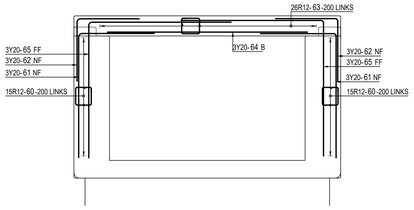
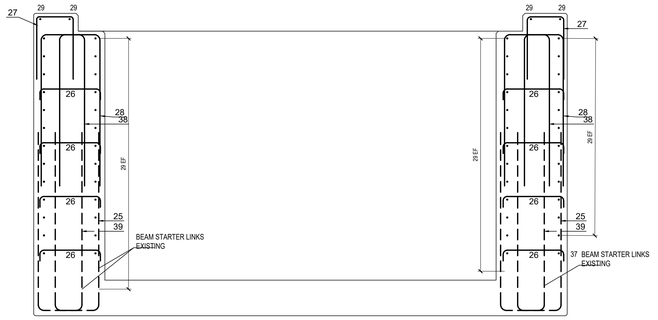
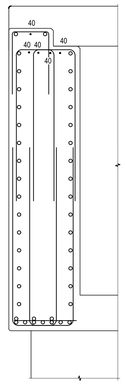


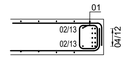
PORTAL END DETAIL
SCALE 1:50



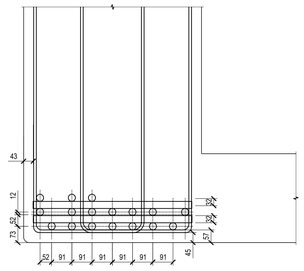
SECTION A
SCALE 1:25



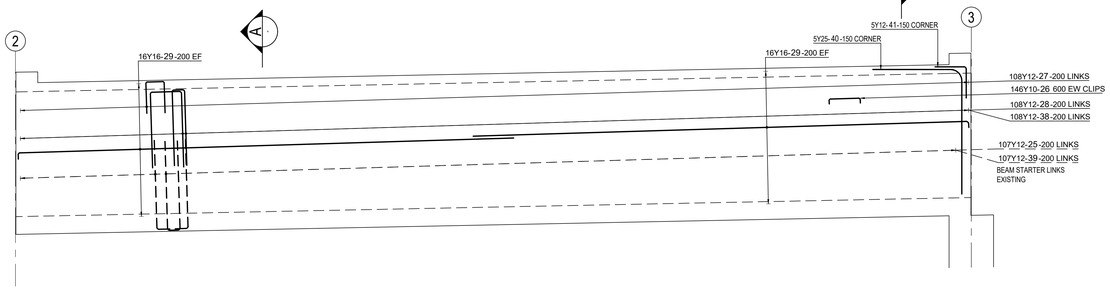
SECTION C
SCALE 1:25



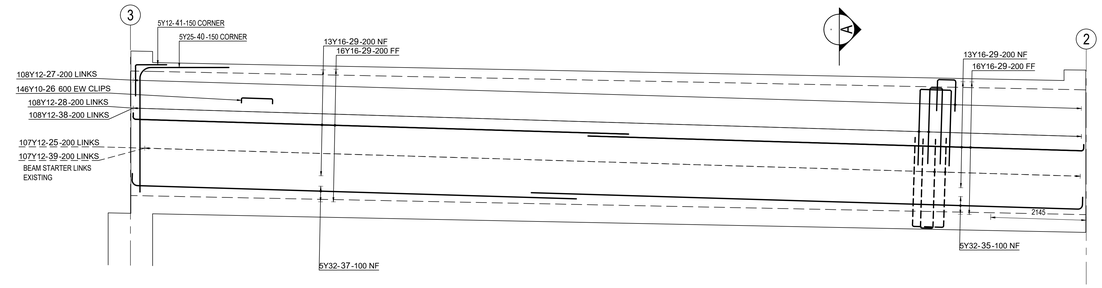
SECTION THRU SHEAR KEY
SCALE 1:25



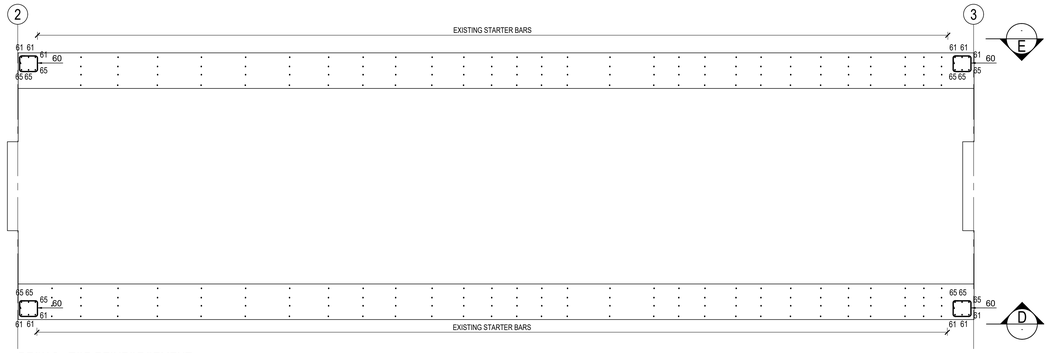
TYPICAL BEAM MAIN REBAR COVER DIMENSION
SCALE 1:10



ELEVATION-D-D
SCALE 1:50



ELEVATION-E-E
SCALE 1:50



DECK 2 - TOP REINFORCEMENT
SCALE 1:50

NOTES: REINFORCED CONCRETE

1. THE APPLICABLE STANDARD SPECIFICATION IS *SANS 1200G - 1982* WHICH SHOULD BE READ IN CONJUNCTION WITH THE VARIATIONS AND ADDITIONS CONTAINED IN *THEMBA PROJECT SPECIFICATION FOR CONCRETE (STRUCTURAL).*
2. CONCRETE COVER TO REINFORCEMENT AND CONCRETE STRENGTH TO BE AS INDICATED BELOW. COVER IS GIVEN TO THE NEAREST FACE. MINIMUM BAR COVER TO BE MAXIMUM OF BAR DIAMETER AND AS SHOWN BELOW. SPECIFIED COVER TO BE MAINTAINED USING CEMENT MORTAR COVER BLOCKS OR APPROVED PLASTIC SPACERS.

ELEMENT	CONCRETE STRENGTH AT 28 DAYS (MPa)	COVER mm
FOUNDATIONS	30	50
COLUMNS	30	45
BEAMS	30	45
SLABS	30	45
WALLS	30	45
-	40	30

3. ALL AGGREGATE TO BE 19mm UNLESS OTHERWISE SPECIFIED.
4. CONCRETE DESIGN MIXES TO BE SUBMITTED TO ENGINEER FOR COMMENTS PRIOR TO CONSTRUCTION.
5. CUBE TESTS TO BE CARRIED OUT ON SITE AND LOGGED WITH POSITION AND DATE. CUBES TO BE TAKEN FOR EACH TYPE OF ELEMENT, AT LEAST ONE SET DAILY AND AT LEAST ONE SET EVERY 50m³.
