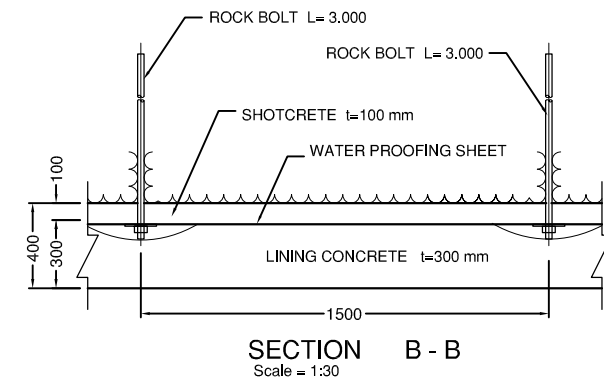
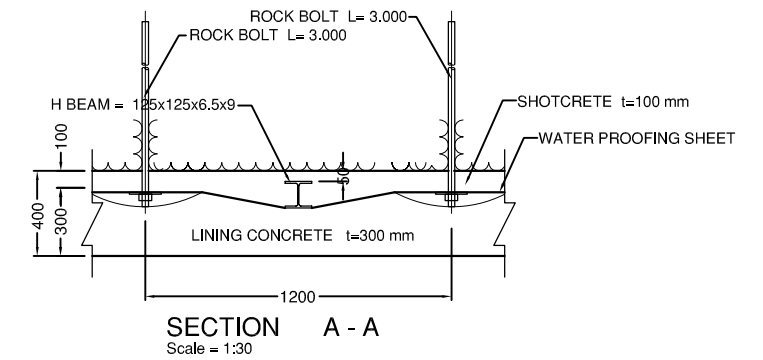
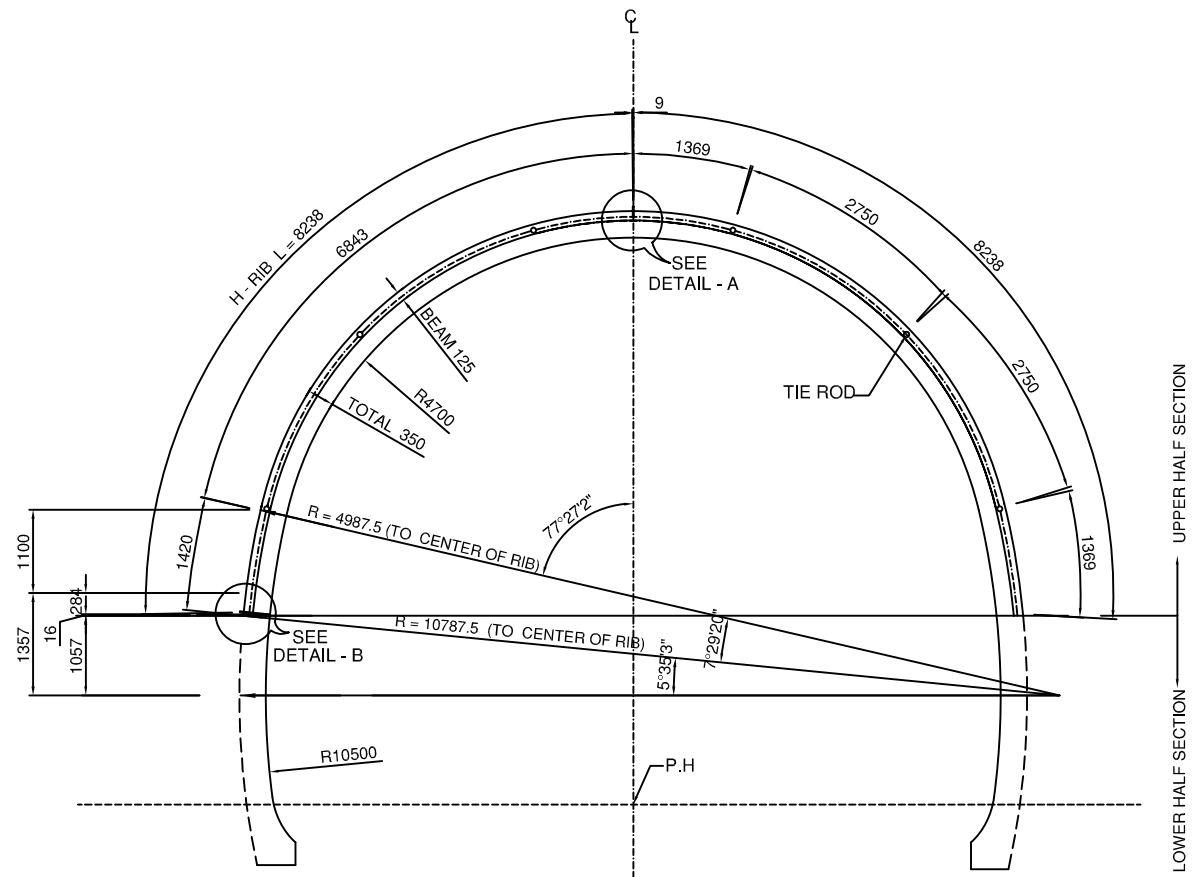


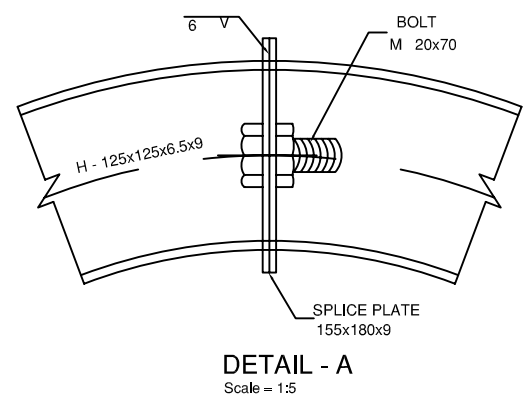
OTHER WORK OF PATTERN TYPE - C II



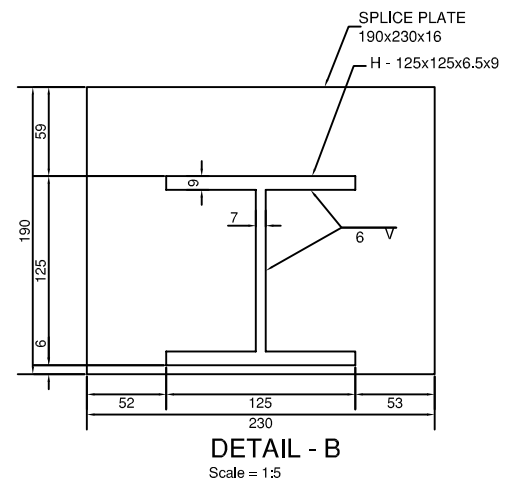
PROJECT NAME	CLIENTS	CONSULTANTS	DRAWING TITLE	SCALE	DWG NO
FEASIBILITY STUDY ON THE 2ND KOHAT TUNNEL AND ACCESS ROADS PROJECT	 GOVERNMENT OF PAKISTAN MINISTRY OF COMMUNICATIONS NATIONAL HIGHWAY AUTHORITY	 JAPAN INTERNATIONAL COOPERATION AGENCY	NIPPON KOEI CO., LTD AND ALMEC CORPORATION	1:100	T-6



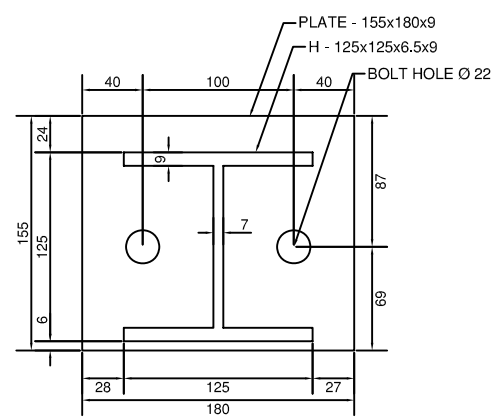
SUPPORTING PATTERN TYPE - C II
Scale = 1:100



