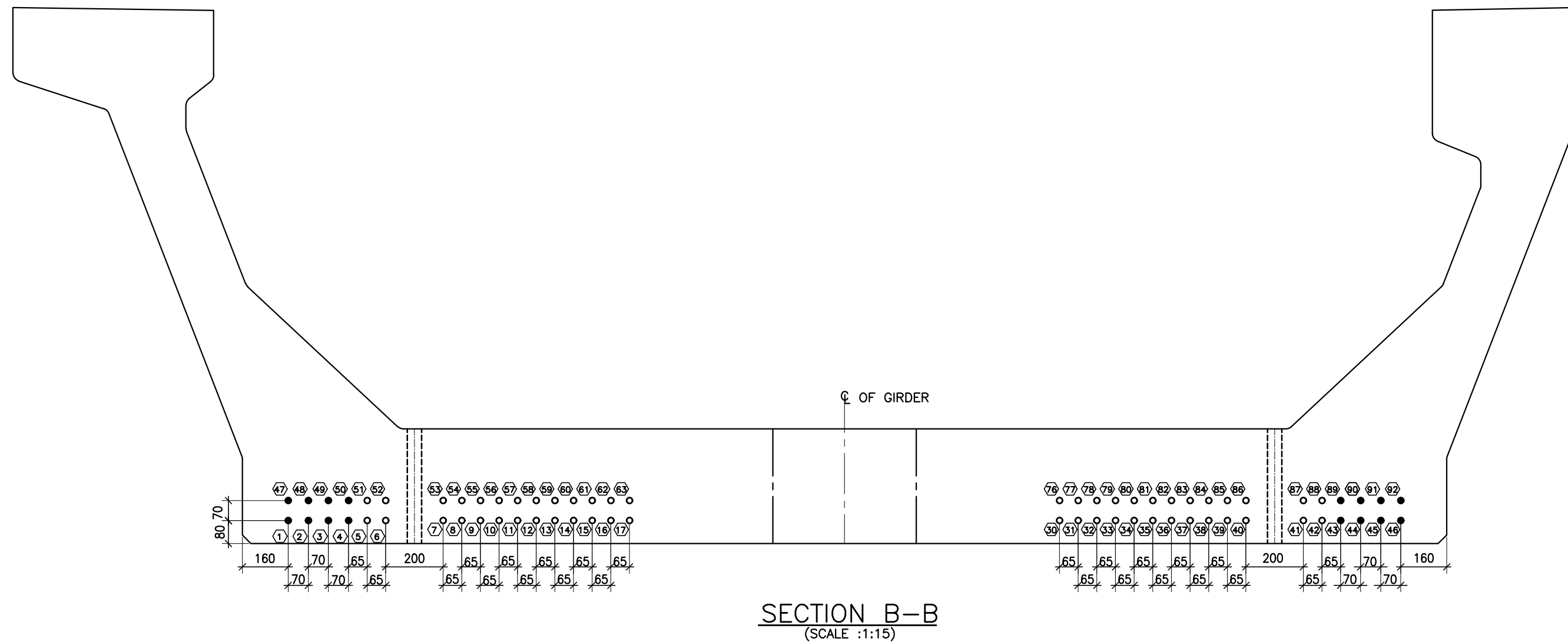
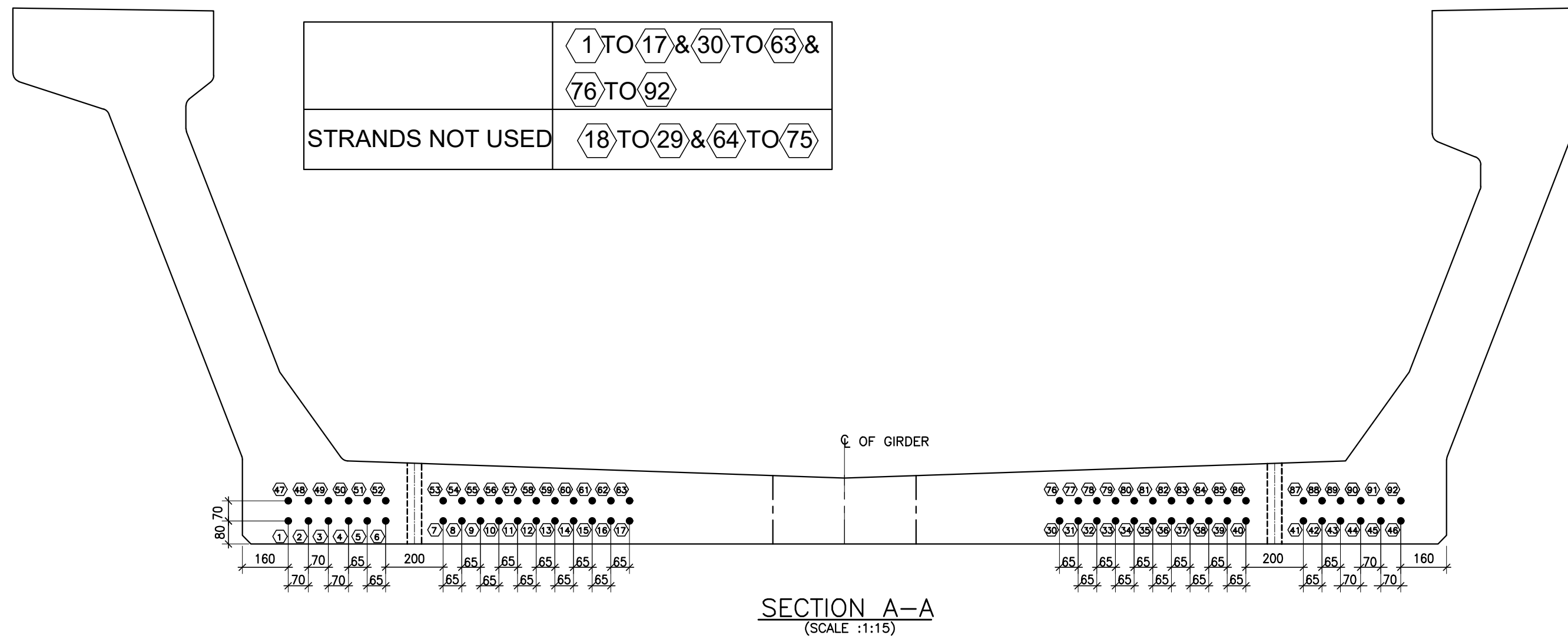
