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भारत सरकार-रेल मंत्रालय  
अनुसंधान अभिकल्प और मानक संगठन,  
लखनऊ-226011  
Government of India-Ministry of Railways  
Research Designs & Standards Organisation  
Lucknow-226011

No. CT/SD/REV/BG/MG

Date: 11.9.2007

21

Addressed to:-

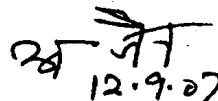
The General Manager (Engg.) of all Indian Railways and others  
( As per list attached 'A' )

Sub: Addendum & Corrigendum Slip no.3 & Errata to the Indian Railways  
Schedule of Dimension (BG) Revised, 2004.

The Ministry of Railways (Railway Board ) vide their letter no  
2007/CEDO/SD/0 dated 22-8-2007 have decided that the relevant Para/Item of  
Indian Railways Schedule of Dimension (BG) Revised, 2004 be amended as shown  
in the enclosed Correction Slip no.3 and Errata. Corrected diagrams based on these  
changes are also enclosed herewith.

Receipt of the letter may please be acknowledged.

DA: As above.

  
12.9.07  
(Anirudh Jain)  
Executive Director/Track  
For Director General/Track

Copy to: Executive Director/CE (G), Railway Board, Rail Bhawan, New Delhi-110 001 for  
information please.



## **INDIAN RAILWAYS SCHEDULE OF DIMENSIONS 1676 mm GAUGE (B.G.)**

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7. Insert an additional note (d) below note (c) of item no.11 CHAPTER II – STATION YARDS of SCHEDULE-I at page 14

'(d) (v) and (vi) above shall not be applicable in case of bridges.'

8. Note (b) to item no. 12 and 13 of CHAPTER II –STATION YARDS of SCHEDULE –I should be deleted and Note (a) to item no. 12 and 13 shall be read as 'Note' at page 15

9. Replace 'C=11860/R' appearing against item 22(i) to CHAPTER II-STATION YARDS of SCHEDULE-I at page 16 by following:

'C=  $GV^2/127R$

Where,

G= Gauge of track + width of rail head in mm

V= Speed in Kmph

R=Radius in m

C=Superelevation in mm'

10. Read '1956mm' in place of '1955mm' appearing against item 12 to CHAPTER IV(A)-Rolling Stock (Carriage & Wagon) of SCHEDULE-I at page 19.

11. Item No. 13 of CHAPTER IV(A)-Rolling Stock (Carriage & Wagon)) of SCHEDULE-I at page 19 shall be read as under:

'Maximum height above rail level for centers of buffers  
& CBC couplers for unloaded vehicle 1105mm'

12. Item No. 14 of CHAPTER IV(A)-Rolling Stock (Carriage & Wagon)) of SCHEDULE-I at page 19 shall be read as under:

'Minimum height above rail level for centers of buffers  
& CBC couplers when fully loaded 1030mm'

13. Read '1170mm' in place of '1082mm' and '3735mm' in place of '3380mm' appearing against item 26 to CHAPTER IV(A)-Rolling Stock (Carriage & Wagon) of SCHEDULE-I at page 21.

14. Incorporate Diagram no. 4 as enclosed in reference to item 30, page 22, first line, Chapter IV(A)- Rolling stock (Carriage & Wagon) of SCHEDULE-I.

15. Read '1956mm' in place of '1955mm' appearing against item 8to CHAPTER IV(C)- Rolling Stock (Locomotives) of SCHEDULE-I at page 25.

