

STORMOR® DUO SHELVING

Bays with Open, Cross-braced Backs

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

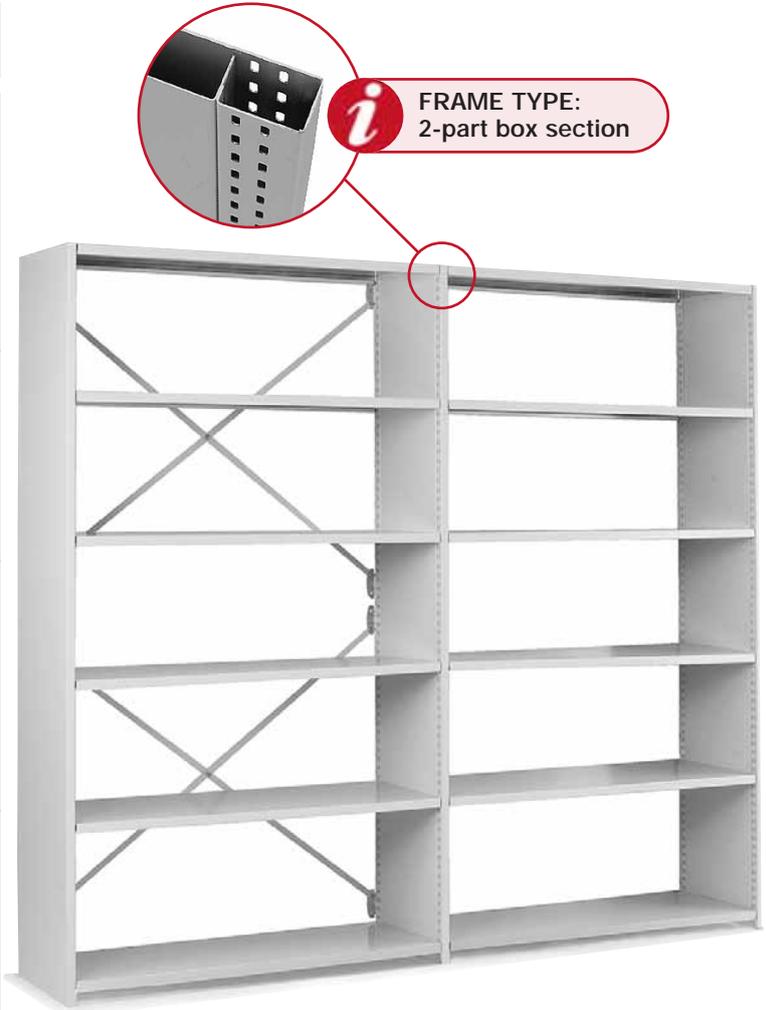
ASSEMBLY SHOULD BE UNDERTAKEN BY TWO COMPETENT PEOPLE
Preferably suitably trained shelving installers

BASIC TOOLS (not supplied)

10mm

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

**Also refer to Assembly Guide Supplement part number SZASSYGUIDESUPP for other possible variations in cross-bracing frequency and loading capacity.*

***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*

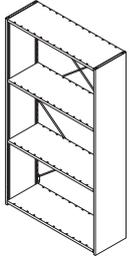
Shelf Depth	Shelf Width mm		
	900mm	1000mm	1250mm
300mm - 450mm	130kg	120kg	75kg
500mm	90kg	90kg	70kg
600mm	70kg	65kg	65kg

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.

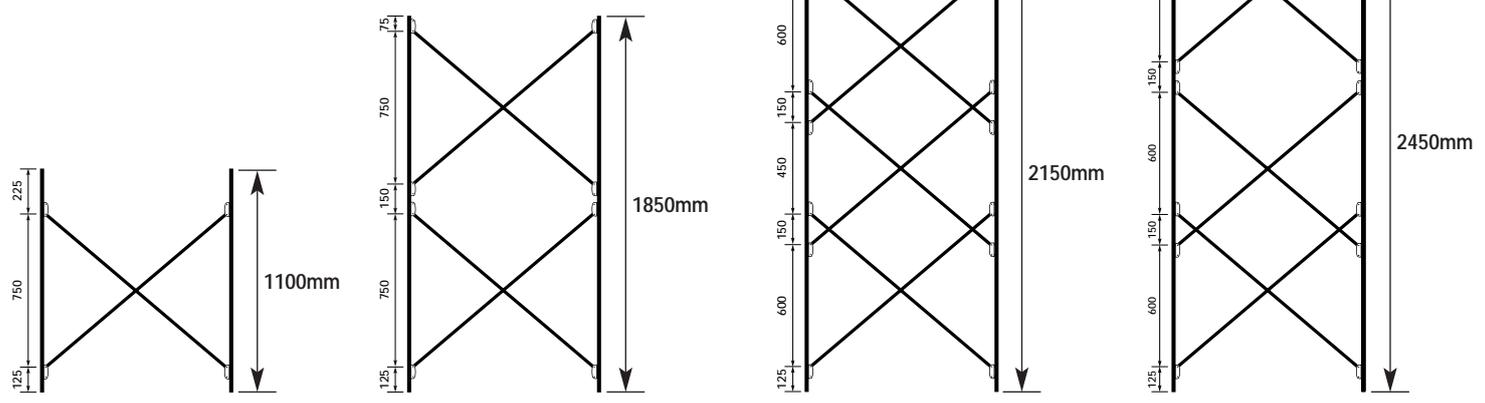
Starter Bay



Read ALL instructions BEFORE commencing assembly ▼

- 1 & 2. Select Starter only or Starter & Extension frames. Orientate frames and locate first cross-brace using brackets, nuts & bolts - *Note correct orientation of brackets and 750mm setting for bracing.* FULLY TIGHTEN ALL BOLTS.
3. Locate remaining cross-brace/s for the frame height. FULLY TIGHTEN ALL BOLTS.
4. Locate top shelf (4 adjustable clips required per shelf; refer to Stage 5), infill panels and base 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.**

i ALL STARTER BAYS ARE CROSS-BRACED
Note number of bracings for your frame height.