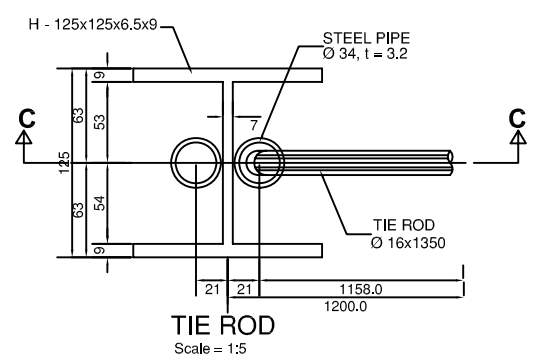
DETAIL - A
Scale = 1:5



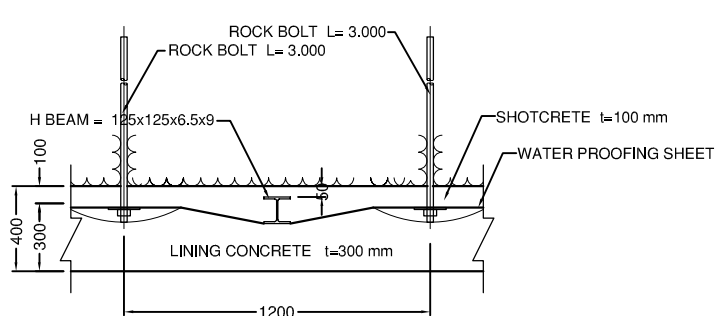
DETAIL - B
Scale = 1:5



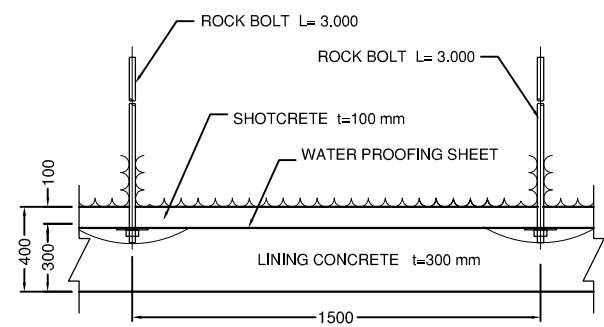
SPLICE PLATE
Scale = 1:5



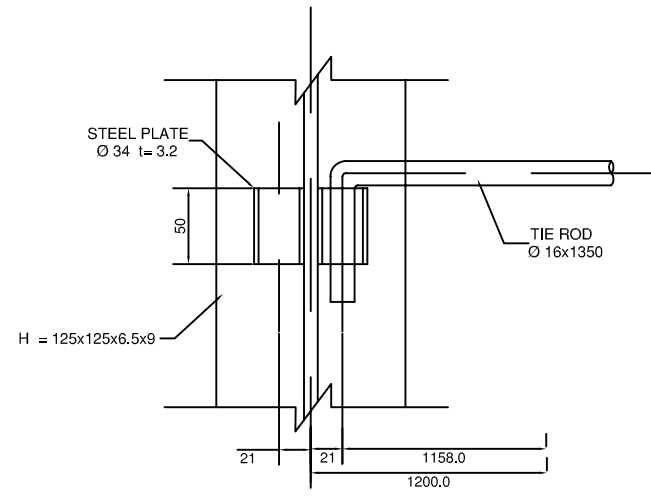
TIE ROD
Scale = 1:5



SECTION A - A
Scale = 1:30

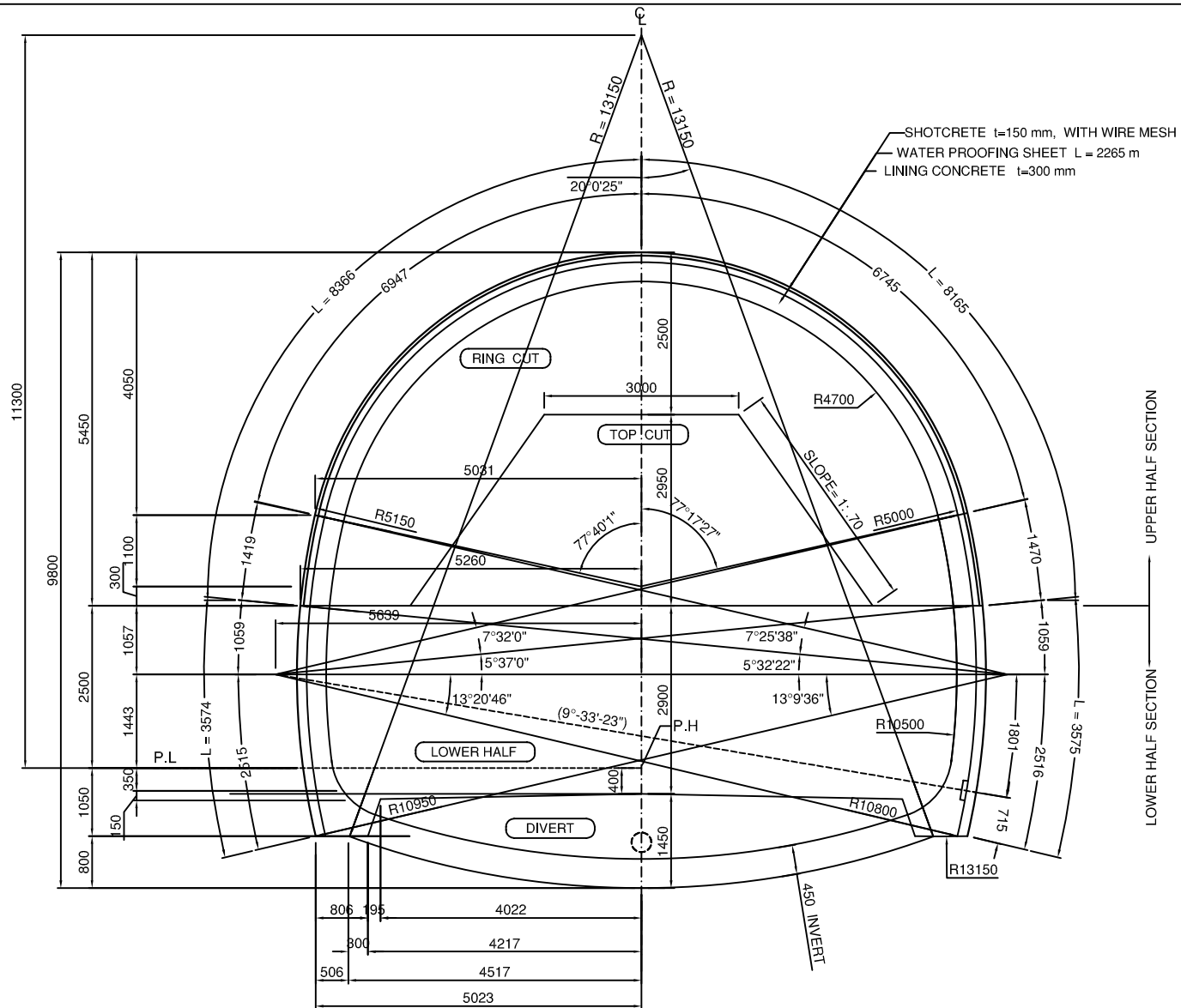


SECTION B - B
Scale = 1:30

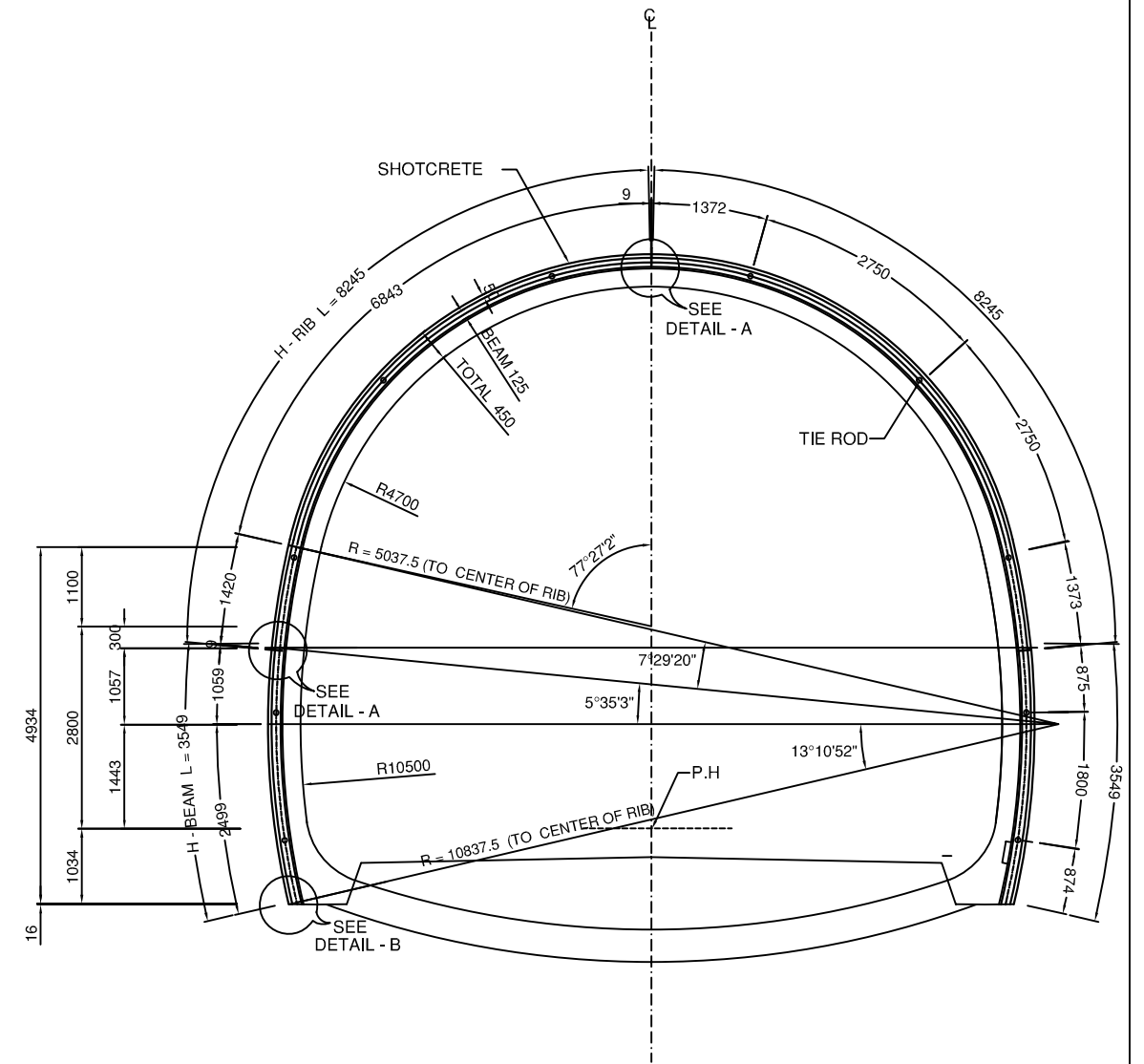


SECTION C - C
Scale = 1:5

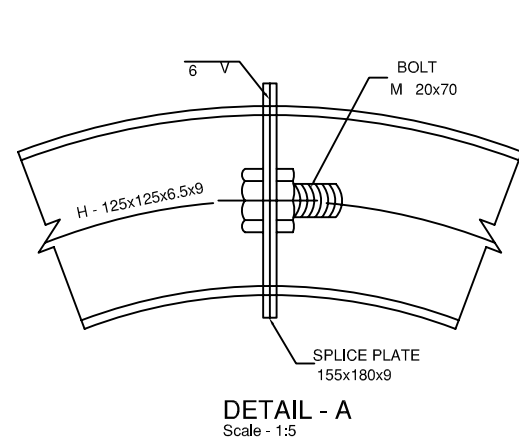
PROJECT NAME	CLIENTS		CONSULTANTS	DRAWING TITLE	SCALE	DWG NO
FEASIBILITY STUDY ON THE 2ND KOHAT TUNNEL AND ACCESS ROADS PROJECT	 GOVERNMENT OF PAKISTAN MINISTRY OF COMMUNICATIONS NATIONAL HIGHWAY AUTHORITY	 JAPAN INTERNATIONAL COOPERATION AGENCY	NIPPON KOEI CO., LTD AND ALMEC CORPORATION	OTHER WORK PATTERN C-II	AS SHOWN	T-7



