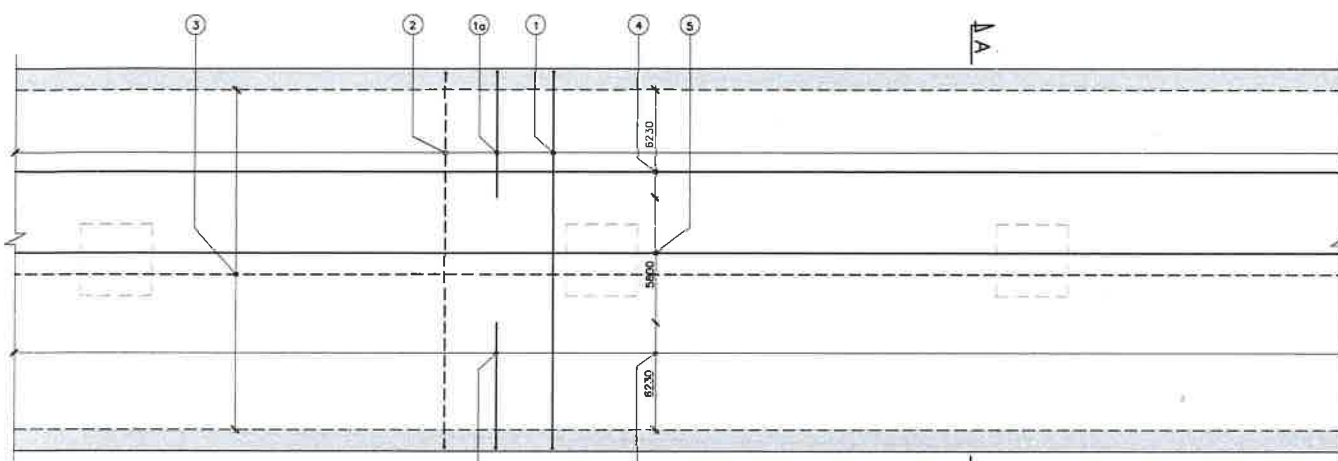
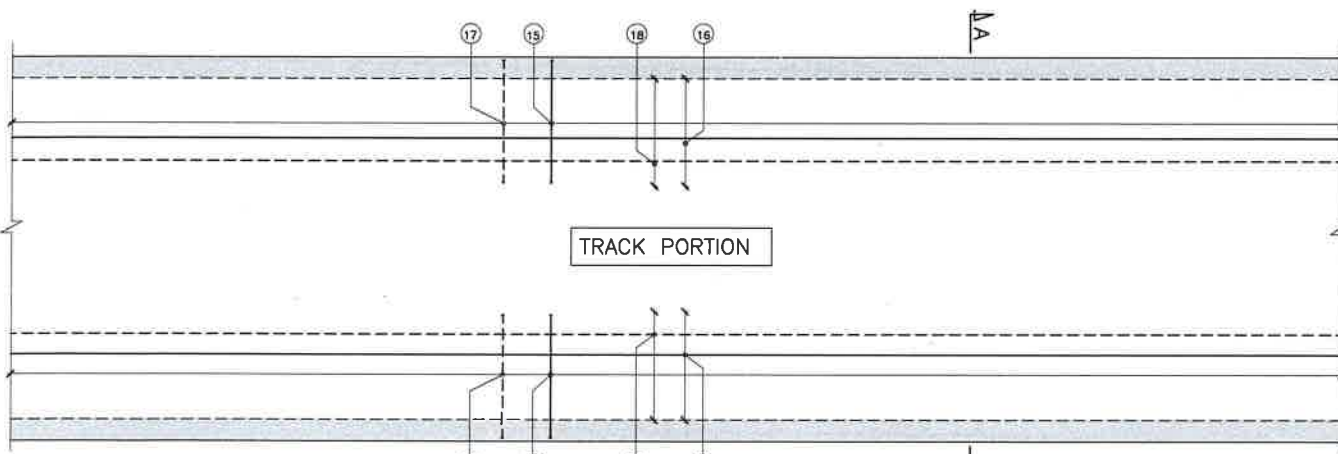