1

i Orientate all frames with bracket location slots to rear

Remove infill panels

750mm bolt to bolt

750mm bolt to bolt

50mm

4

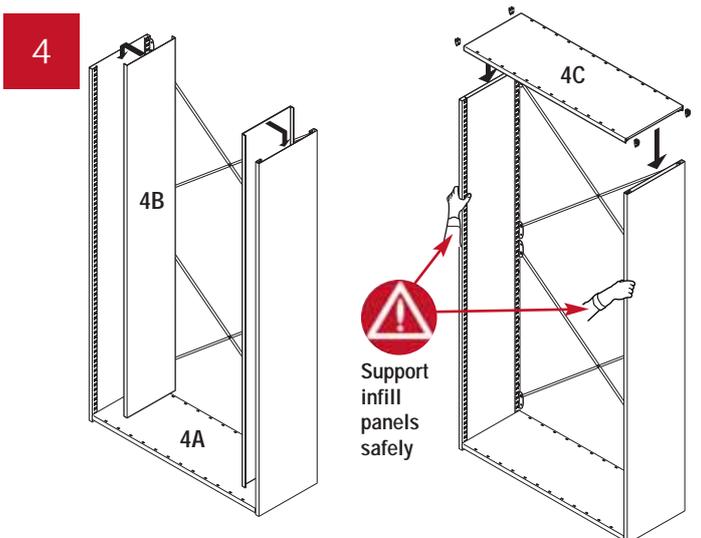
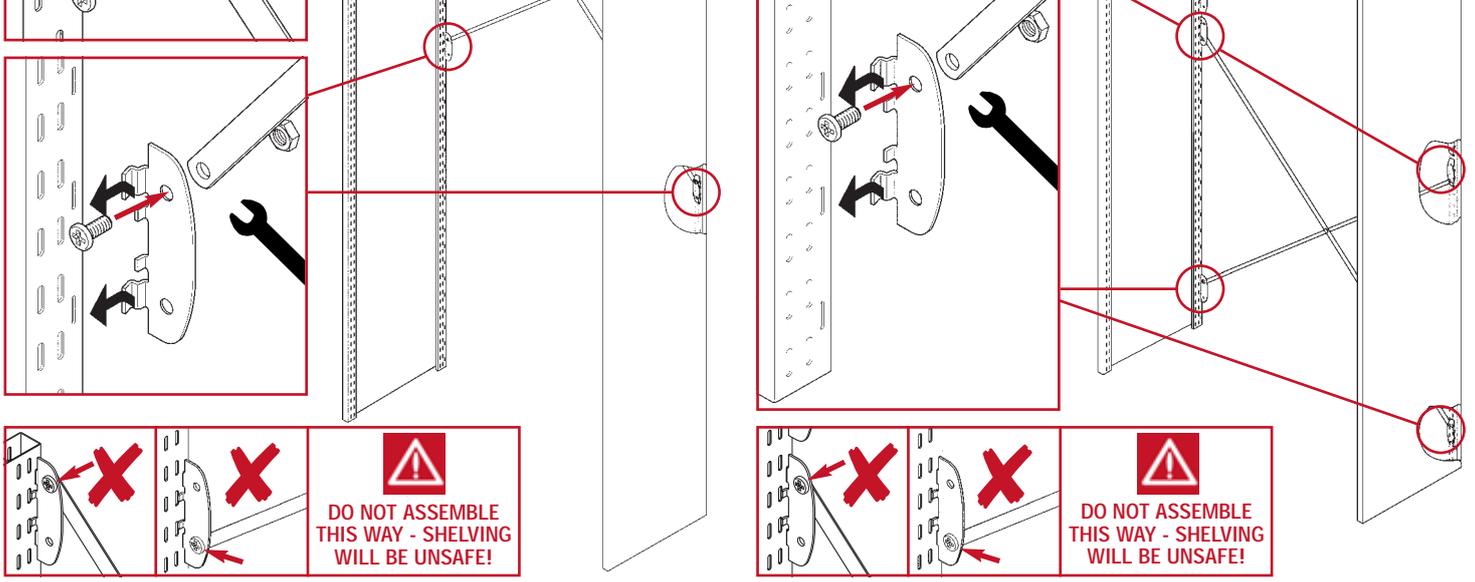
4

i 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.

