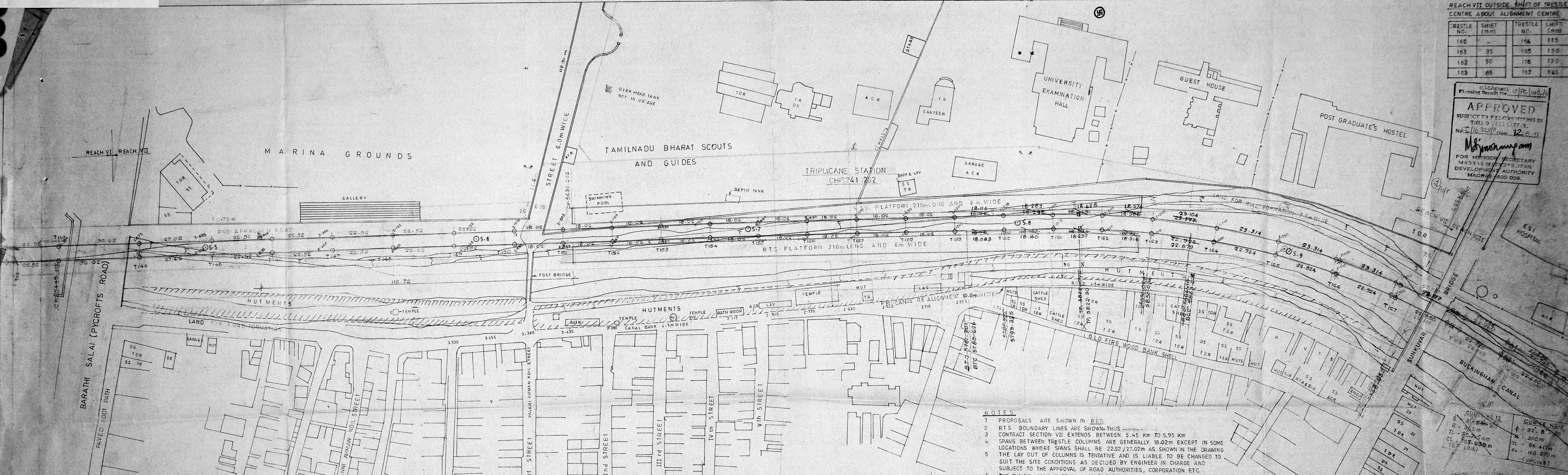


REACH VII OUTSIDE SHIFT OF TRESTLE CENTRE ABOUT ALIGNMENT CENTRE			
TRESTLE NO.	SHIFT (mm)	TRESTLE NO.	SHIFT (mm)
160	-	154	115
161	35	155	130
162	90	156	130
163	85	157	140

CLEARANCE 10.0m
 Planning Dept No. 116/328/10/10/10/10
APPROVED
 SUBJECT TO THE CONDITIONS IN THIS OFFICE LETTER
 No. 116/328/10/10/10/10 Date: 12.8.91
 M. Mungam
 FOR MEMBER SECRETARY
 MADRAS METROPOLITAN DEVELOPMENT AUTHORITY
 MADRAS 600 008.



- NOTES**
- PROPOSALS ARE SHOWN IN RED.
 - RTS BOUNDARY LINES ARE SHOWN. THUS CONTRACT SECTION VII EXTENDS BETWEEN 5.45 Km TO 5.95 Km.
 - SPANS BETWEEN TRESTLE COLUMNS ARE GENERALLY 18.02m EXCEPT IN SOME LOCATIONS WHERE SPANS SHALL BE 22.52/27.02m AS SHOWN IN THE DRAWING.
 - THE LAY OUT OF COLUMNS IS TENTATIVE AND IS LIABLE TO BE CHANGED TO SUIT THE SITE CONDITIONS AS DECIDED BY ENGINEER IN CHARGE AND SUBJECT TO THE APPROVAL OF ROAD AUTHORITIES, CORPORATION ETC.
 - THE TYPICAL LAYOUT OF PILES VS PILE CAPS AND THEIR STRUCTURAL DETAILS ARE SHOWN IN DRG. NO. RTS. 88.009/R. (ST) SHEET 1 TO 9.
 - THE DISTANCE MENTIONED BETWEEN TRESTLES ARE TO BE SET OUT ON CENTRE LINE OF TRACK ALIGNMENT ONLY.
 - CHAINAGE AND CURVE DETAILS ARE SHOWN FOR UP LINE ONLY.
 - THIS DRAWING SUPERSEDES DRG. NO. RTS. 90-005 (TR).