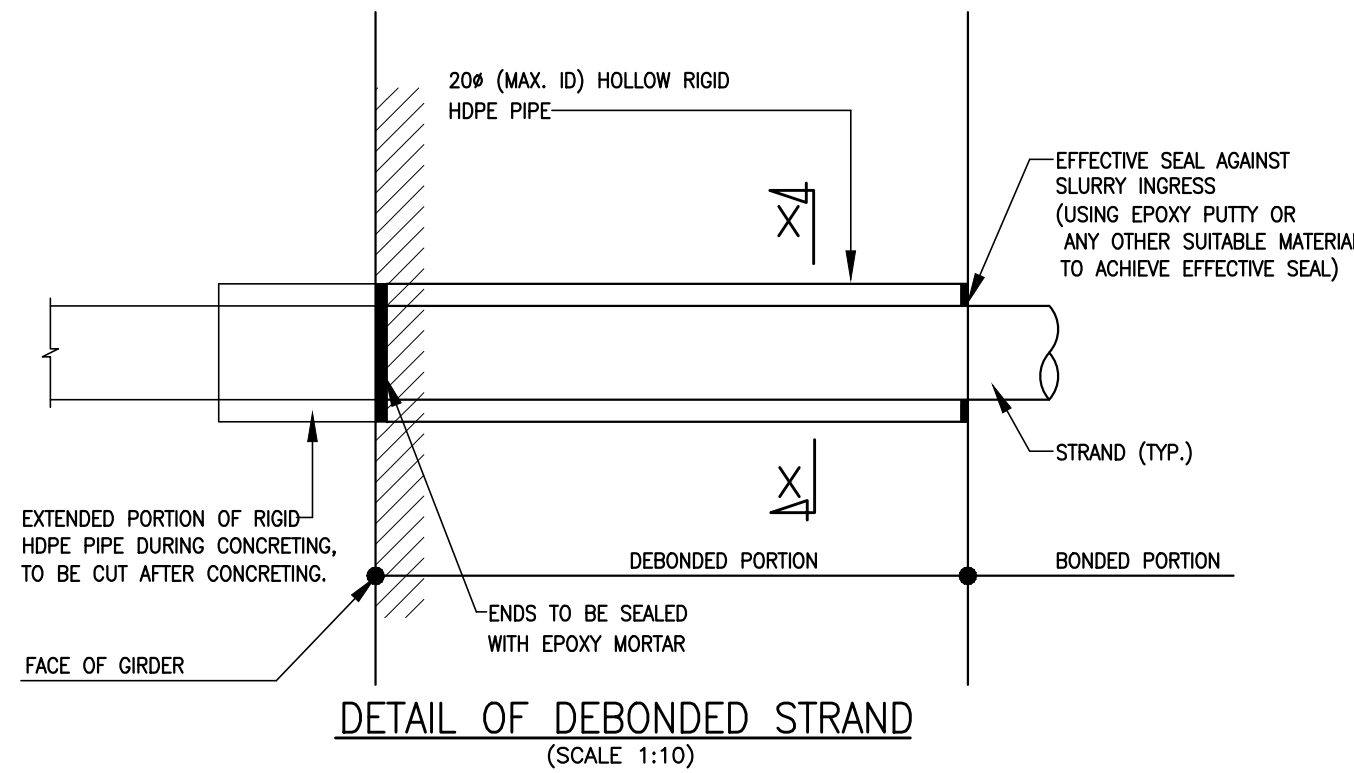