S	S
S	E S
S	E E S
Starter	Extension

2

3



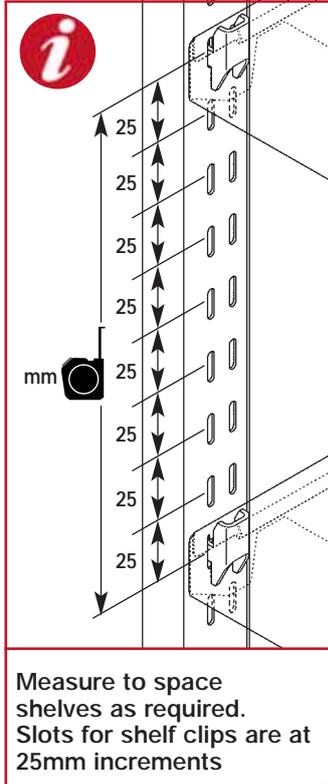
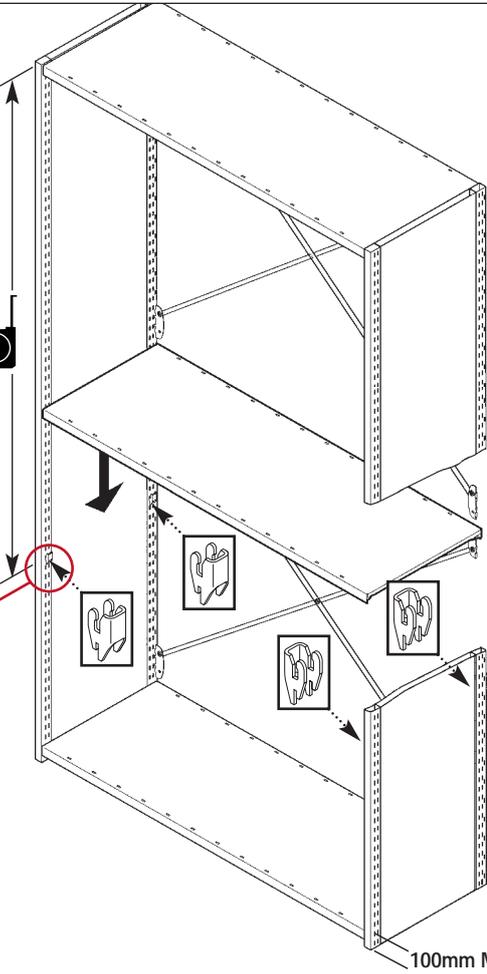
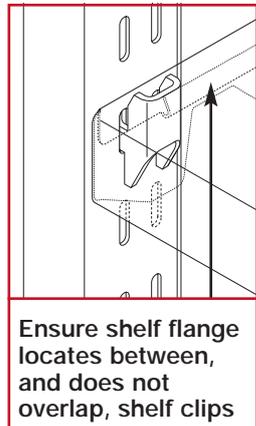
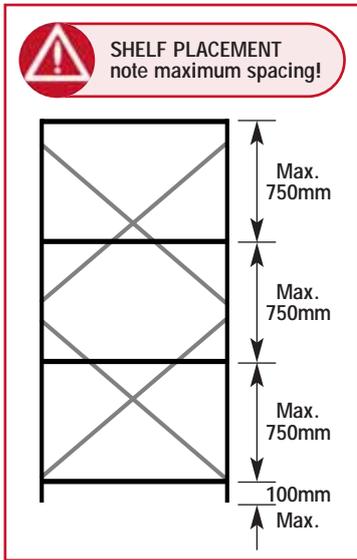
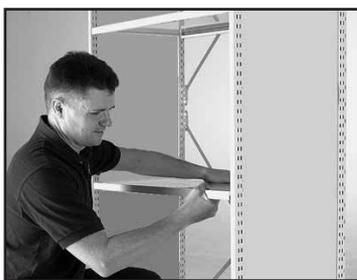
4

AT THIS STAGE:

- If including extension bays, go to Stage 6 before fitting intermediate shelves.
- OPTIONAL - On single bay: 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.

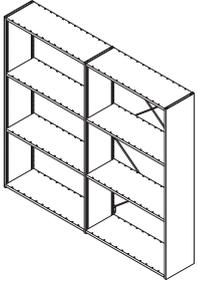
4A. Locate base shelf - refer to Stage 5 below.
 4B. Locate infill panels.
 4C. Locate top shelf.

5 Shelf Location with 4 clips per shelf



Extension Bays

Read ALL instructions BEFORE commencing assembly ▼



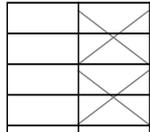
6. Position extension frame and locate top and base shelves - 4 adjustable clips required per shelf.
 - WHEN BUILDING MORE THAN 2 BAYS INCLUDE ADDITIONAL BRACING.
 - FULLY TIGHTEN ALL BOLTS - each cross-brace requires 4 brackets and 4 nuts & bolts.
7. With braced bays in final position, locate base plate 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.

6

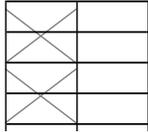


MORE THAN 2 BAYS REQUIRE ADDITIONAL CROSS-BRACING*

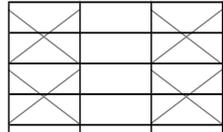
Note number of bracings for your frame height and follow bracing frequency.



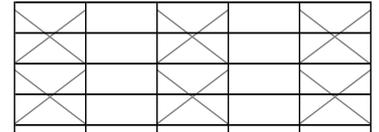
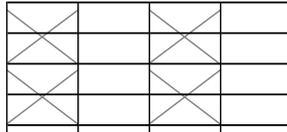
2 BAYS



