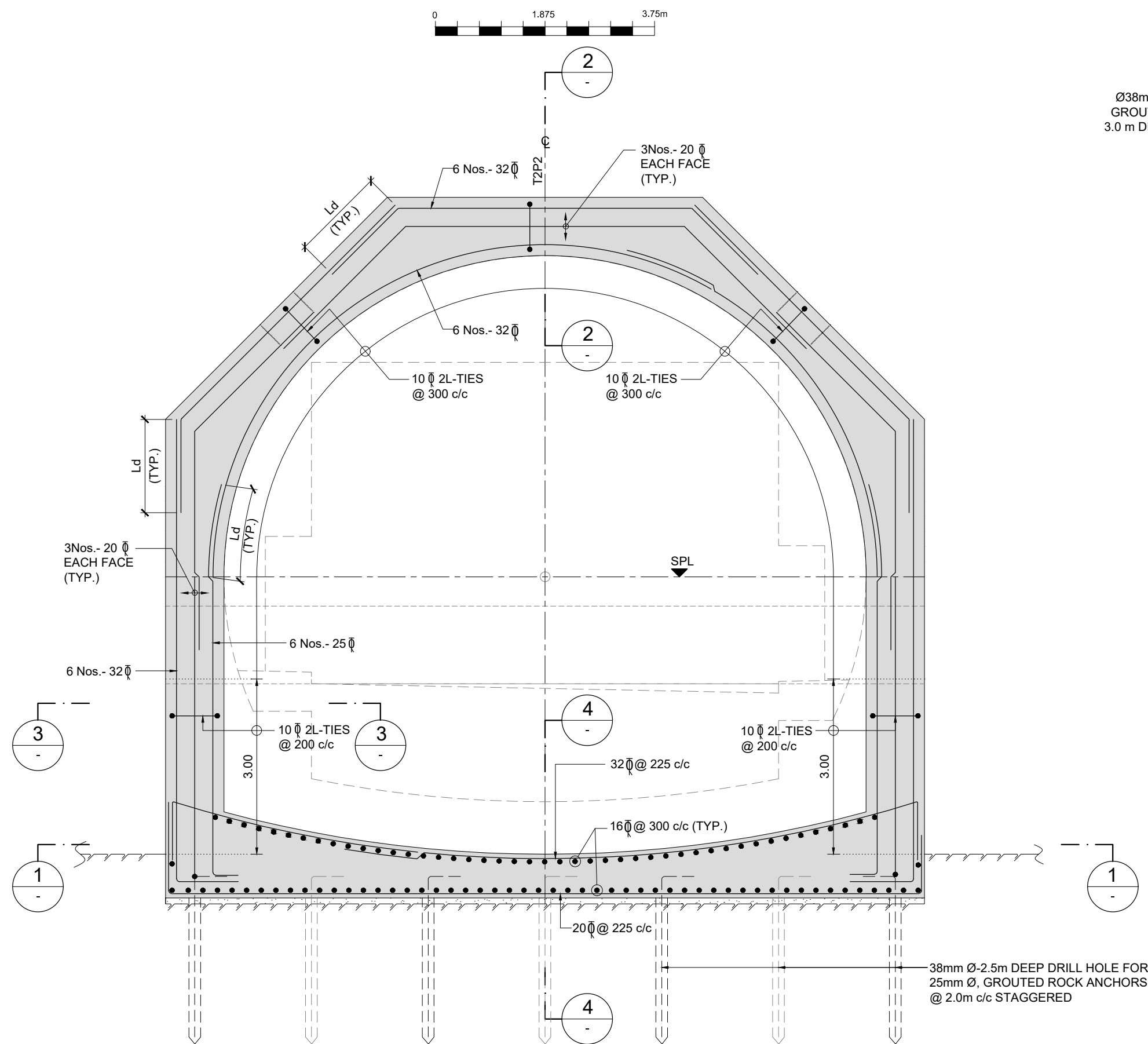
