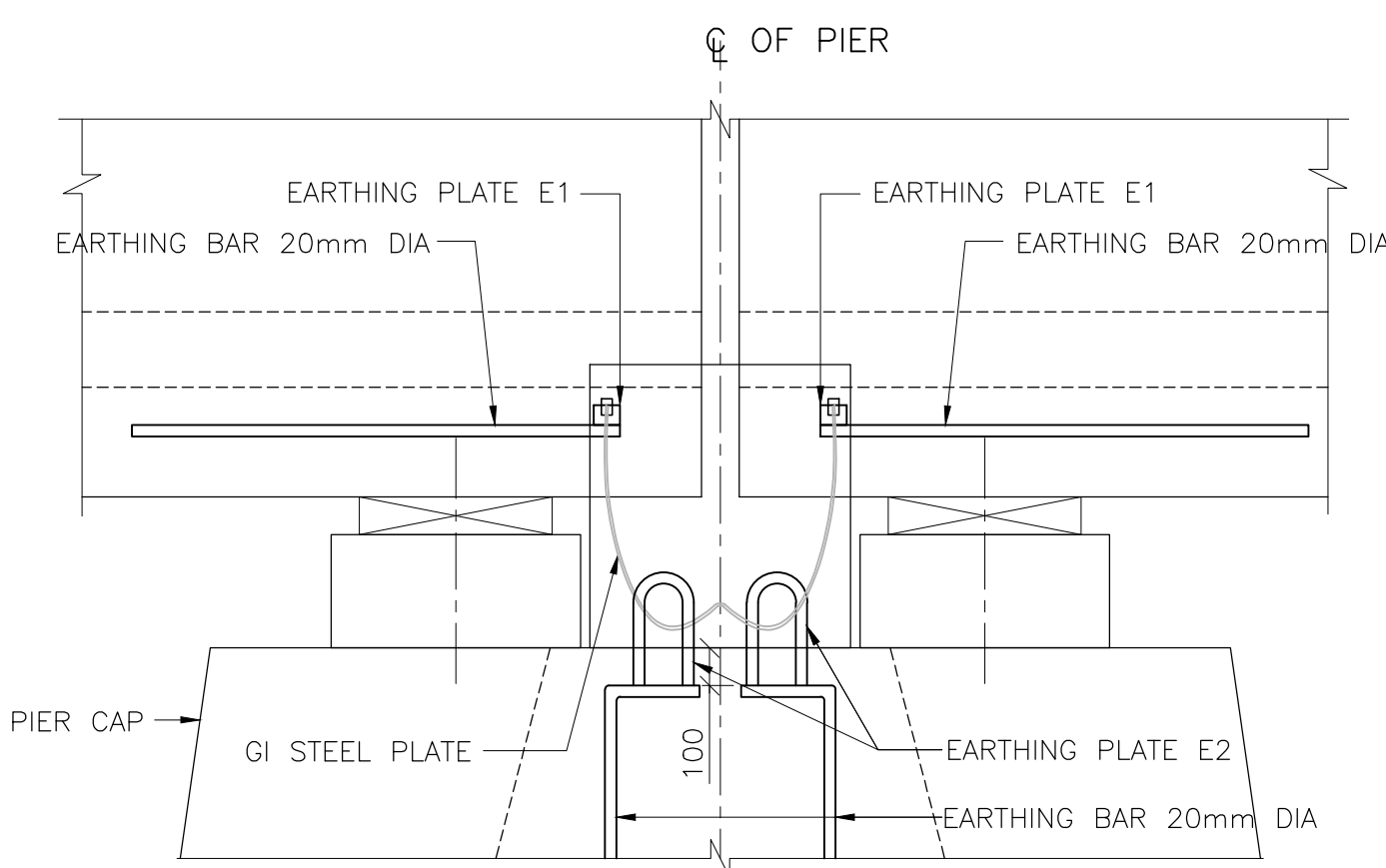


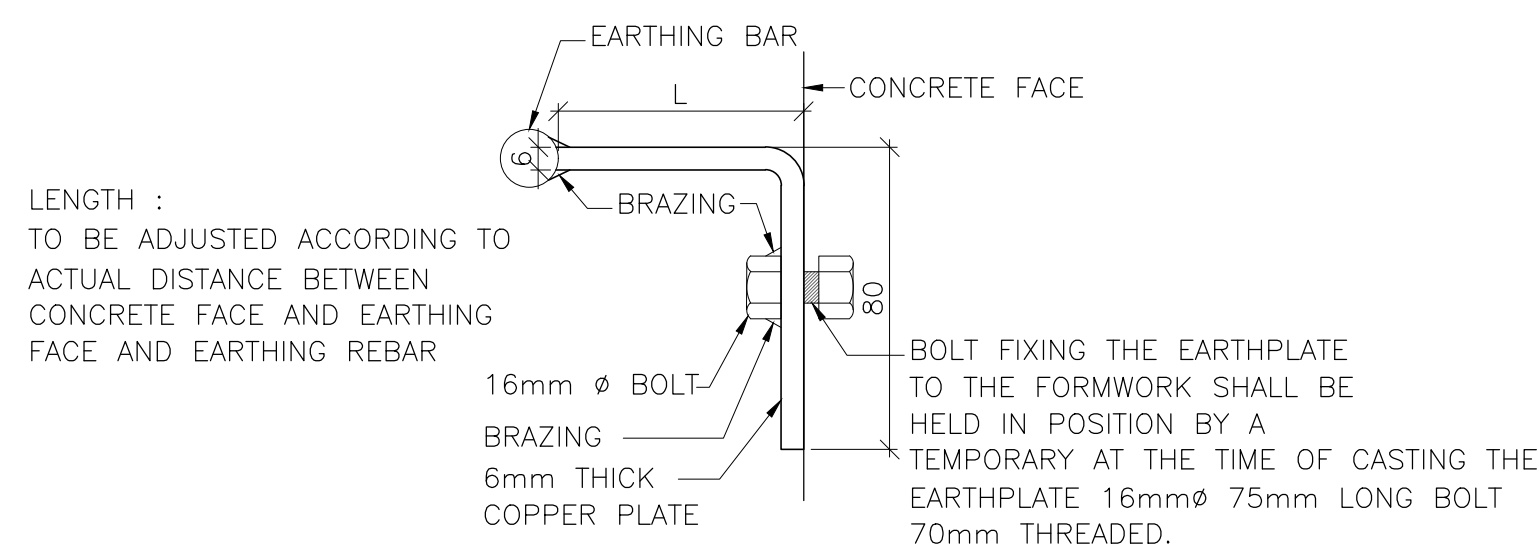
TYPICAL EARTH TERMINAL  
