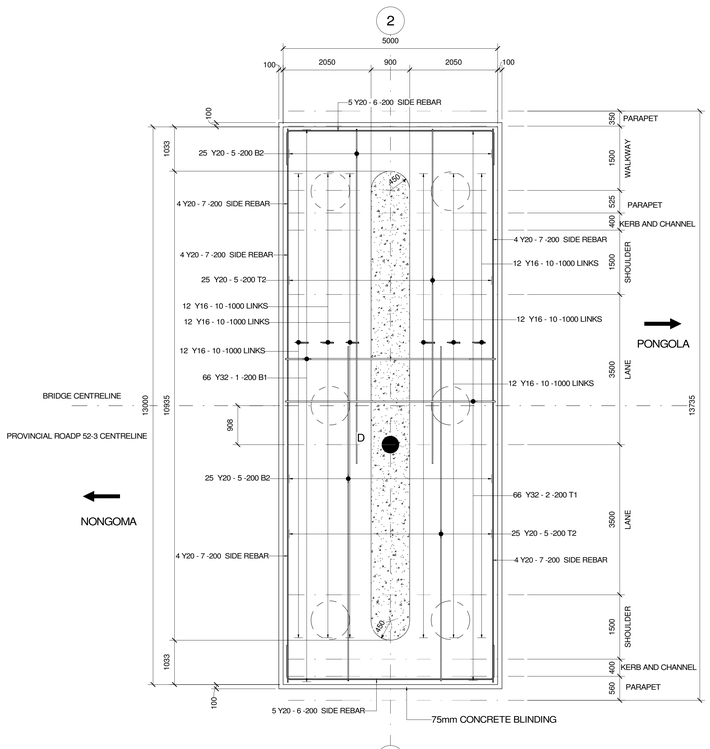
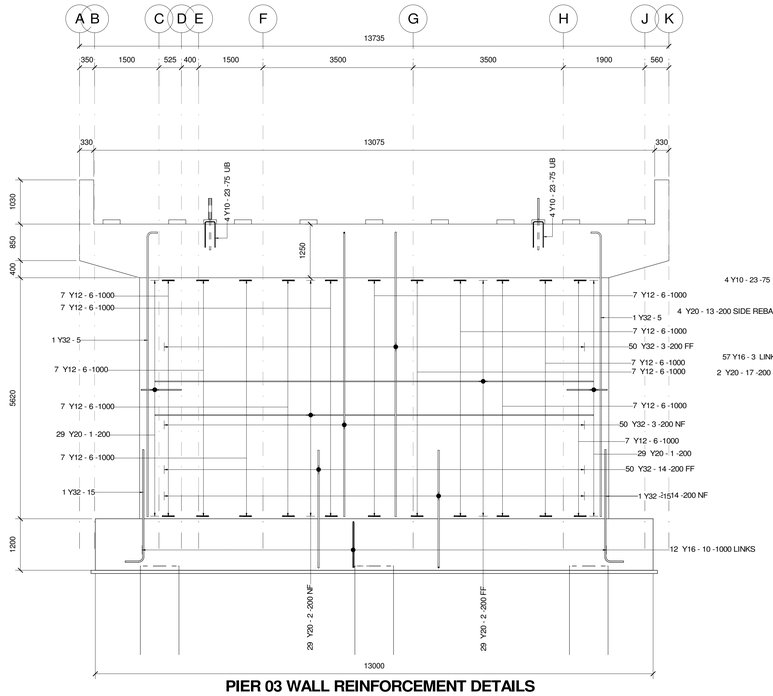