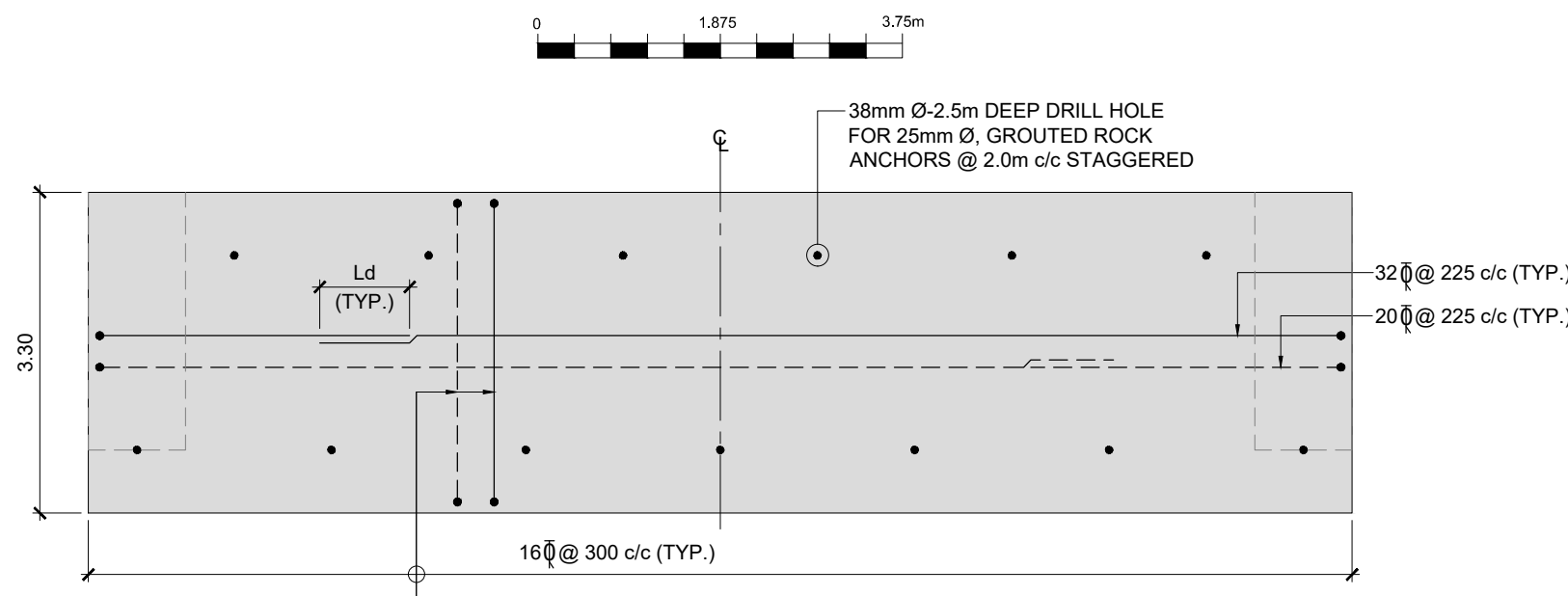