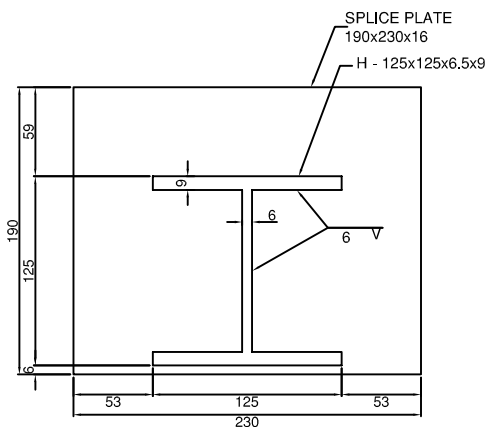
OTHER WORK OF PATTERN TYPE - D I
Scale - 1:100



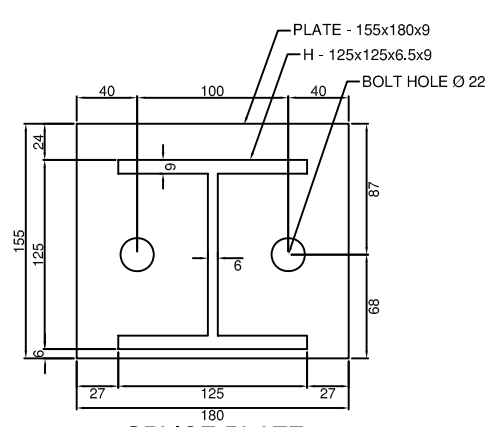
SUPPORTING PATTERN TYPE - D I
Scale - 1:100



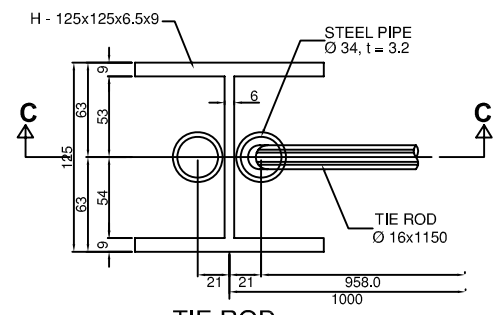
DETAIL - A
Scale - 1:5



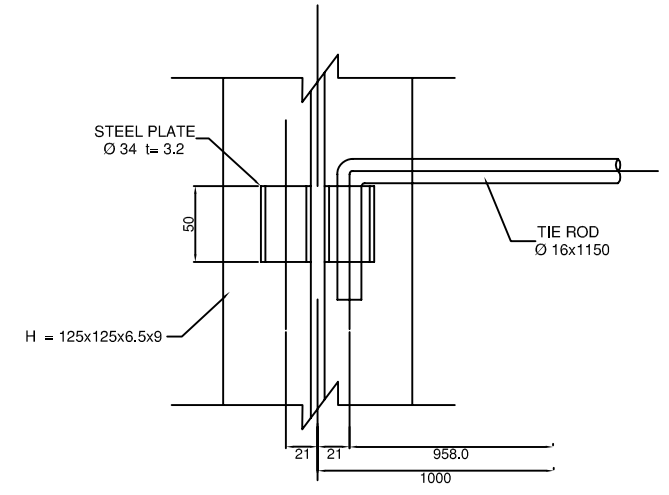
DETAIL - B
Scale - 1:5



SPLICE PLATE
Scale - 1:5

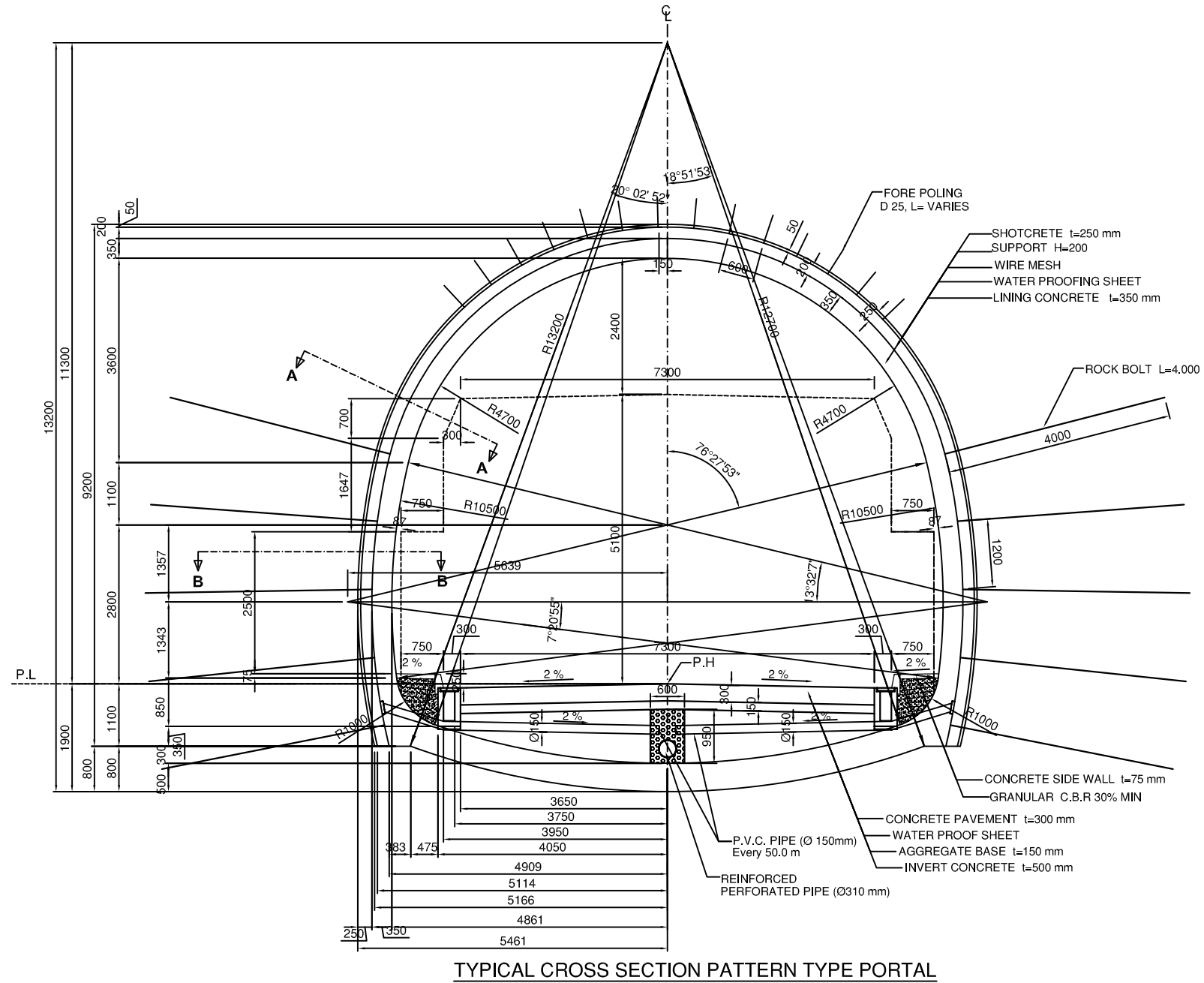


TIE ROD
Scale - 1:5

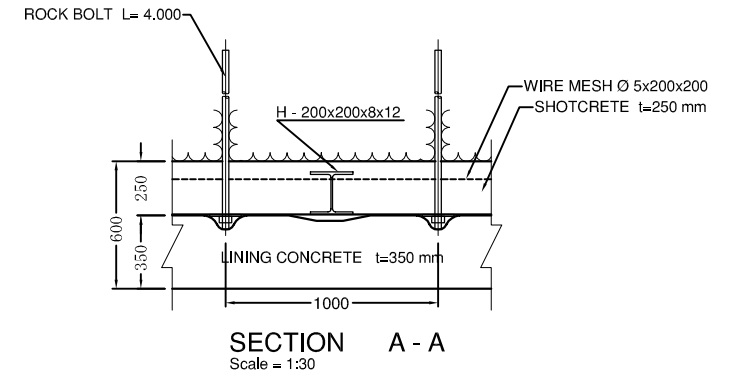


SECTION C - C
Scale - 1:5

PROJECT NAME	CLIENTS	CONSULTANTS	DRAWING TITLE	SCALE	DWG NO	
FEASIBILITY STUDY ON THE 2ND KOHAT TUNNEL AND ACCESS ROADS PROJECT	 GOVERNMENT OF PAKISTAN MINISTRY OF COMMUNICATIONS NATIONAL HIGHWAY AUTHORITY	 JAPAN INTERNATIONAL COOPERATION AGENCY	NIPPON KOEI CO., LTD AND ALMEC CORPORATION	OTHER WORK PATTERN -DI	AS SHOWN	T-9