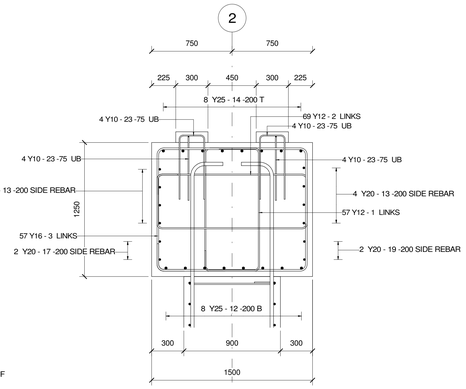
PIER 03 FOUNDATION REINFORCEMENT DETAILS

SCALE 1 : 50



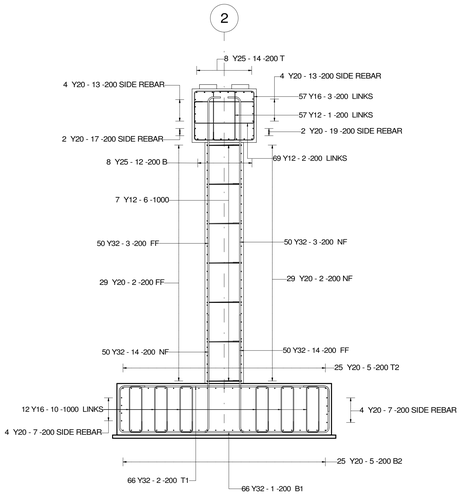
PIER 03 WALL REINFORCEMENT DETAILS

SCALE 1 : 50



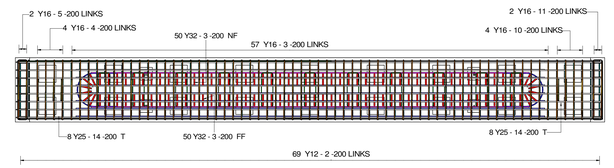
TYPICAL PIER CAPPING BEAM SECTION

SCALE 1 : 20



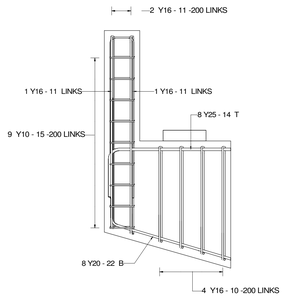
REINFORCEMENT DETAILS - SECTION C-C

SCALE 1 : 50



PIER 03 BEARING SEAT REINFORCEMENT DETAILS

SCALE

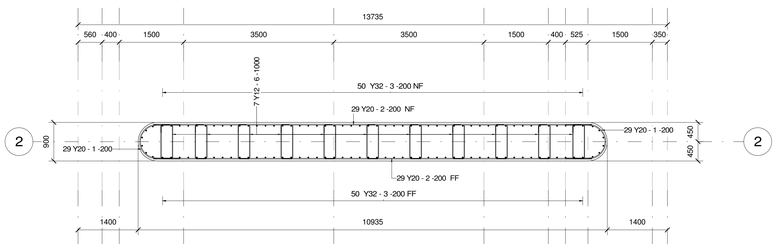


PIER 03 WALL REBAR DETAILS

SCALE

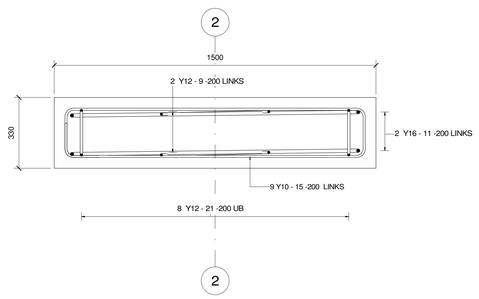
PIER 03 CAP BEAM REINFORCEMENT DETAILS

SCALE 1 : 50



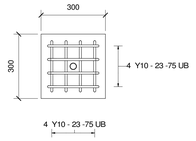
PIER 03 WALL TYPICAL SECTION

SCALE 1 : 50



Detail 4

SCALE 1 : 10



PLINTH REINFORCEMENT DETAILS

SCALE 1 : 10

REINFORCEMENT NOTES

1.0 MINIMUM CONCRETE COVER: BASES -50mm; WALLS -50mm

2.0 REINFORCEMENT DETAILED IN ACCORDANCE WITH SABS 0144-1995

ABBREVIATIONS

B1 - LOWEST BOTTOM LAYER
B2 -SECOND LOWEST BOTTOM LAYER
T1 -TOPMOST TOP LAYER
T2 -SECOND HIGHEST TOP LAYER
EF -EACH FACE
NF -NEAR FACE
FF -FAR FACE
BW -BOTH WAY

3.0 MINIMUM LAP LENGTH TO BE 50 x DIAMETER OF THE SMALLER BAR.

4.0 REINFORCEMENT TO CONFORM TO SABS 920-1985.

HOT ROLLED HIGH STRESS DEFORMED (Y) BARS: CHARACTERISTIC STRENGTH 450 MPa.

HOT ROLLED ROUND MILD STEEL (R) BARS: CHARACTERISTIC STRENGTH 250 MPa.

Rev	Date	Description	Checked	Signed
A	28-09-2023	ISSUED FOR APPROVAL	BM	

AMMENDMENTS

AS BUILT

Supervising Engineer ____ Date ____

Supervising Authority

Continued from :
Continued on :
Cross Section No :
Longitudinal Section No :
Survey Plan No :

Designed by : T. Mhkize
Checked by : B. Manyela
Drawn by : S. Maphumulo
Checked by : T. Mhkize
Date of approval :

transport
Department:
Transport
Province of KwaZulu-Natal

Designed by :
IBHONGO CONSULTING
Director ____ Date ____

71 Fifth Avenue
Morningside
Durban 4001
Tel: (031) 324 2200
Fax: (031) 324 2222
email:info@ibhongo.co.za

Structural Design: Chief Engineer
Head: Transport

PROVINCIAL ROAD P52/3 - NONGOMA TO PONGOLA
S 27 39 47.18 E 31 43 12.14

PROPOSED MKHUZE RIVER BRIDGE

PIER 03 REINFORCEMENT DETAILS

Staked km distance: 27.400
Scale : As indicated
Sheet : 10 of : 51
Ibhongo Dwg No: 2203-SL-010
DOT Dwg No: 3801-10

3801-10