PORTAL ELEVATION

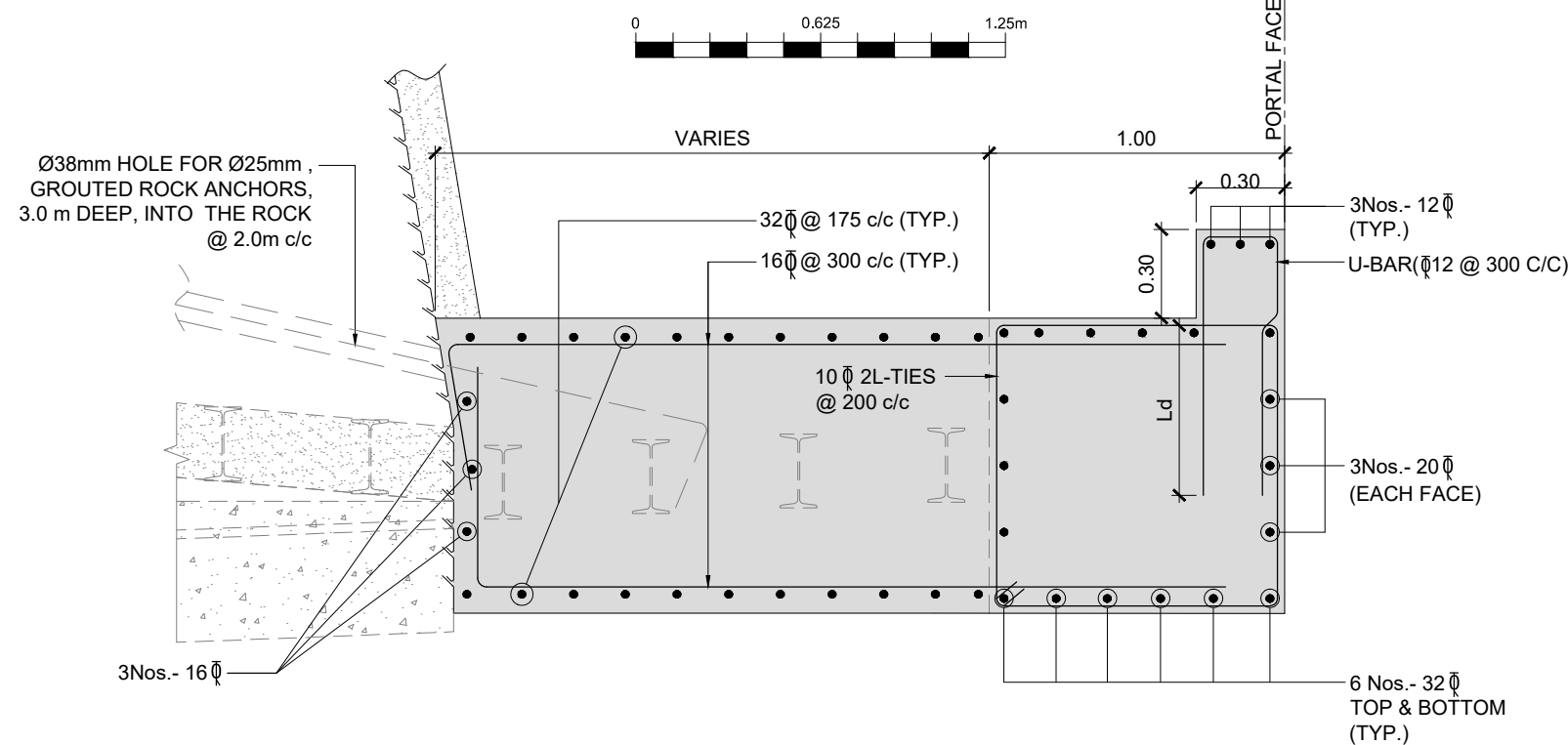
(SHOWING REINFORCEMENT)



