


Assembly & User Guide

PART NUMBER: SZASSYINSTSO. ISSUE 1.10.05

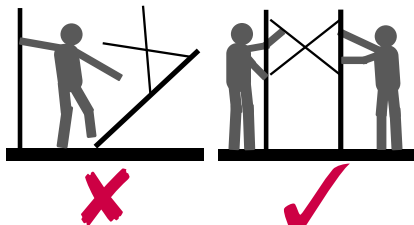
STORMOR® SOLO SHELVEING

Bays with Open, Cross-braced Backs

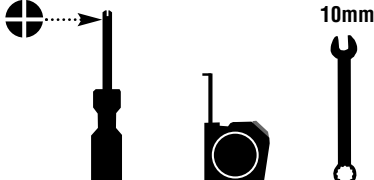
 **READ THIS GUIDE THOROUGHLY BEFORE COMMENCING ASSEMBLY AND RETAIN FOR REFERENCE**



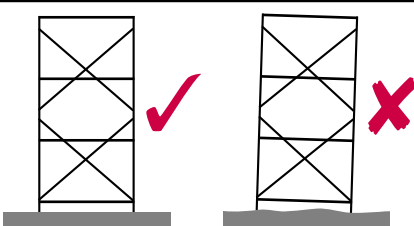
ASSEMBLY SHOULD BE UNDERTAKEN BY TWO COMPETENT PEOPLE (Preferably by trained shelving installers).



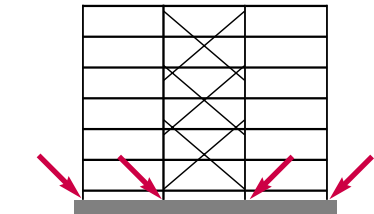
BASIC TOOLS (not supplied)

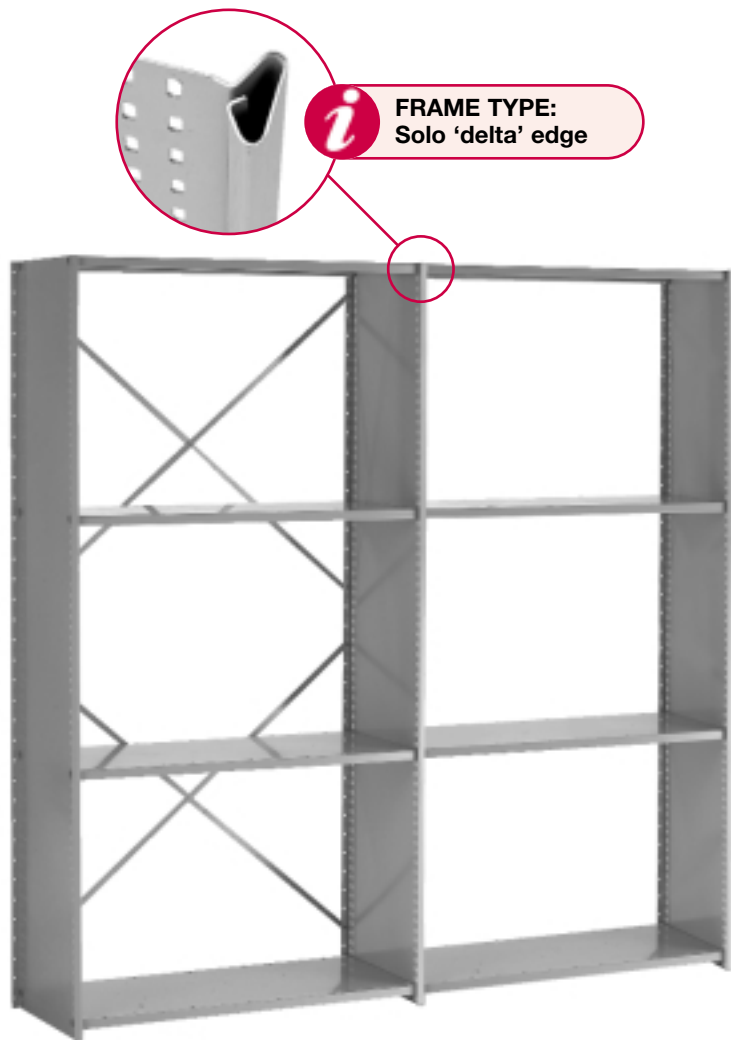


LOCATE & BUILD SHELVEING ON A SUITABLE LEVEL FLOOR (Additional base plate shims may be required for uneven floors).




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

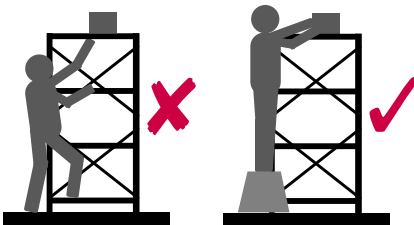




 **FRAME TYPE:**
Solo 'delta' edge

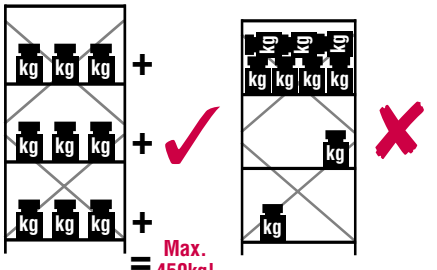


DO NOT CLIMB THE STRUCTURE OR STAND ON SHELVEIS
Replace damaged components.



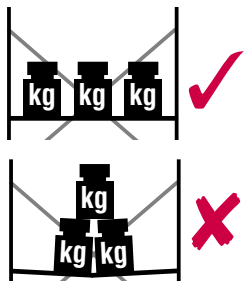
USE A SUITABLE WORKING PLATFORM TO REACH HIGHER SHELVEIS

BAY LOAD UNIFORMLY DISTRIBUTED!
DO NOT EXCEED MAXIMUM SAFE BAY LOAD OF 450KG



Max. 450kg!

ENSURE SHELF LOADS 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 SHELVEIS, 'H' DUTY*

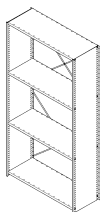
Shelf Depth mm	Shelf Width mm		
	900	1000	1250
300	78kg	70kg	45kg
370	78kg	70kg	45kg
400	78kg	70kg	45kg
450	78kg	70kg	45kg

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

Shelf Depth mm	Shelf Width mm		
	900	1000	1250
300	130kg	120kg	75kg
370	130kg	120kg	75kg
400	130kg	120kg	75kg
450	130kg	120kg	75kg