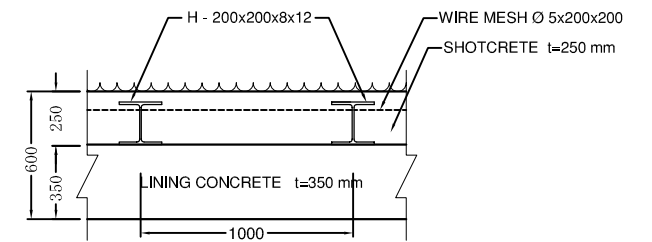


TYPICAL CROSS SECTION PATTERN TYPE PORTAL



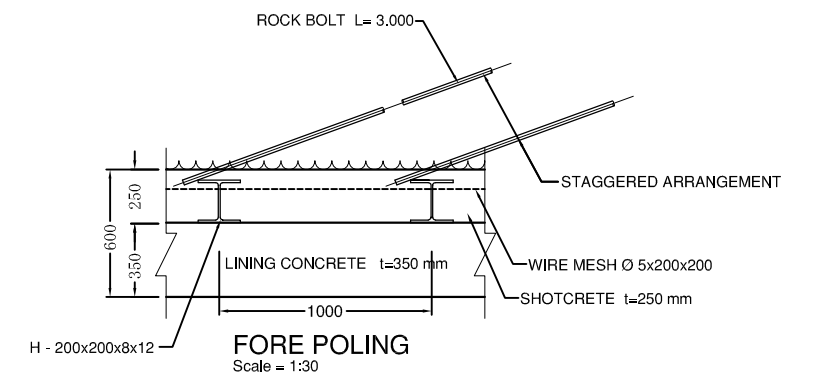
SECTION A - A

Scale = 1:30



SECTION B - B

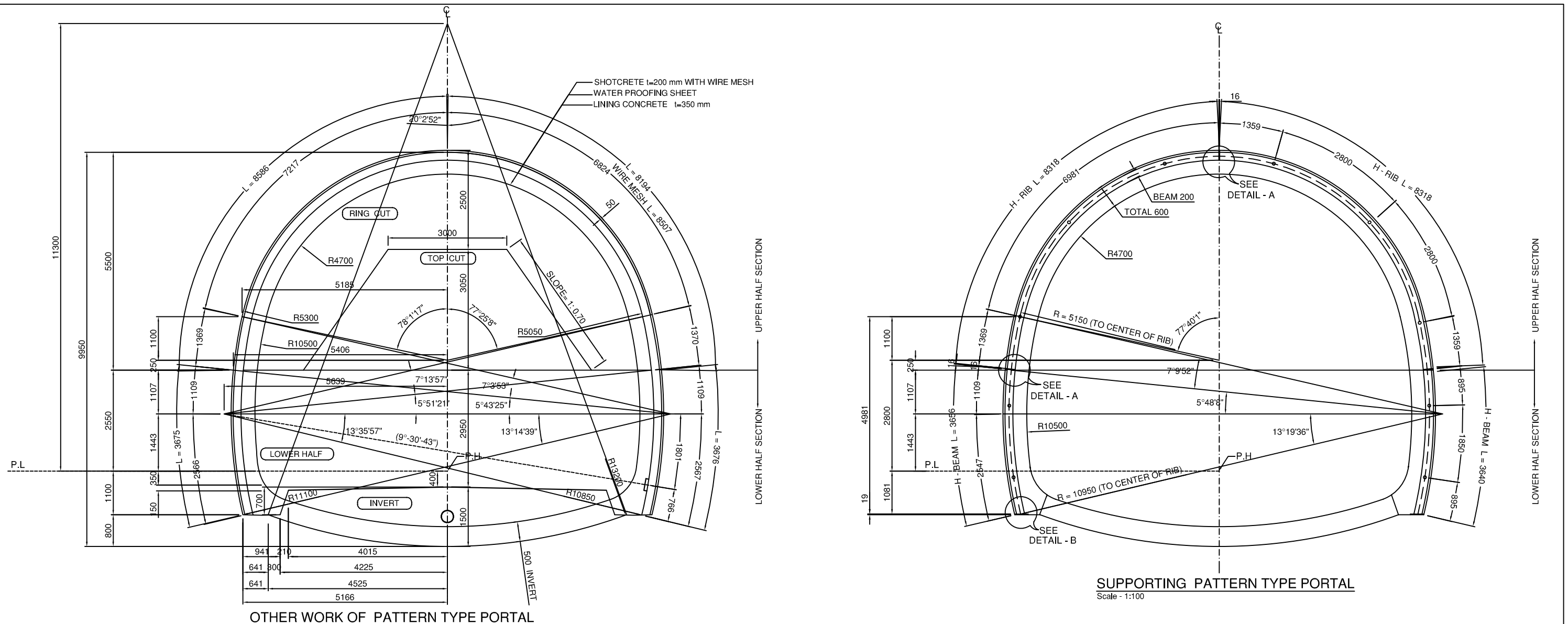
Scale = 1:30



FORE POLING

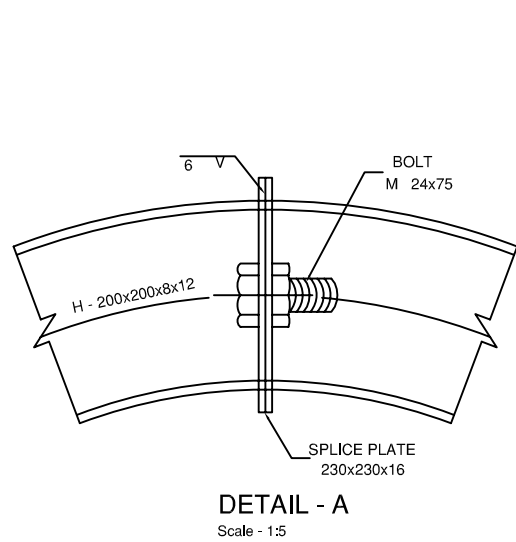
Scale = 1:30

PROJECT NAME	CLIENTS		CONSULTANTS	DRAWING TITLE	SCALE	DWG NO
FEASIBILITY STUDY ON THE 2ND KOHAT TUNNEL AND ACCESS ROADS PROJECT	 GOVERNMENT OF PAKISTAN MINISTRY OF COMMUNICATIONS NATIONAL HIGHWAY AUTHORITY	 JAPAN INTERNATIONAL COOPERATION AGENCY	NIPPON KOEI CO., LTD AND ALMEC CORPORATION	TYPICAL CROSS SECTION (PORTAL)	1:120	T-10

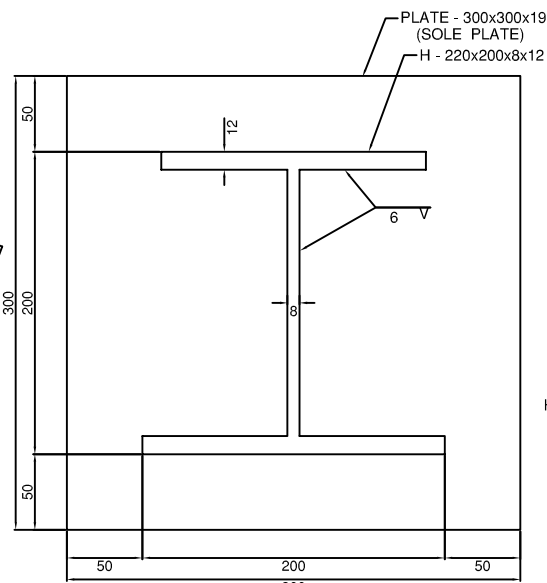


OTHER WORK OF PATTERN TYPE PORTAL

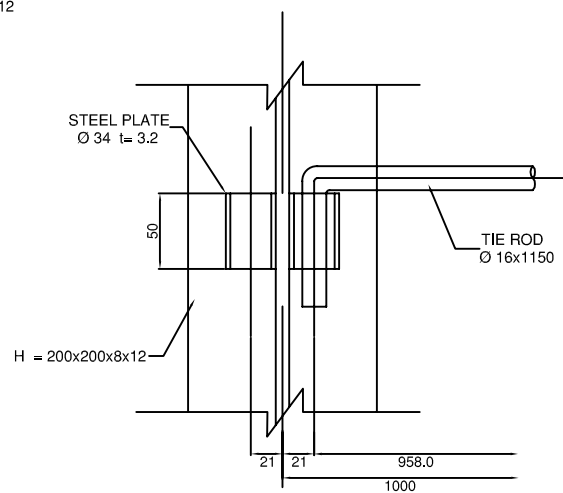
SUPPORTING PATTERN TYPE PORTAL
Scale - 1:100



