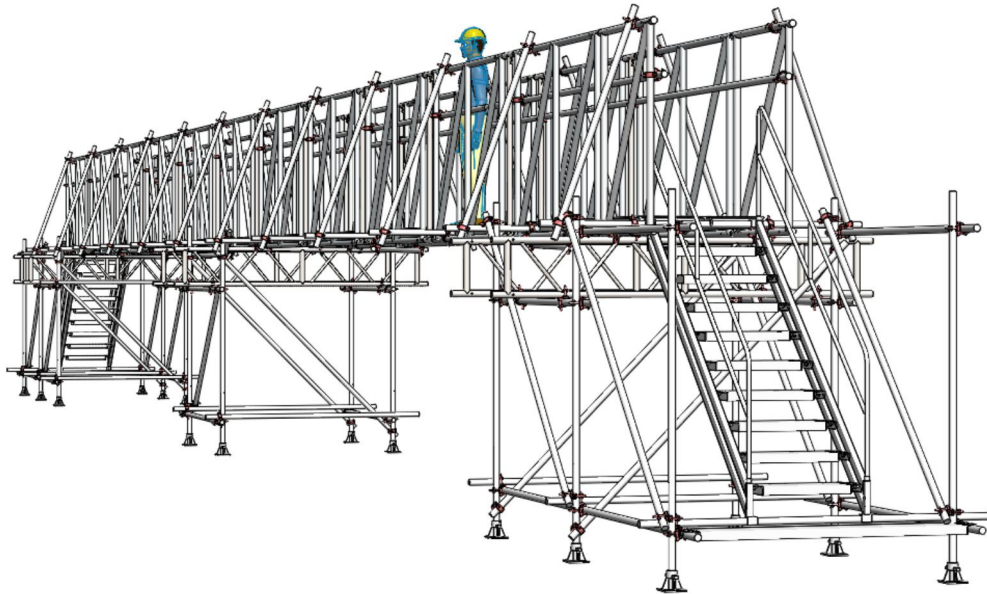


SHORT-SPAN PEDESTRIAN BRIDGE (SSPB)

➤ PROJECT EXAMPLE

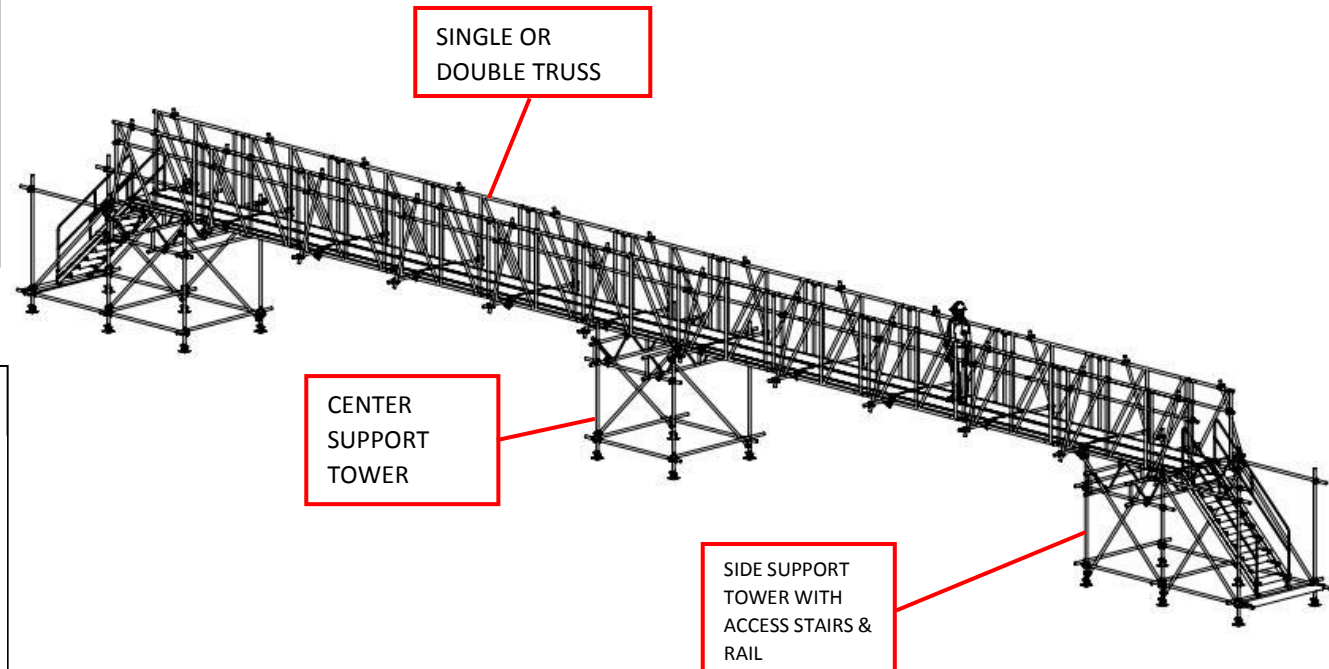
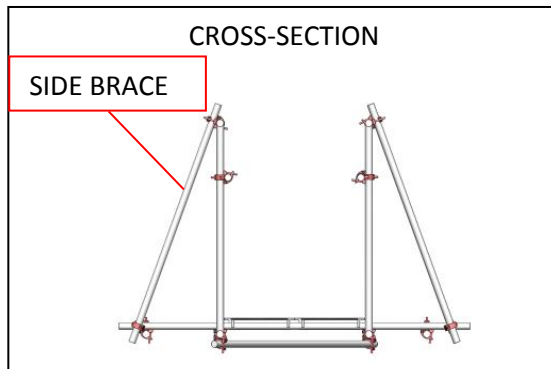
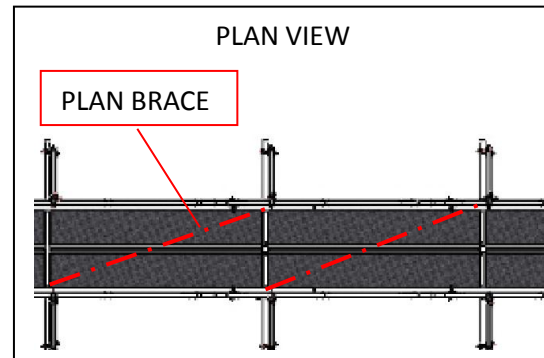