16. Item 9 to CHAPTER IV(C)-Rolling Stock (Locomotives) of SCHEDULE-I at page 25 shall be read as under:

'Maximum height above rail level for centers of buffers  
& CBC couplers for empty locomotive 1105mm'

## **INDIAN RAILWAYS SCHEDULE OF DIMENSIONS 1676 mm GAUGE (B.G.)**

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17. Item 10 to CHAPTER IV(C)-Rolling Stock (Locomotives) of SCHEDULE-I at page 25 shall be read as under:

**'Minimum height above rail level for centers of buffers  
& CBC couplers when fully loaded 1030mm'**

18. Insert following note below item no. 15 to CHAPTER IV( C)- Rolling Stock (Locomotives) of SCHEDULE-I on page 25

**'The dimension given in item no.15 shall not be adopted with out obtaining prior approval of Railway Board'**

19. Read '4875mm' in place of '6100mm' appearing against item 10, Chapter II, Schedule I to SCHEDULE-II at page 31

20. Additional Para no.12 is to be included in the Appendix on page no. 34

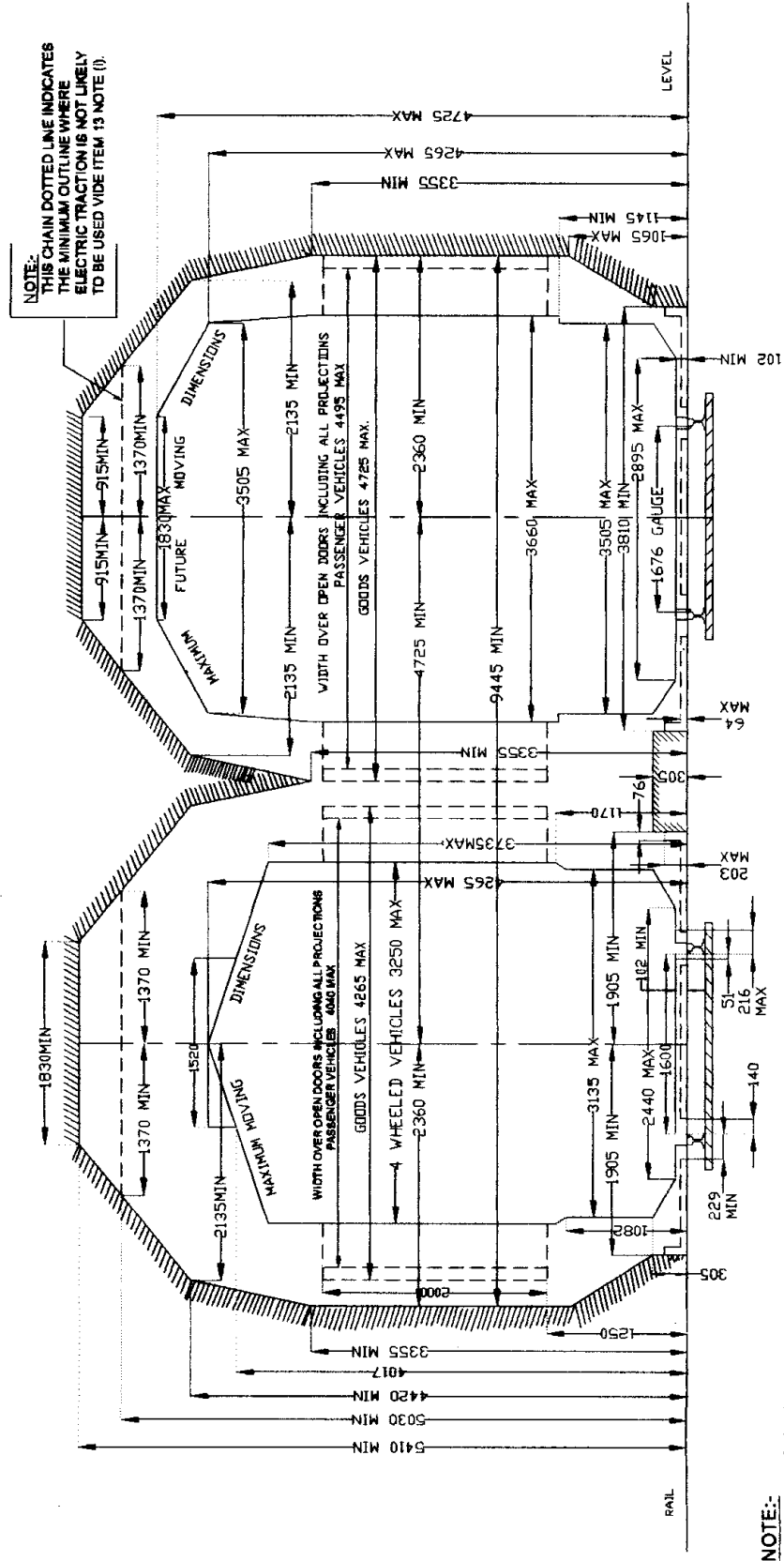
**'12. The clearances worked out (Annexure I & II) are for a vehicle 21340mm long with bogie centers 14785mm apart. For vehicles having different dimensions, the clearances can be worked out in the similar manner'.**