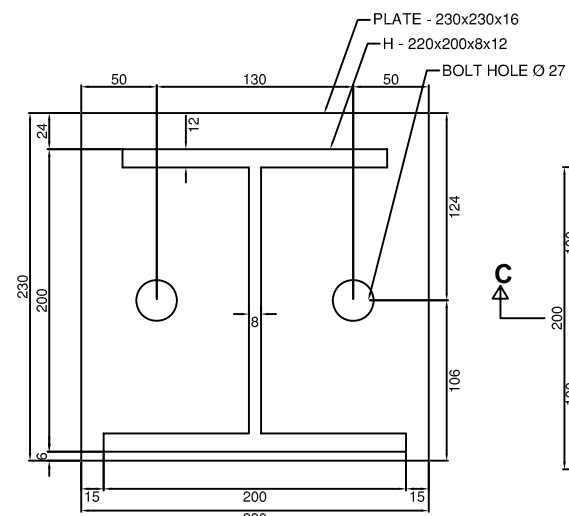
DETAIL - A
Scale - 1:5



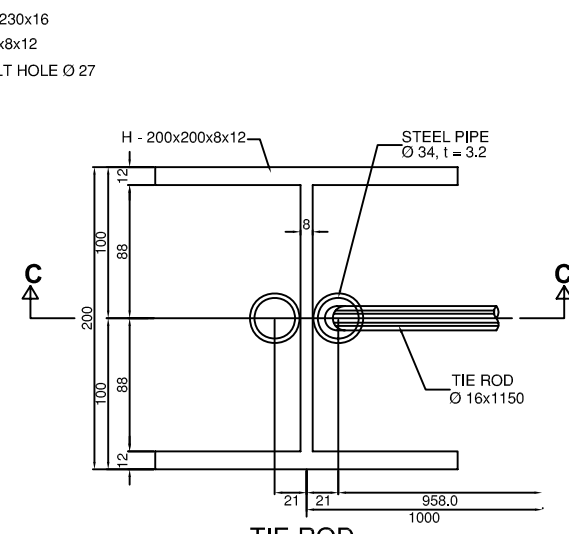
DETAIL - B
Scale - 1:5



SECTION C - C
Scale - 1:5

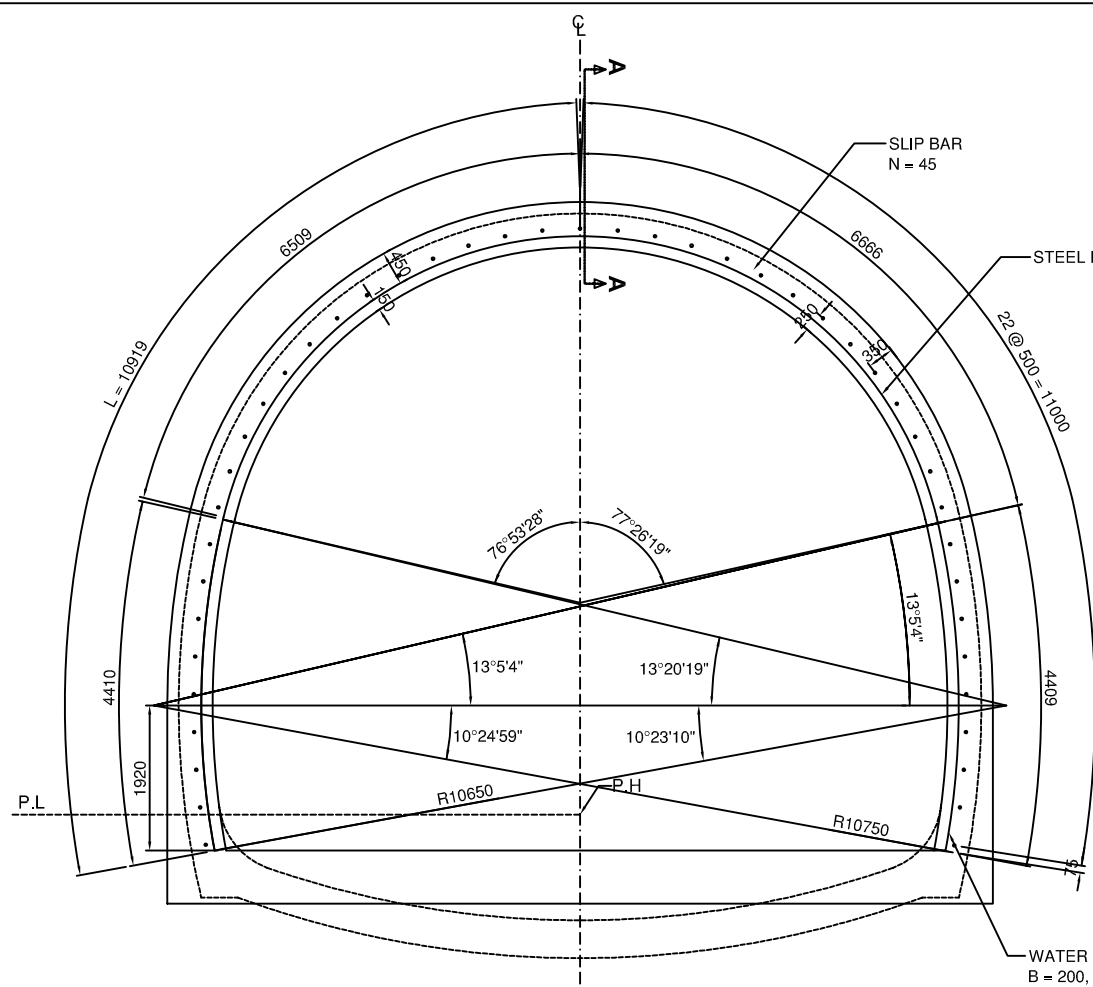


SPLICE PLATE
Scale - 1:5

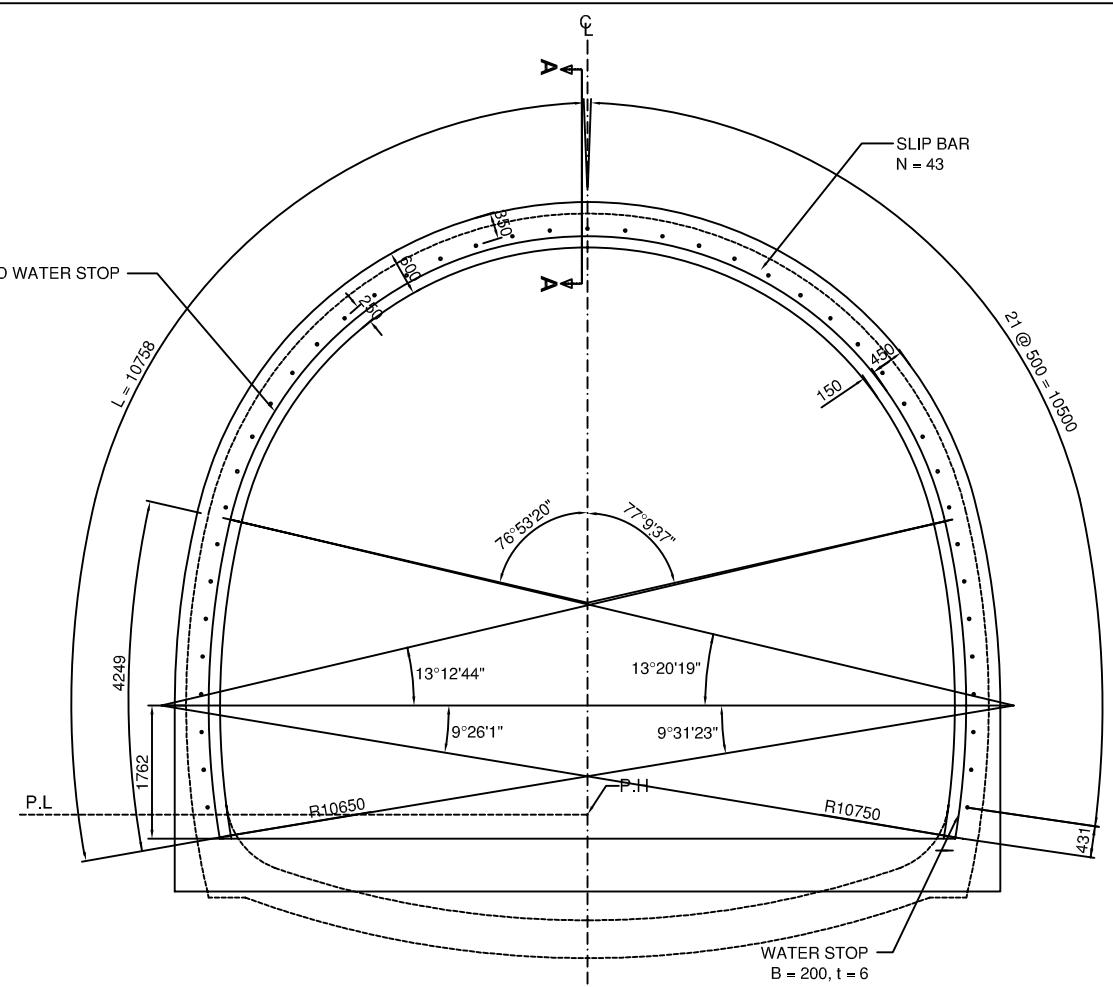


TIE ROD
Scale - 1:5

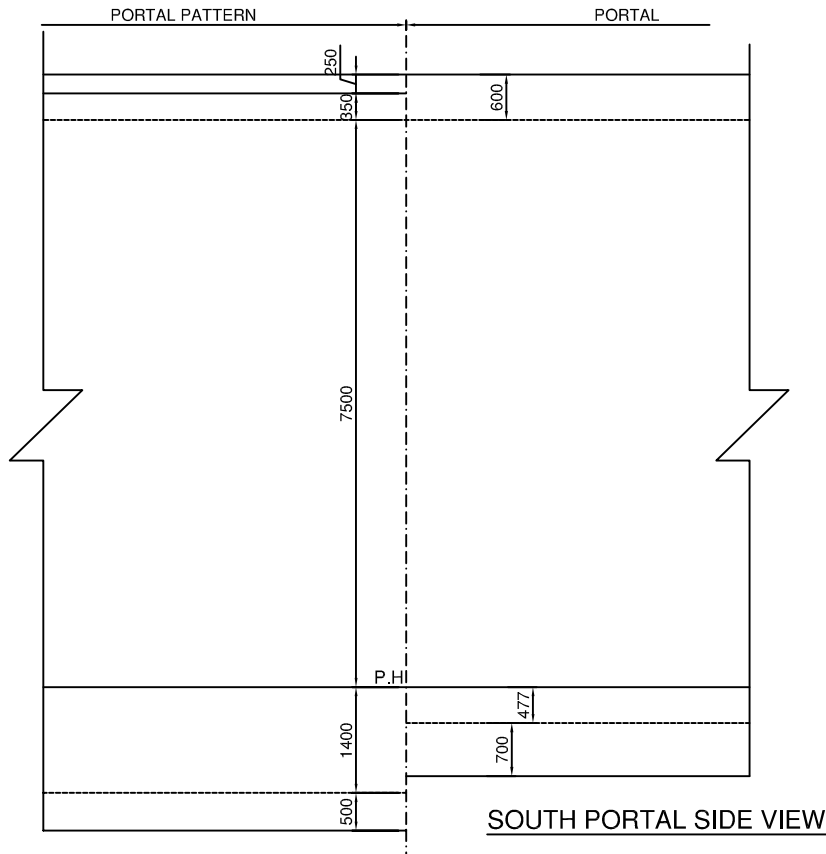
PROJECT NAME	CLIENTS	CONSULTANTS	DRAWING TITLE	SCALE	DWG NO
FEASIBILITY STUDY ON THE 2ND KOHAT TUNNEL AND ACCESS ROADS PROJECT		NIPPON KOEI CO., LTD AND ALMEC CORPORATION	OTHER WORK PORTAL	AS SHOWN	T-11



