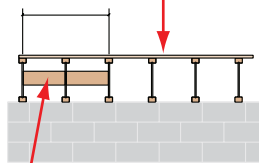


A lateral restraint system must be established at the end of each floor bay to prevent buckling sideways or rollover. This can be done by using temporary braces (shown below) or by fixing sheathing over the first 1.2m of joists and installing timber blocking beneath. All joists in the floor bay must then be connected back to this braced section by way of continuous longitudinal binders prior to allowing workers or placing construction loads on the floor. In long bays, install additional braced sections not greater than 12m apart.

Continuous longitudinal binder installed over timber blocks.



38x125mm min. timber blocks or BCI® blocking over min. 3 joists or 1.2m.

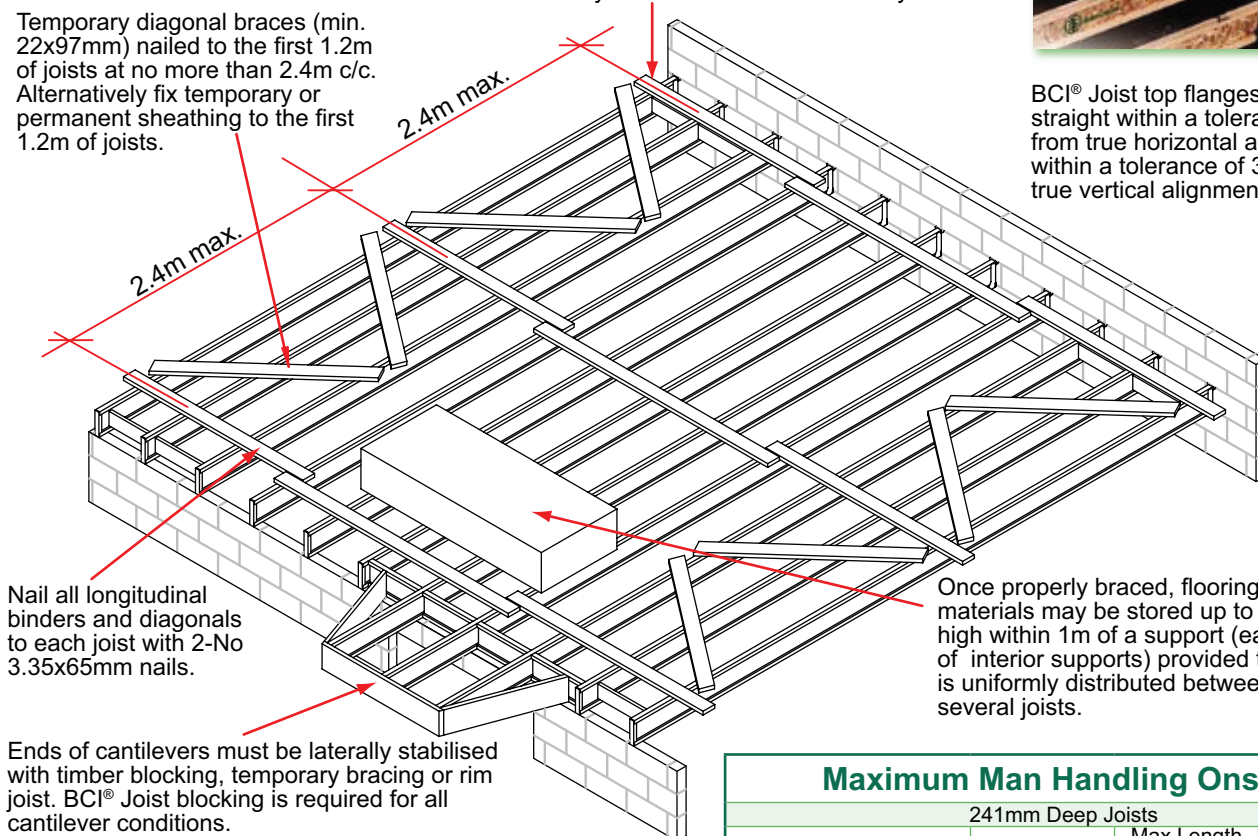
Note: Serious accidents can result from insufficient attention to proper bracing during construction. Accidents can be avoided under normal conditions by following these guidelines.



BCI® Joist top flanges must remain straight within a tolerance of 12mm from true horizontal alignment and within a tolerance of 3mm from true vertical alignment.

Temporary diagonal braces (min. 22x97mm) nailed to the first 1.2m of joists at no more than 2.4m c/c. Alternatively fix temporary or permanent sheathing to the first 1.2m of joists.

22x97mm min. continuous longitudinal binders must be tied to a diagonal braced and blocked system at one end of each bay.

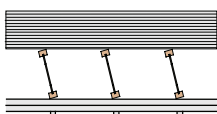


Once properly braced, flooring/ceiling materials may be stored up to 0.5m high within 1m of a support (each side of interior supports) provided the load is uniformly distributed between several joists.

Safety Warning

DO NOT ALLOW WORKERS ON BCI® JOISTS UNTIL ALL BLOCKING, HANGERS, RIM JOISTS AND TEMPORARY BRACING ARE COMPLETED AS SPECIFIED ABOVE.

Without bracing, lateral buckling or rollover is highly probable under light construction loads (e.g., a worker with material in hand).



Don't stack building materials on unbraced joists.

Maximum Man Handling Onsite.

241mm Deep Joists			
Product	kg/m	Max Length 1 Person	Max Length 2 Person
BCI® 5000s	3.43	7.28	14.56
BCI® 6000s	3.73	6.70	13.40
BCI® 6500s	4.03	6.20	12.40
BCI® 60s	4.47	5.59	11.18
BCI® 90s	6.11	4.09	8.18
VERSA-LAM® 38mm	6.55	3.81	7.62
VERSA-LAM® 45mm	7.53	3.32	6.64
VERSA-LAM® 89mm	12.40	2.01	4.02
VERSA-LAM® 133mm	18.60	1.34	2.68
302mm Deep Joists			
Product	kg/m	Max Length 1 Person	Max Length 2 Person
BCI® 5000s	3.88	6.44	12.88
BCI® 6000s	4.18	5.98	11.96
BCI® 6500s	4.47	5.59	11.18
BCI® 60s	4.92	5.08	10.16
BCI® 90s	6.41	3.90	7.80
VERSA-LAM® 38mm	6.24	4.00	8.00
VERSA-LAM® 45mm	8.14	3.07	6.14
VERSA-LAM® 89mm	9.42	2.65	5.30
VERSA-LAM® 133mm	15.50	1.61	3.22