6. REINFORCEMENT TO BE IN ACCORDANCE WITH SANS 920 AND SHALL BE BENT IN ACCORDANCE WITH SANS 82
7. ALL CAST IN ITEMS SHALL BE FREE OF OIL, GREASE, DIRT OR ANY OTHER MATERIAL WHICH MAY IMPAIR THE BOND WITH THE CONCRETE. CONTRACTOR TO REFER TO ARCHITECT /SPECIALIST DRAWINGS FOR DETAILS/POSITIONS OF OPENINGS, SLEEVES, CONDUITING, ETC. FOR STORMWATER, SEWERAGE AND OTHER SERVICES.
8. FOUNDATIONS HAVE BEEN DESIGNED FOR AN ALLOWABLE GROUND BEARING CAPACITY OF 1000 kPa.
9. ALL FOUNDATION EXCAVATIONS TO BE INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO CONCRETING.
10. REMOVAL OF FORMWORK TO BE IN ACCORDANCE WITH THE PROJECT SPECIFICATION. IT IS THE CONTRACTOR'S RESPONSIBILITY FOR BACK-PROPPING ON MULTI-STOREY SLAB CONSTRUCTION
11. ALL EXPOSED CORNERS TO BE CHAMFERED 25x25 O.U.N.

CONSULTANTS DWG NO
13247-02/S/R019/A

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DESIGNED	KB		10/02/2021
DRAWN	WM		30/09/2024
CHECKED	LD		30/09/2024
APPROVED BY:			
		SIGNATURE	DATE
ECSA REG. No.	.		
CHECKED BY:			
		SIGNATURE	DATE

CLIENT
JOHANNESBURG WATER
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Joburg

DIEPSLOOT SEWAGE AQUEDUCT
BRIDGE 2

DECK 2 REBAR DETAIL

SURVEY INFORMATION		APPROVAL BY JW DEPOT			SCALE
PROJECT SURVEYOR:		CHECKED			AS SHOWN
		APPROVED BY:			
DATE:			SIGNATURE	DATE	
CCTV INFORMATION		APPROVAL BY JW PLANNING			
CCTV COMPANY:		CHECKED			
		APPROVED BY:			
DATE:			SIGNATURE	DATE	

REV:	DESCRIPTION	DATE:
A	ISSUED FOR TENDER	30/09/24

AMENDMENTS

DRAWING No.

JW14455 – A
PROJECT No. DRAWING No. REV.

A0 ORIGINAL PAGE SIZE

SHEET 2 OF 4

FILE No.