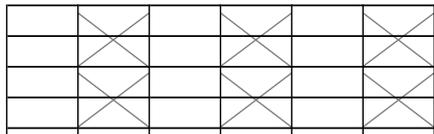
3 BAYS



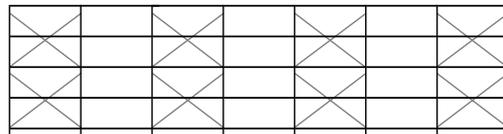
4 BAYS



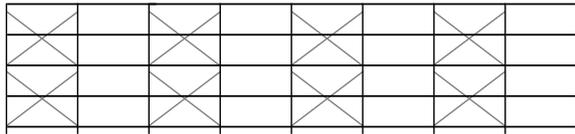
5 BAYS



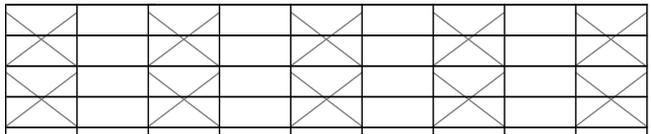
6 BAYS



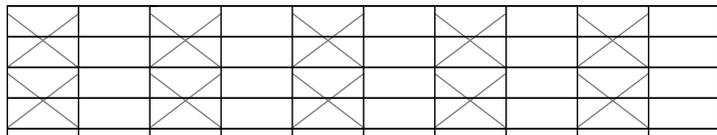
7 BAYS



8 BAYS



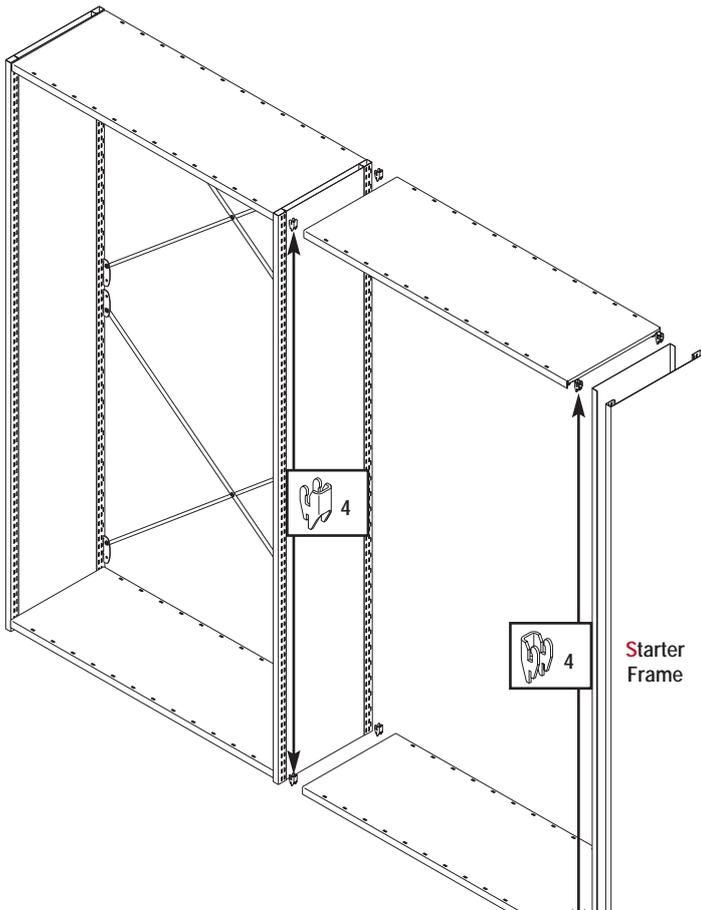
9 BAYS



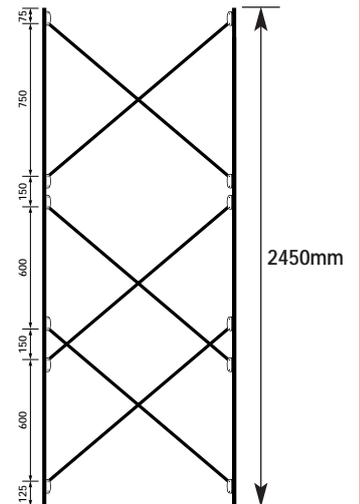
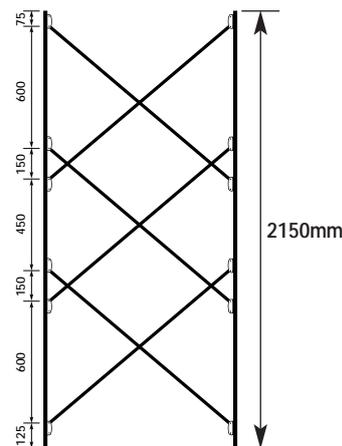
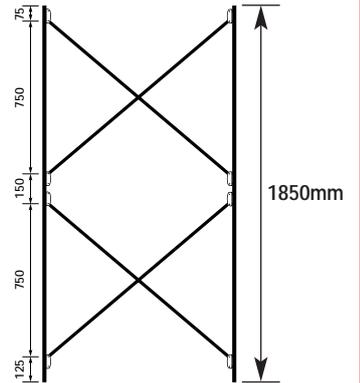
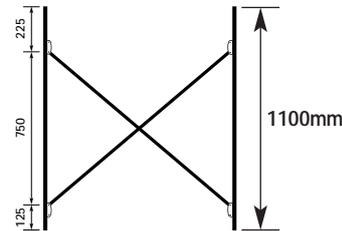
10 BAYS

