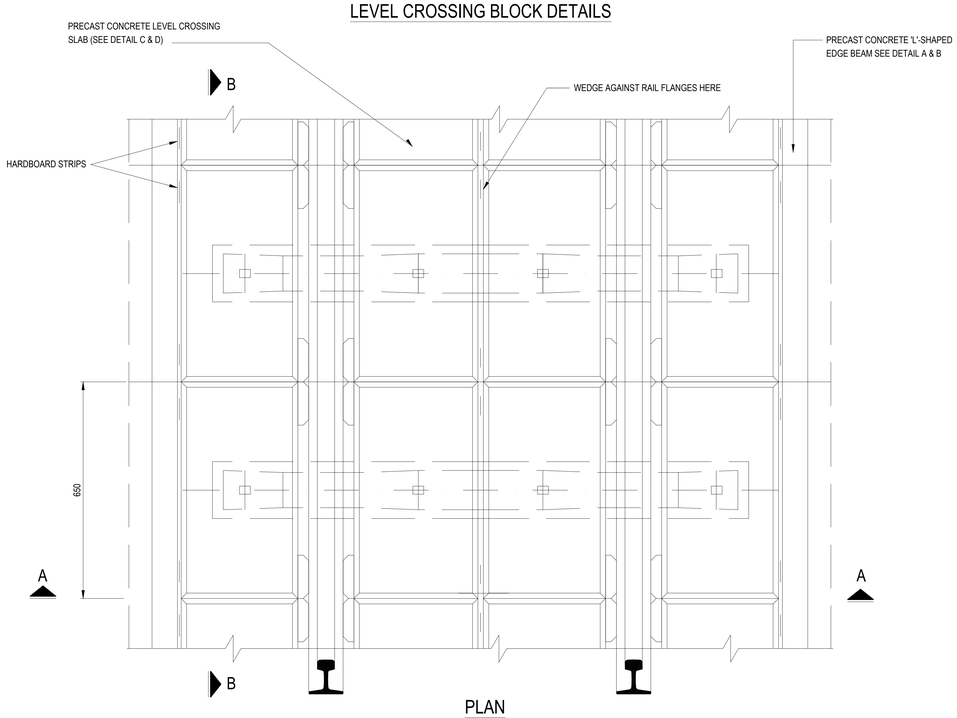
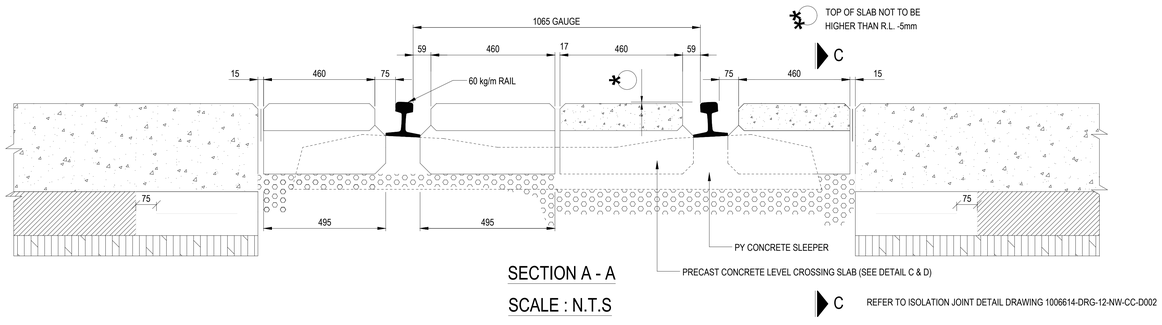
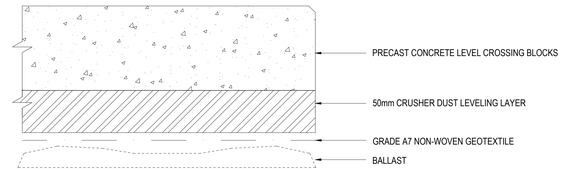
LEVEL CROSSING BLOCK DETAILS



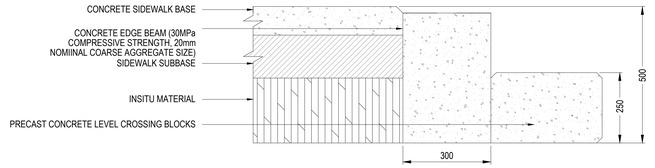
PLAN
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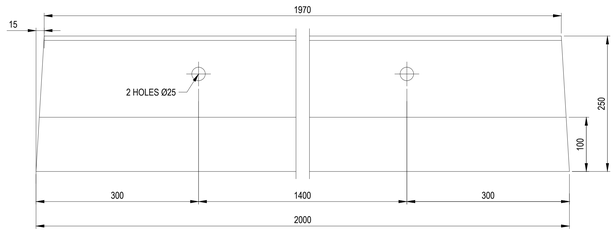
SECTION A - A
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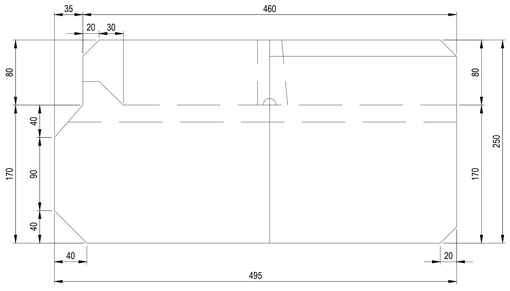
SECTION C-C
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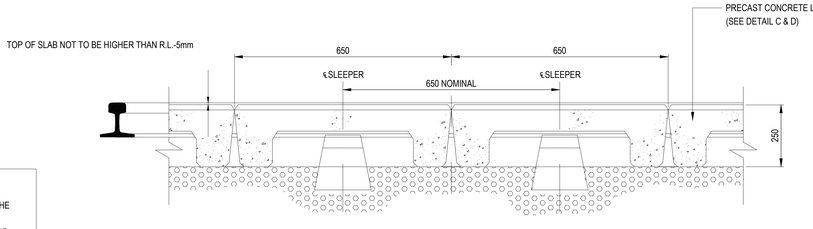
DETAIL A: SIDEWALK DETAIL
SCALE : N.T.S



