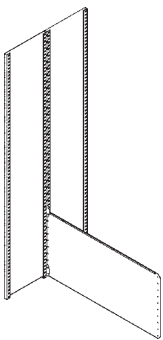
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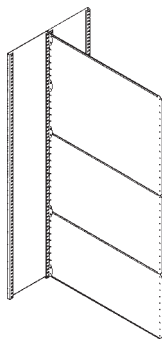
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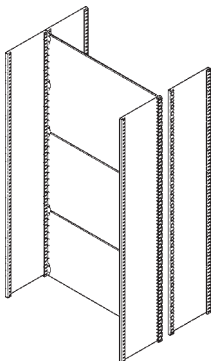
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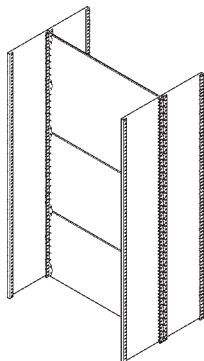
2.2



2.3



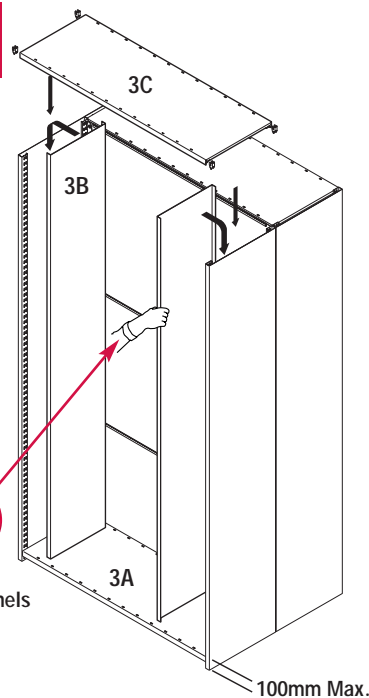
2.4



3



Support
infill panels
safely



AT THIS STAGE:

● If including extension bays, go to Stage 4 before fitting shelves and infill panels.

● **OPTIONAL:** Locate base plate shims - refer to Stage 5 (these help to spread the load and protect your floor).

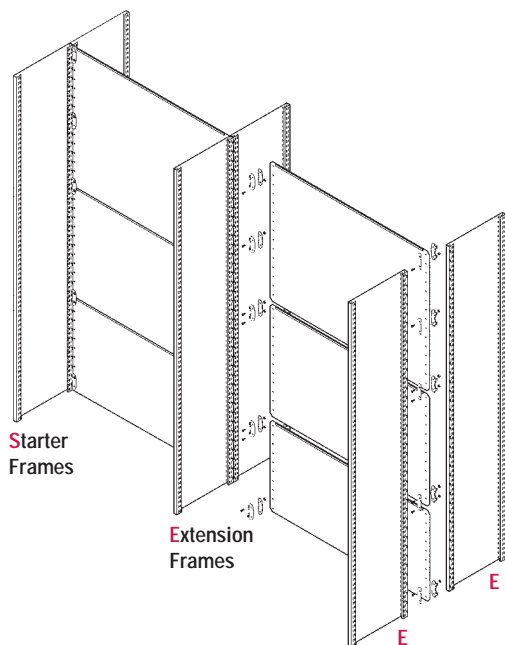
● Where necessary, bolt down using floor clips - refer to back page.

3A. Locate base shelf - refer to starter bay assembly Stage 5.

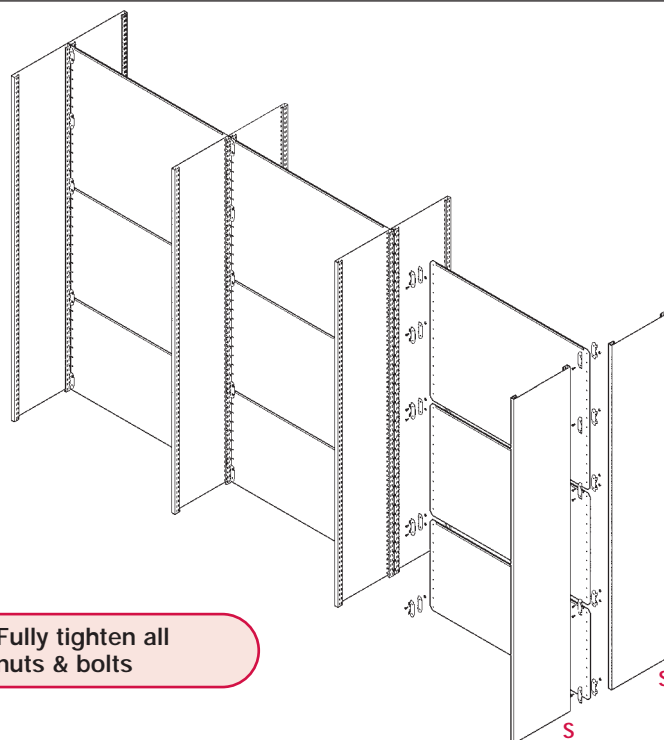
3B. Locate infill panels.