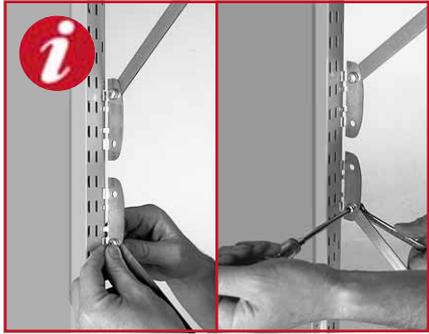
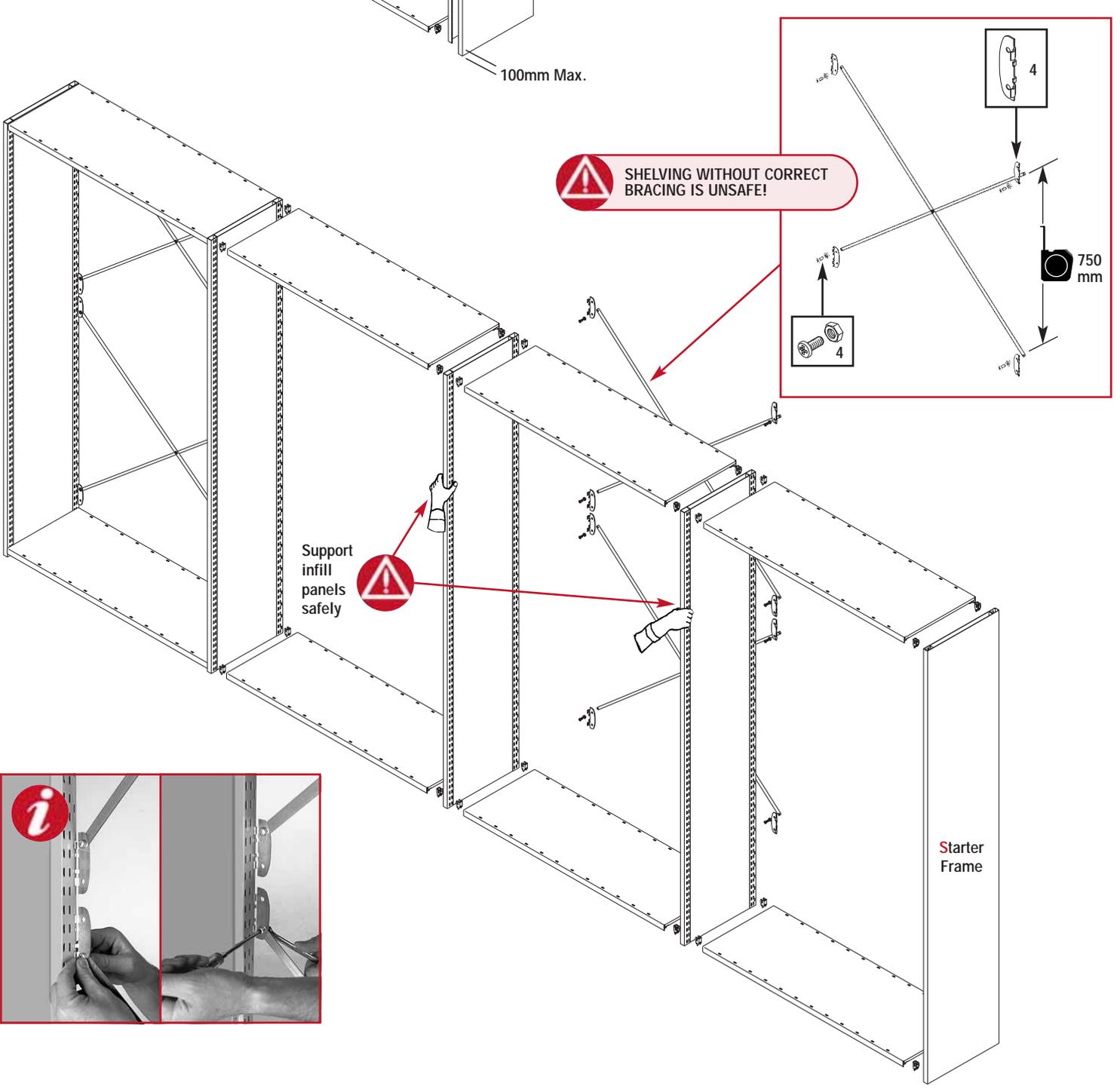
***NOTE:**

Any additional bracing supplied may also be fitted to remaining open bays.
Also refer to Assembly Guide Supplement part number SZASSYGUIDESUPP for other possible variations in cross-bracing frequency and loading capacity.



Note bracing for your frame height.





7 CHECK LEVELS

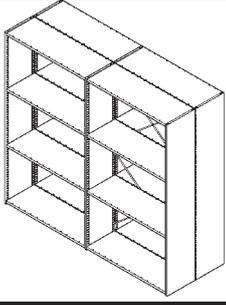
FLOOR FIXING (where necessary)