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

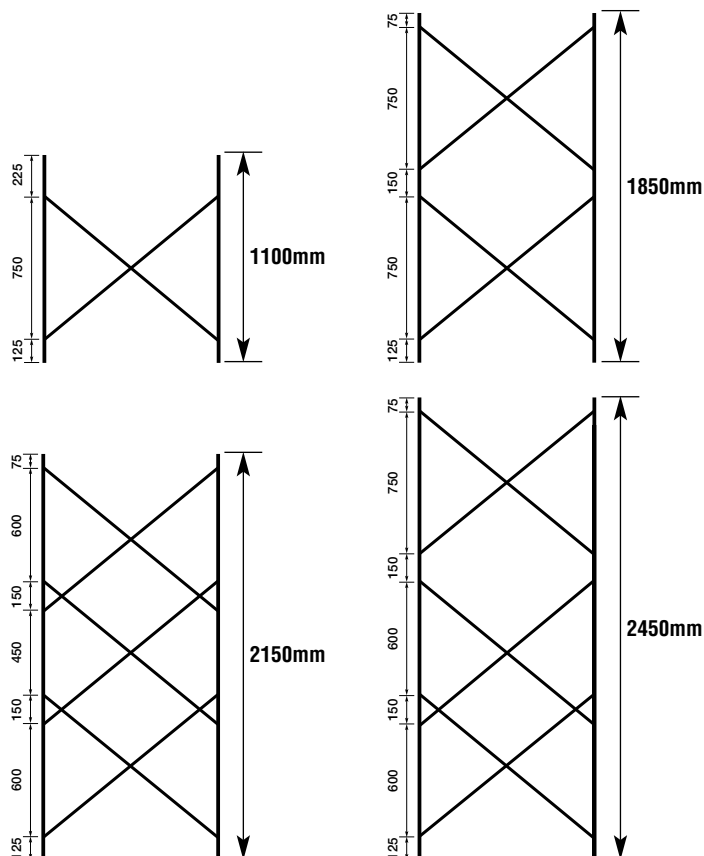


Read ALL instructions BEFORE commencing assembly ▼

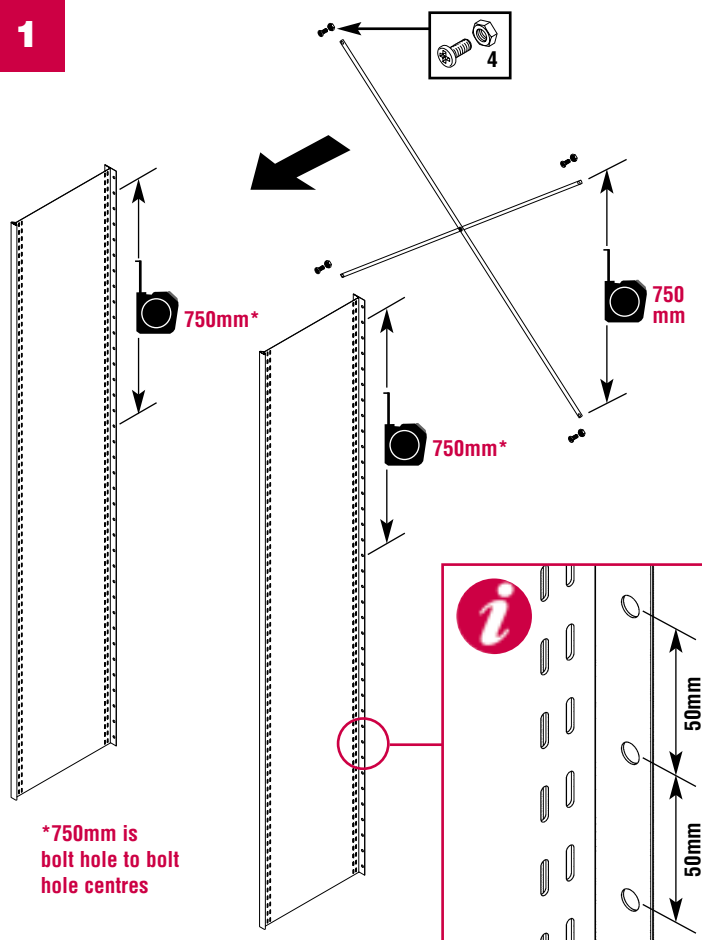
- 1 & 2.** Position frames and locate first cross-brace - *note 750mm setting for all bracing.*
- 3.** Locate remaining cross-brace/s for the frame height.
FULLY TIGHTEN ALL BOLTS - *each cross-brace requires 4 nuts & bolts.*
- 4.** Locate top and base shelves - *4 adjustable clips required per shelf.*
 - With braced bay in final position, locate base plate shims (optional).
 - Check levels and shim bay if required.
 - If necessary, locate floor clips and secure to floor with suitable anchor bolt (anchors not supplied, available separately) - *Also refer to back page.*
- 5.** Locate remaining intermediate shelves - **NOTE PLACEMENT RULES.**



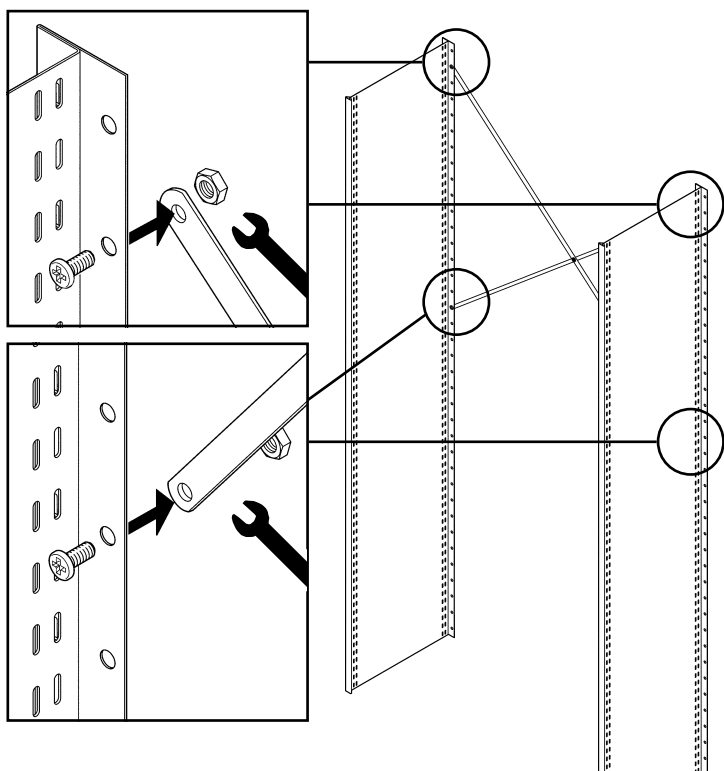
ALL STARTER BAYS ARE CROSS-BRACED
Identify your frame height.



