



NSS Special Access

Design and installation of the world's most innovative special access scaffolding systems



Unique capability in special access and protections systems in live environments.

- NSS has 50 years' experience in innovation special access scaffolding systems.
- CEO, Colin Butt, founded the NSG group of access companies in 1971 which became the 5th largest scaffolding company in the UK.
- NSS has international clients in construction and civil engineering, military, power generation, aviation, railways, bridges, heritage, sports stadia and retail.



NSS systems have addressed the world's most challenging access problems

- Virtually eliminates the risk of falling components and loose materials.
- Provides a safe zone beneath the working area.
- 10 times faster than conventional tube and fittings.
- Most of the work is carried out at ground level prior to lifting the beams into position.
- Our manufacturing ability enables us to modify and add to equipment very quickly.



Marina Bay
Sands Hotel
Skypark,
Singapore

Soffit access
scaffolding
erected
200m above
ground.



Marina Bay
Sands Hotel
Skypark,
Singapore

2.5m wide
cantilevered
platform that
swivelled
round the
final radius.



Marina Bay
Sands Retail
Canopy,
Singapore

Curved,
tracked and
stepped
access
platform,
profiled to
the glazing
surface.



Marina Bay
Sands Retail
Canopy,
Singapore

Rig built at
ground level
and winched
into position.



Kings Cross
Station,
London, UK

Travelling,
mobile special
access system,
96m long
with arched
37m span,
suspended
from the
station roof on
tracks for roof
renovation.



Al Sadd
Stadium,
Doha, UAE

Lightweight,
tracked
mobile deck
for soffit
access,
erected in
just 5 days.



Al Sadd
Stadium,
Doha, UAE

Profiled,
non-slip
deck.



Expo Hall,
Dubai, UAE

Tracked,
mobile
access
platforms for
reinstallation
of essential
services after
a major fire,
erected in 8
days.



Mirdiff Mall,
Dubai, UAE

Tracked
access
scaffolding
platform at
high level for
insulation of
all services
and ceiling
soffit.



NAS Arena,
Dubai, UAE

Mobile
access
platforms.



Chek Lap Kok
Airport,
Hong Kong,
China

Tie-arched,
tracked 37m
contoured
span, for
access to
soffit panels.



Toyota, UK
Platform
with ladder
access.



Millfield
School,
Street, UK

Modular
tracked
special access
platform for
reglazing
the roof of
Millfield
School's
Olympic-size
swimming
pool.



Marylebone
Station,
London, UK

Crash deck
for re-roofing
erected in 4
weeks.



Marylebone
Station,
London, UK

Crash deck
covered
with nonslip
waterproof
plywood
for a clear,
safe, and
gap-proof
platform.



Southport
Station, UK

Access deck,
completed in
20 working
nights.



Southport
Station, UK



Aberdeen
Station, UK

Temporary,
mobile roof,
showing
under-
sheeting and
lighting.



Aberdeen
Station, UK

Rainwater
was diverted
along
sheeting and
guttering
system to
drains.



Tsing Ma,
China

Mobile
tracked
suspended
aluminium
rigs 36m x
15m.

Providing
access for 5m
gap between
sections.



Ting Kau,
Hong Kong,
China

2.5m wide,
27m span
travelling
platforms.

Cantilevered
10m from
the existing
tracking to
the bridge
parapet.



Saadiyat
Bridge
Abu Dhabi,
UAE

27m span
underslung
scaffold
deck to give
access for
concrete
finishing of
the bridge.



Dee Bridge Crossing

Tracked aluminium rig, cantilevered 3m on the underside to carry 700kg testing weight.