3C. Locate top shelf.

4

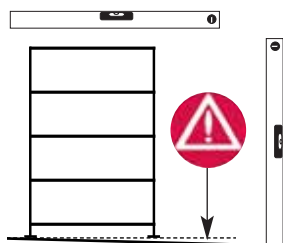


Fully tighten all
nuts & bolts

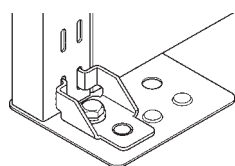


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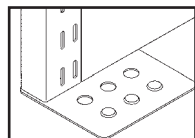
CHECK LEVELS



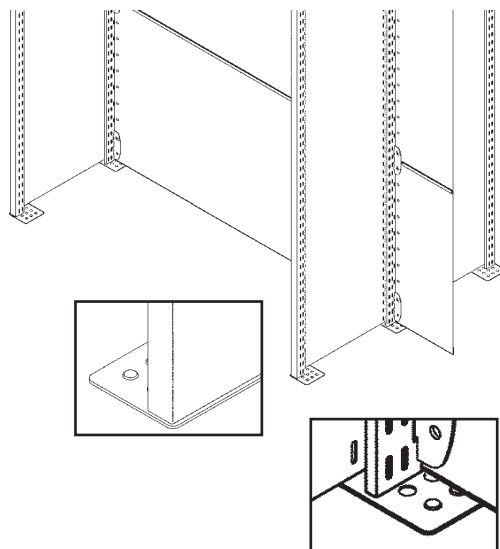
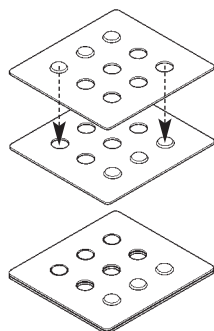
FLOOR FIXING
(where necessary)



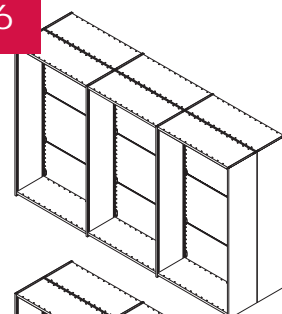
OPTIONAL:
Locate Base
Plate Shims



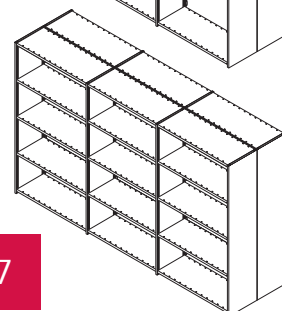
Stack to
level if
required



6



7



OPTIONAL: Floor Fixing

Read ALL instructions BEFORE commencing assembly

IN CERTAIN SITUATIONS SHELVING SHOULD BE BOLTED TO THE FLOOR FOR ADDITIONAL SAFETY & STABILITY.

This applies to tall, shallow bays where the height (taken as the distance from the floor to the highest loaded shelf) to depth ratio exceeds 4:1.

Floor fixing into solid floors is achieved using expansion bolts (available separately - Part Number ARR6), passing through floor clips and base plate shims into pre-drilled holes in the floor (using one fixing per 'perimeter' floor clip).

IF IN DOUBT WHEN TO FLOOR FIX, CONTACT YOUR SHELVING SUPPLIER BEFORE COMMENCING ASSEMBLY.



