DESIGN ASSUMPTIONS

GENERAL NOTES

SCALE OR AS SHOWN

DESIGN LOADING: SM1600.
The maximum gap between PSC planks: 320mm.
Deck: 180mm.
The nominal thickness of cast-in-place reinforced concrete: 300mm.

This surface shall be made rough in the manufacture of the plank by broom finishing transversely.
60 x 20 deep recess for placement of 18 mm thick fibre cement formwork sheeting.

Concrete exposure classification...
Minimum 3 day compressive strength of concrete shall be 50 MPa.
Minimum compressive strength of concrete at transfer of prestress shall be 30 MPa.
Nominal cover to reinforcement nearest to the concrete surface shall be 35 mm unless specified otherwise.
The cover specified is based on the plank being cast in a rigid stem formwork mould with intense compaction using a vibrating table or form vibrators.
Strands shall be 1 wire, ordinary, diameter 12.7 mm, tensile strength 1870 MPa, relax 2%, to AS/NZS 4672.1 with minimum breaking force of 184 kN.
The force in each 12.7 mm dia strand at the mid-span of the plank shall be 138 kN.
Immediately after the release of the tensioning jack shall be 110 kN.

Plank type A - first three pairs of Q2 bars are required at each end of plank.
Plank type B - first three pairs of Q2 bars are not required at one end of plank.
Plank type C - first three pairs of Q2 bars are not required at either end of plank.

Each end. Upright position and supported at not more than 600 mm from the ends.
During storage, transport and handling, plank shall be in an upright position and supported at not more than 600 mm from the ends.
The mass of plank is approximately 8.4 tonnes.

The maximum gap between PSC planks: 320mm.

Design loading: SM1600.

Concrete exposure classification...
Minimum 3 day compressive strength of concrete shall be 50 MPa.
Minimum compressive strength of concrete at transfer of prestress shall be 30 MPa.
Nominal cover to reinforcement nearest to the concrete surface shall be 35 mm unless specified otherwise.
The cover specified is based on the plank being cast in a rigid stem formwork mould with intense compaction using a vibrating table or form vibrators.
Strands shall be 1 wire, ordinary, diameter 12.7 mm, tensile strength 1870 MPa, relax 2%, to AS/NZS 4672.1 with minimum breaking force of 184 kN.
The force in each 12.7 mm dia strand at the mid-span of the plank shall be 138 kN.
Immediately after the release of the tensioning jack shall be 110 kN.

Plank type A - first three pairs of Q2 bars are required at each end of plank.
Plank type B - first three pairs of Q2 bars are not required at one end of plank.
Plank type C - first three pairs of Q2 bars are not required at either end of plank.

This surface shall be made rough in the manufacture of the plank by broom finishing transversely.
60 x 20 deep recess for placement of 18 mm thick fibre cement formwork sheeting.

Concrete exposure classification...
Minimum 3 day compressive strength of concrete shall be 50 MPa.
Minimum compressive strength of concrete at transfer of prestress shall be 30 MPa.
Nominal cover to reinforcement nearest to the concrete surface shall be 35 mm unless specified otherwise.
The cover specified is based on the plank being cast in a rigid stem formwork mould with intense compaction using a vibrating table or form vibrators.
Strands shall be 1 wire, ordinary, diameter 12.7 mm, tensile strength 1870 MPa, relax 2%, to AS/NZS 4672.1 with minimum breaking force of 184 kN.
The force in each 12.7 mm dia strand at the mid-span of the plank shall be 138 kN.
Immediately after the release of the tensioning jack shall be 110 kN.

Plank type A - first three pairs of Q2 bars are required at each end of plank.
Plank type B - first three pairs of Q2 bars are not required at one end of plank.
Plank type C - first three pairs of Q2 bars are not required at either end of plank.

Each end. Upright position and supported at not more than 600 mm from the ends.
During storage, transport and handling, plank shall be in an upright position and supported at not more than 600 mm from the ends.
The mass of plank is approximately 8.4 tonnes.

The maximum gap between PSC planks: 320mm.
Design loading: SM1600.

Concrete exposure classification...
Minimum 3 day compressive strength of concrete shall be 50 MPa.
Minimum compressive strength of concrete at transfer of prestress shall be 30 MPa.
Nominal cover to reinforcement nearest to the concrete surface shall be 35 mm unless specified otherwise.
The cover specified is based on the plank being cast in a rigid stem formwork mould with intense compaction using a vibrating table or form vibrators.
Strands shall be 1 wire, ordinary, diameter 12.7 mm, tensile strength 1870 MPa, relax 2%, to AS/NZS 4672.1 with minimum breaking force of 184 kN.
The force in each 12.7 mm dia strand at the mid-span of the plank shall be 138 kN.
Immediately after the release of the tensioning jack shall be 110 kN.

