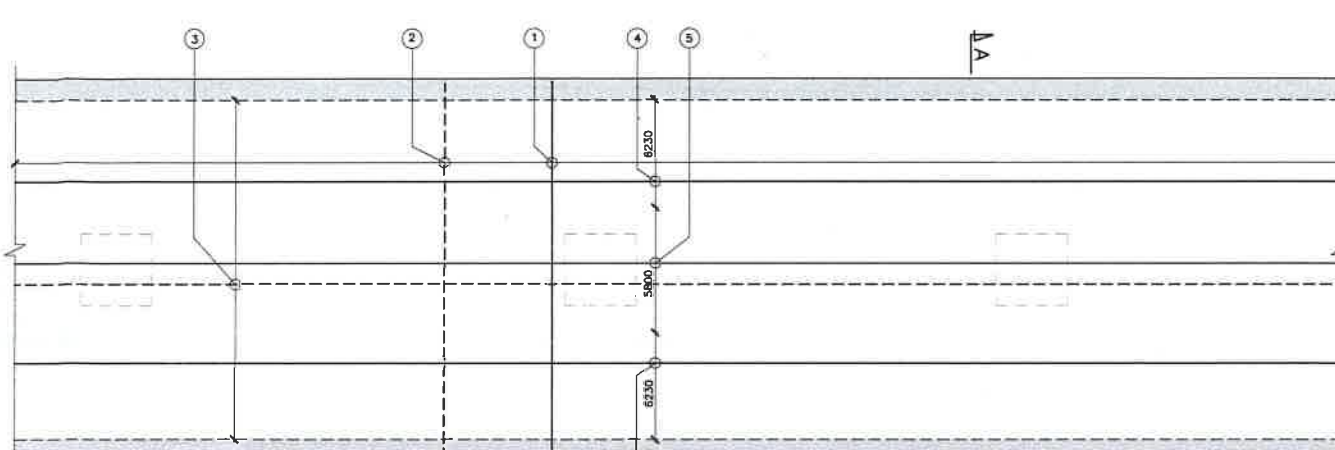
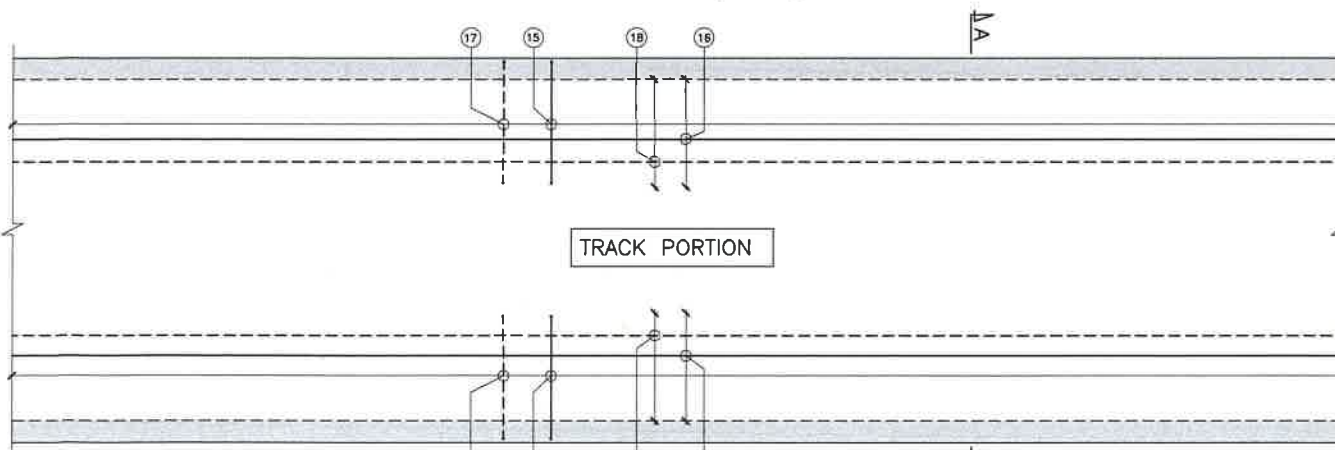