PROJECT SPECIFICATIONS:

BRIDGE HEIGHT CLEARANCE:	2.4 m
CLEAR SPAN:	10.8 m
DECKING WIDTH:	1.0 m
OVERALL SIZE:	31.7 m (L) x 2 m (W) X 4 m (H)
STAIR TOWER DIMENSION:	2 m x 2 m
DECK OPTIONS:	
ALUMINIUM DECK	SIZE 0.50m x 2.5m (DXS-Deck 2500)
STEEL DECK	SIZE 0.23m x 2.5m (DE-000-DS3DL)

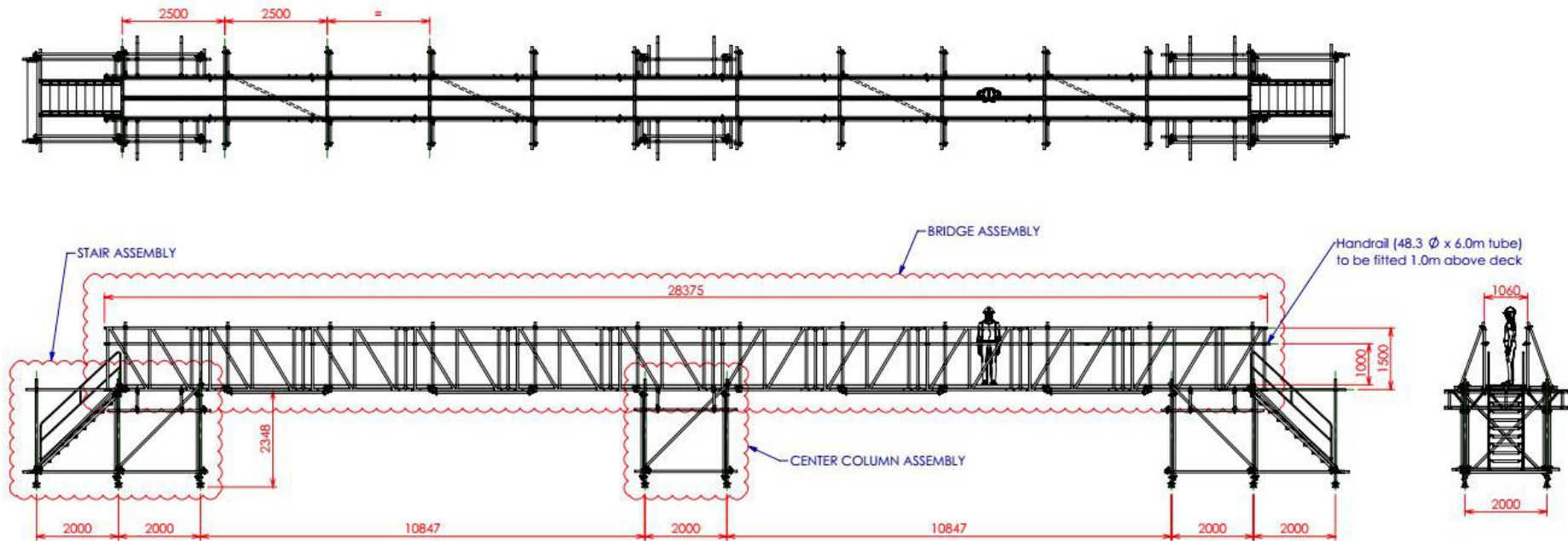
(*Other size are possible upon request)