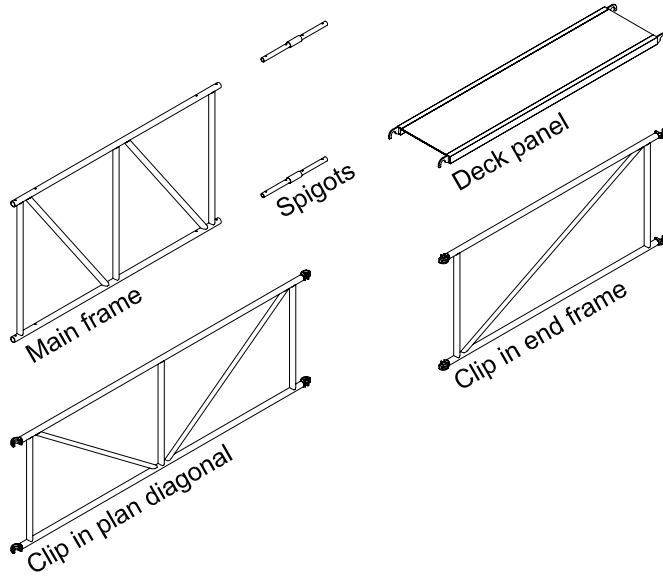


Metro,
Dubai, UAE

Underslung
access
scaffolding
deck for
concrete
Metro track
finishing.



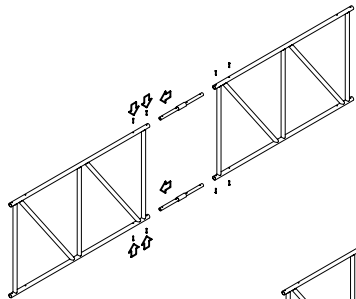
Metro,
Dubai, UAE



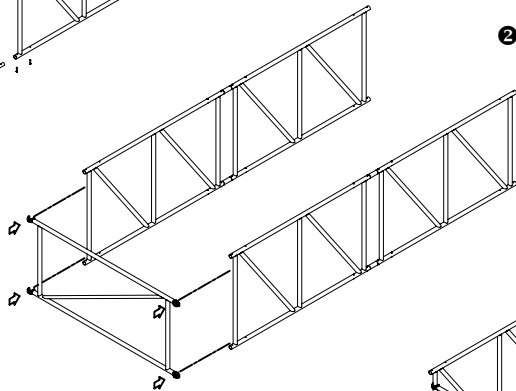
Details of
main bridge
beam
components.



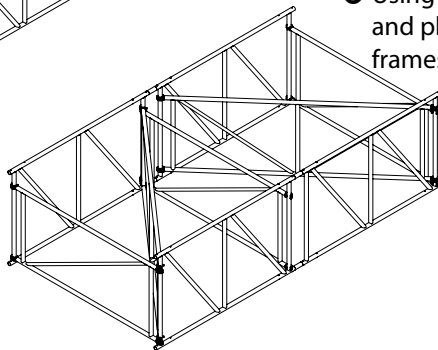
1 Join the main frames together using spigots and self retaining pins.