ALT. NO.	DESCRIPTION	INITIAL & DATE
R2	LOCATION OF SUNKUVAR BRIDGE AND SPACING OF TRESTLES IN REACH VIII REVISED AFTER VERIFICATION AT SITE AND SHIFT VALUES INCORPORATED. DUE TO CHANGE OF DEFLECTION ANGLE ADVISED BY XEN/P.I. IN HIS LETTER NO. MFP/XEN/W/B2, DATED. 18.5.90. THE INTER DISTANCES BETWEEN TRESTLES T159 TO T164 HAVE BEEN ALTERED.	XEN/D 22/5/90
R1		DY. CE/PI 22/5/90

DRG NO. RTS. 90-018/R2	MADRAS BEACH TO LUZ	METROPOLITAN TRANSPORT PROJECT (RAILWAY) MADRAS
SCALE: 1:1500	PROPOSED RTS ALIGNMENT SHOWING THE LOCATION OF TRESTLE COLUMNS FOR ELEVATED PORTION FROM 5.45 Km TO 5.95 Km (REACH VII)	AEN/D XEN/D SSTE DY. CEE DY. CE/PI CPM.
DRAWN BY: R.L. Thilagam		Z. V. Sankaranarayanan
TRACED BY: A. Suresh		T. V. Sankaranarayanan
COMPARED: M. Mungam		Chal. Sankaranarayanan
CD		P. Ramesh
		K. Sankaranarayanan

CURVE NO. 12
 R = 31.5m
 TL = 86.75m
 CL = 87.05m
 (UP LINE)

CURVE NO. 13
 R = 32.8m
 TL = 86.47m
 CL = 86.27m
 (UP LINE)