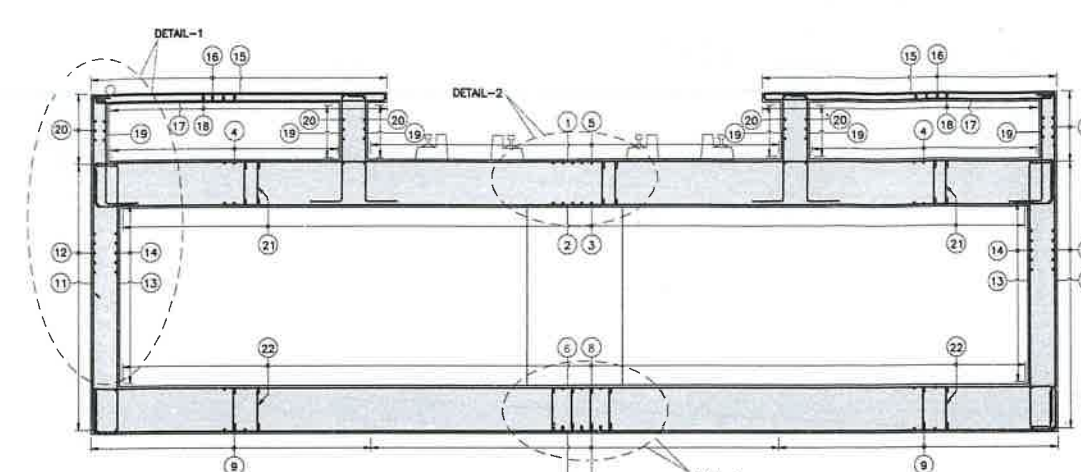
1 PLAN AT BOTTOM SLAB LEVEL
COLUMN, BEAM & SHEAR REINFORCEMENT NOT SHOWN FOR CLARITY
(SCALE 1:100)



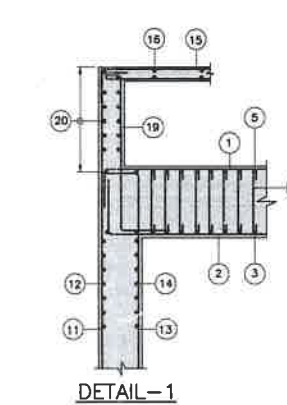
2 PLAN AT TOP SLAB LEVEL
COLUMN, BEAM & SHEAR REINFORCEMENT NOT SHOWN FOR CLARITY
(SCALE 1:100)



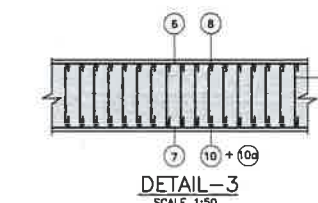
3 PLAN AT PLATFORM SLAB LEVEL
COLUMN, BEAM & SHEAR REINFORCEMENT NOT SHOWN FOR CLARITY
(SCALE 1:100)



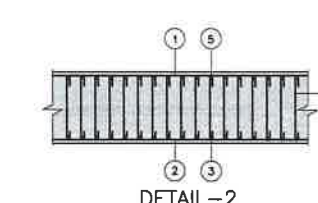
SECTION A-A
COLUMN & BEAM REINFORCEMENT NOT SHOWN FOR CLARITY
SCALE 1:75



DETAIL-1
SCALE 1:50



DETAIL-3
SCALE 1:50



DETAIL-2
SCALE 1:50

SCHEDULE OF REINFORCEMENT

BAR NO.	REINFORCEMENT DETAILS	BAR SHAPE
1	32 125 c/c	550 550
2	32 125 c/c	550 550
3	25 100 c/c	
4	16 100 c/c	
5	32 100 c/c	
6	32 125 c/c	950 950
7	32 125 c/c	950 950
8	25 100 c/c	
9	20 100 c/c	
10	25 100 c/c (BUNDLED WITH 10a)	
10a	25 100 c/c (BUNDLED WITH 10a)	
11	32 140 c/c	500 500 800 800
12	25 150 c/c	
13	25 140 c/c	800 800 800 800
14	25 200 c/c	
15	16 100 c/c	100 100
16	16 200 c/c	
17	16 100 c/c	100 100
18	16 200 c/c	
19	32 140 c/c	600 400 400 600
20	20 200 c/c	
21	10 100 c/c (TRANSVERSE) 10 125 c/c (LONGITUDINAL)	
22	12 200 c/c (TRANSVERSE) 12 125 c/c (LONGITUDINAL)	

LEGEND:
—— TOP REINFORCEMENT
----- BOTTOM REINFORCEMENT

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES. LEVELS AND CHAINAGE ARE IN METRES UNLESS SPECIFIED OTHERWISE.
2. FOLLOW FIGURED DIMENSIONS ONLY DO NOT SCALE THE DRAWING.
3. GRADE OF CONCRETE SHALL BE - M35.
4. GRADE OF STEEL SHALL BE Fe-500 CONFORMING TO IS:1786-2008.
5. MINIMUM CLEAR COVER TO REINFORCEMENT SHALL BE - 50MM.
6. DEVELOPMENT LENGTH REPRESENTED BY LD SHALL BE EQUAL TO 48 TIMES THE DIA OF BAR.
7. LAP LENGTH SHALL BE EQUAL TO 64 TIMES THE DIA OF BAR.
8. LAPPING OF BARS SHALL BE SUITABLY STAGGERED AND IN NO CASE MORE THAN 50% BARS SHALL BE LAPPED AT ANY SECTION.
9. PARAMETERS CONSIDERED FOR DESIGN:-
 - a) ANGLE OF INTERNAL BACKFILL $\phi = 30^\circ$
 - b) COHESION OF BACKFILL $c = 0$
 - c) WALL FRICTION ANGLE $\delta = 10^\circ$
 - d) SATURATED DENSITY OF BACKFILL $\gamma = 20 \text{ kN/m}^3$
 - e) FRICTION COEFFICIENT BETWEEN SOIL AND CONCRETE $\mu = \tan \phi$