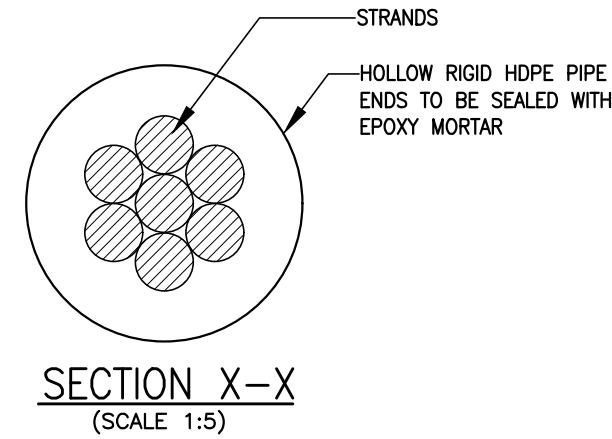
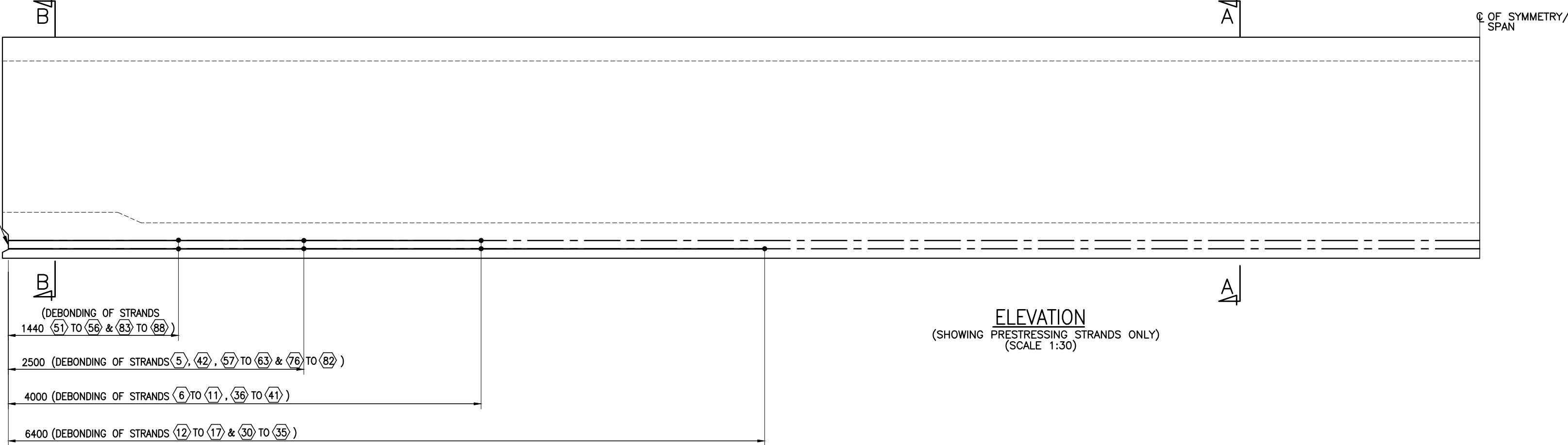