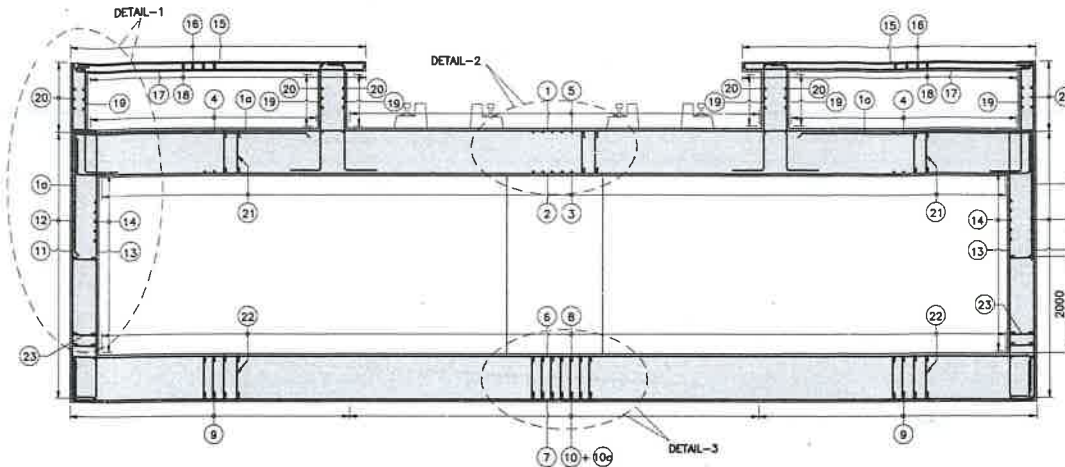
① PLAN AT BOTTOM SLAB LEVEL
COLUMN, BEAM & SHEAR REINFORCEMENT NOT SHOWN FOR CLARITY
(SCALE 1:100)



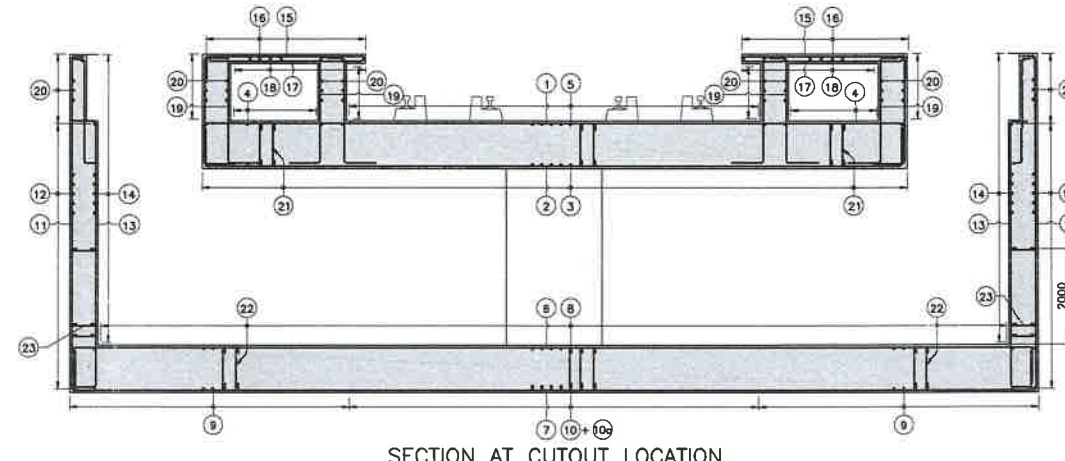
② PLAN AT TOP SLAB LEVEL
COLUMN, BEAM & SHEAR REINFORCEMENT NOT SHOWN FOR CLARITY
(SCALE 1:100)



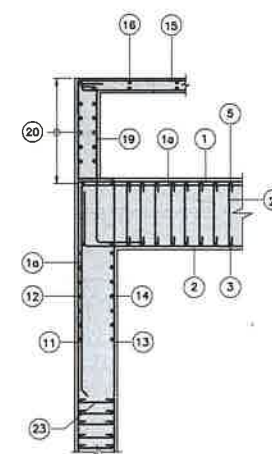
③ PLAN AT PLATFORM SLAB LEVEL
COLUMN, BEAM & SHEAR REINFORCEMENT NOT SHOWN FOR CLARITY
(SCALE 1:100)