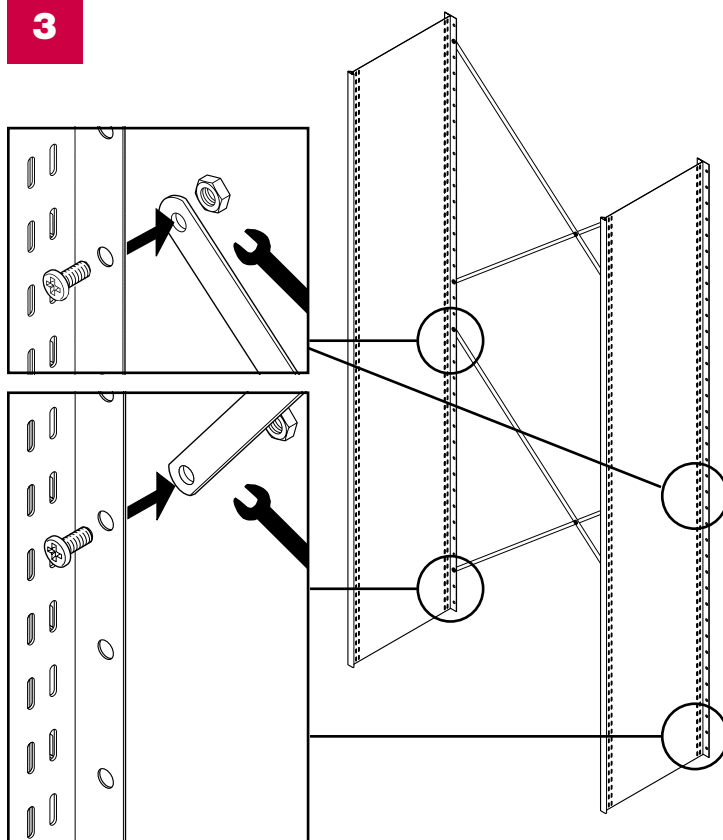
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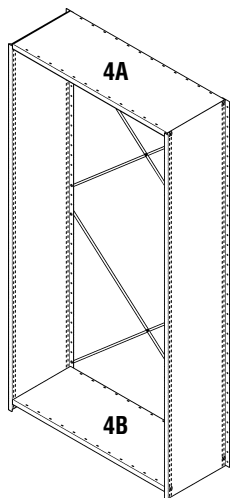
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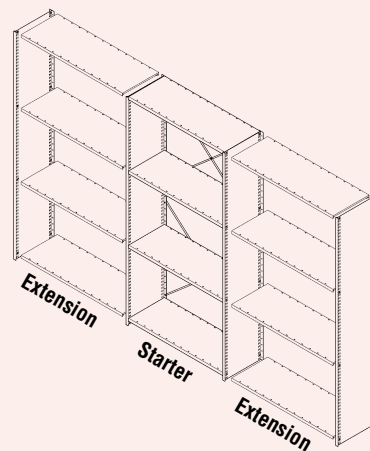


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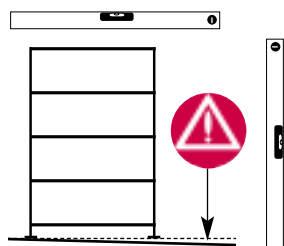


AT THIS STAGE:

- Locate top and base shelves - refer to stage 5 below.
- If including extension bays, go to stage 6 before fitting remaining shelves.
- **OPTIONAL:** Locate base plate shims - see below. (These help to spread the load and protect your floor covering)
- Where necessary, bolt down using floor clips - refer to back page.

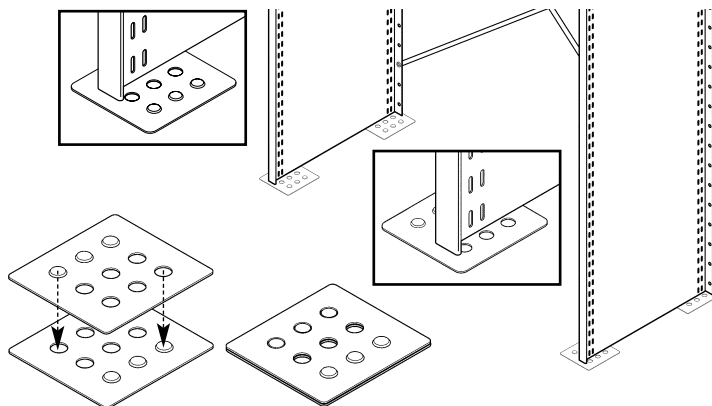


CHECK LEVELS

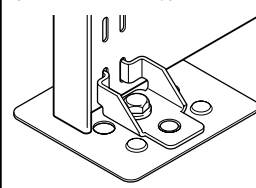


OPTIONAL: Locate Base Plate Shims

Stack to level if required

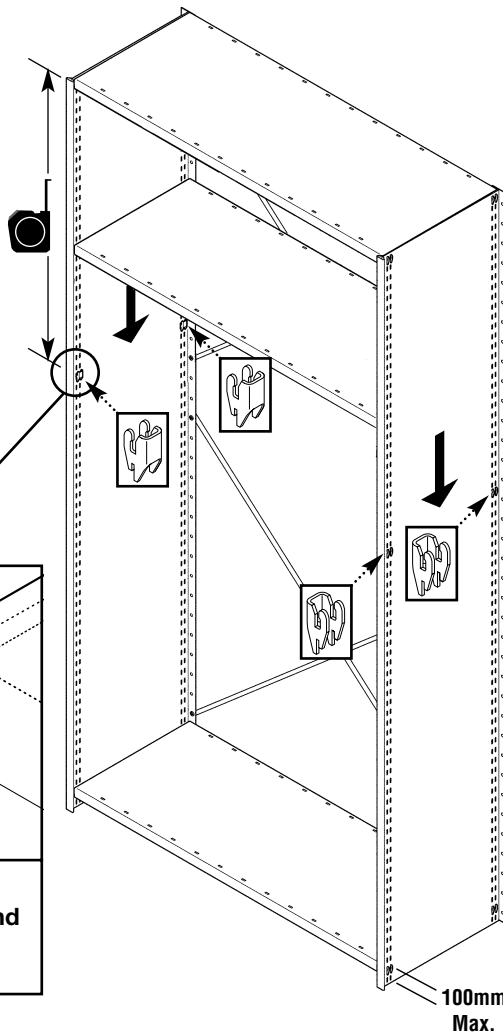
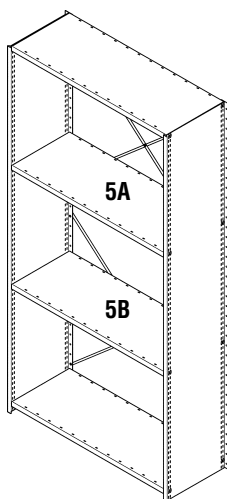


FLOOR FIXING (where necessary)

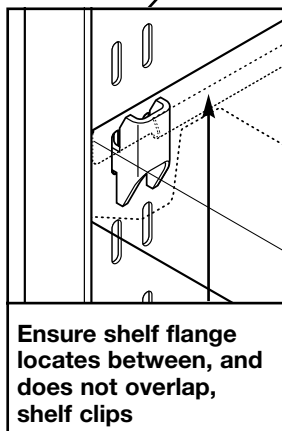
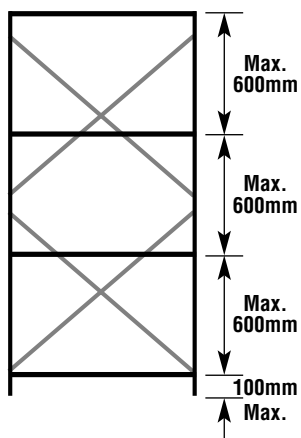


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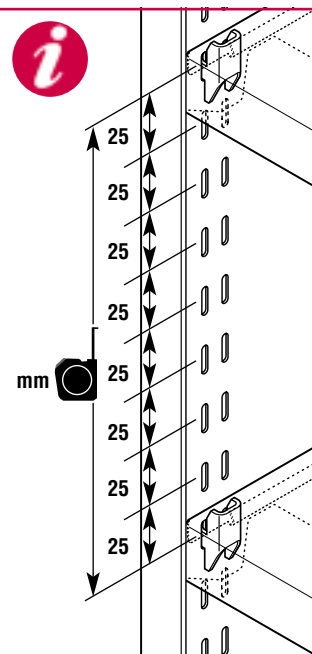
Shelf Location



SHELF PLACEMENT note maximum spacing!