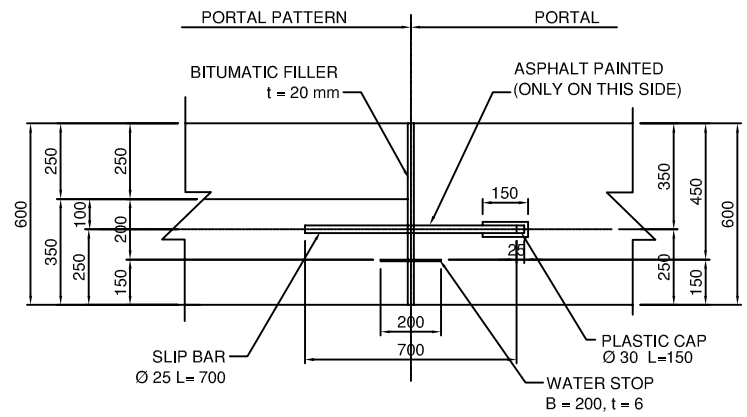
SOUTH PORTAL



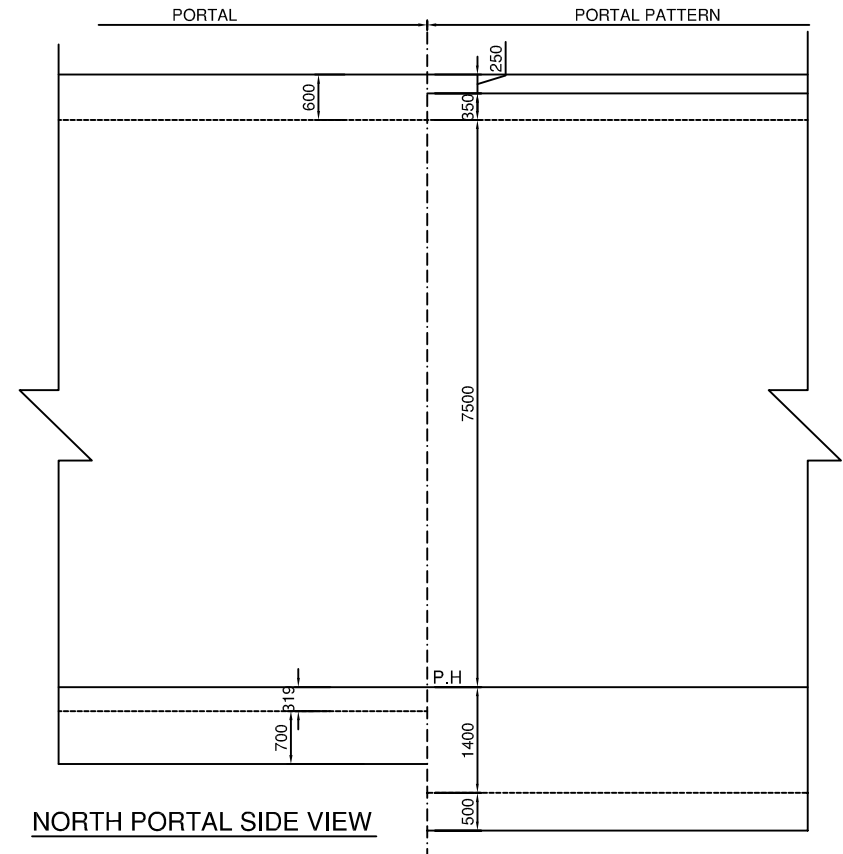
NORTH PORTAL



SOUTH PORTAL SIDE VIEW

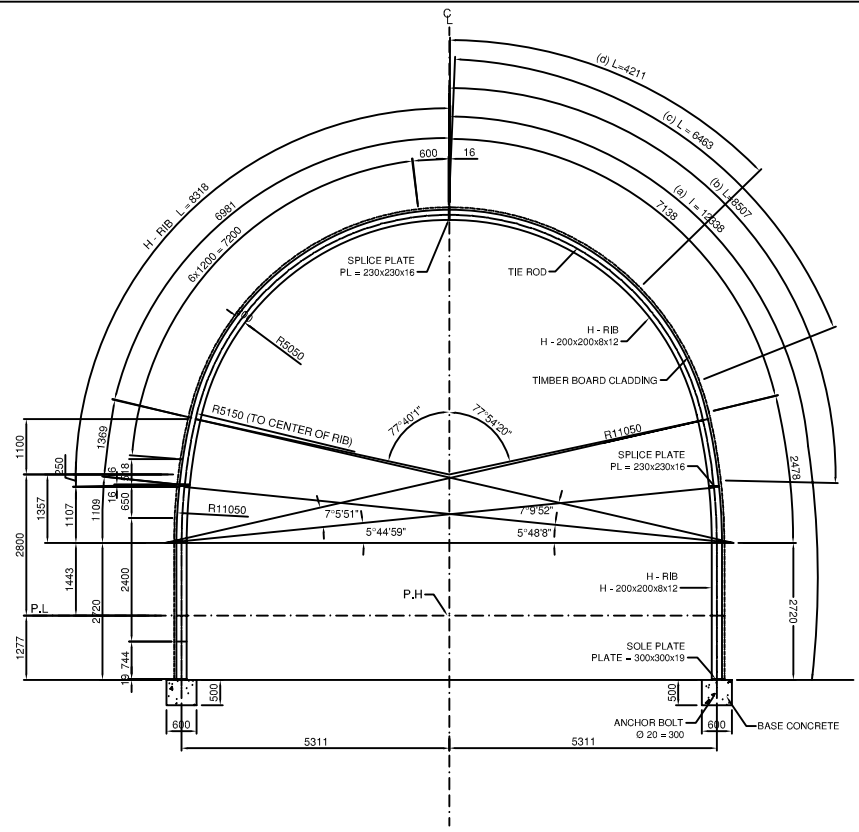


SECTION A - A
STEEL REINFORCED WATER STOPPER
Scale - 1:25

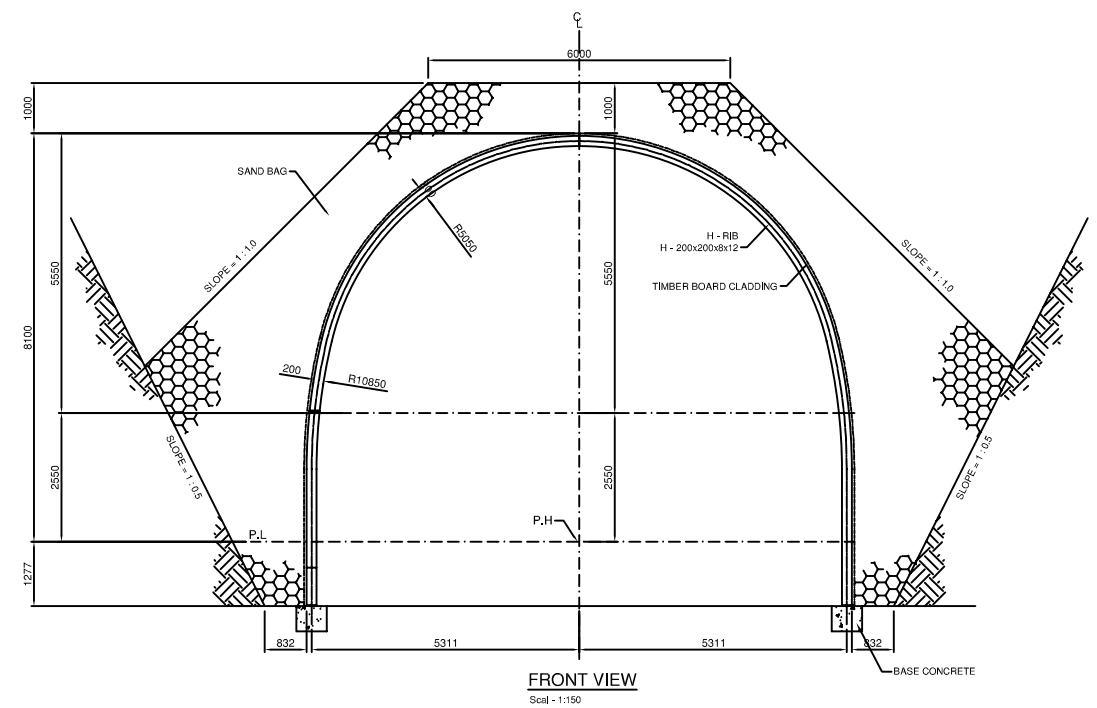


NORTH PORTAL SIDE VIEW

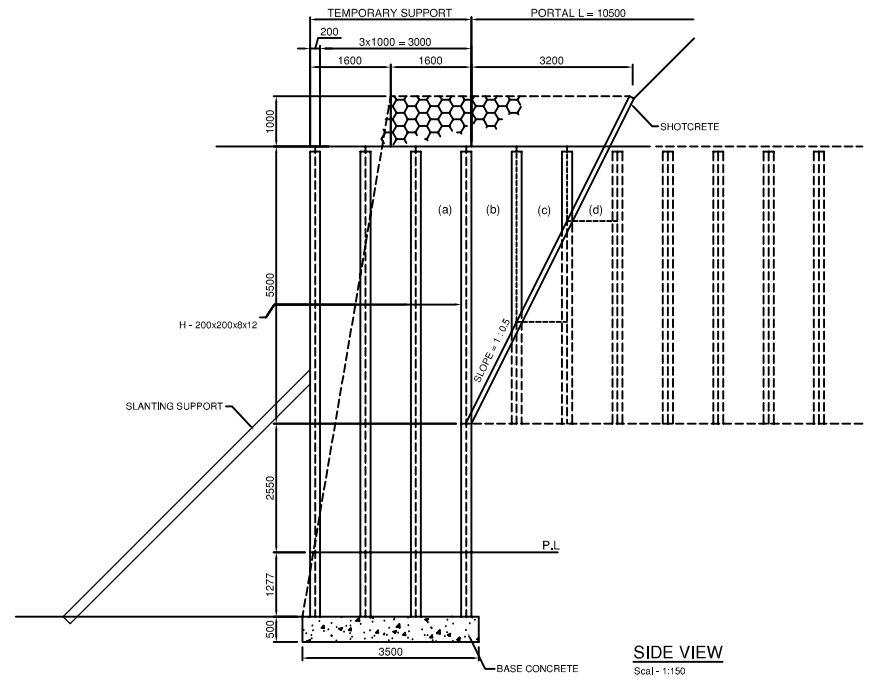
PROJECT NAME	CLIENTS	CONSULTANTS	DRAWING TITLE	SCALE	DWG NO
FEASIBILITY STUDY ON THE 2ND KOHAT TUNNEL AND ACCESS ROADS PROJECT	 GOVERNMENT OF PAKISTAN MINISTRY OF COMMUNICATIONS NATIONAL HIGHWAY AUTHORITY	 JAPAN INTERNATIONAL COOPERATION AGENCY	NIPPON KOEI CO., LTD AND ALMEC CORPORATION	1:100	T-12



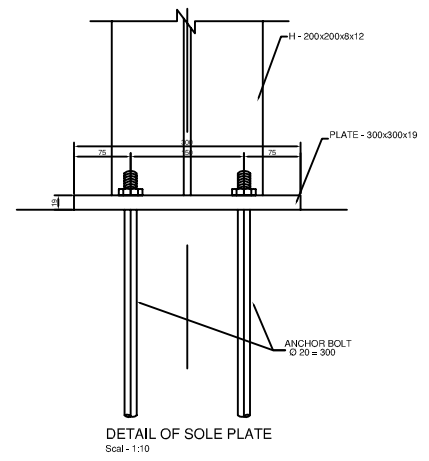
TYPICAL TEMPORARY SUPPORT SECTION
Scale - 1:150