**DIAGRAM No. 1A**  
**1676mmGAUGE**

**STANDARD DIMENSIONS FOR TUNNELS & THROUGH GIRDER BRIDGES**  
**SCHEDULE I-CHAPTER I**

- NOTE:**
1. WHERE THE LINE IS ON A CURVE, THE HORIZONTAL DISTANCE OF ANY STRUCTURE FROM THE CENTRE OF ADJACENT TRACK AND THE DISTANCE BETWEEN CENTRES OF TRACKS ARE TO BE INCREASED ACCORDING TO THE APPENDIX.
  2. WHEN RE-SPACING EXISTING LINES, THE MINIMUM DISTANCE CENTRE TO CENTRE OF TRACKS MAY BE REDUCED FROM 4725 TO NOT LESS THAN 4495 FOR THE PURPOSE OF AVOIDING HEAVY ALTERATIONS TO TUNNELS OR THROUGH GIRDER BRIDGES. THE 4725 DIMENSION IS TO BE ADOPTED FOR ALL NEW WORKS.



**NOTE:**  
ALL DIMENSIONS ARE IN MILLIMETRES  
EXCEPT WHERE OTHERWISE SHOWN.



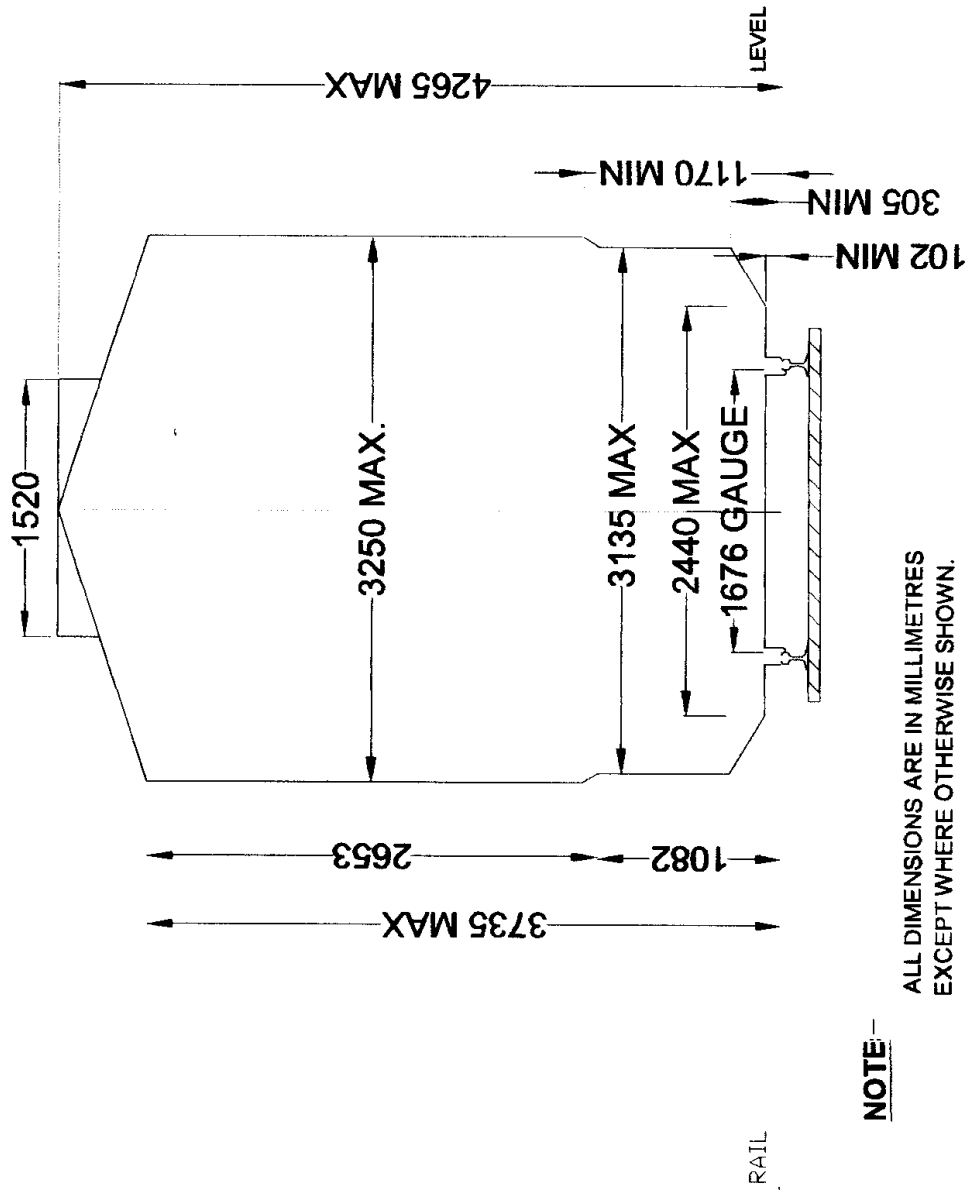






DIAGRAM No. 1D (EDO/T-2202)  
1676mm GAUGE

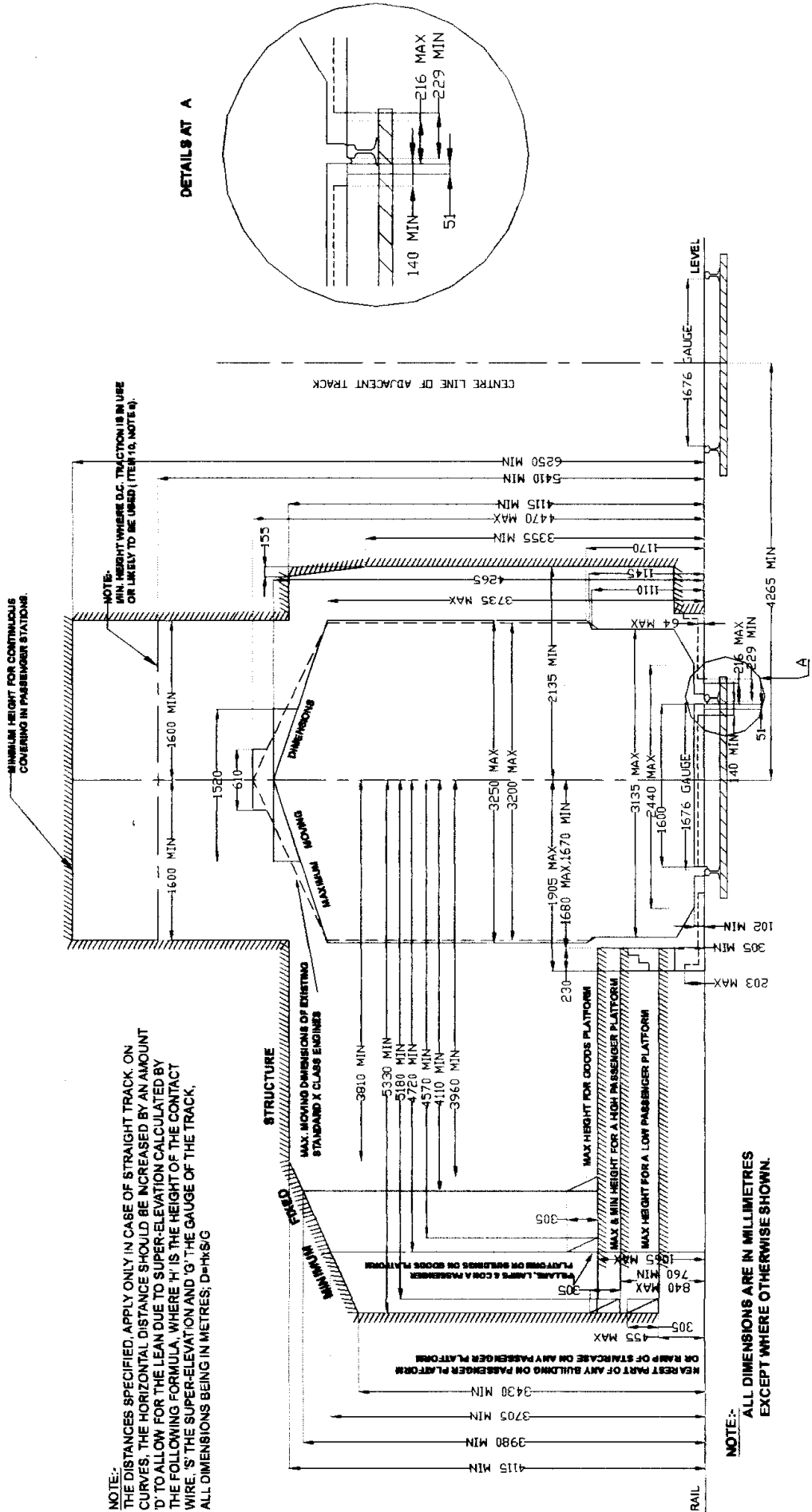
**MAXIMUM MOVING DIMENSIONS**



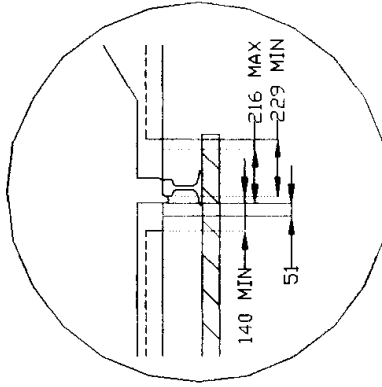
**NOTE**—  
ALL DIMENSIONS ARE IN MILLIMETRES  
EXCEPT WHERE OTHERWISE SHOWN.

**STANDARD DIMENSIONS IN STATIONS  
TO SUIT 25 KV.A.C. TRACTION SCHEDULE I-CHAPTER II**

**DIAGRAM NO. 2  
1676 mm GAUGE**



DETAILS AT A





## DIGRAM NO. 3 (FIG 1) 1676mm GAUGE

### INFRINGEMENTS OF SCHEDULE - I

FOR 3660 mm GOODS STOCK & NEW  
STANDARD LOCOMOTIVES IN EXISTING  
BRIDGES ONLY

PERMITTED UNDER SCHEDULE-II  
MINIMUM CLEARANCES ON EXISTING GIRDER BRIDGES

**NOTES:-**  
FULL LINES SHOW MAXIMUM MOVING DIMENSIONS OF FUTURE 3660 WIDE STOCK & OF EXISTING 3200/3260 WIDE STOCK & OUTLINE OF EXISTING 3660 WIDE ELECTRIFIED STOCK DOTTED LINES SHOW OUTLINE OF NEW STANDARD X.E. & W.H. ENGINES & OF PROPOSED 3660 WIDE HIGH SIDED OPEN TRUCK.

FULL HATCHED LINES SHOW DIMENSIONS WHICH SHOULD NOT BE INFRINGED IN TUNNELS, DOTTED HATCHED LINES SHOW DIMENSIONS WHICH SHOULD NOT BE INFRINGED ON GIRDER BRIDGES WHERE THE TRACK IS FIXED TO THE GIRDERS.

THE MINIMUM PERMISSIBLE CLEARANCES WILL BE.

(1) UNDER ANY CIRCUMSTANCES & SUBJECT TO ANY RESTRICTION OF SPEED WHICH IT MAY BE CONSIDERED NECESSARY TO IMPOSE.