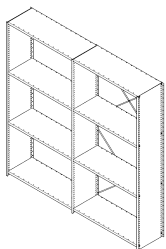


Ensure shelf flange locates between, and does not overlap, shelf clips



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

Extension Bays



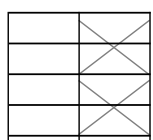
Read ALL instructions BEFORE commencing assembly ▼

6. Position extension frame and locate top and base shelves - 2 adjustable clips required per shelf; clips already in starter bay support shelves at other end.
 - WHEN BUILDING MORE THAN 3 BAYS INCLUDE ADDITIONAL BRACING.
 - FULLY TIGHTEN ALL BOLTS - each cross-brace requires 4 nuts & bolts.
7. With braced bays in final position, locate base plate shims (optional).
 - Check levels and shim bays if required.
 - If necessary, locate floor clips and secure to floor with suitable anchor bolt (anchors not supplied, available separately) - Also refer to back page.
8. Locate remaining intermediate shelves - FOLLOW PLACEMENT RULES IN STAGE 5.

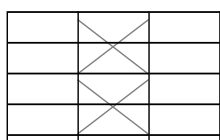
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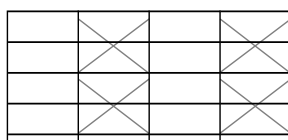
MORE THAN 3 BAYS REQUIRE ADDITIONAL CROSS-BRACING
Identify your frame height and follow minimum safe bracing pattern.



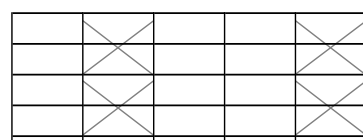
2 BAYS



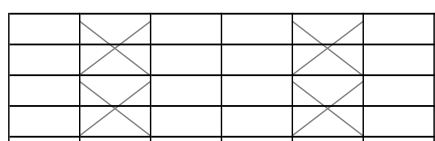
3 BAYS



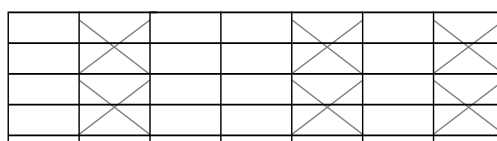
4 BAYS



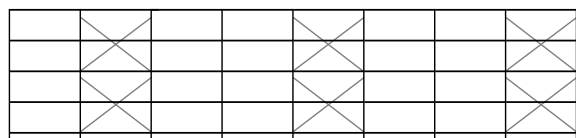
5 BAYS



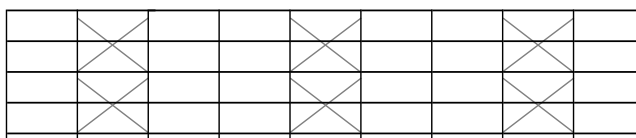
6 BAYS



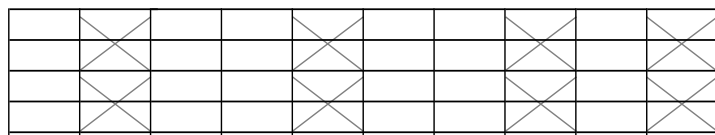
7 BAYS



8 BAYS



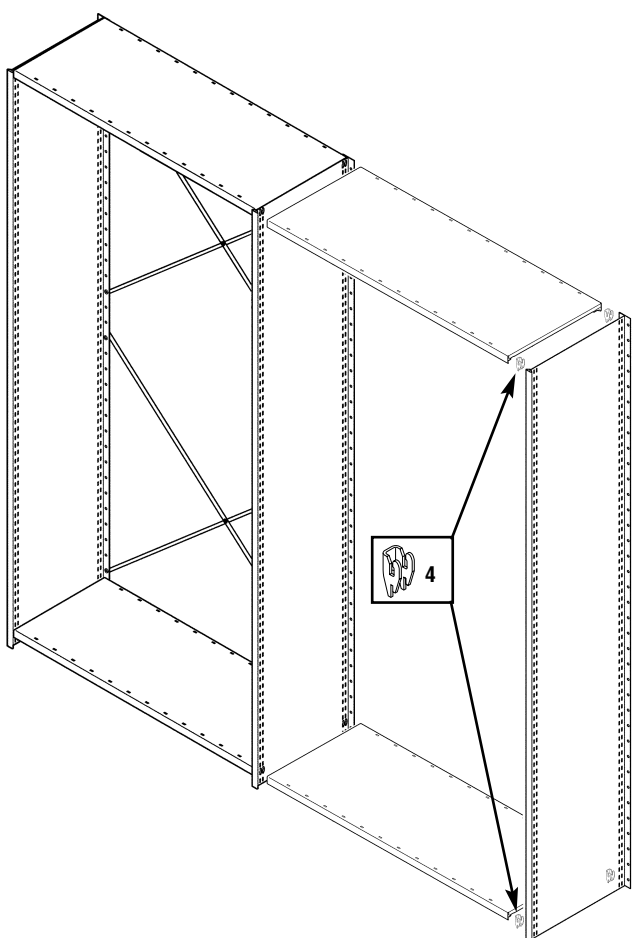
9 BAYS



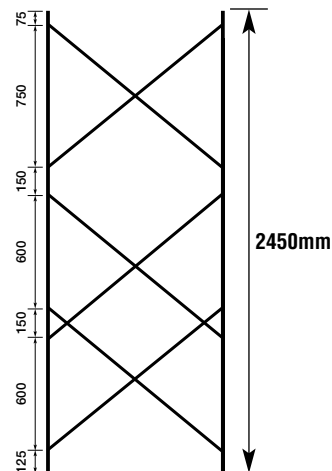
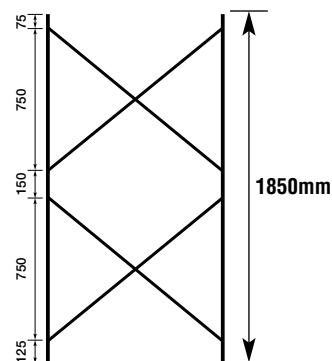
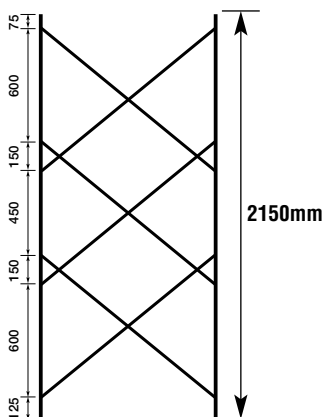
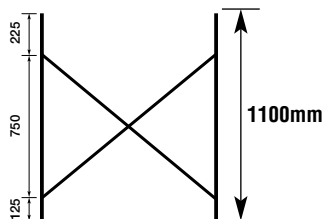
10 BAYS