STABILITY = HEIGHT TO DEPTH RATIO

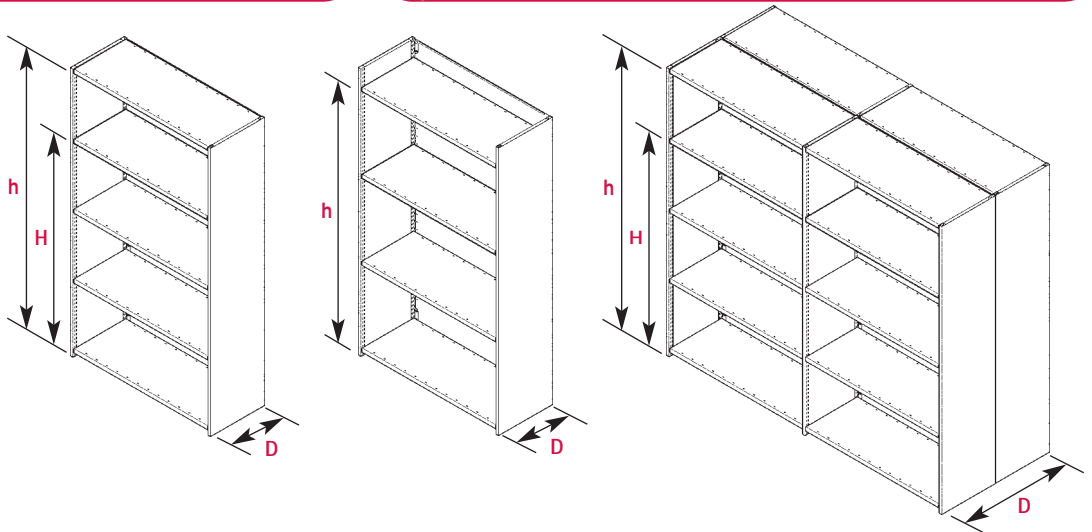


H:D greater than 4:1 = FLOOR FIXING RECOMMENDED
h:D greater than 4:1 = FLOOR FIXING RECOMMENDED

D = Depth

H = Height, floor to highest LOADED shelf, where top shelf is used as an UNLOADED dust cover

h = height, floor to highest loaded shelf, with top shelf loaded



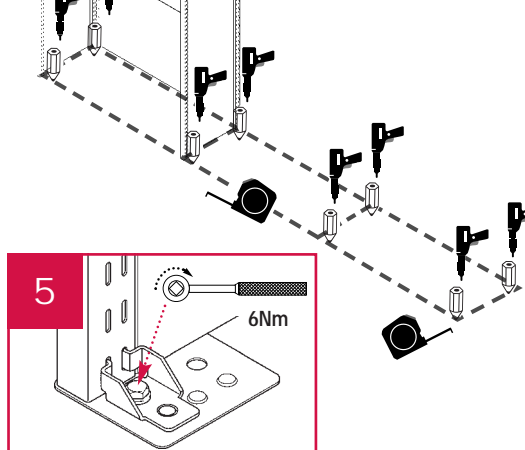
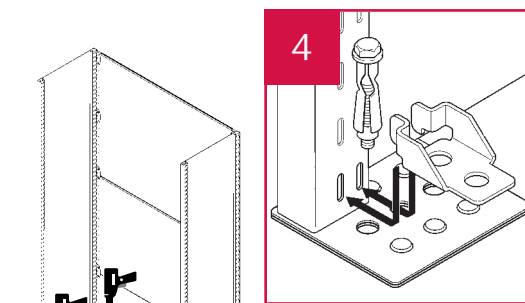
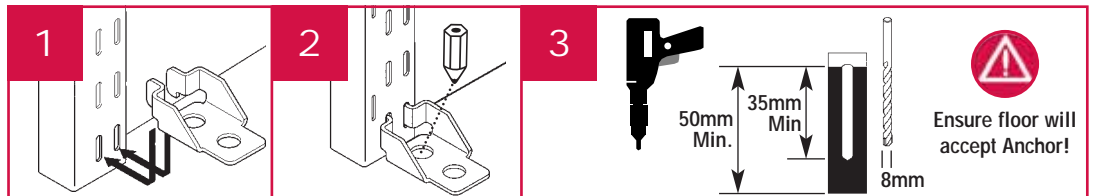
FIXING METHOD

NOTE: Ensure the floor is of a suitable material, density and thickness to accommodate the expansion fixings.

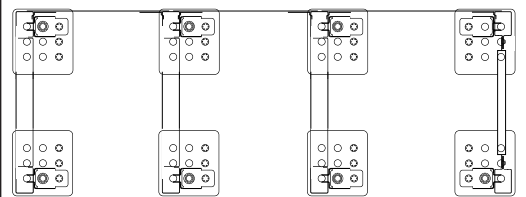
Orientate floor clips & base plate shims as shown. Part-built bays with floor clips in place should be offered into position (1) the expansion fixing hole positions carefully marked (2) and pre-drilled (3) before bays are fully assembled in final position. Locate floor clips and slot base plate shims into place. Bolt floor clip & base plate shim assemblies down to the floor with expansion fixings, and tighten to the correct torque loading (4 & 5).



= Location of additional Floor Clips where H:D/h:D greater than 6:1



Single Depth Bays - orientation (Duo or Mono Frame)



Back to Back Bays - orientation (Duo or Mono Frame)