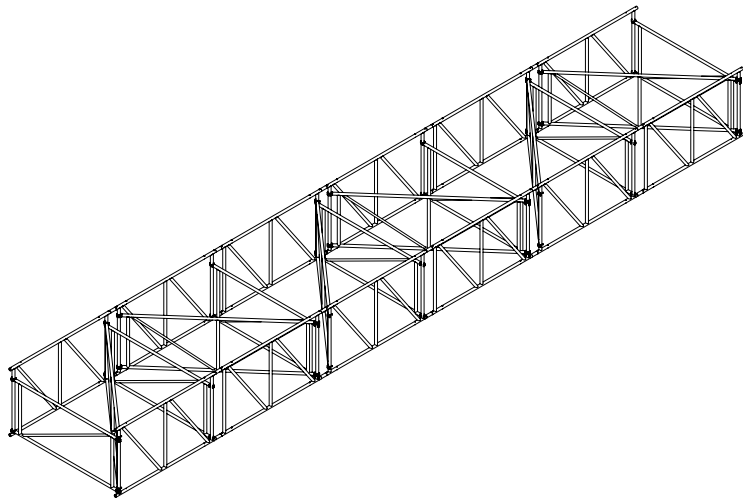


2 Stand a couple of frames up and connect them together with a clip in end frame.

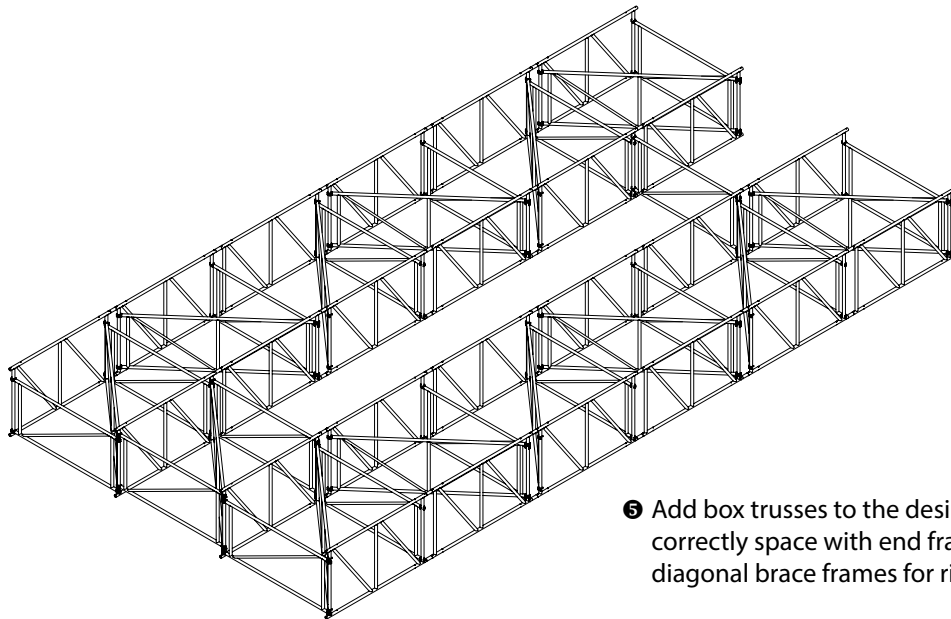


3 Using additional end frames and plan diagonal brace frames form a box pair.

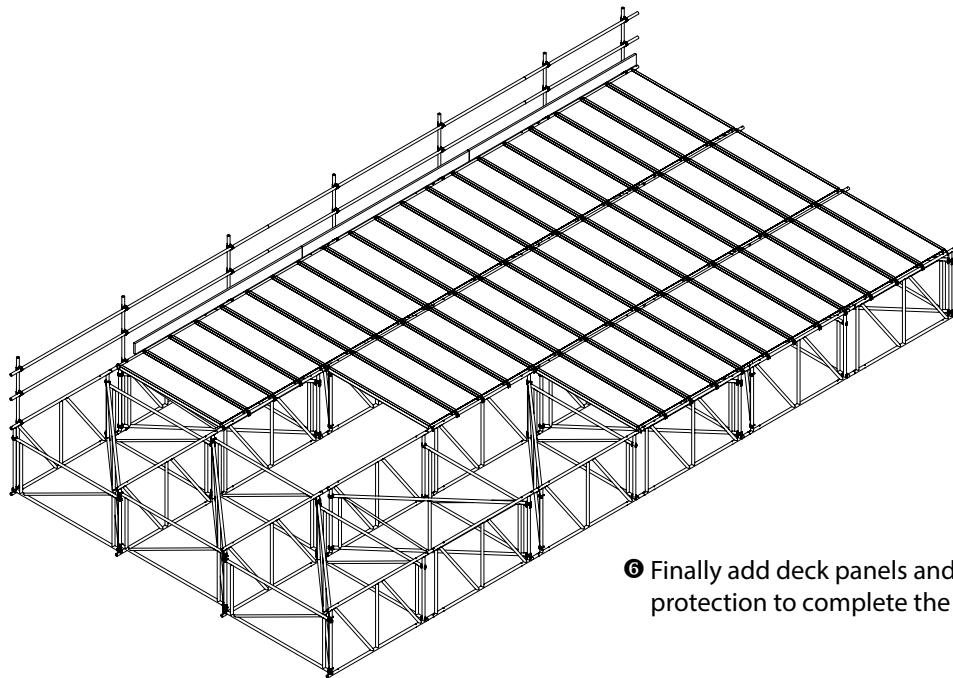




- 4 Extend the box truss to the desired length with additional main frames, spigots, end frames and plan diagonal brace frames.



- 5 Add box trusses to the desired width and correctly space with end frames and plan diagonal brace frames for rigidity.



- ⑥ Finally add deck panels and edge protection to complete the platform



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