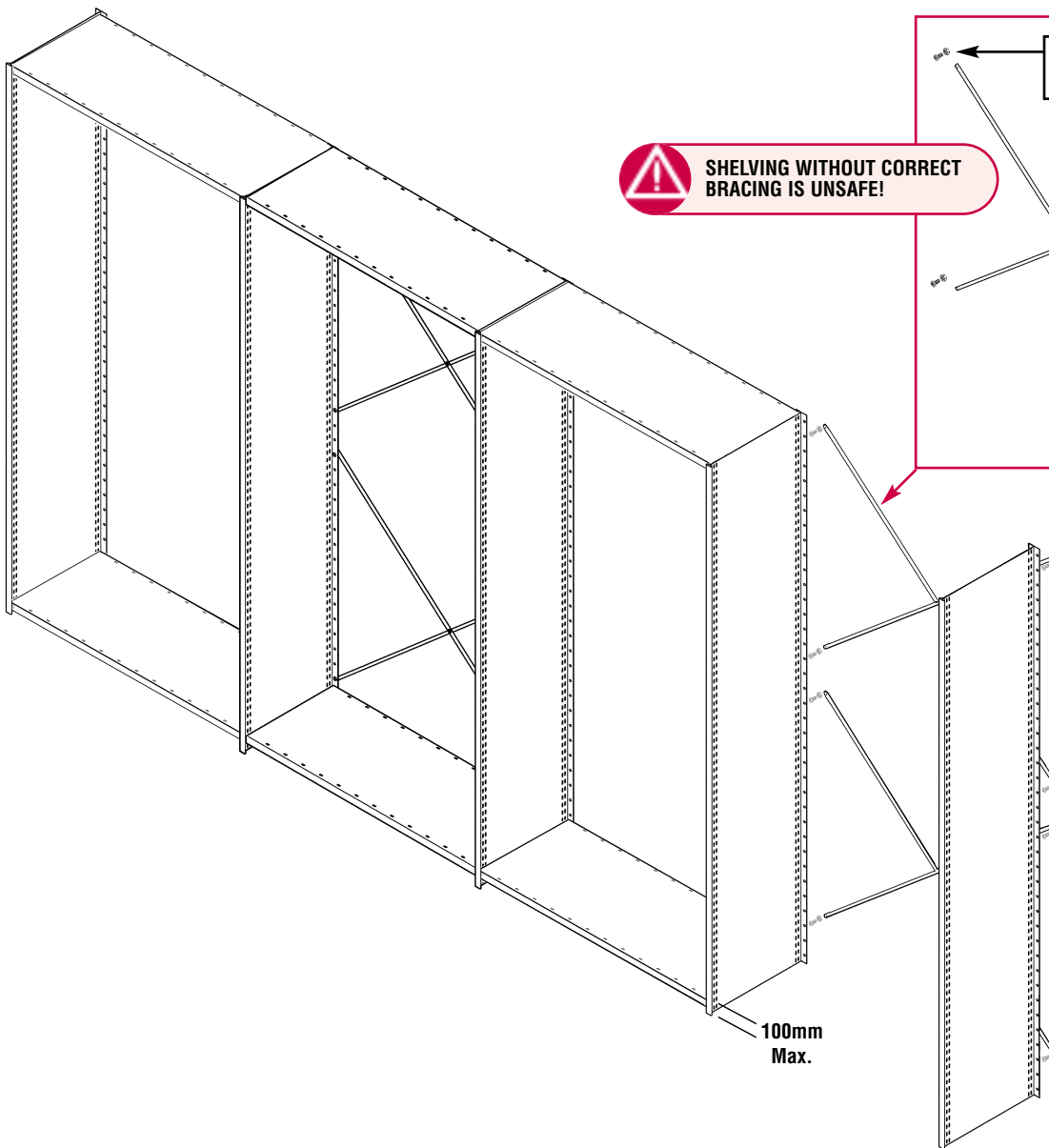
NOTE:

Any additional bracing supplied may also be fitted to remaining open bays.



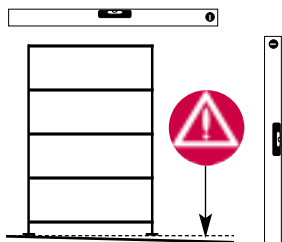
Identify your frame height.



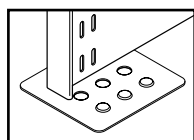


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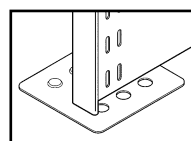
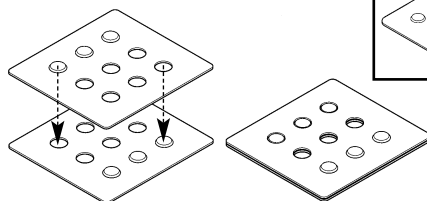
CHECK LEVELS



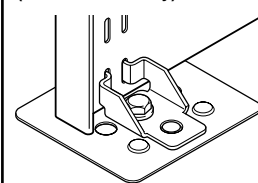
OPTIONAL:
Locate Base
Plate Shims



Stack to level
if required



FLOOR FIXING
(where necessary)

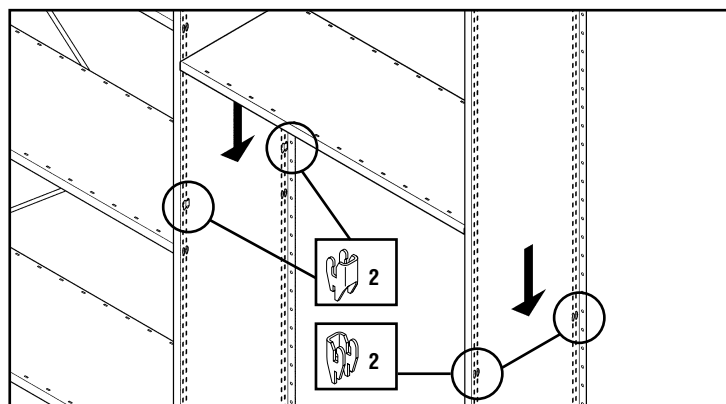
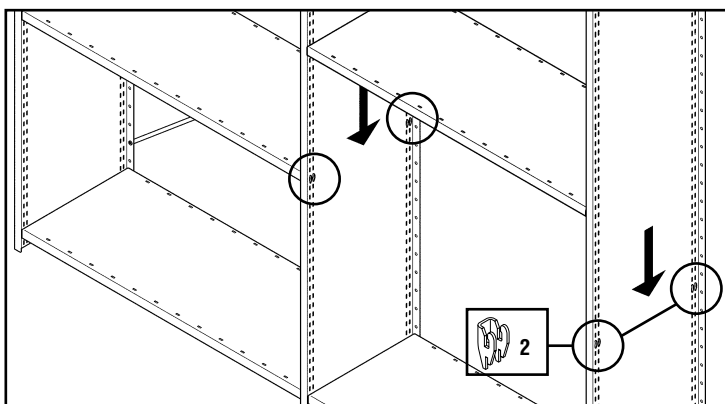


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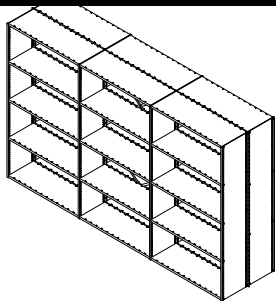


Shelves set at **SAME** height to shelves in adjacent bay require 2 clips.