SHORT- SPAN PEDESTRIAN BRIDGE (SSPB)- 5m -25 m SPAN

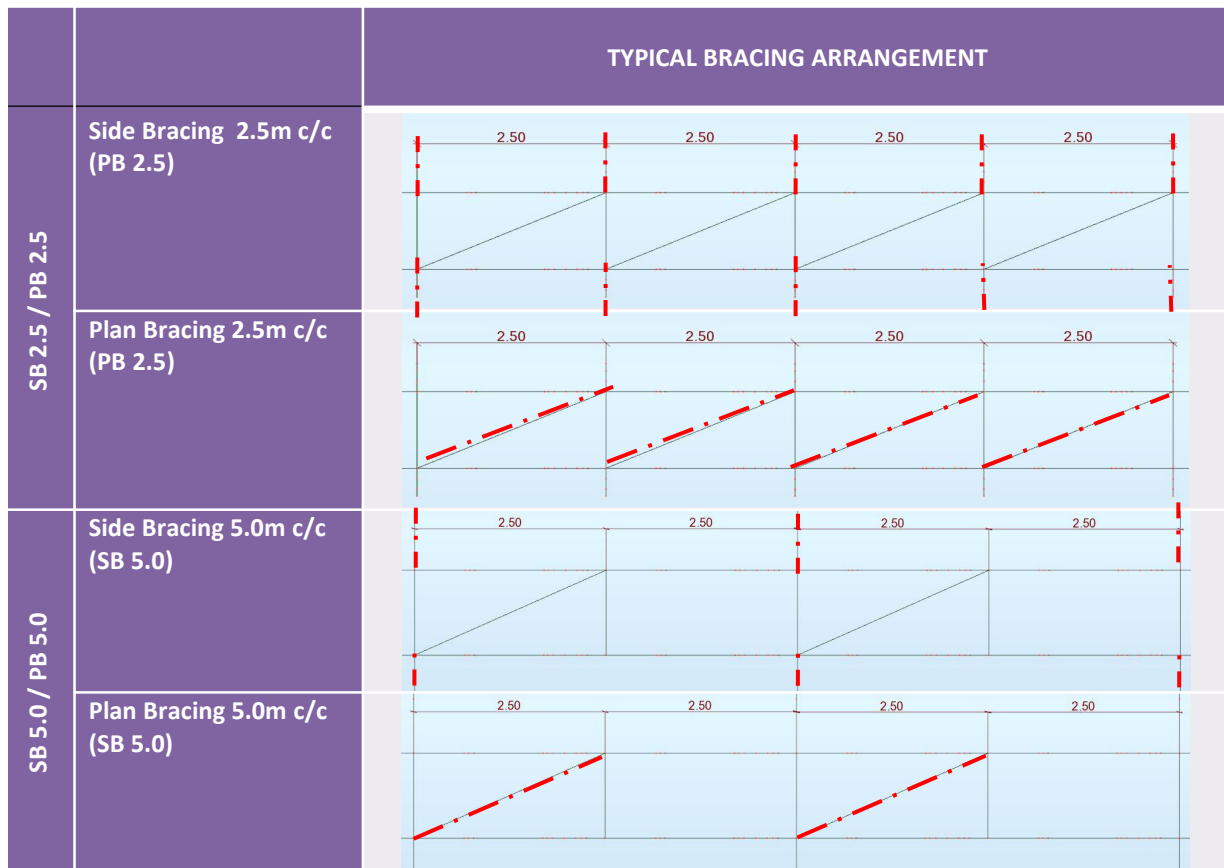


SHORT- SPAN PEDESTRIAN BRIDGE (SSPB)-CONT'D

5m -25 m SPAN



BRACING CONFIGURATIONS (SSPB)