Implication 18
**METROPOLITAN
 TRANSPORT
 PROJECT RAILWAYS**
 MADRAS

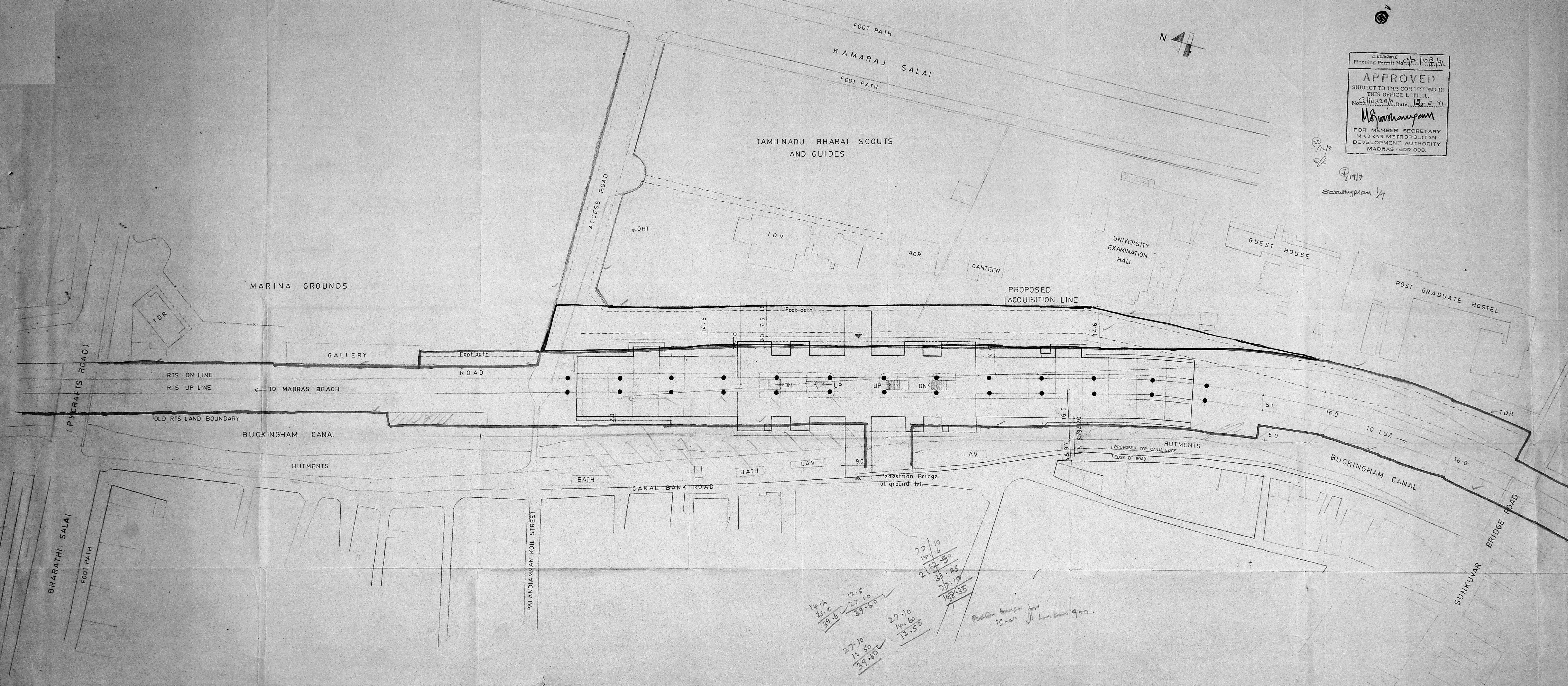
TRIPLICANE STATION

LAY OUT PLAN

SCALE	DATE	DEALT	JOB NO	SHEET NO
1:500	30.4.90	MOHANTHI MANJULA	S 01/90	1

ALL MEASUREMENTS ARE IN METRES

CLEARANCE
 Planning Permit No. CP/1108/191
APPROVED
 SUBJECT TO THE CONDITIONS IN
 THIS OFFICE LETTER.
 No. 16328/11 Date: 12.8.91
M. Srinivasan
 FOR MEMBER SECRETARY
 MADRAS METROPOLITAN
 DEVELOPMENT AUTHORITY
 MADRAS - 600 008.



Handwritten calculations and notes:

$$\begin{matrix} 14.15 \\ 23.0 \\ \hline 37.15 \end{matrix}$$

$$\begin{matrix} 27.10 \\ 12.50 \\ \hline 39.60 \end{matrix}$$

$$\begin{matrix} 27.10 \\ 10.60 \\ \hline 37.70 \end{matrix}$$

$$\begin{matrix} 27.10 \\ 12.50 \\ \hline 39.60 \end{matrix}$$

$$\begin{matrix} 27.10 \\ 10.60 \\ \hline 37.70 \end{matrix}$$

$$\begin{matrix} 27.10 \\ 12.50 \\ \hline 39.60 \end{matrix}$$

Handwritten note: "Pedestrian Bridge for 15-00 It has been 900."