Shelves set at **DIFFERENT** height to shelves in adjacent bay require 4 clips.



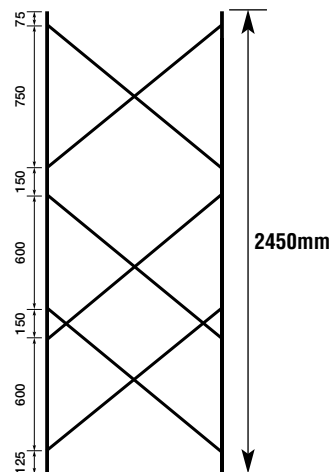
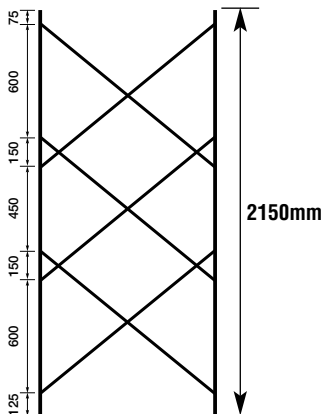
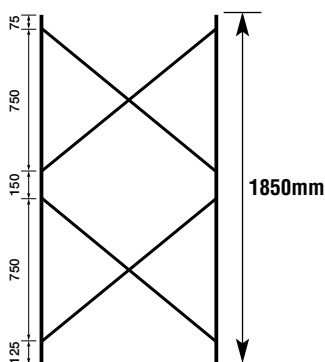
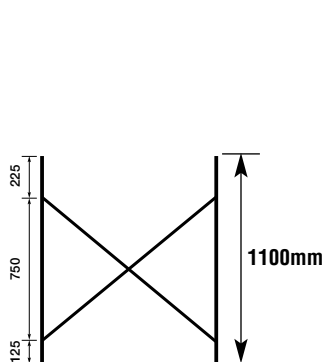
Back to Back Bays



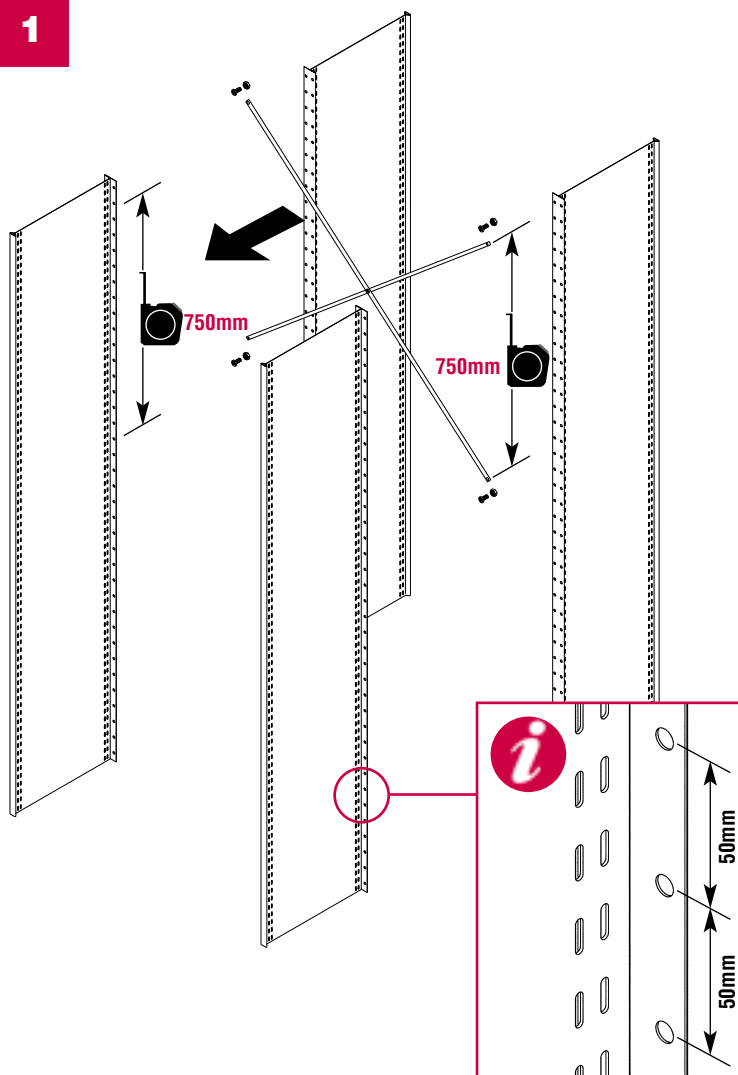
ALSO REFER TO STARTER & EXTENSION BAY ASSEMBLY
Read ALL instructions BEFORE commencing assembly

- 1 & 2.** Position pair of frames and locate first cross-brace - *note 750mm setting for all bracing.*
- 3.** Fit cross-brace to second pair of frames.
- 4.** Locate remaining cross-brace/s for the frame height.
FULLY TIGHTEN ALL BOLTS - each cross-brace requires 4 nuts & bolts.
- 5.** Locate top and base shelves - *4 adjustable clips required per shelf.*
With braced bays in final position, locate base plate shims (optional).
- 6.** Position extension frames and locate top and base shelves -
2 adjustable clips required per shelf.
WHEN BUILDING MORE THAN 6 BAYS INCORPORATE ADDITIONAL BRACING.
Go to Stage 7

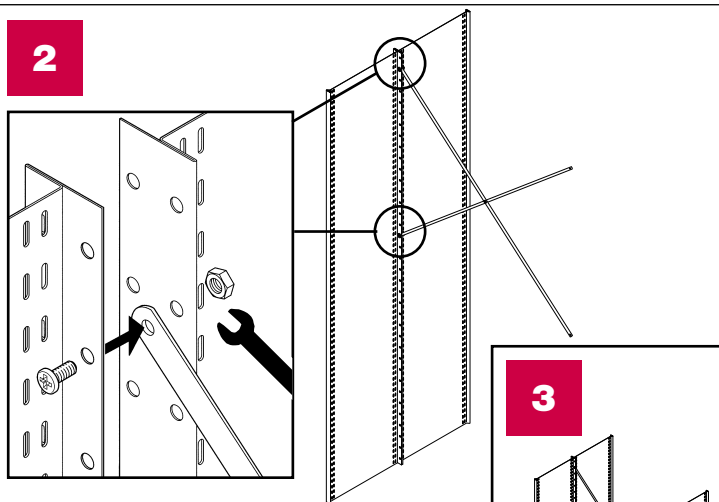
i ALL INITIAL BAYS ARE CROSS-BRACED
Identify your frame height.