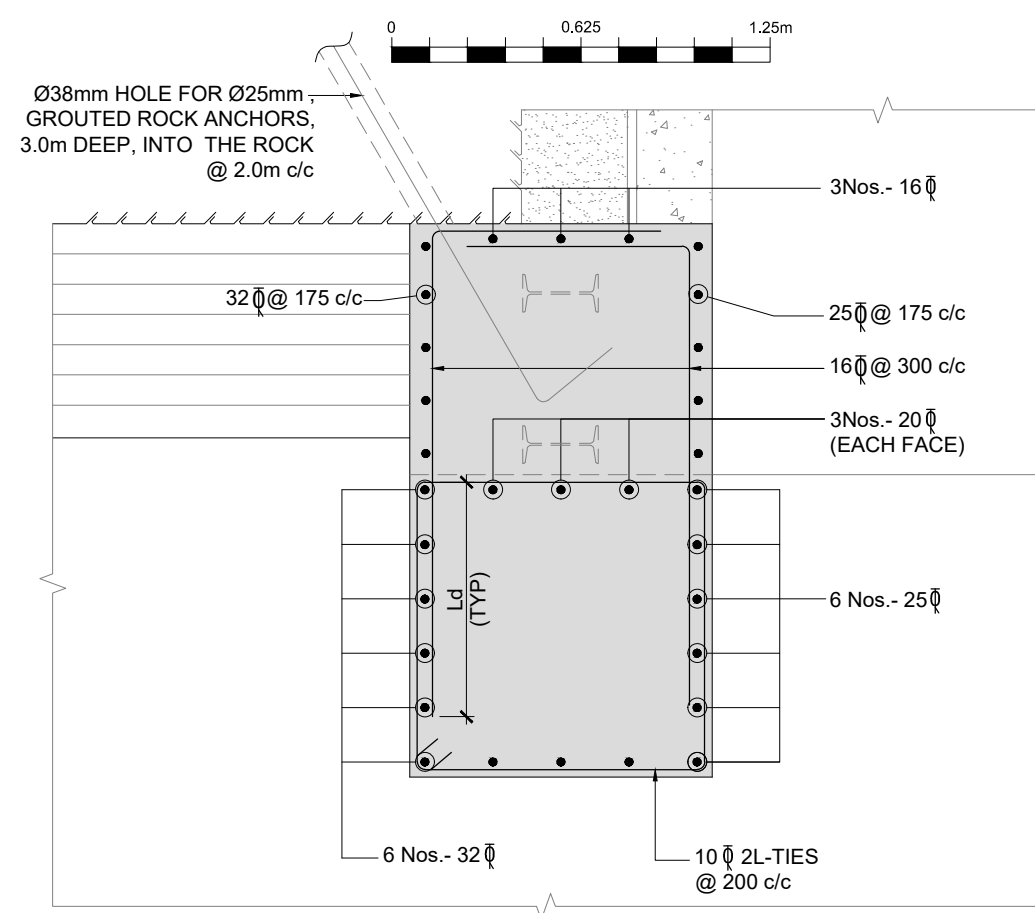
SECTION 1-1



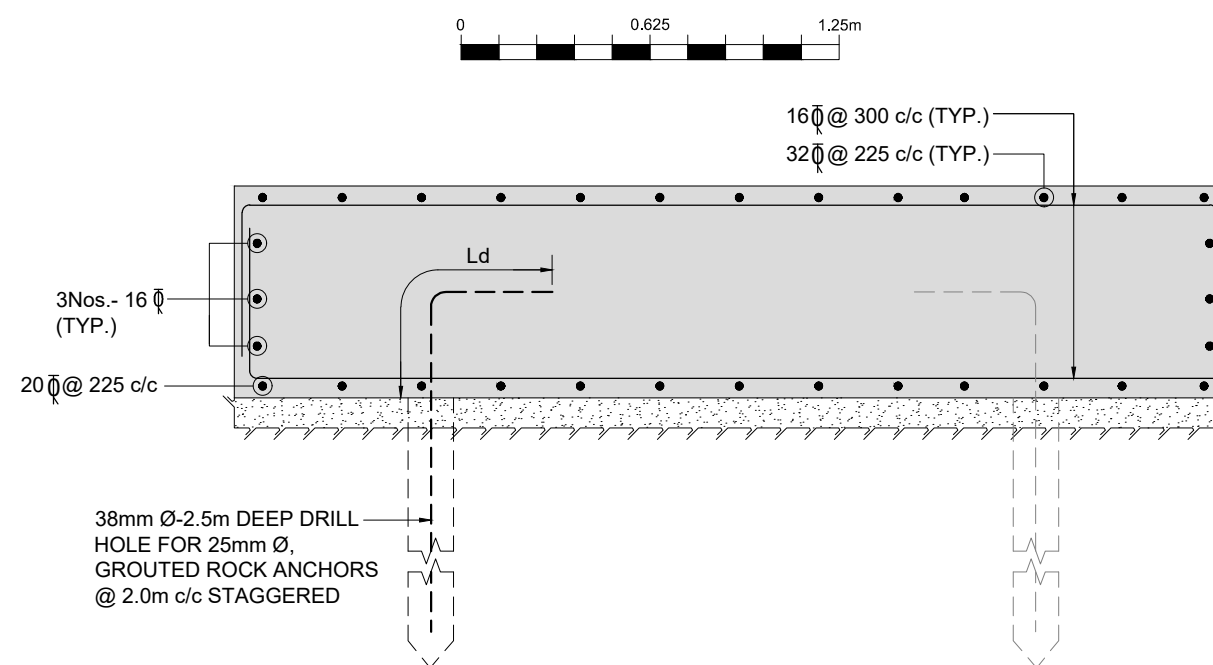
SECTION 2-2



SECTION 3-3



SECTION 4-4



REFERENCE DRAWINGS:

HEC-AIPPL/NHIDCL/KB/TUN/15


TUNNEL PORTAL
CONCRETE OUTLINE

LEGEND:

	M25-A40 CONCRETE
	TOP BAR
	BOTTOM BAR
	ROCK LINE

NOTES:

- ALL DIMENSIONS AND ELEVATIONS ARE IN METERS & DIMENSIONS FOR REINFORCEMENT ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
- REINFORCEMENT SHALL COMPRISE OF FE 500 GRADE DEFORMED BARS, CONFORMING TO IS: 1786.
- CONCRETE COVER UNLESS NOTED OTHERWISE, THE MINIMUM CLEAR DISTANCE BETWEEN THE REINFORCEMENT AND THE SURFACE OF THE CONCRETE SHALL BE 50MM.
- SPLICING OF REINFORCEMENT BARS SHALL BE STAGGERED AS PER CLAUSE 26.2.5 OF IS: 456.
- SPLICING OF REINFORCEMENT BARS SHOWN ON THE DRAWINGS IS INDICATIVE ONLY.
- WHERE SPLICES ARE NOT SHOWN ON DRAWINGS, SPLICING SHALL BE LOCATED AS FOLLOWS:
 - FOR POSITIVE (SAGGING) STEEL, ALTERNATE TENSION SPLICES AT THE LOW STRESS AREAS i.e. AT THE ONE-FIFTH OF THE SPAN LOCATION SHALL BE PROVIDED.
 - FOR NEGATIVE (HOGGING) STEEL, COMPRESSION SPLICES SHALL BE PROVIDED AT THE CENTER LINES OF SPANS WHERE CONTINUOUS REINFORCEMENT IS REQUIRED.
 - ACTUAL SPLICE LOCATIONS SHALL SUIT CONCRETE POURING LIFT SCHEDULE.
- DEVELOPMENT LENGTH LD SHALL BE 50 TIMES BAR DIAMETER.
- LOCATION OF REINFORCEMENT MAY BE LOCALLY ADJUSTED AT RIB LOCATION AS DIRECTED BY ENGINEER IN CHARGE.

				Project Title	<div>This drawing is the property of AGNITIO INFRASTRUCTURE PROJECTS PVT LTD and must not be passed on to any person or body not authorised by us to receive it nor be copied or otherwise made use of either in full or in part by such person or body without our prior permission in writing.</div> <div>Original Size: A2</div> <div>Path -</div> <div>Plotting Scale: 1:75,1:25</div>	<div>Client</div> <div></div> <div>National Highways & Infrastructure Development Corporation Ltd</div>	<div>Drawing Title: TUNNEL PORTAL REINFORCEMENT</div>				<div>CONSULTANT</div>	
				Consultancy Services for carrying out Feasibility Study, Preparation of Detailed Project Report (DPR) and providing pre-construction services in respect of 4 Laning of Kohima Bypass connecting NH-39 (New NH-02), NH-150 (New NH-02), NH-61 (New NH-29) and NH-39 (New NH-02) on Engineering, Procurement and Construction (EPC) mode in the state of Nagaland			<div>Drawing No.: HEC-AIPPL/NHIDCL/KB/TUN/14</div>		<div>Sheet : OF 45</div>	<div>HIGHWAY ENGINEERING CONSULTANT IN ASSOCIATION WITH AGNITIO INFRASTRUCTURE PROJECTS PVT LTD</div>		
							<div>Scale :- NTS</div>					
Revision	Details	Chk By	Date	Suffix				<div>Drn S.TYAGI</div>	<div>Dgn. P.MISHRA</div>	<div>Appd A.C. GARG</div>	<div>Date OCT-2018</div>	