REQUIREMENT OF BRACING BASED ON BRIDGE SPAN

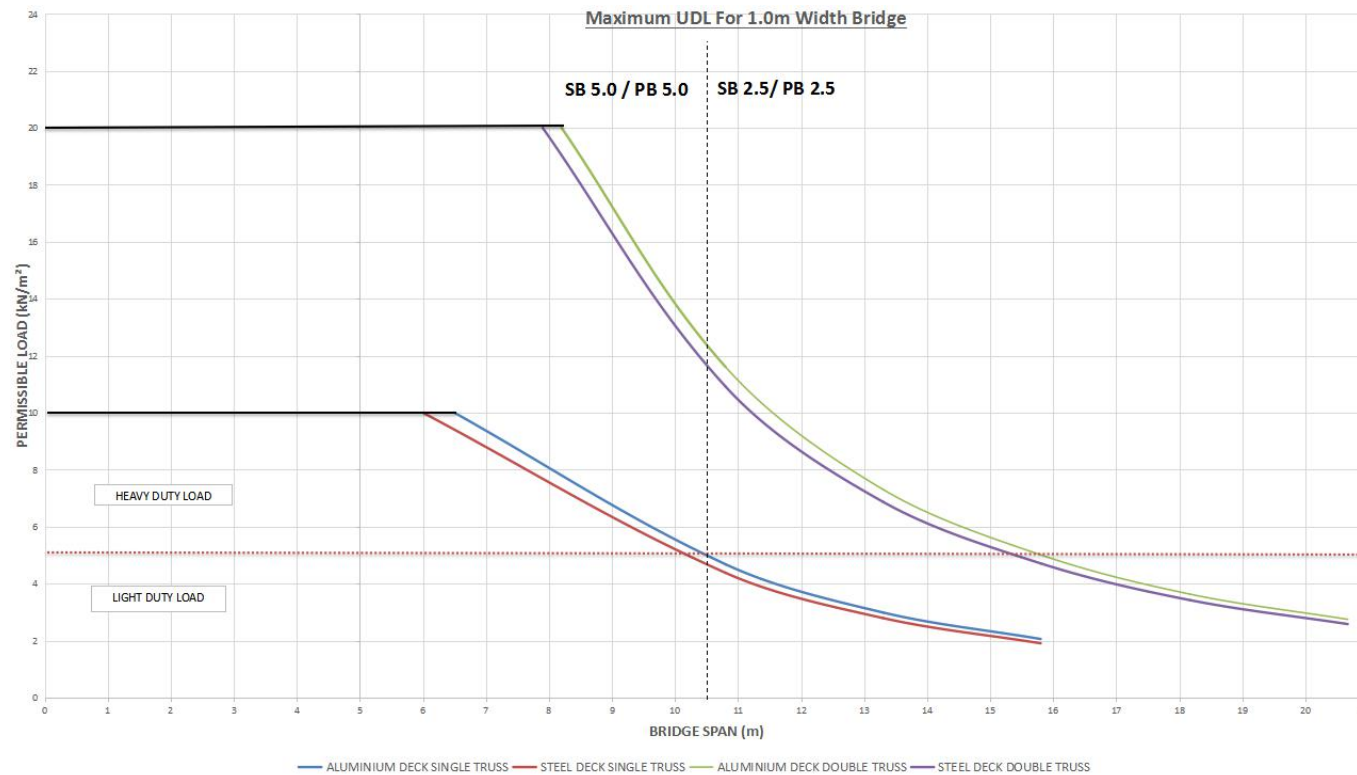
BRIDGE SPAN (m)	5.8	8.3	10.8	13.3	15.8	≥ 16
ALUMINIUM DECK	Side Brace 5.0 m Centres,		Side Brace 2.5 m Centres,			Double Truss only
STEEL DECK	Plan Brace 5.0 m Centres		Plan Brace 2.5 m Centres			
*SB 2.5 : SIDE BRACE 2.5m Centres			*SB 5 : SIDE BRACE 5m Centres			
*PB 2.5 : PLAN BRACE 2.5m Centres			*PB 5 : PLAN BRACE 5m Centres			
Notes:						
If span length more than 16m, only double truss shall be applied.						
Based on BS6399:General duty walkways-(regular two way pedestrian traffic)- 5.0kN/m ² .						

SPECIFICATIONS: PERMISSIBLE LOAD AGAINST VARIATION OF BRIDGE SPAN (SSPB) FOR SINGLE TRUSS AND DOUBLE TRUSS

Permissible load on the platform and bracing arrangement varies according to bridge span. Heavy duty load ($> 5\text{kN/m}^2$) with 5.0 m side brace and plan brace applies for span less than 10 m and the Light duty load ($< 5\text{kN/m}^2$) with 5.0 m side brace and plan brace applies for span more than 10 m.

ALUMINIUM DECK (width x length) : 0.50m x 2.5m (DXS-Deck 2500)

STEEL DECK (width x length) : 0.23m x 2.5m (DE-000-DS3DL)



*SB 2.5 : SIDE BRACE 2.5m Centres
*PB 2.5 : PLAN BRACE 2.5m Centres

*SB 5 : SIDE BRACE 5m Centres
*PB 5 : PLAN BRACE 5m Centres