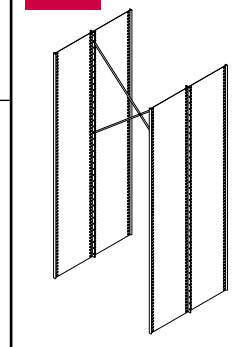
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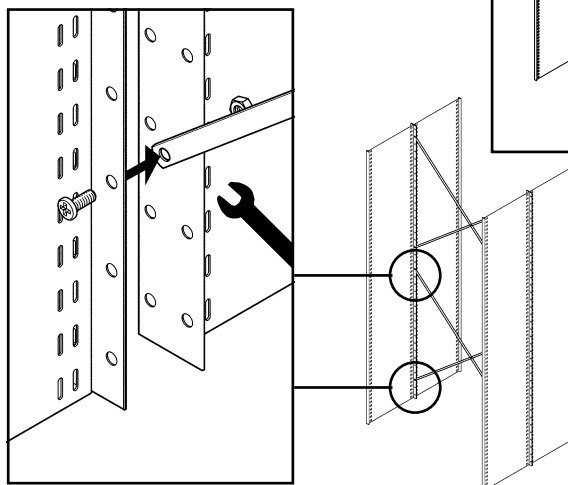
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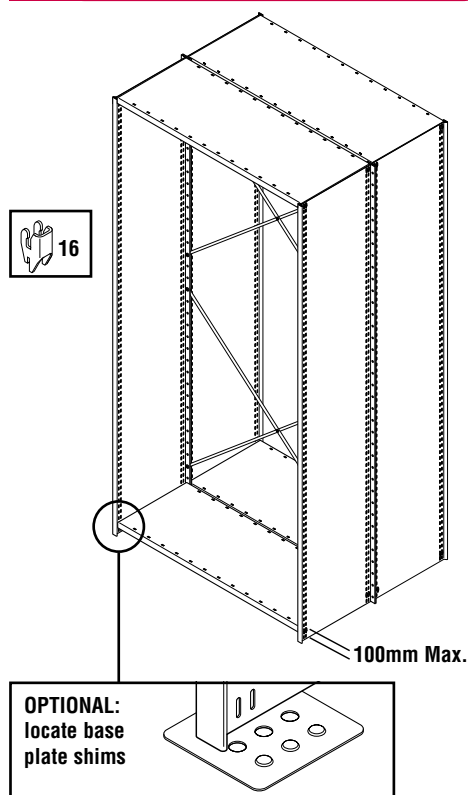


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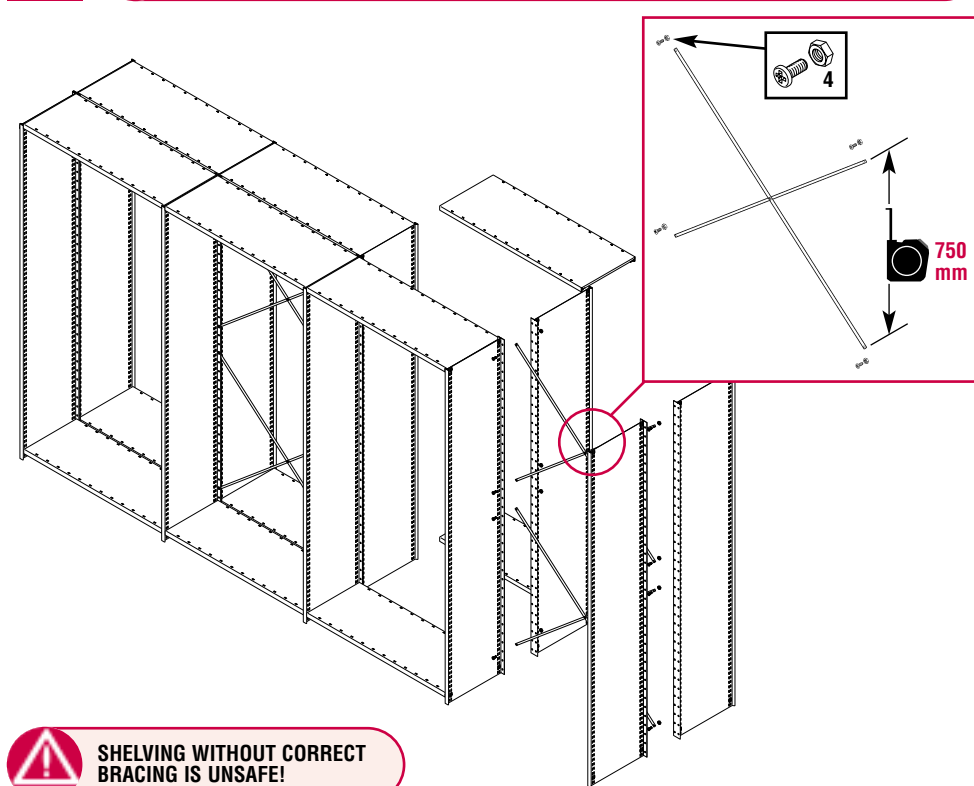


7. With braced bays in final position, link frames with additional nuts & bolts. Fit within maximum of 125mm from top and base.
 - Locate base plate shims (optional).
 - Check levels and shim bays if required - refer to Stage 7 of Extension Bay assembly
 - If necessary, locate floor clips and secure to floor with suitable anchor bolt (anchors not supplied, available separately) - also refer to back page.
8. Locate intermediate shelves - NOTE PLACEMENT RULES IN STARTER BAY ASSEMBLY STAGE 5 AND EXTENSION BAY ASSEMBLY STAGE 8.