DETAIL FOR CONNECTION E2



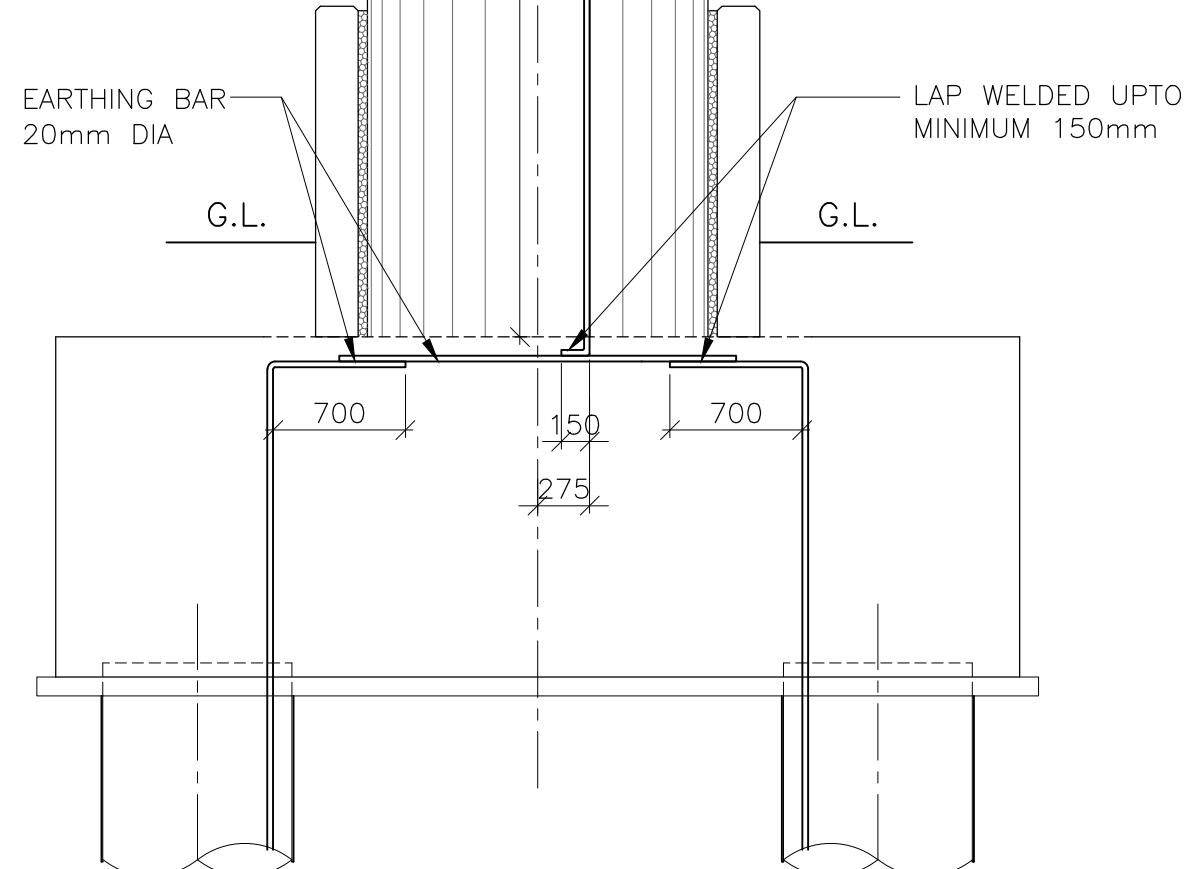
DETAIL 'B'

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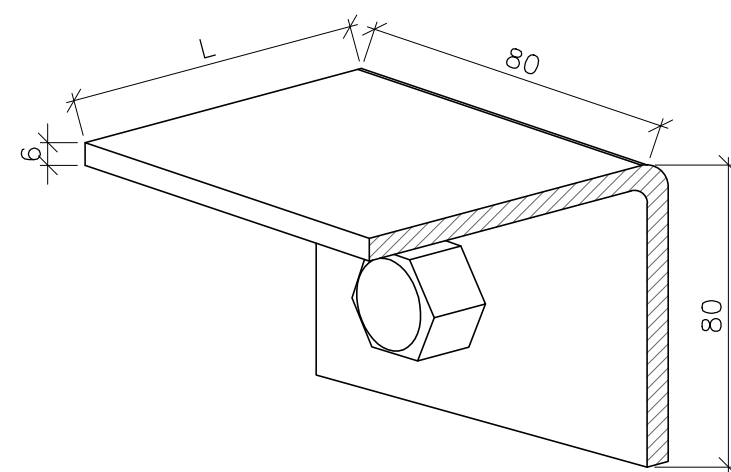
1:20