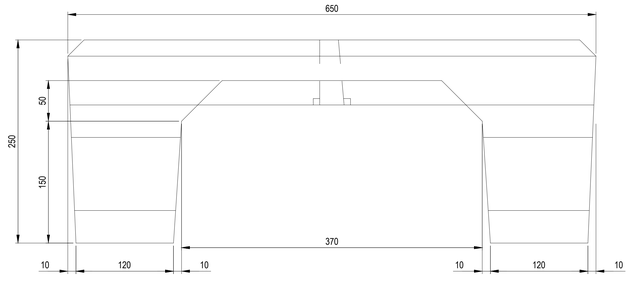
DETAIL B - PRECAST CONCRETE L SHAPED EDGE BEAM - FRONT VIEW
SCALE : N.T.S



DETAIL C - PRECAST CONCRETE LEVEL CROSSING SLAB - PARTIAL SECTION - SIDE VIEW
SCALE : N.T.S



SECTION B-B
SCALE : N.T.S



DETAIL D - PRECAST CONCRETE LEVEL CROSSING SLAB - FRONT VIEW
SCALE : N.T.S

METHOD OF INSTALLATIONS:

1. ENSURE THAT THE SLEEPER SPACING IS 800,710 OR 650. IF NOT, MAKE THE NECESSARY ADJUSTMENTS.
2. REMOVE OLD BALLAST TO 350mm BELOW THE TOP OF THE RAIL OVER THE ENTIRE ROAD CROSSING AND BACKFILL WITH NEW BALLAST OVER AN AREA BIG ENOUGH TO SUPPORT ALL BLOCKS. IT IS IMPORTANT THAT SLEEPERS AS WELL AS BLOCKS REST ON A UNIFORM BALLAST BED. (BLOCKS ARE NOT SUPPORTED BY SLEEPERS BUT BY THE TRACK BALLAST AND THEREFORE TRAFFIC LOADS ARE NOT TRANSFERRED TO THE RAIL TRACK.
3. PLACE THE BLOCKS IN POSITION AND CHECK THAT THE TOP OF EACH SLAB IS ABOUT 5mm ABOVE THE TOP OF THE RAIL. ENSURE THAT THE BLOCKS ARE FULLY SUPPORTED AND STABLE.
4. DRIVE TIMBER WEDGES BETWEEN THE TWO BLOCKS PLACED BETWEEN THE RAILS TO ENSURE THAT THE SHOULDERS OF THE BLOCKS TOUCH THE RAIL FLANGE AND ARE FIRMLY LOCATED.

NOTES

1. DO NOT SCALE DRAWING - ONLY DIMENSIONS SHOWN TO BE USED.
2. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS AND LEVELS ON THE SITE AND NOTIFY THE NEC SUPERVISOR OF ANY VARIATIONS BEFORE CONSTRUCTION.
3. ALL LEVELS ARE IN METERS TO MEAN SEA LEVEL.
4. DRAWINGS MUST BE READ IN CONJUNCTION WITH PROJECT SPECIFICATIONS AND GENERAL NOTES DRAWINGS.
5. IF APPLICABLE, DRAWINGS SHALL BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS AND ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEER.

LOCALITY



LEGEND

SYMBOL	DESCRIPTION

NO.	DESCRIPTION	BY	CHKD	APPD	DATE
E2	FOR TENDER	RR	HVDM	HVDM	18 07 25
E1	FOR TENDER	RR	HVDM	HVDM	26 06 25

REVISIONS

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ZUTARI
IMPACT. ENGINEERED.

CONTRACTOR / CONSULTANT

TITLE	NAME	SIGN	DATE
DRAWN	W. BOTES		18 07 25
CHECKED	H. VAN DER MERWE		18 07 25
DESIGNED	R. RANGE		18 07 25
CHECKED	H. VAN DER MERWE		18 07 25

PR.ENG. / PR.TECH./PR. ARCH

NAME	H. VAN DER MERWE	DATE
SIGNATURE		18 07 25
REG. NUMBER	201270065	
TITLE	Pr. TechENG	

TRANSNET NATIONAL PORTS AUTHORITY

TITLE	NAME	SIGN	DATE
DRAWN			
CHECKED			
DESIGNED			
CHECKED			

PR.ENG. / PR.TECH./PR. ARCH

NAME		DATE
SIGNATURE		
REG. NUMBER		
SCALE	N.T.S.	

TRANSNET

Transnet National Ports Authority

TRANSNET SOC Ltd : REG No. 1990/000900/30
NEWARK ROAD
RICHARDS BAY TEL: 035 788 0067
PO BOX 181, RICHARDS BAY 3900, SOUTH AFIRCA

PROJECT / AREA / ASSET / SUBJECT/DRAWING TITLE

PORT OF RICHARDS BAY

PORT ROADS REHABILITATION & UPGRADE (REPAIRS TO PORT ROADS)
RAIL CROSSING DETAIL

PAPER SIZE	TRANSNET DRW. NO.	REV.
A0	TBC	E2
	PROJECT DRG. NO.	REV.
	1006614-DRG-00-NW-CC-D001	T2