10. MAXIMUM CALCULATED PRESSURE AT BOTTOM OF BOX FOR THIS STATION IS AS FOLLOWS:

STRUCTURE	P max
RCC BOX (kN/m ²)	164.520

11. ENGINEER INCHARGE SHALL ENSURE MAXIMUM CALCULATED FOUNDATION PRESSURE AT FOUNDATION LEVEL SHALL NOT EXCEED SAFE BEARING CAPACITY OF SOIL AT THAT LOCATION (UNQ)

NOTES 1. 02077-BSRP-CR2-C-UB-0-10-1306 (SH-1 OF 3) : GENERAL ARRANGEMENT DRAWING OF KANAKANAGAR STATION 2. 02077-BSRP-CR2-C-UB-0-10-1306 (SH-2 OF 3) : GENERAL ARRANGEMENT DRAWING OF KANAKANAGAR STATION 3. 02077-BSRP-CR2-C-UB-0-10-1307 (SH-1 OF 3) : DIMENSION DETAIL OF KANAKANAGAR STATION (AT GRADE) 4. 02077-BSRP-CR2-C-UB-0-10-1307 (SH-2 OF 3) : DIMENSION DETAIL OF KANAKANAGAR STATION (AT GRADE) 5. 02077-BSRP-CR2-C-UB-0-10-1307 (SH-3 OF 3) : DIMENSION DETAIL OF KANAKANAGAR STATION (AT GRADE)		LEGEND TRANSPORTATION INFRASTRUCTURE IC EORC-SPECIAL BRIDGES		REFERENCE DRAWINGS 1. 02077-BSRP-CR2-C-UB-0-10-1306 (SH-1 OF 3) : GENERAL ARRANGEMENT DRAWING OF KANAKANAGAR STATION 2. 02077-BSRP-CR2-C-UB-0-10-1306 (SH-2 OF 3) : GENERAL ARRANGEMENT DRAWING OF KANAKANAGAR STATION 3. 02077-BSRP-CR2-C-UB-0-10-1307 (SH-1 OF 3) : DIMENSION DETAIL OF KANAKANAGAR STATION (AT GRADE) 4. 02077-BSRP-CR2-C-UB-0-10-1307 (SH-2 OF 3) : DIMENSION DETAIL OF KANAKANAGAR STATION (AT GRADE) 5. 02077-BSRP-CR2-C-UB-0-10-1307 (SH-3 OF 3) : DIMENSION DETAIL OF KANAKANAGAR STATION (AT GRADE)		REFERENCE DOCUMENTS 1. 02077-BSRP-CR2-C-UB-0-10-1307 : DESIGN OF STATION BOX AT GR-1/2/3 OF KANAKANAGAR STATION		KEY PLAN 		EMPLOYER RAIL INFRASTRUCTURE DEVELOPMENT COMPANY (KARNATAKA) LIMITED		PROJECT BENGALURU SUBURBAN RAILWAY PROJECT (BSRP) K-RIDE CORRIDOR - 2		EMPLOYER DESIGNATION NAME SIGN _____ _____ _____	
REVISIONS NO. DATE BY DESCRIPTION 1. 18.07.2024 FOR APPROVAL 2. 18.07.2024 FOR APPROVAL		QUALITY ASSURANCE The responsibility of control, check and verification of accuracy, correctness, completeness, integration and full compliance of Contract provisions in respect of design, analysis and drawing shall rest with Design & Build Contractor. QC QC PC Contracts DATE 18.07.2024 18.07.2024 18.07.2024 NAME SK SKS PREPARED BY CHECKED BY APPROVED BY ISSUED BY		GENERAL CONSULTANTS NAME SIGN _____ _____ _____ NAME SIGN _____ _____ _____		REVIEWED BY PD PROJECT DIRECTOR SIGN _____ _____ _____		EMPLOYER RAIL INFRASTRUCTURE DEVELOPMENT COMPANY (KARNATAKA) LIMITED GENERAL CONSULTANTS AECOM egis wsp AECOM-EGIS-WSP		PROJECT BENGALURU SUBURBAN RAILWAY PROJECT (BSRP) K-RIDE CORRIDOR - 2 DRAWING TITLE REINFORCEMENT DETAIL OF KANAKANAGAR STATION BOX (AT GRADE) SECTION-2		DRAWING NO. 02077-BSRP-CR2-C-UB-0-10-1309 SCALE: AS SHOWN DATE: 18.07.2024 SHEET 1 OF 3 B D			