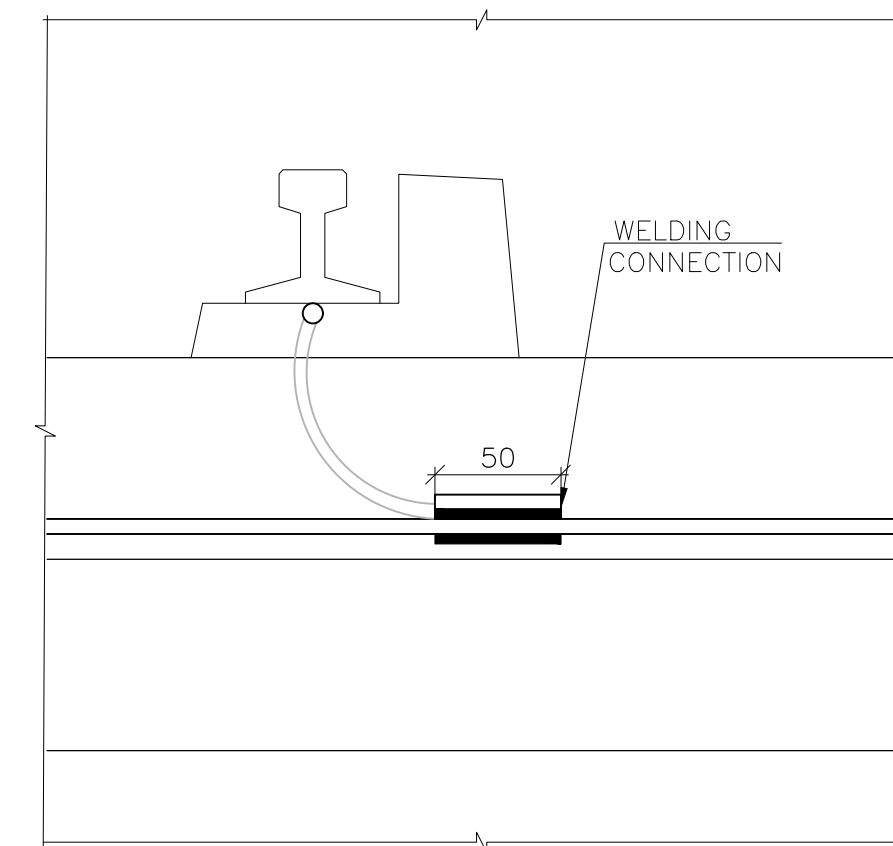
TYPICAL EARTH PLATE DETAIL  
FOR CONNECTION E1 & E3  
1:2