A. N. Sengupta
A. N. SENGUPTA
 M. ARCH [MIT], MURBAN DESIGN [HARVARD], AIAA, MCA, RAIC, AIAA
 ARCHITECT AND PLANNER

SCALE	DATE	DEALT	JOB NO.	SH
1:200	7.5.50	Mahantya Manjula Menikam	S-01/50	

NOTE - All dimensions are in metres

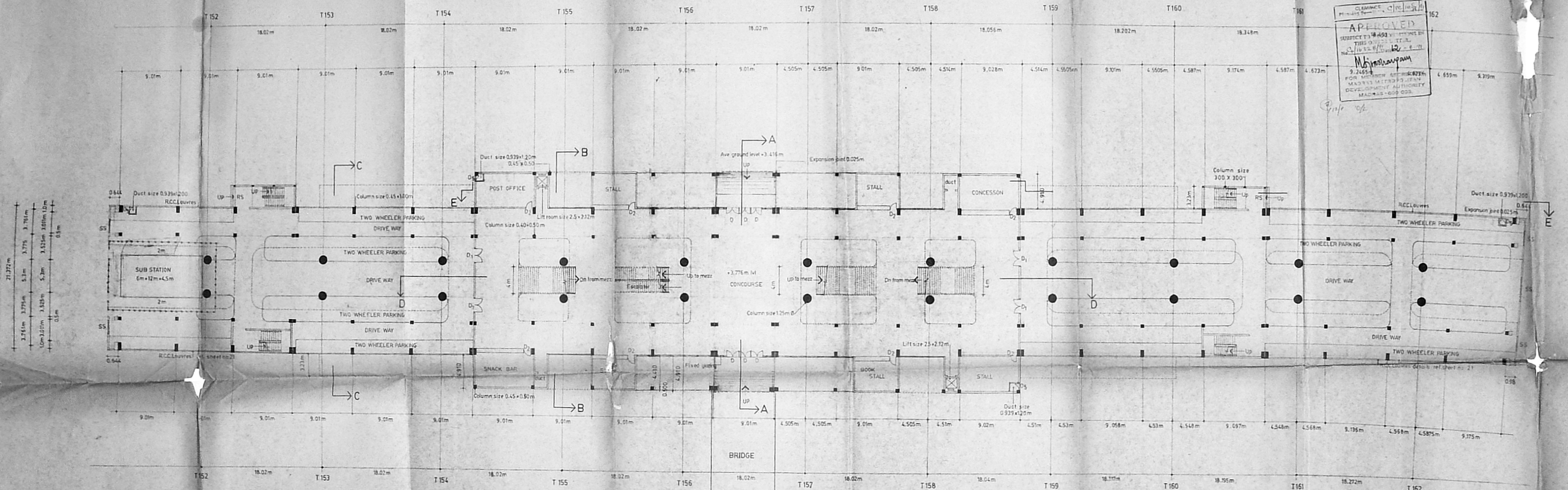
JOINERY DETAILS

SL.NO	DESCRIPTION	BREATH	DEPTH	S.NO	CHANGE ORDER
DOORS					
1	D	Anodised aluminium glazed door with fixed glazing	1796	2600	1 Orientation of the plan changed
2	D ₁	Anodised aluminium glazed door	1500	2100	2 Position of expansion joint revised
3	D ₂	Solid core teak veneer flush door laminated both sides	1000	2100	3 Additional columns incorporated near the lift core
4	D ₃	Solid core teak veneer flush door laminated both sides	900	2100	
5	D ₄	Teak wood panel shutter door	750	2100	
6	D ₅	Teak wood panel shutter door	600	2100	
WINDOWS					
7	W	Anodised aluminium glazed sliding window	8560	1350	
8	W ₁	Same as item no.7	8535	1350	
9	W ₂	Same as item no.7	5830	1350	
10	W ₃	Same as item no.7	7210	1350	
11	W ₄	Same as item no.7	2140	1350	
12	W ₅	Same as item no.7	1070	1350	
13	V	VENTILATOR Aluminium glazed louvered ventilator	939	1350	



A.N.SENGUPTA

M. Arch [MIT] M. Urban Design [Harvard] A.I.A., M.C.A., R.A.I.
ARCHITECT AND PLANNER



150-3
150-4
150-7

CLEARANCE
10.00m
10.00m

APPROVED
SUBJECT TO THE 453 REGULATIONS BY THE GOVT. OF INDIA
No. 10/32/1950
M. Sengupta
9.24.50
FOR METROPOLITAN AUTHORITY
MADRAS
MADRAS - 600 003.