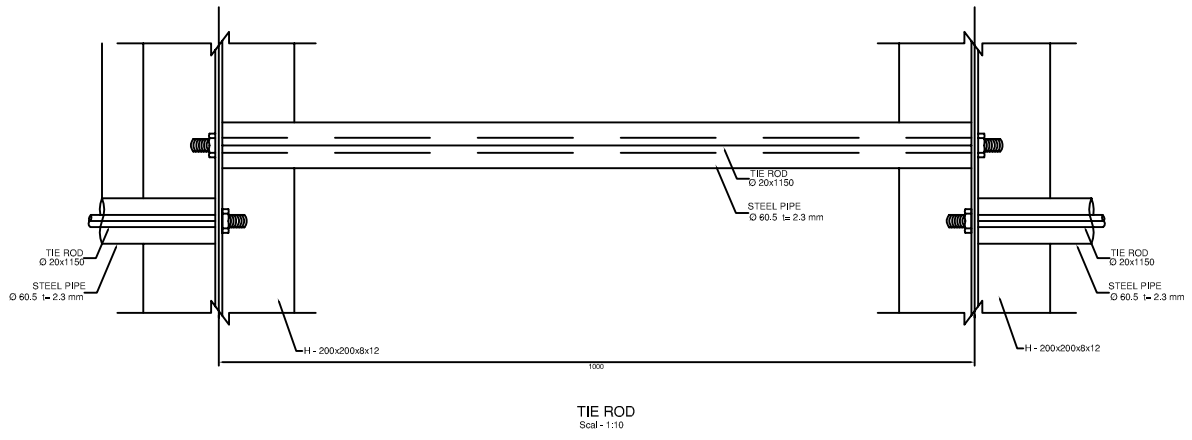
FRONT VIEW
Scale - 1:150



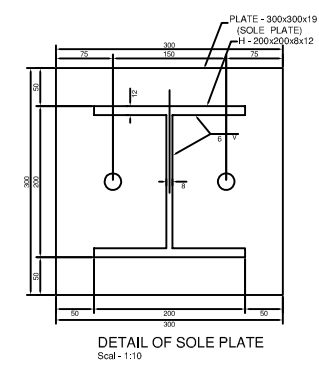
SIDE VIEW
Scale - 1:150



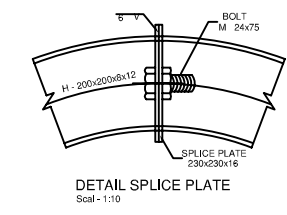
DETAIL OF SOLE PLATE
Scale - 1:10



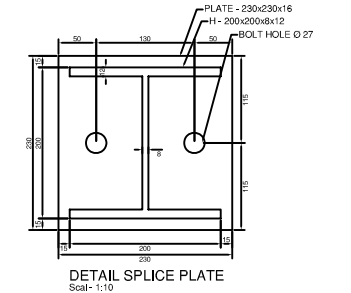
TIE ROD
Scale - 1:10



DETAIL OF SOLE PLATE
Scale - 1:10

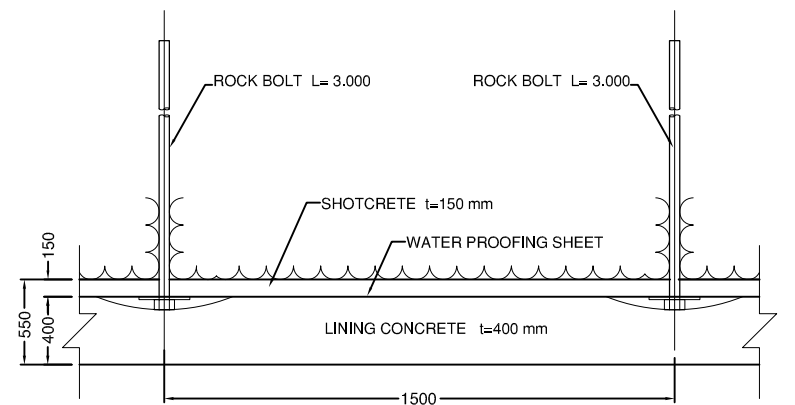
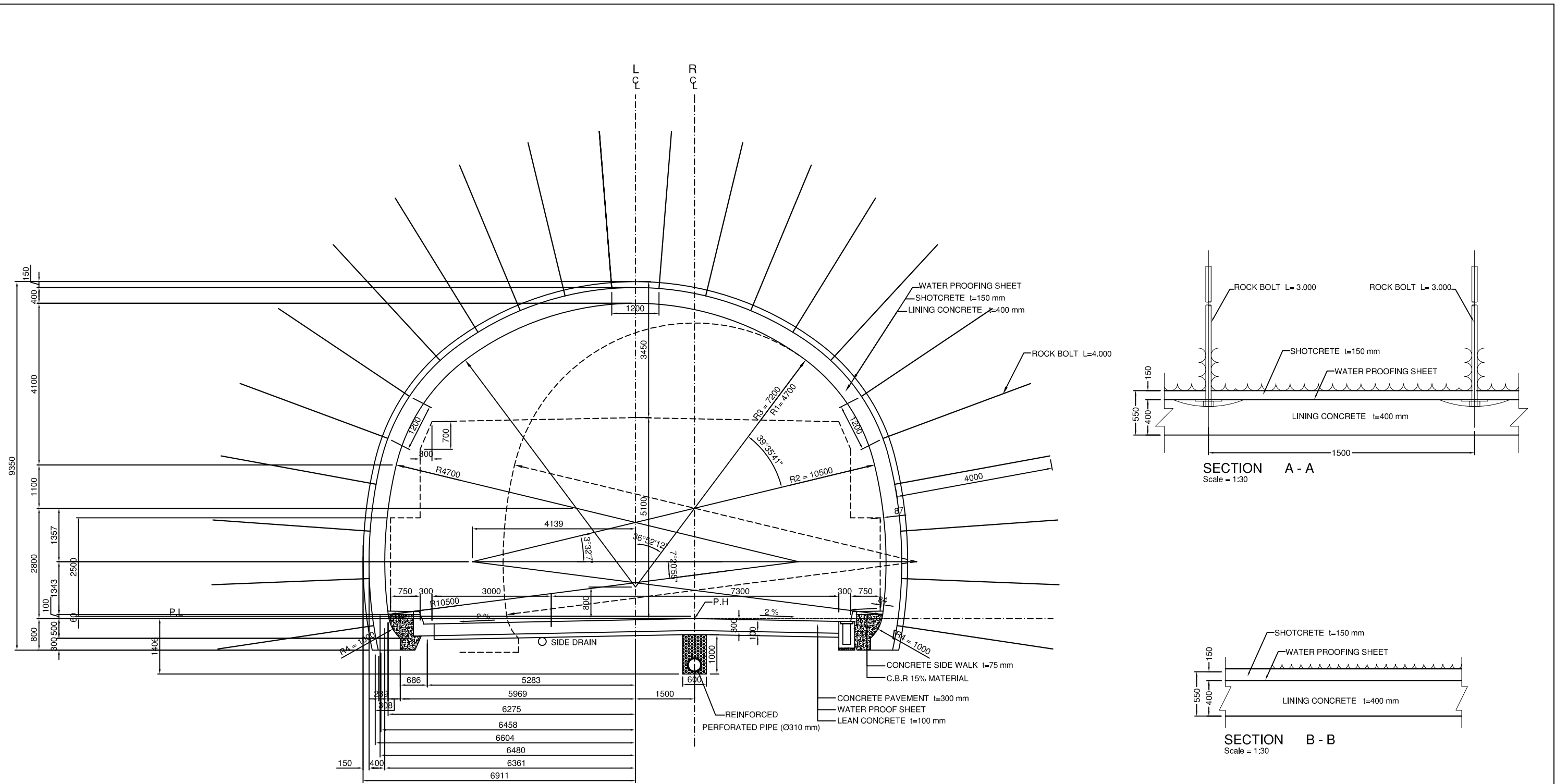


DETAIL SPLICE PLATE
Scale - 1:10

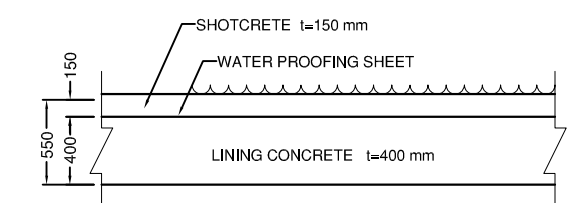


DETAIL SPLICE PLATE
Scale - 1:10

PROJECT NAME	CLIENTS	CONSULTANTS	DRAWING TITLE	SCALE	DWG NO	
FEASIBILITY STUDY ON THE 2ND KOHAT TUNNEL AND ACCESS ROADS PROJECT	 GOVERNMENT OF PAKISTAN MINISTRY OF COMMUNICATIONS NATIONAL HIGHWAY AUTHORITY	 JAPAN INTERNATIONAL COOPERATION AGENCY	NIPPON KOEI CO., LTD AND ALMEC CORPORATION	TEMPORARY SUPPORT (PORTAL)	AS SHOWN	T-13