SECTION 1-1  
1:40

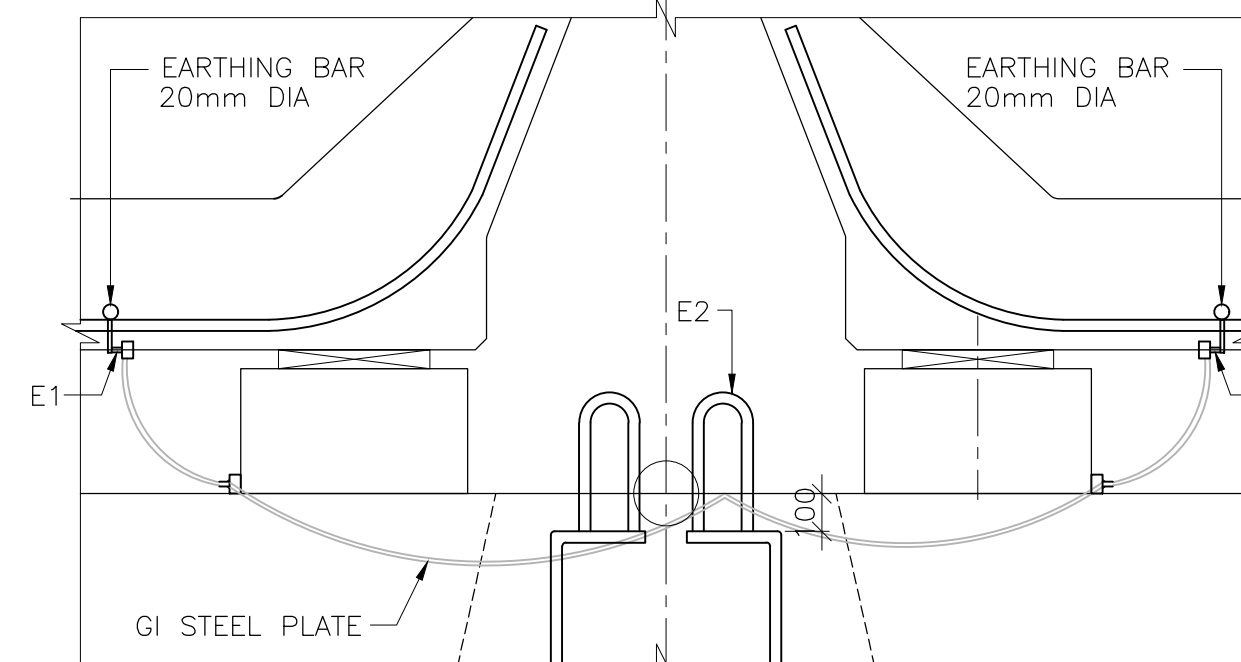


ISOMETRIC VIEW EARTH PLATE  
FOR CONNECTION E1 & E3  
1:2



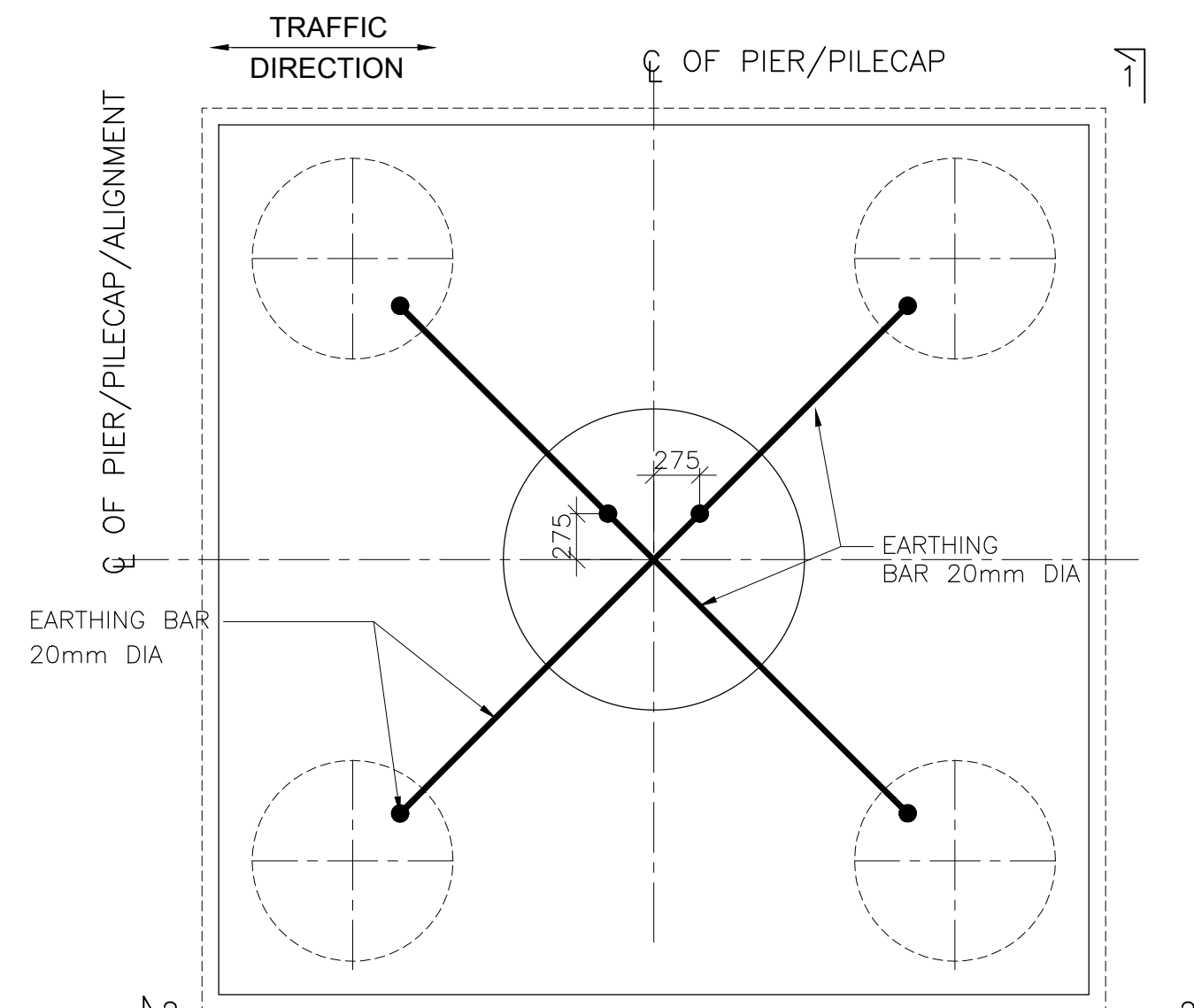
DETAIL 'D'