TO BE SEALED WITH CONBEXTRA GP2
GROUT OF FOSROC MAKE AFTER
PROVIDING A COAT OF NITO BOND EP
OF FOSROC MAKE.



GOOD FOR CONSTRUCTION

GENERAL NOTES:

- ALL DIMENSIONS ARE IN MILLIMETRES. UNLESS OTHERWISE MENTIONED.
- DIMENSIONS ARE NOT TO BE SCALED, ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
- MATERIALS:
 - CONCRETE - GRADE OF CONCRETE IN PSC GIRDERS = M60. MINIMUM STRENGTH OF CONCRETE AT TIME OF TRANSFER SHALL BE 40 N/mm²
 - PRESTRESSING STEEL
 - PRESTRESSING STEEL SHALL BE UNCOATED STRESS RELIEVED 15.2mm DIA 7PLY STRANDS OF LOW RELAXATION CONFORMING TO CLASS 2 OF IS:14268 WITH MINIMUM ULTIMATE STRENGTH OF 1860N/mm²
 - STRANDS SHALL BE STRESSED SIMULTANEOUSLY AGAINST CASTING GIRDER.
 - STRESSING OF STRAND SHALL BE DONE FROM ONE END OF THE CASTING GIRDER.
 - PARAMETERS ASSUMED FOR DESIGN
 - MODULUS OF ELASTICITY OF STEEL = 1.95X10⁵ MPa
 - CROSS SECTION AREA OF STRANDS = 140mm²
 - LOSS DUE TO 6MM ANCHORAGE SLIP IS CONSIDERED.
 - JACKING FORCE FOR EACH STRAND SHALL BE = 195.3 KN.
 - TOTAL ELONGATION OF STRAND AT JACKING END SHALL BE CALCULATED AS
ELONGATION = $\frac{\text{STRESS IN STRAND} \times \text{LENGTH OF STRAND}}{\text{MODULUS OF ELASTICITY OF STRAND}}$
 - DEBONDING OF STRANDS SHALL BE DONE AS SHOWN IN DRAWING.
- SUITABLE LIFTING HOOKS SHALL BE PROVIDED AT THE ENDS OF THE GIRDER AS INDICATED IN THE GENERAL ARRANGEMENT DRAWING.

REFERENCE DRAWINGS: (LATEST REVISION)