SCALE	DATE	DEALT	JOB NO	SHEET NO
1:200	7.6.50	Metropolitan Municipality	501/50	3

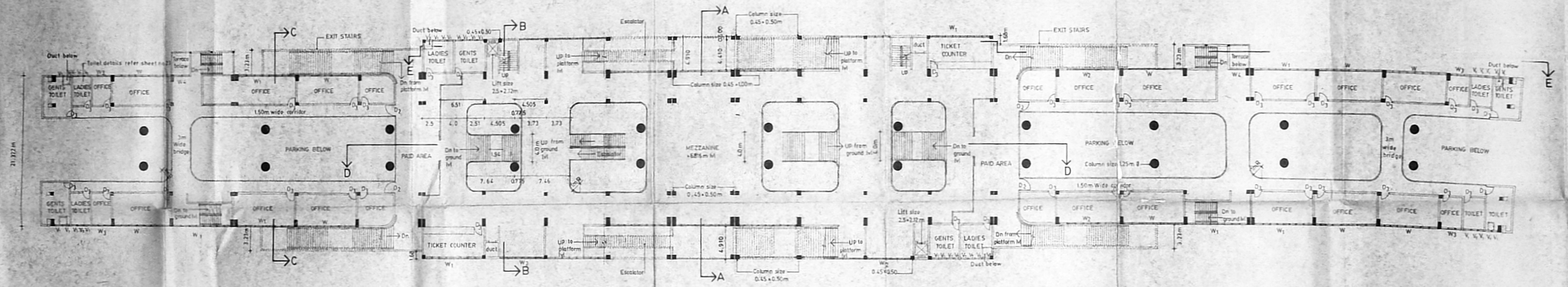
NOTE: All dimensions are in Metres

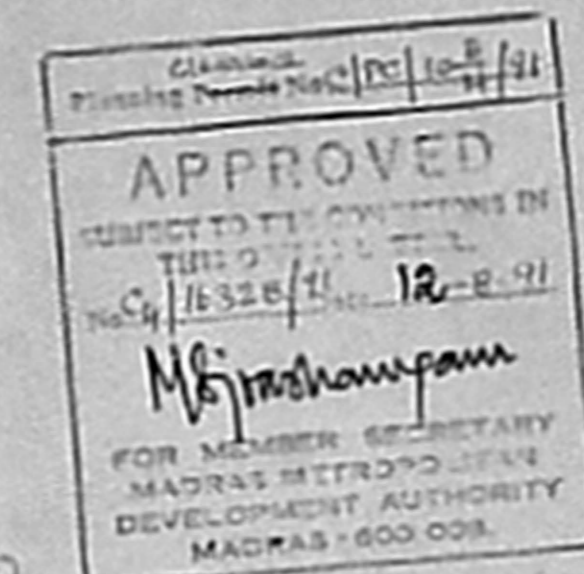
NO	CHANGE ORDER	DATE
1	Location of escalator altered	1.8.50
2	Orientation of the plan changed	4.6.50
3	Position of expansion joint revised	22.10.50
4	Additional columns incorporated near the lift case	22.10.50

A. N. SENGUPTA

M. Arch (M.T.T.M. Urban design (Harvard) A.I.T.A., M.C.A., R.A.E., A.I.C.E.)
ARCHITECT AND PLANNER

APPROVED
SUBJECT TO THE CONDITIONS IN
THIS GATE PASS
No. 12/12/50
M. S. Sengupta
FOR MEMBER SECRETARY
MADRAS METROPOLITAN
DEVELOPMENT AUTHORITY
MADRAS-600 000.





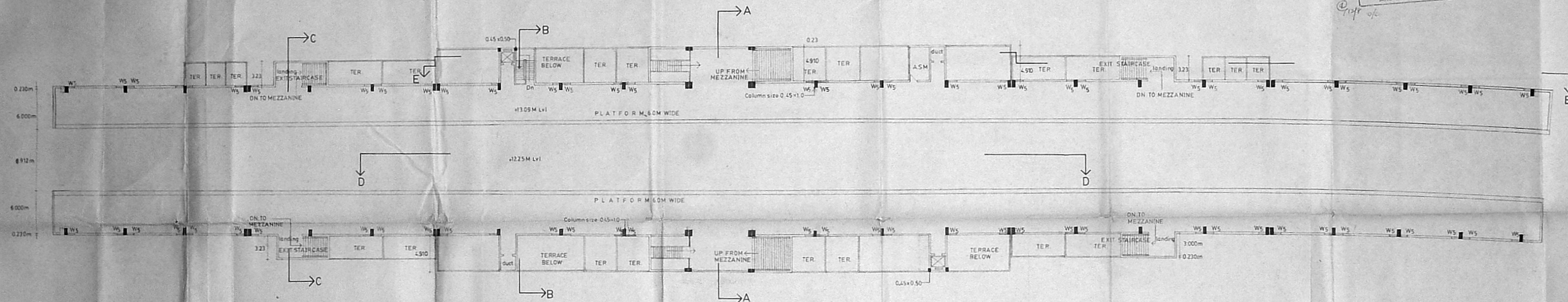
TRIPLICANE STATION

PLATFORM LEVEL PLAN

SCALE	DATE	DEALT	JOB NO	SHEET NO
1:200	7.6.90	Mohanty Manjula Vij	S-01/90	4

NOTE: All dimensions are in metres

S. NO	CHANGE ORDER	DATE
1	Location of escalator altered and A.S.M. relocated	1.8.90
2	Orientation of the plane changed	29.6.90
3	Position of expansion joint revised	22.10.90
4	Additional columns incorporated near the lift core	22.10.90