OPTIONAL: Locate Base Plate Shims

Stack to level if required



Back to Back Bays

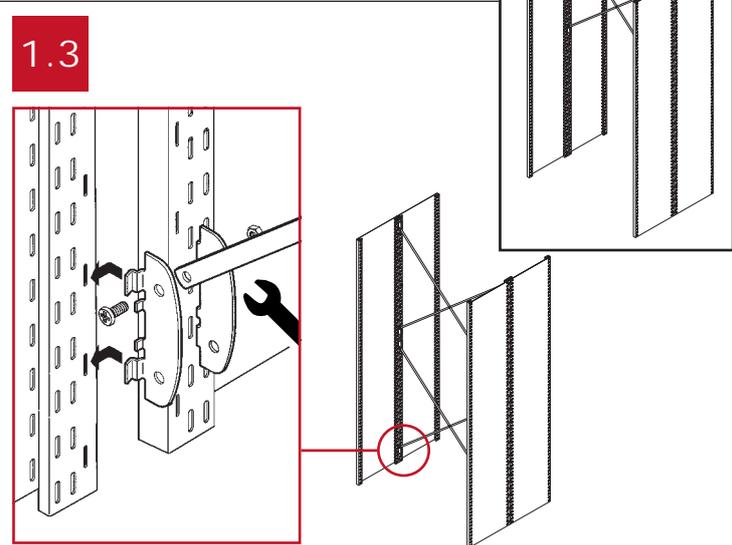
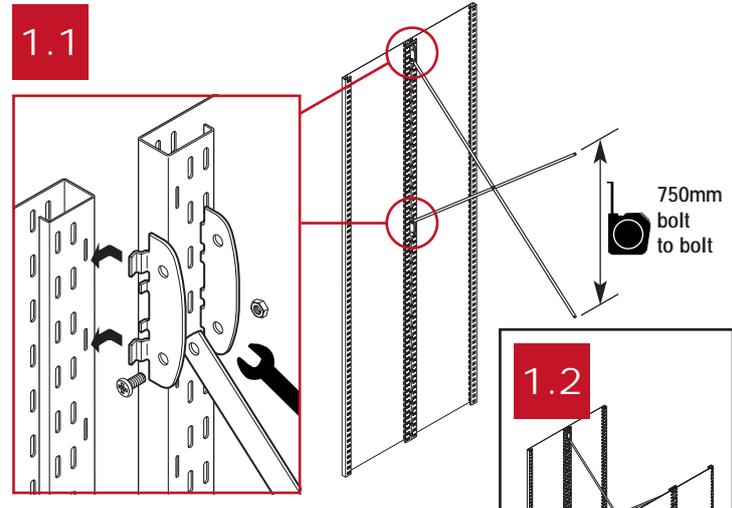
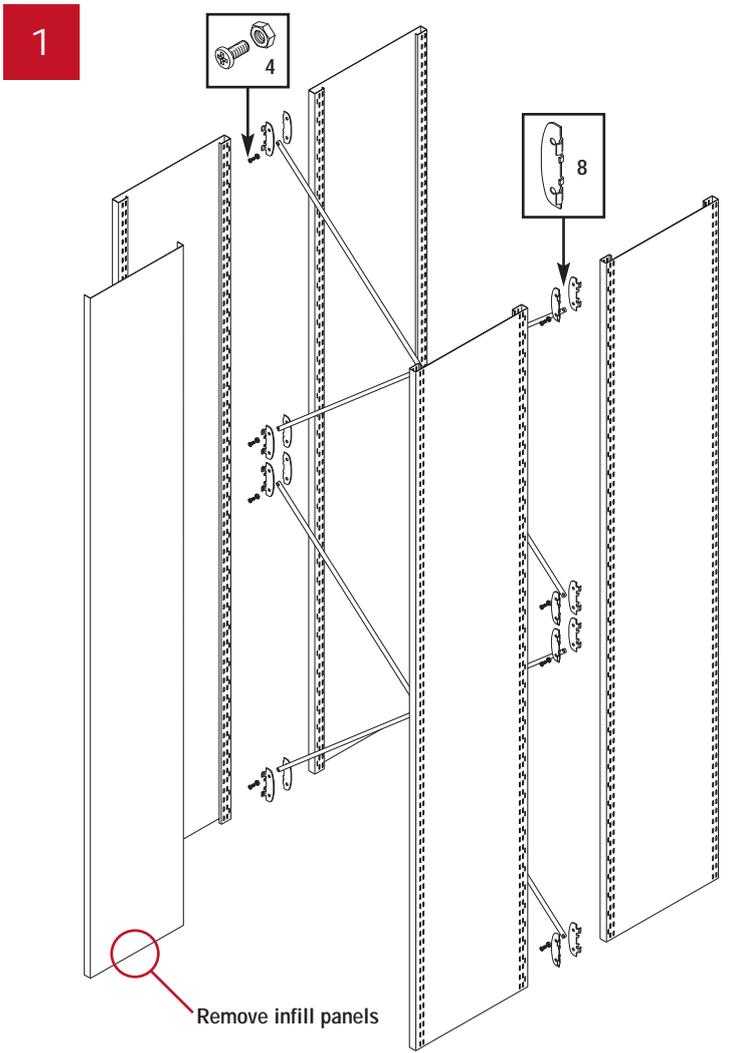
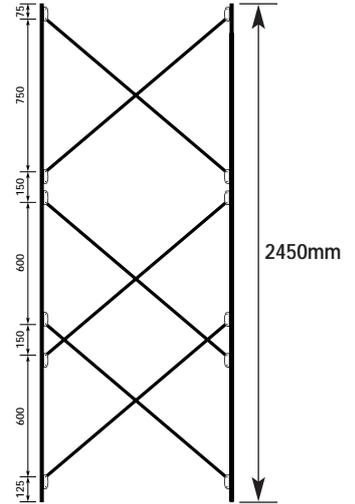
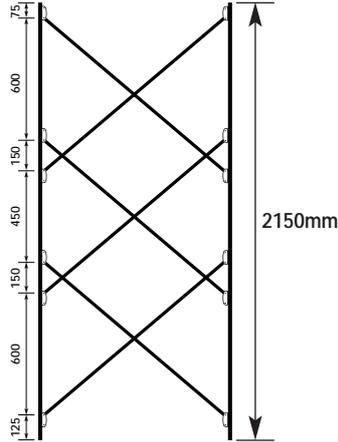
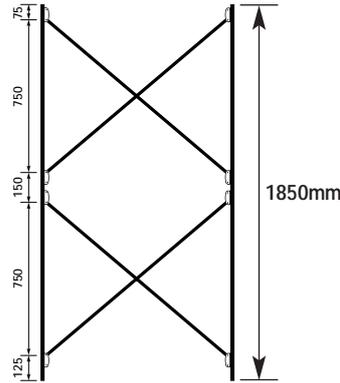
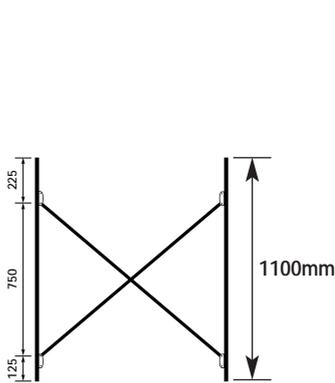