IN TUNNELS

AT A ---228mm  
AT B ---305mm  
AT C ---380mm  
AT D ---228mm

ON GIRDER BRIDGES

AT A ---228mm (AT TOP OF SIDES OF VEHICLES)  
AT B ---228mm (AT SIDES OF VEHICLES)  
AT C ---305mm (BETWEEN MOVING TRAINS)  
AT D ---152mm (ABOVE VEHICLES)

(2) FOR UNRESTRICTED SPEED:

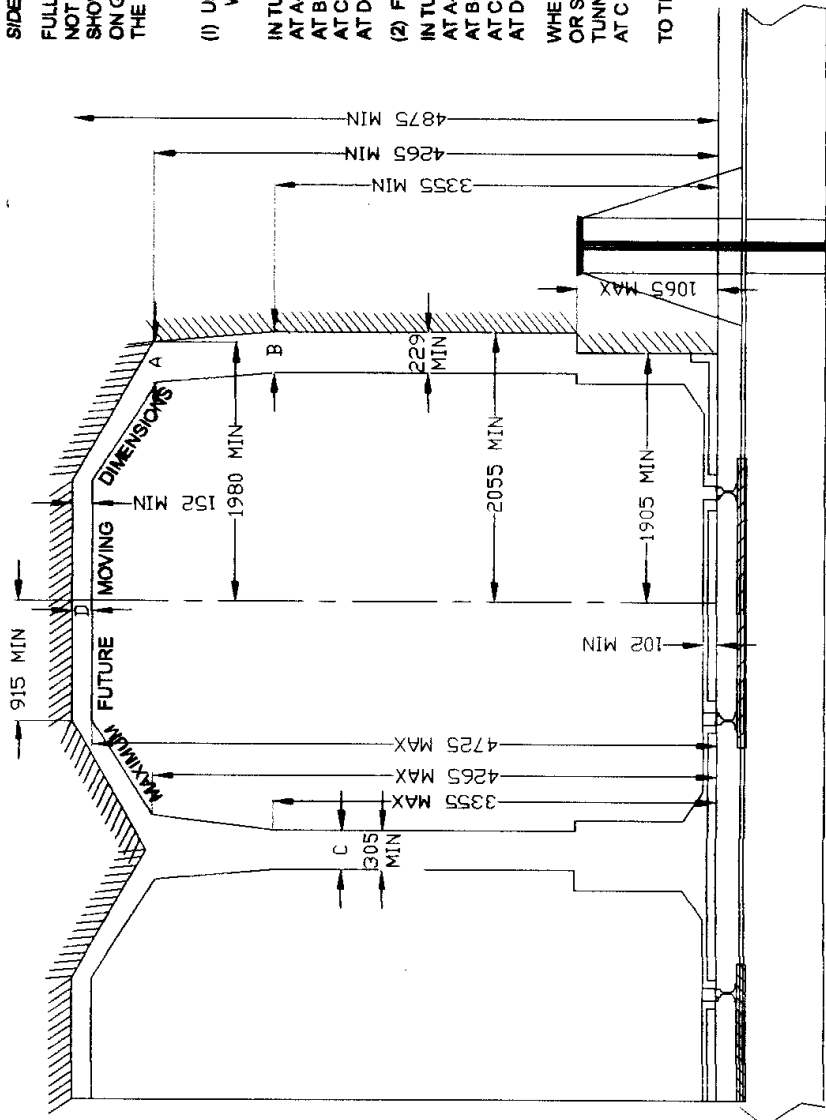
IN TUNNELS  
AT A ---380mm  
AT B ---535mm  
AT C ---610mm  
AT D ---305mm

ON GIRDER BRIDGES

AT A ---228mm (AT TOP OF SIDES OF VEHICLES)  
AT B ---455mm (AT SIDES OF VEHICLES)  
AT C ---535mm (BETWEEN MOVING TRAINS)  
AT D ---228mm (ABOVE VEHICLES)