Plank type A - first three pairs of Q2 bars are required at each end of plank.
Plank type B - first three pairs of Q2 bars are not required at one end of plank.
Plank type C - first three pairs of Q2 bars are not required at either end of plank.

Each end. Upright position and supported at not more than 600 mm from the ends.
During storage, transport and handling, plank shall be in an upright position and supported at not more than 600 mm from the ends.
The mass of plank is approximately 8.4 tonnes.

The maximum gap between PSC planks: 320mm.

Design loading: SM1600.

Concrete exposure classification...
Minimum 3 day compressive strength of concrete shall be 50 MPa.
Minimum compressive strength of concrete at transfer of prestress shall be 30 MPa.
Nominal cover to reinforcement nearest to the concrete surface shall be 35 mm unless specified otherwise.
The cover specified is based on the plank being cast in a rigid stem formwork mould with intense compaction using a vibrating table or form vibrators.
Strands shall be 1 wire, ordinary, diameter 12.7 mm, tensile strength 1870 MPa, relax 2%, to AS/NZS 4672.1 with minimum breaking force of 184 kN.
The force in each 12.7 mm dia strand at the mid-span of the plank shall be 138 kN.
Immediately after the release of the tensioning jack shall be 110 kN.

Plank type A - first three pairs of Q2 bars are required at each end of plank.
Plank type B - first three pairs of Q2 bars are not required at one end of plank.
Plank type C - first three pairs of Q2 bars are not required at either end of plank.

Each end. Upright position and supported at not more than 600 mm from the ends.
During storage, transport and handling, plank shall be in an upright position and supported at not more than 600 mm from the ends.
The mass of plank is approximately 8.4 tonnes.

The maximum gap between PSC planks: 320mm.

Design loading: SM1600.

Concrete exposure classification...
Minimum 3 day compressive strength of concrete shall be 50 MPa.
Minimum compressive strength of concrete at transfer of prestress shall be 30 MPa.
Nominal cover to reinforcement nearest to the concrete surface shall be 35 mm unless specified otherwise.
The cover specified is based on the plank being cast in a rigid stem formwork mould with intense compaction using a vibrating table or form vibrators.
Strands shall be 1 wire, ordinary, diameter 12.7 mm, tensile strength 1870 MPa, relax 2%, to AS/NZS 4672.1 with minimum breaking force of 184 kN.
The force in each 12.7 mm dia strand at the mid-span of the plank shall be 138 kN.
Immediately after the release of the tensioning jack shall be 110 kN.

Plank type A - first three pairs of Q2 bars are required at each end of plank.
Plank type B - first three pairs of Q2 bars are not required at one end of plank.
Plank type C - first three pairs of Q2 bars are not required at either end of plank.

Each end. Upright position and supported at not more than 600 mm from the ends.
During storage, transport and handling, plank shall be in an upright position and supported at not more than 600 mm from the ends.
The mass of plank is approximately 8.4 tonnes.

The maximum gap between PSC planks: 320mm.

Design loading: SM1600.

Concrete exposure classification...
Minimum 3 day compressive strength of concrete shall be 50 MPa.
Minimum compressive strength of concrete at transfer of prestress shall be 30 MPa.
Nominal cover to reinforcement nearest to the concrete surface shall be 35 mm unless specified otherwise.
The cover specified is based on the plank being cast in a rigid stem formwork mould with intense compaction using a vibrating table or form vibrators.
Strands shall be 1 wire, ordinary, diameter 12.7 mm, tensile strength 1870 MPa, relax 2%, to AS/NZS 4672.1 with minimum breaking force of 184 kN.
The force in each 12.7 mm dia strand at the mid-span of the plank shall be 138 kN.
Immediately after the release of the tensioning jack shall be 110 kN.

Plank type A - first three pairs of Q2 bars are required at each end of plank.
Plank type B - first three pairs of Q2 bars are not required at one end of plank.
Plank type C - first three pairs of Q2 bars are not required at either end of plank.

Each end. Upright position and supported at not more than 600 mm from the ends.
During storage, transport and handling, plank shall be in an upright position and supported at not more than 600 mm from the ends.
The mass of plank is approximately 8.4 tonnes.

The maximum gap between PSC planks: 320mm.

Design loading: SM1600.