SECTION A-A



SECTION AT CUTOUT LOCATION
COLUMN & BEAM REINFORCEMENT NOT SHOWN FOR CLARITY
SCALE 1:75



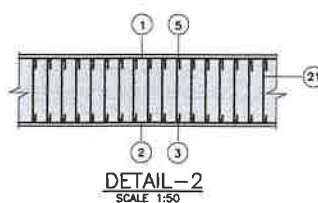
DETAIL-1
SCALE 1:50

SCHEDULE OF REINFORCEMENT

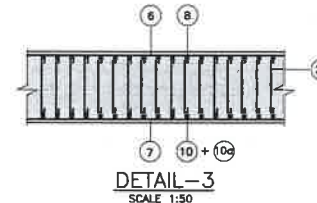
| BAR NO. | REINFORCEMENT DETAILS | BAR SHAPE |
|---------|--|-----------------|
| ① | 32 100 c/c | 350 550 |
| ② | 32 100 c/c | 2500 6000 |
| ③ | 32 100 c/c | 550 550 |
| ④ | 20 100 c/c | |
| ⑤ | 20 100 c/c | |
| ⑥ | 32 100 c/c | |
| ⑦ | 25 125 c/c | 950 950 |
| ⑧ | 25 100 c/c | |
| ⑨ | 20 100 c/c | |
| ⑩ | 25 100 c/c (BUNDLED WITH ⑩a) | |
| ⑩a | 25 100 c/c (BUNDLED WITH ⑩a) | |
| ⑪ | 32 100 c/c | 500 500 |
| ⑫ | 25 150 c/c | 800 800 |
| ⑬ | 25 100 c/c | 800 800 |
| ⑭ | 25 150 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 | 25 100 c/c | 600 400 400 800 |
| ⑳ | 20 200 c/c | |
| ㉑ | 8 100 c/c (TRANSVERSE) 8 100 c/c (LONGITUDINAL) | |
| ㉒ | 10 100 c/c (TRANSVERSE) 12 125 c/c (LONGITUDINAL) | |
| ㉓ | 8 150 c/c (VERTICAL) 8 100 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 F_y = 500 CONFORMING TO IS 1786-2008.
5. MINIMUM CLEAR COVER TO REINFORCEMENT SHALL BE - 50MM
6. DEVELOPMENT LENGTH REPRESENTED BY L_d 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 — 4 = 30°
b) COHESION OF BACKFILL — C = 0
c) WALL FRICTION ANGLE — δ = 10°
d) SATURATED DENSITY OF BACKFILL — γ = 20KN/m³
e) FRICTION COEFFICIENT BETWEEN — μ = TAN
SOIL AND CONCRETE
10. MAXIMUM CALCULATED PRESSURE AT BOTTOM OF BOX FOR THIS STATION IS AS FOLLOWS:
STRUCTURE P max
RCC BOX (KN/M²) 184.520
11. ENGINEER IN CHARGE SHALL ENSURE MAXIMUM CALCULATED FOUNDATION PRESSURE AT FOUNDATION LEVEL SHALL NOT EXCEED SAFE BEARING CAPACITY OF SOIL AT THAT LOCATION (UNO)



DETAIL-2
SCALE 1:50



DETAIL-3
SCALE 1:50

| | | | | | | | | | | | | | |
|---|--|---|--|---|--|---|--|---|--|--|--|--|--|
| 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 EDRG-SPECIAL BRIDGES | | REFERENCE DRAWINGS 1. DOC-BSRP-CR2-AQ-004-BR-10-1387 : DESIGN OF STATION BOX AT CR2+582 OF KANAKANAGAR STATION | | REFERENCE DOCUMENTS 1. DOC-BSRP-CR2-AQ-004-BR-10-1387 : DESIGN OF STATION BOX AT CR2+582 OF KANAKANAGAR STATION | | KEY PLAN KANAKANAGAR STATION BALAHALLI STATION MATTHEW STATION TRIVESTAR STATION | | STATION BOX KEY PLAN KANAKANAGAR STATION | | EMPLOYER DESIGNATION NAME SKN | |
| REVISIONS NO. DATE BY FOR APPROVAL/REVISION DESCRIPTION | | CONTRACTOR TRANSPORTATION INFRASTRUCTURE IC EDRG-SPECIAL BRIDGES | | 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 rests with Design & Build Contractor. DOC: IC: Contractor: DESIGNED: 19/07/2024 CHECKED: 19/07/2024 APPROVED: 19/07/2024 PREPARED BY: 19/07/2024 CHECKED BY: 19/07/2024 APPROVED BY: 19/07/2024 ISSUED BY: 19/07/2024 | | GENERAL CONSULTANTS NAME SKN SKN NAME SKN DATE | | PROJECT PROJECT DIRECTOR NAME SKN DATE | | 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-1 & SECTION-3 DRAWING NO. 02077-BSRP-CR2-C-UB-0-10-1306 SCALE: AS SHOWN PRELIMINARY (G/L/P, S/P/M/E/T/S) DMD (G/L/P, S/P/M/E/T/S) CONSTRUCTION DMD (G/L/P, S/P/M/E/T/S) MANUFACTURED DMD (G/L/P, S/P/M/E/T/S) DATE: 19/07/2024 SHEET-2 OF 3 REVISION: ENG STATUS B D | |