1:15

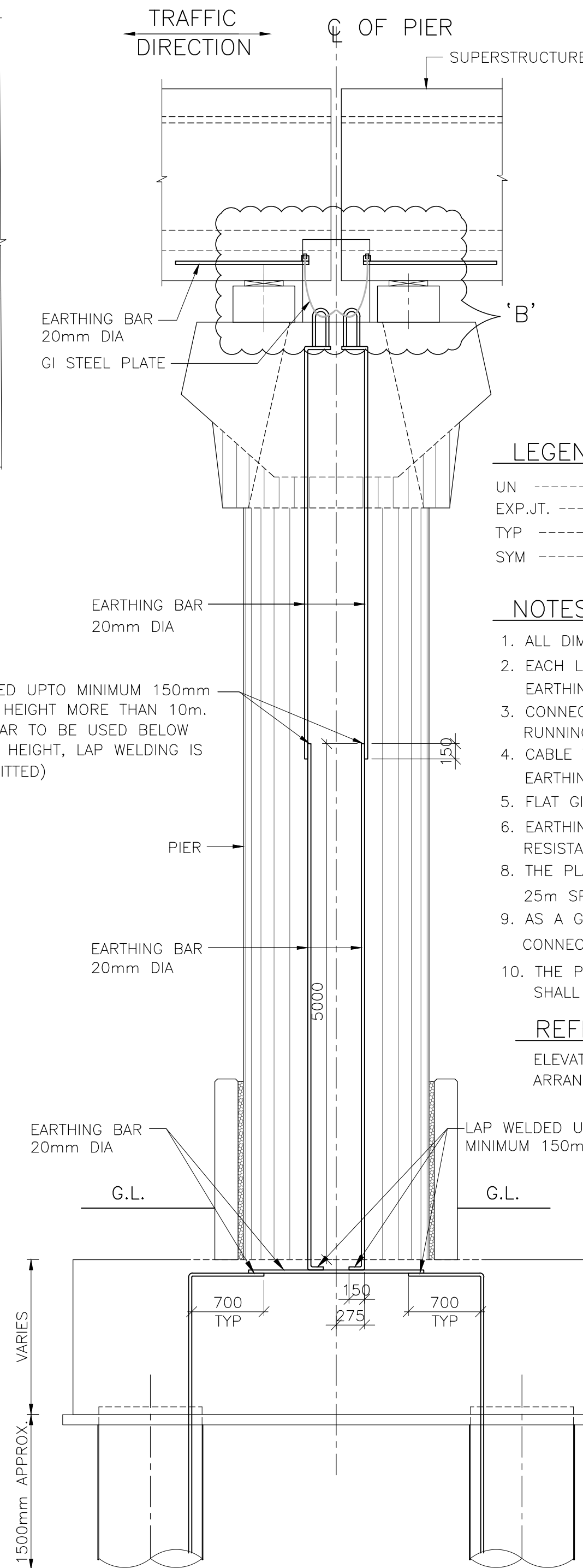


DETAIL 'A'

1:20



PLAN  
1:40



SECTION 2-2  
1:40

LEGEND :