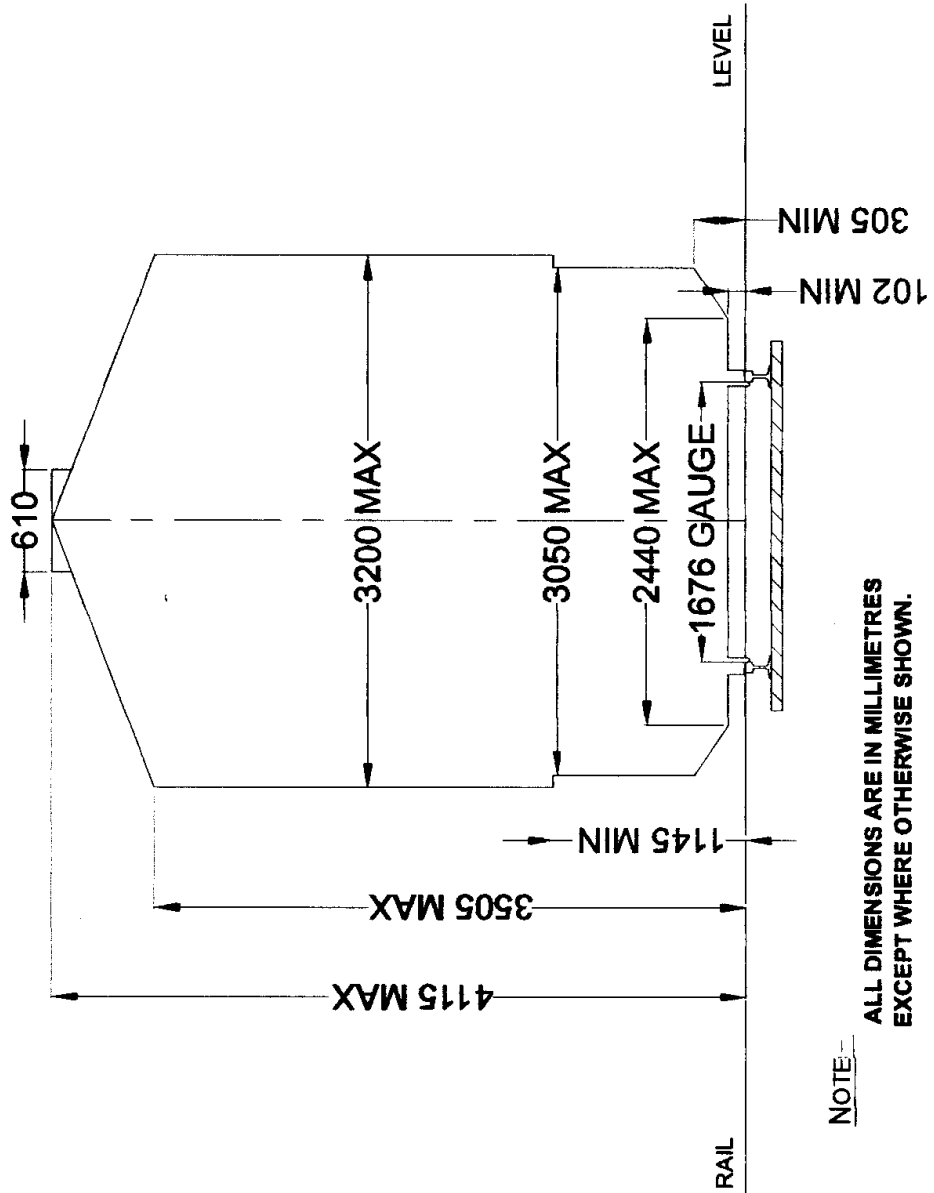
WHERE DOORS OPENING INWARDS OR OF THE RECESSED OR SLIDING TYPE ARE PROVIDED, THE MINIMUM CLEARANCE IN TUNNELS & BRIDGES MAY BE REDUCED TO 380 AT B & 455 AT C FOR UNRESTRICTED SPEED.

TO THE ABOVE MUST BE ADDED THE EXTRA ALLOWANCES FOR CURVES (SEE APPENDIX.)



**DIAGRAM NO. 4**  
**1676mm GAUGE**

**MAXIMUM MOVING DIMENSIONS OF 1929 PROFILE**



**NOTE--**  
ALL DIMENSIONS ARE IN MILLIMETRES  
EXCEPT WHERE OTHERWISE SHOWN.