- 022077-BSRP-CR2-C-VD-GEN-30-1021 -GENERAL ARRANGEMENT AND DIMENSIONAL DETAIL OF 25M CURVED SPAN SUPERSTRUCTURE(R2438M & R<540M)
- 022077-BSRP-CR2-C-VD-GEN-30-1022 -GENERAL ARRANGEMENT AND DIMENSIONAL DETAIL OF 25M CURVED SPAN SUPERSTRUCTURE(R2438M & R<540M)
- 022077-BSRP-CR2-C-VD-GEN-30-1024 -REINFORCEMENT DETAILS OF 25M CURVED SPAN SUPERSTRUCTURE (R2438M & R<540M) SHEET 1 OF 2
- 022077-BSRP-CR2-C-VD-GEN-30-1024 -REINFORCEMENT DETAILS OF 25M CURVED SPAN SUPERSTRUCTURE (R2438M & R<540M) SHEET 2 OF 2
- 022077-BSRP-CR2-C-VD-GEN-30-1025 -REINFORCEMENT DETAILS OF 25M CURVED SPAN SUPERSTRUCTURE (R2438M & R<540M) SHEET 1 OF 2
- 022077-BSRP-CR2-C-VD-GEN-30-1025 -REINFORCEMENT DETAILS OF 25M CURVED SPAN SUPERSTRUCTURE (R2438M & R<540M) SHEET 2 OF 2
- 022077-BSRP-CR2-C-VD-GEN-30-1026 -GAUGES AND CLEARANCES - 25 M SPAN - FOR (R2438M & R<540M) PLAN VIEW & SECTION VIEW
- 022077-BSRP-CR2-C-VD-GEN-30-5001 -PRE TENSIONED STRAND DETAILS FOR U-GIRDER
- 022077-BSRP-CR2-C-VD-GEN-30-5006 -TYPICAL DETAIL OF ANCHOR & REINFORCEMENT OF PEDESTAL & WEB OF U-GIRDER AT ONE MAST LOCATION
- 022077-BSRP-CR2-C-VD-GEN-30-5021 -PLACING OF U-GIRDER AND I-GIRDER FOR CR2 & CR4
- 022077-BSRP-CR2-C-VD-GEN-30-5008 -TYPICAL REINFORCEMENT DETAILS AT LIFTING HOLE LOCATION FOR U GIRDER

LICENSE:

"THIS DESIGN FOR THE PROJECT HAVE BEEN
PREPARED UNDER LICENSE FROM M/S SYSTRA"

NOTES:		LEGEND:		REFERENCE DRAWINGS:		REFERENCE DOCUMENTS:		KEY PLAN		STATION BOX KEY PLAN	
1. ALL DIMENSIONS ARE IN MILLIMETRES. UNLESS OTHERWISE MENTIONED.		BONDING DEBONDING									
2. DIMENSIONS ARE NOT TO BE SCALED, FOLLOW ONLY WRITTEN DIMENSIONS.											
REVISIONS		CONTRACTOR		QUALITY ASSURANCE		GENERAL CONSULTANTS		EMPLOYER		PROJECT	
		TRANSPORTATION INFRASTRUCTURE IC EDRC-SPECIAL BRIDGES		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.		CHECKED & APPROVED NAME SIGN		RAIL INFRASTRUCTURE DEVELOPMENT COMPANY (KARNATAKA) LIMITED		BENGALURU SUBURBAN RAILWAY PROJECT (BSRP) K-RIDE CORRIDOR - 2	
		DETAILED DESIGN CONSULTANT (DDC): 		PROOF CONSULTANT (PC): 		COUNTER SIGN PROJECT DIRECTOR		GENERAL CONSULTANTS: 		DRAWING TITLE: PRE TENSIONED STRAND DETAILS FOR 25M CURVED SPAN SUPERSTRUCTURE (R2438M & R<540M)	
		DATE: 15.07.2024 NAME: PRESHT M. VAJAYENDRA J. SHASHIDHAR C.		DATE: 15.07.2024 NAME: PRESHT M. VAJAYENDRA J. SHASHIDHAR C.		SIGNATURE		DRAWING NO.: 022077-BSRP-CR2-C-VD-GEN-30-1023		REVISION	
		DATE: 15.07.2024 NAME: PRESHT M. VAJAYENDRA J. SHASHIDHAR C.		DATE: 15.07.2024 NAME: PRESHT M. VAJAYENDRA J. SHASHIDHAR C.		SIGNATURE		SCALE: AS SHOWN		0	
		DATE: 15.07.2024 NAME: PRESHT M. VAJAYENDRA J. SHASHIDHAR C.		DATE: 15.07.2024 NAME: PRESHT M. VAJAYENDRA J. SHASHIDHAR C.		SIGNATURE		DATE: 15.07.2024		C	
		DATE: 15.07.2024 NAME: PRESHT M. VAJAYENDRA J. SHASHIDHAR C.		DATE: 15.07.2024 NAME: PRESHT M. VAJAYENDRA J. SHASHIDHAR C.		SIGNATURE		PRELIMINARY DWG (P), DEFINITIVE DWG (D), CONSTRUCTION DWG (C), AS BUILT DWG (B), SHOP DWG (S), MANUFACTURED DWG (M)		SHEET SIZE - A1	