UN -----	UNLESS NOTED
EXP.JT. -----	EXPANSION JOINT
TYP -----	TYPICAL
SYM -----	SYMMETRY

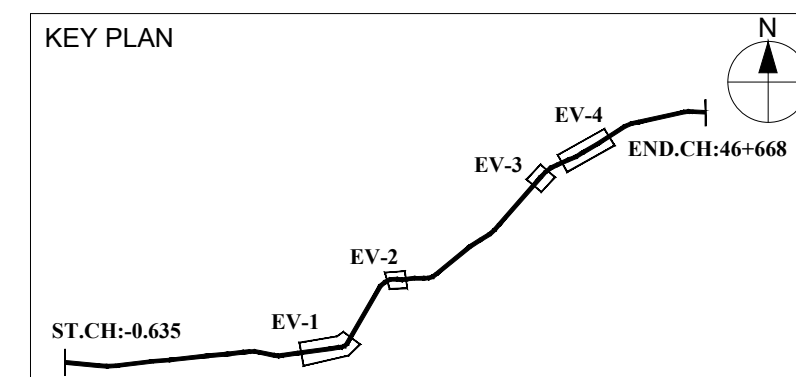
NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS ARE IN METERS.
2. EACH LONGITUDINAL EARTHING BAR SHALL BE CONNECTED TO SUBSTRUCTURE EARTHING SYSTEM AT BOTH ENDS OF THE BAR.
3. CONNECTION OF EARTHING BAR TO BEC (BURIED EARTHING CABLE RUNNING IN CABLE TRAY) SHALL BE MADE AT EVERY 120m LENGTH (MAXIMUM).
4. CABLE TRAY ARRANGEMENT AND LOCATION OF BEC (BURIED EARTHING CABLE) ARE INDICATIVE ONLY.
5. FLAT GI STEEL PLATE CONNECTING EARTH PLATES SHALL BE MADE OF 400mm.
6. EARTHING REBARS SHALL NOT BE CONSIDERED WHILE CHECKING STRUCTURAL RESISTANCE OF THE SUPERSTRUCTURE.
8. THE PLAN VIEW ABOVE SHOWS TYPICAL EARTHING SCHEME FOR 4 SUCCESSIVE 25m SPANS. SAME ARRANGEMENT SHALL BE REPEATED FOR NEXT FOUR SPANS.
9. AS A GENERAL PRINCIPAL ALL METALLIC STRUCTURES SHALL BE ELECTRICALLY CONNECTED (WELEDED) TOGETHER TO THE EARTHING SYSTEM ENDING IN GROUND.
10. THE PROPOSED EARTHING SCHEME IS INDICATIVE ONLY AND THE CONTRACTOR SHALL PROPOSE ITS OWN PRINCIPAL IN SHOP DRAWING.

REFERENCE DWG. (LATEST REVISIONS)

ELEVATED VIADUCT EARTHING ----- KRIDE/BSRP/C2/TD  
ARRANGEMENT- U-GIRDER SPANS

THE EARTHING BAR SHOULD BE WELDED TO THE TRACK  
PLINTH REINFORCEMENT & TO THE U GIRDER REINFORCEMENT



REVISIONS		
R0	04.01.2025	
REV	DATE	BRIEF DESCRIPTION

EMPLOYER :

 RAIL INFRASTRUCTURE  
DEVELOPMENT COMPANY  
(KARNATAKA) LIMITED

GENERAL CONSULTANTS :

   AECOM-EGIS-WSP

PROJECT: **BENGALURU SUBURBAN RAILWAY PROJECT (BSRP)**  
**K-RIDE CORRIDOR - 4**

DRAWING TITLE :

C4 PACKAGE : EARTHING ARRANGEMENT- U-GIRDER SPANS

DRAWING NO. : SDPL-1012-CR4-SK-0004

SCALE : AS SHOWN		DATE :	R0	P
PRELIMINARY DWG (P), DEFINITIVE DWG (D), CONSTRUCTION DWG (C), AS BUILT DWG (B), SHOP DWG (S), MANUFACTURED DWG (M)				SHEET SIZE - A1

REVISION	DWG STATUS
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RO	P
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