



STS

SAFETY TRELLIS SYSTEM FOR TRUSS WORK



To prevent falls when spreading roof trusses, fitting wind braces, or working on a girder truss or hip roof construction





TRANSPORTATION & MANUAL HANDLING

- The STS mats can be transported to the site in a van or secured tightly to the roof-rack of a car
- Usually, a Set-up mat, a spacer bar and a number of Standard mats will be deployed
- A typical STS mat weighs 11 kg and can be manually handled by one person
- Mats are easy to stack
- Use mechanical aid to lift them up to the general access scaffold platforms



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METHOD STATEMENT FOR TRANSPORTATION, ERECTION AND USE OF SAFETY EQUIPMENT. TO PREVENT FALLS WHEN SPREADING ROOF TRUSSES, FITTING WIND BRACES, OR WORKING ON A GIRDER TRUSS OR HIP ROOF CONSTRUCTION.

STEP 1 - POSITION THE SET-UP MAT

- Stand on the general access scaffold
- Expand Set-up mat(s) to the required size; strap each to fix it to the required dimensions.
- Position the first & second trusses at gable end.
- Place the Set-up mat internally on top of the truss chords.
- Step up onto the Set-up mat and jam the spacer bar into position; this forms a temporary barrier whilst holding trusses at 600 mm.
- Continue with the next truss, move Set-up mat; repeat as above and fix external wind brace.



STEP 2 - INSERT FIRST MAIN STANDARD MAT

- From the scaffold access, position a closed Standard mat with one end along the nearest rafter; blue STS sign to be visible (on top) and facing you.
- Insert hook of telescopic pole into far side of mat; extend mat by pushing pole away until the mat is across 6 or 7 rafters.
- Adjust position of mat to leave no gaps between edges of trusses, brickwork, etc.
- Secure near end of mat to rafter with quick release strap.



Essential Safety Note:

The maximum span between rafters must not exceed 600 mm. The STS mats are designed to prevent falls and thus protect operatives. Do not load out the mats with materials. Maximum spread load is 150 Kg per mat

STEP 3 - INSERT ADDITIONAL STANDARD MAT(S)

- Where wider coverage is required, place a second mat alongside the first and ensure that mats are positioned to interlock.
- If an overlap is required, place an Opposite mat (STS yellow coloured sign); the mats will interlock with a minimal difference in levels.
- Secure near end of second mat to rafter with quick release strap.
- When area is filled and protected with mats, move out onto the mats and tie off the far end.



STEP 4 - USING STS SAFETY MATS

- The STS mats now form a fall prevention platform.
- Once in position, the each mat will easily take the weight of one man and some materials.
- Work on the bracing using the STS as a stable light working platform



DO'S

- 1 Always support short edges of mats over a rafter.
- 2 Use only trained, individually authorised, people to place STS mats in position.
- 3 Look for damage to mats; if there is damage remove mats from use and notify Oxford Safety Ltd for repair service.

DON'TS

- 1 Never leave unsupported overhangs of mats.
- 2 Don't lift mats by placing fingers between bars; grip mat at edges. Mats have a closure prevention device but fingers could be pinched when between bars.
- 3 Don't load out and store materials on mats.

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METHODS FOR HIPPED ROOFS, TOP HAT TRUSSES, AND ATTIC TRUSSES

STEP 1 - POSITION GIRDER TRUSS

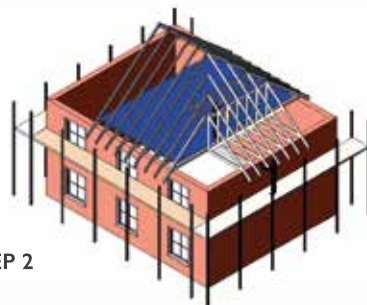
- Prepare girder truss (on ground) and fix ALL hangers in place ready to receive mono trusses.
- Place girder at gable end, de-chain from scaffold; then slide truss into final position



STEP 1

STEP 2 - POSITION INTERNAL TRUSSES

- Spread internal trusses using Set-up mat (as basic STS method statement).
- Deck out trusses with Standard mats from wall plate (as basic STS method statement).
- Position second girder truss at far gable end (method as above).

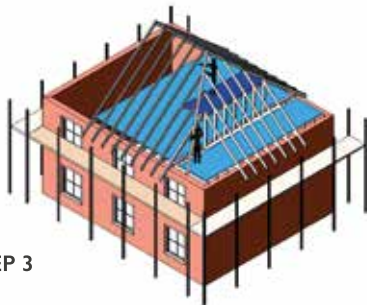


STEP 2

STEP 3 - FIX MONO TRUSSES & CEILING

RAFTERS

- Infill the mono trusses.
- Fix in position the ceiling rafters.
- Deck out the mono trusses and the ceiling rafters with mats (as before)

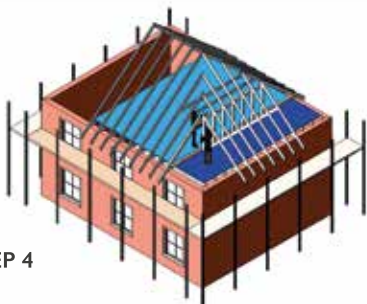


STEP 3

STEP 4 - FIX HIPS

- Fix hips, working on safety platform formed by upper layer of STS mats.

Note: It is recommended that the following operations are carried out by two people.



STEP 4

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Customer Services

Advice, on-site training, maintenance & repair services are available from our mobile teams across the UK, or from our base at Bicester near M40 motorway

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