ALSO REFER TO STARTER & EXTENSION BAY ASSEMBLY

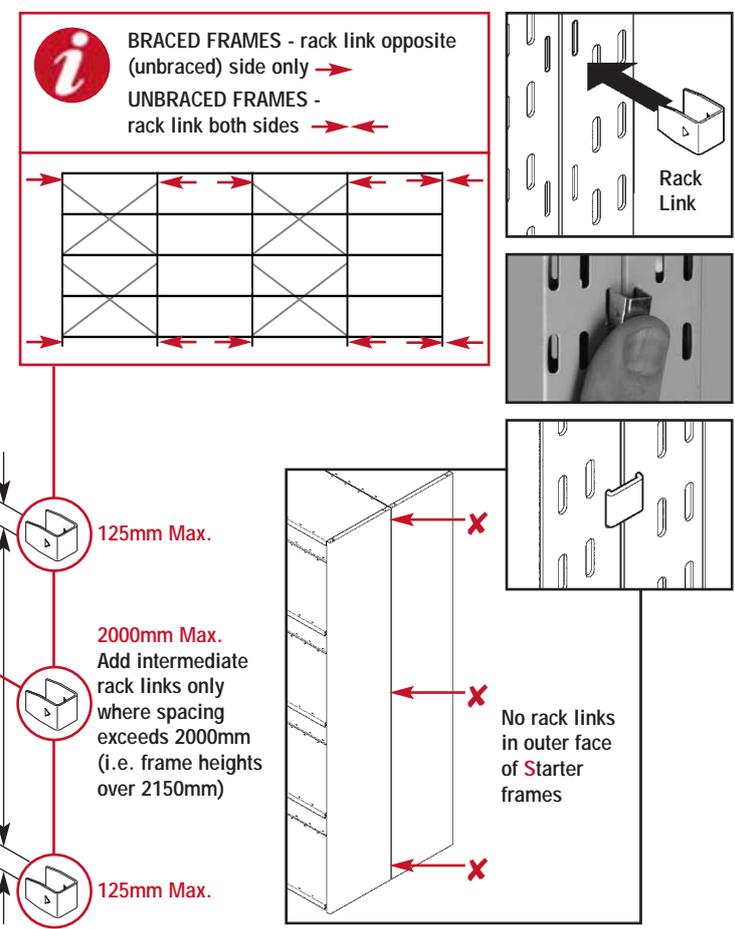
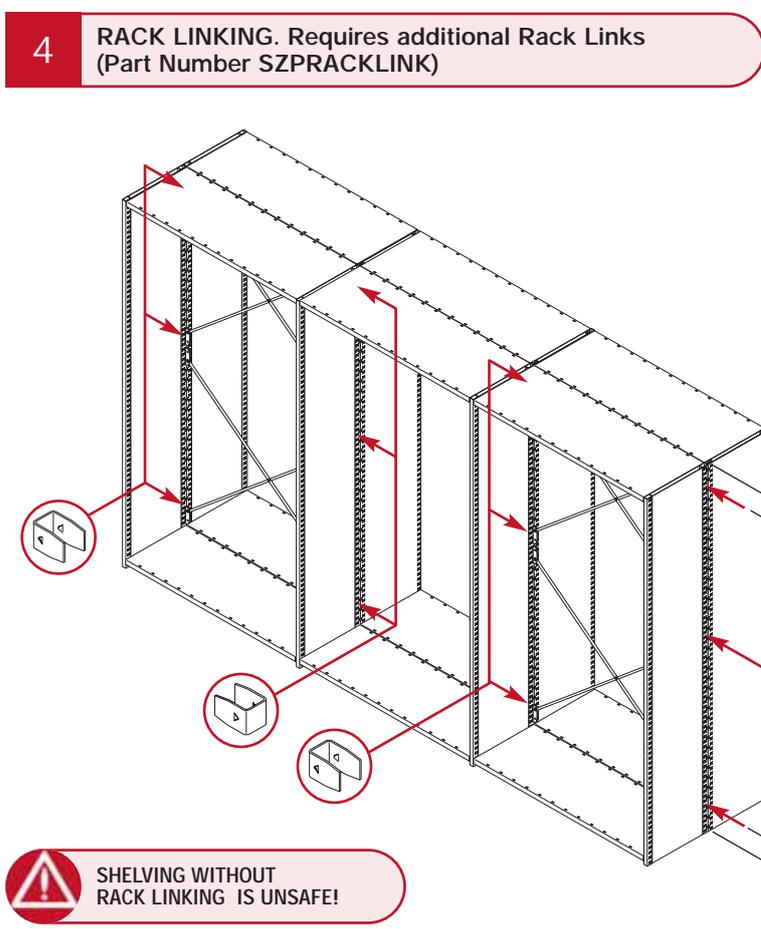
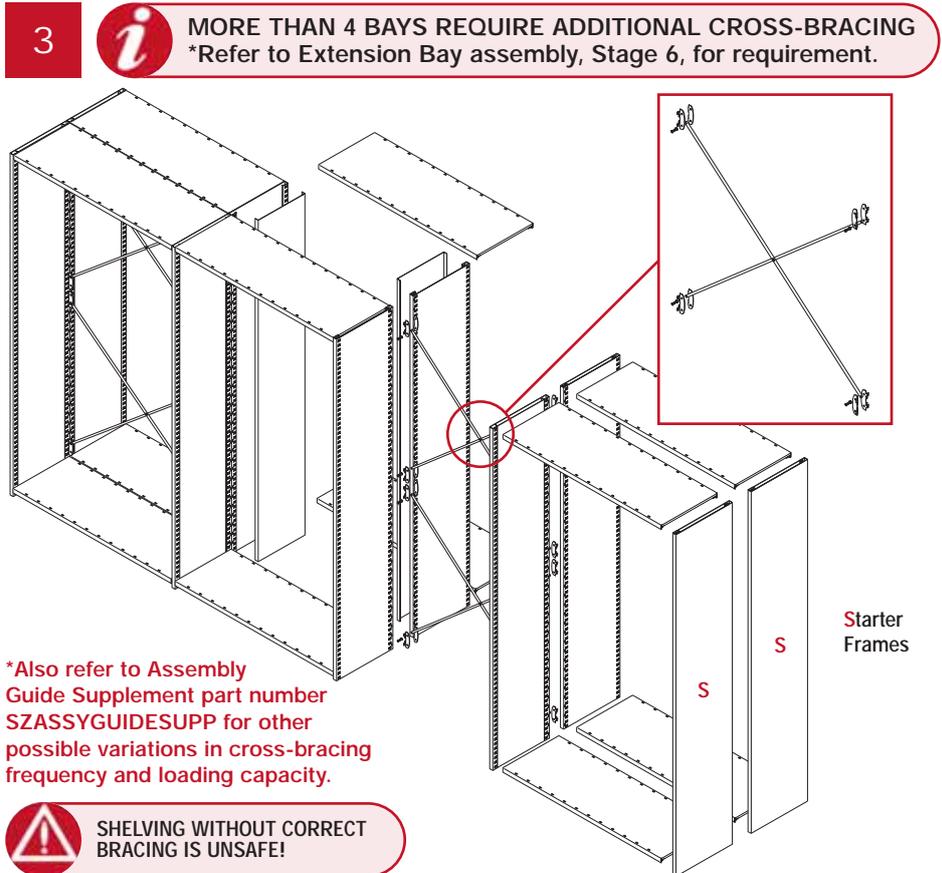
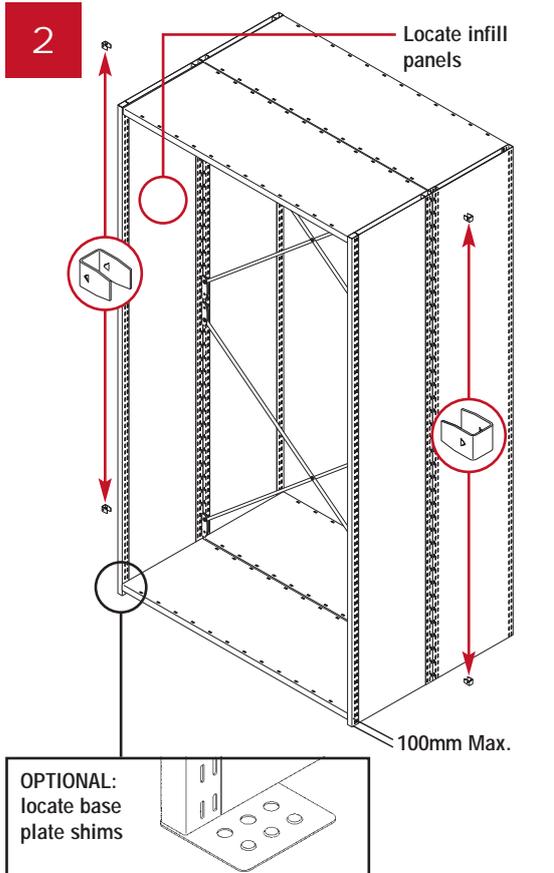
Read ALL instructions BEFORE commencing assembly