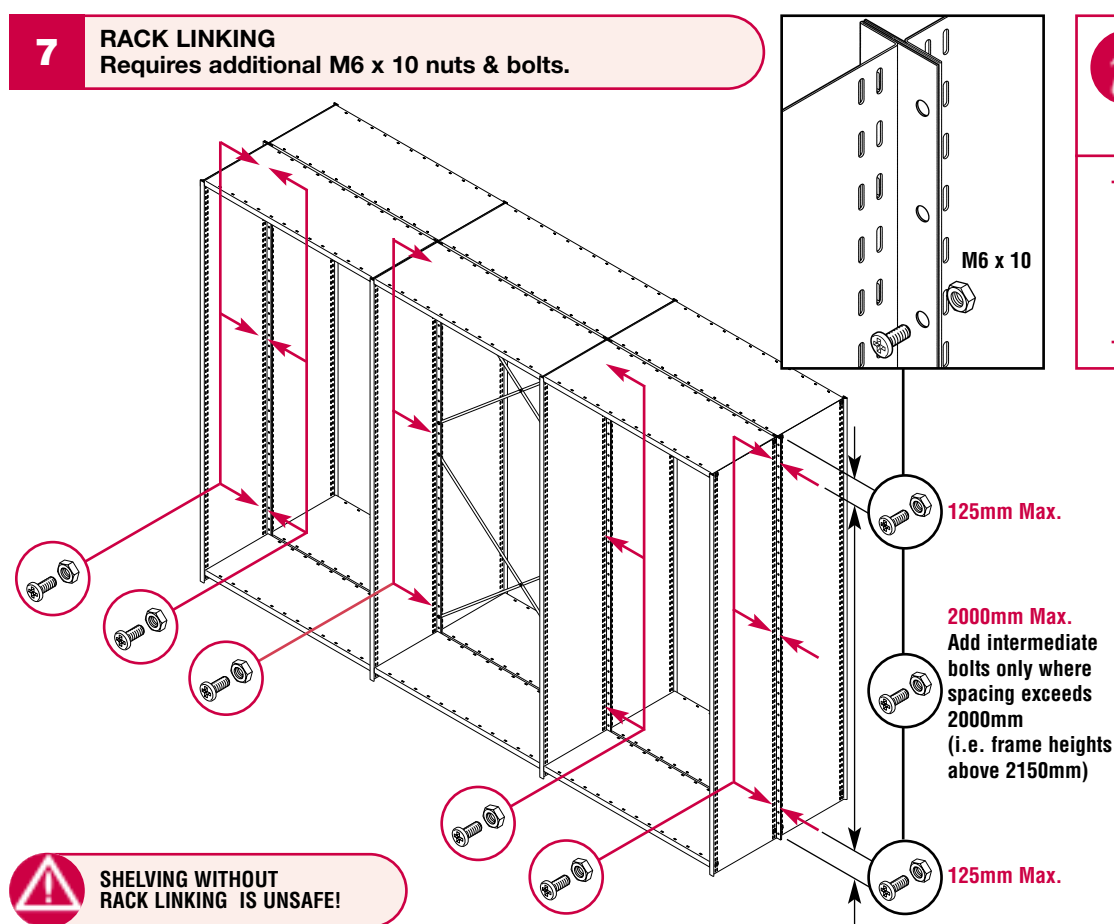
5 Locate top and base shelves.



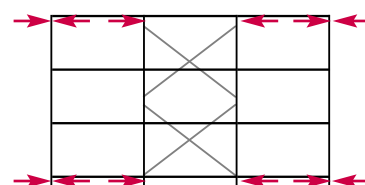
6 MORE THAN 6 BAYS REQUIRE ADDITIONAL CROSS-BRACING Refer to Extension Bay assembly, Stage 6, for requirement.



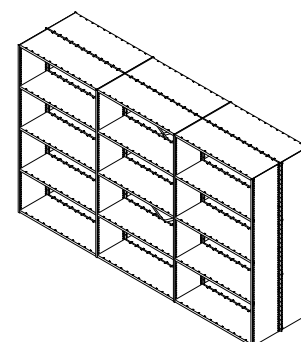
7 RACK LINKING Requires additional M6 x 10 nuts & bolts.



BRACED FRAMES - link opposite (unbraced) side only UNBRACED FRAMES - link both sides



8 Locate intermediate shelves



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.

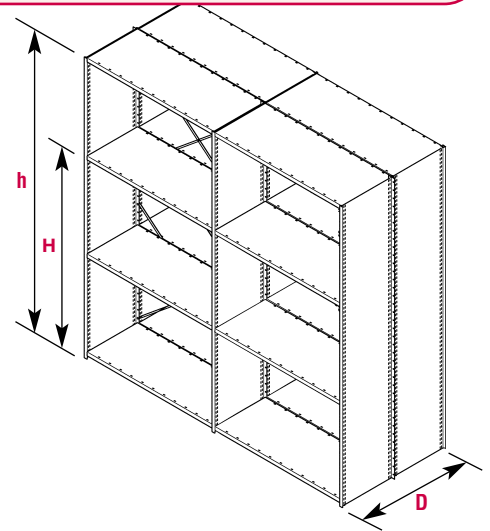
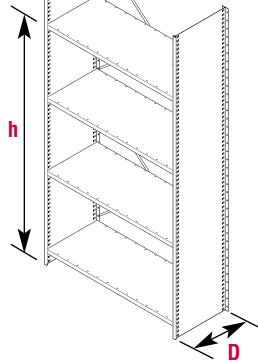
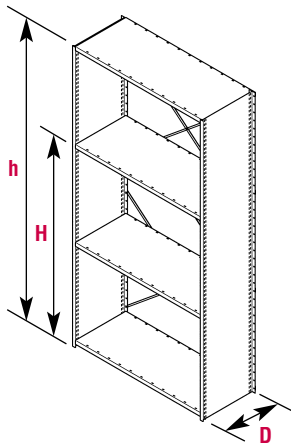


STABILITY = HEIGHT TO DEPTH RATIO

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



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



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.

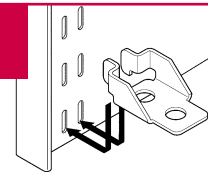
Part-built bays with floor clips in place should be offered into position (1) the expansion fixing hole positions carefully marked (2) and pre-drilled (3) before bays are fully assembled in final position.

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).

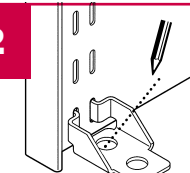


= Location of additional Floor Clips where H:D/h:D greater than 6:1

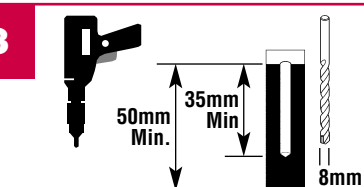
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2

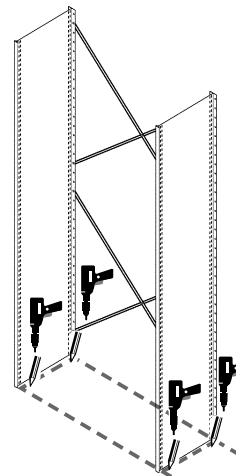
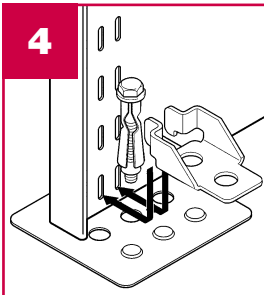


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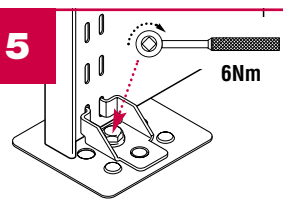


Ensure floor will accept Anchor!

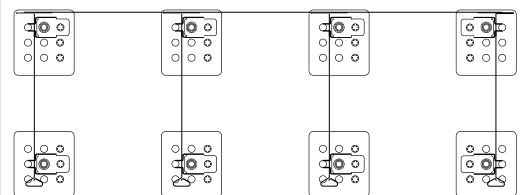
4



5



Single Depth Bays - orientation



Back to Back Bays - orientation