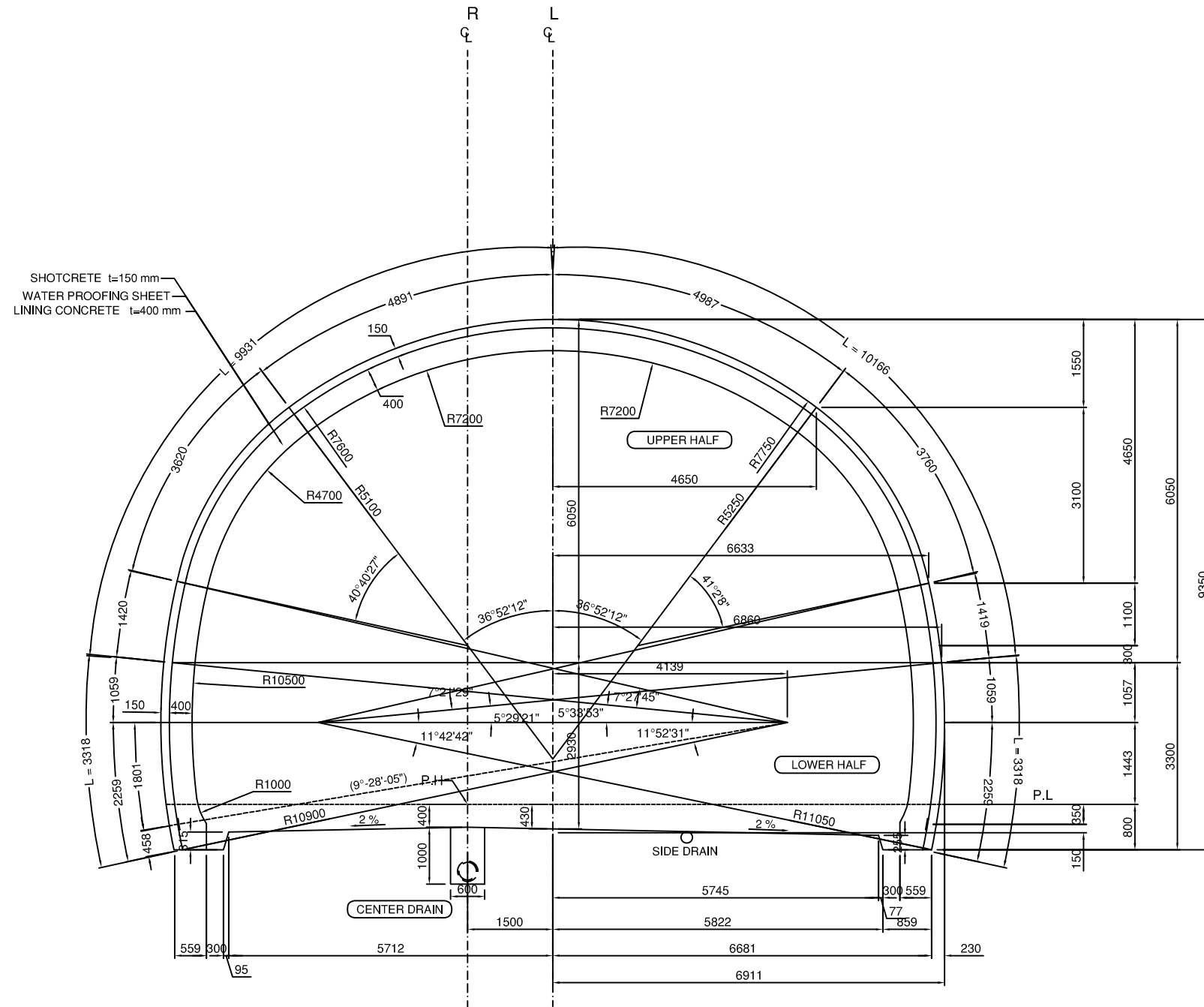
SECTION A - A
Scale = 1:30



SECTION B - B
Scale = 1:30

EMERGENCY AREA TYPICAL CROSS SECTION PATTERN

PROJECT NAME	CLIENTS		CONSULTANTS	DRAWING TITLE	SCALE	DWG NO
FEASIBILITY STUDY ON THE 2ND KOHAT TUNNEL AND ACCESS ROADS PROJECT	 GOVERNMENT OF PAKISTAN MINISTRY OF COMMUNICATIONS NATIONAL HIGHWAY AUTHORITY	 JAPAN INTERNATIONAL COOPERATION AGENCY	NIPPON KOEI CO., LTD AND ALMEC CORPORATION	TYPICAL CROSS SECTION EMERGENCY AREA	1:100	T-14



PROJECT NAME	CLIENTS		CONSULTANTS	DRAWING TITLE	SCALE	DWG NO
FEASIBILITY STUDY ON THE 2ND KOHAT TUNNEL AND ACCESS ROADS PROJECT	 GOVERNMENT OF PAKISTAN MINISTRY OF COMMUNICATIONS NATIONAL HIGHWAY AUTHORITY	 JAPAN INTERNATIONAL COOPERATION AGENCY	NIPPON KOEI CO., LTD AND ALMEC CORPORATION	OTHER WORK EMERGENCY AREA	1:100	T-15