- 1.1. Position pair of frames and locate first cross-brace - note 750mm setting for all bracing.
 - 1.2. Fit cross-brace to second pair of frames.
 - 1.3. Locate remaining cross-brace/s for the frame height.
FULLY TIGHTEN ALL BOLTS - each cross-brace requires 8 brackets and 4 nuts & bolts.
 2. Locate top and base shelves - 4 adjustable clips required per shelf. Locate infill panels. Fit rack links - refer to Stage 4. With bays in position, locate base plate shims (optional).
 3. Position extension frames, locate top & base shelves and infill panels - 4 adjustable clips required per shelf. Fit base shelf within 100mm of the floor.
WHEN BUILDING MORE THAN 4 BACKING BAYS INCORPORATE ADDITIONAL BRACING.
- Go to Stage 4

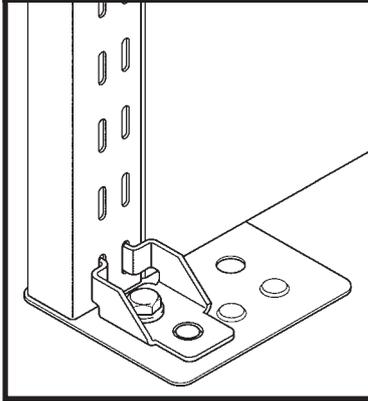
i ALL INITIAL BAYS ARE CROSS-BRACED
 Note number of bracings for your frame height.



4. With braced bays in final position, link frames with rack links - fit within maximum of 125mm from top and base of frames. Include intermediate rack links in frame heights over 2150mm.
- 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.
 - Locate intermediate shelves - NOTE PLACEMENT RULES IN STARTER BAY ASSEMBLY STAGE 5.



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.

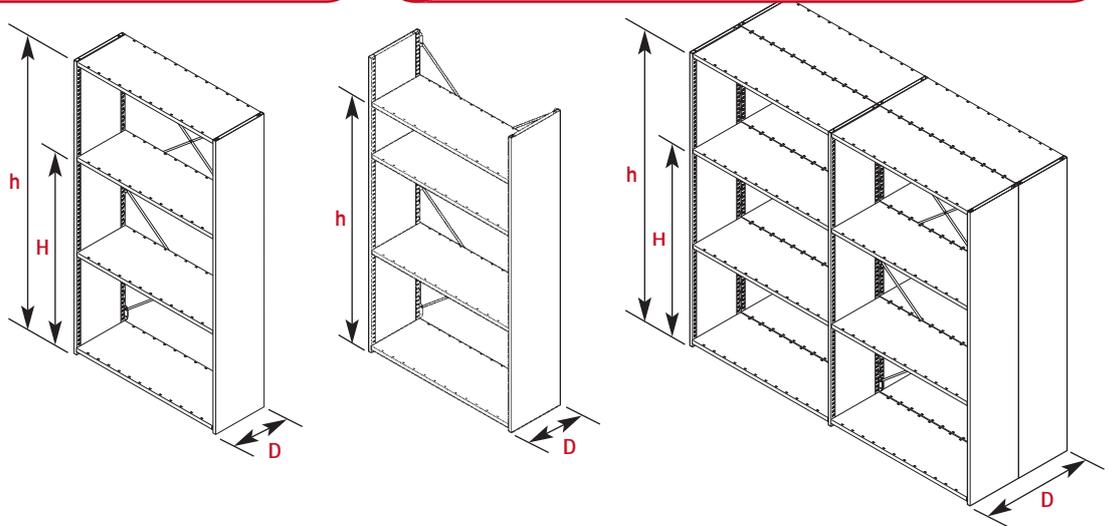
i STABILITY = HEIGHT TO DEPTH RATIO

! 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



i 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

