CONCRETE EXPOSURE CLASSIFICATION: 
MINIMUM 28-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 30 mm UNLESS SPECIFIED OTHERWISE.
THE COVER SPECIFIED IS BASED ON THE PLANK BEING CAST IN A RIGID STEEL FORMWORK MOLD WITH INTENSE COMPACTION USING A VIBRATING TABLE OR FORM VIBRATORS.

PLAN
PLANK TYPE A - REQUIRED
PLANK TYPE B - REQUIRED
PLANK TYPE C - REQUIRED

24 BUNDLES OF Q1 1 N12-X-250,
Q2 2 N12-A-250
Q1 6 N12-A-150
Q2 3 N12-A-150

2 SETS OF Q2 6 N12-A-150 LAPPED WITH Q1 BARS
Q3 3 N12-A-150 SPACED AS SHOWN IN SECTION

ELEVATION
STRANDS AND INTERNAL REINFORCEMENT NOT SHOWN
200 400 600 1000 mm
200 400 600 1000 mm
5 DEEP RECESS FOR LAMINATED ELASTOMERIC BEARING (EACH END OF PLANK)
5 DEEP RECESS FOR LAMINATED ELASTOMERIC BEARING.
SIZE OF RECESS TO SUIT BEARING TYPE USED
90 x 20 DEEP RECESS FOR PLACEMENT OF 14 THICK FIBRE CEMENT FORMWORK SHEETING
RECESS NOT REQUIRED ON OUTER EDGE OF PLANK TYPE A
RECESS NOT REQUIRED ON OUTER EDGE OF PLANK TYPE B
RECESS NOT REQUIRED ON OUTER EDGE OF PLANK TYPE C
8 x 10 OR ROUNDED TO R10
THIS SURFACE SHALL BE MADE ROUGH IN THE MANUFACTURE OF THE PLANK BY BROOM FINISHING TRANSVERSELY

SECTION
120/12.7mm STRANDS
Q1 16-12-150
Q2 6-12-A-150
Q3 2-16-S SPACED AS SHOWN IN SECTION

Q2 6 N12-A-150 LAPPED WITH Q1 BARS
Q3 3 N12-A-150 SPACED AS SHOWN IN SECTION

PLAN
PLANK TYPE A - REQUIRED
PLANK TYPE B - REQUIRED
PLANK TYPE C - REQUIRED

24 BUNDLES OF Q1 1 N12-X-250,
Q2 2 N12-A-250
Q1 6 N12-A-150
Q2 3 N12-A-150

2 SETS OF Q2 6 N12-A-150 LAPPED WITH Q1 BARS
Q3 3 N12-A-150 SPACED AS SHOWN IN SECTION

ELEVATION
STRANDS AND INTERNAL REINFORCEMENT NOT SHOWN
200 400 600 1000 mm
200 400 600 1000 mm
5 DEEP RECESS FOR LAMINATED ELASTOMERIC BEARING (EACH END OF PLANK)
5 DEEP RECESS FOR LAMINATED ELASTOMERIC BEARING.
SIZE OF RECESS TO SUIT BEARING TYPE USED
90 x 20 DEEP RECESS FOR PLACEMENT OF 14 THICK FIBRE CEMENT FORMWORK SHEETING
RECESS NOT REQUIRED ON OUTER EDGE OF PLANK TYPE A
RECESS NOT REQUIRED ON OUTER EDGE OF PLANK TYPE B
RECESS NOT REQUIRED ON OUTER EDGE OF PLANK TYPE C
8 x 10 OR ROUNDED TO R10
THIS SURFACE SHALL BE MADE ROUGH IN THE MANUFACTURE OF THE PLANK BY BROOM FINISHING TRANSVERSELY

SECTION
120/12.7mm STRANDS
Q1 16-12-150
Q2 6-12-A-150
Q3 2-16-S SPACED AS SHOWN IN SECTION

ALL STRANDS TO BE STRAIGHT

PLANK TYPE A - FIRST THREE PAIRS OF Q1 BARS ARE REQUIRED AT EACH END OF PLANK
PLANK TYPE B - FIRST THREE PAIRS OF Q1 BARS ARE NOT REQUIRED AT ONE END OF PLANK
PLANK TYPE C - FIRST THREE PAIRS OF Q1 BARS ARE NOT REQUIRED AT EITHER END OF PLANK

STANDARD DRAWING No
DS2017/000889
DATE
APPROVED FOR USE
STANDARD DRAWING
ISSUE DATE
REVISION ISSUE
ISSUED
STATUS
DEC 2018
standardbridgedrawings@rms.nsw.gov.au
DRAWING TO:
SEND FEEDBACK ON THIS STANDARD
DIRECTOR BRIDGES AND STRUCTURES
W.Ariyaratne
21.12.2018
2 0
VIEW
1
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