A. N. SENGUPTA

M.Arch (MIT), M. Urban design (Harvard), A.I.A., M.C.A., R.A.I.
 ARCHITECT AND PLANNER

METROPOLITAN TRANSPORT PROJECT RAILWAYS MADRAS

TRIPLICANE STATION

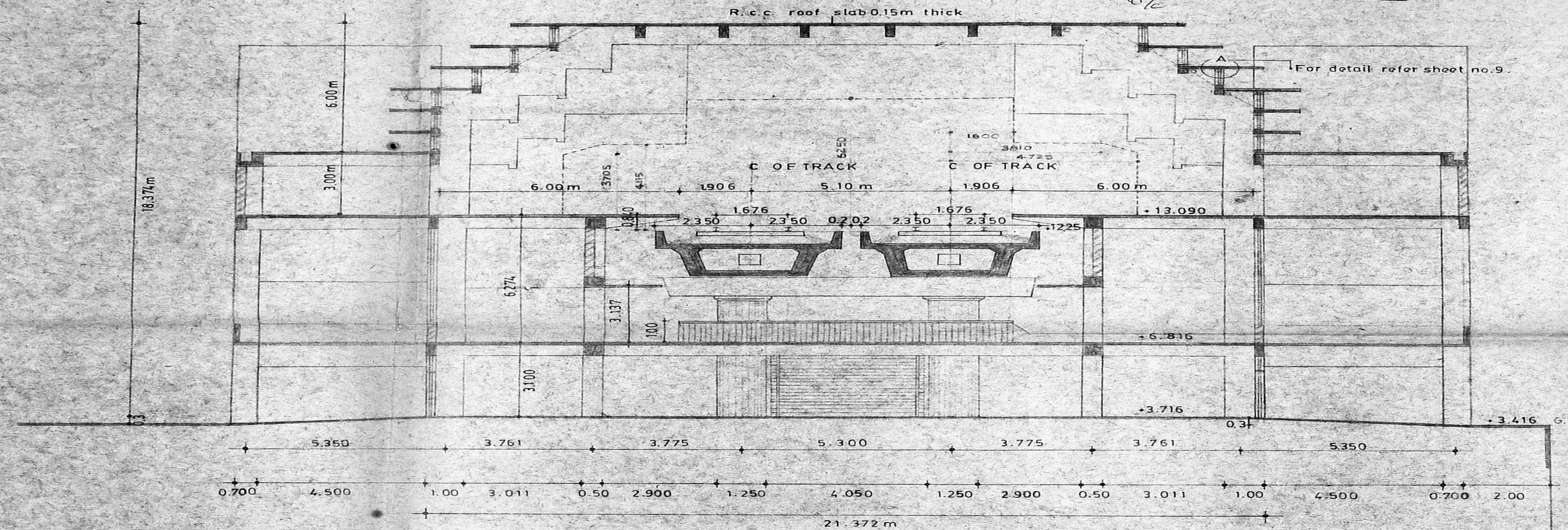
SECTION THROUGH CONCOURSE SECTION A-A

SCALE	DATE	DEALT	JOB NO	SHEET NO
1:100	14.6.90	Mahant Marjula Amutha	S 01/90	5

NOTE: ALL DIMENSIONS ARE IN METRES

SLNO.	CHANGE ORDER	DATE	ARCHITECT'S SIGNATURE
1	Circular column dimension changed from 1.2 to 1.25	16.8.90	LM
2	Cross beams are introduced at high roof portion	16.8.90	
3	Top beams are provided at stepped glazing in platform level	16.8.90	

Approved
Planning Permit No. C/22/10/11
SUBJECT TO THE CONDITIONS IN THIS O.C. L.F.F.R.
No. C/22/10/11 Date 12.8.90
M. J. SAMPAM
FOR MEMBER SECRETARY
MADRAS METROPOLITAN
DEVELOPMENT AUTHORITY
MADRAS - 600 008.

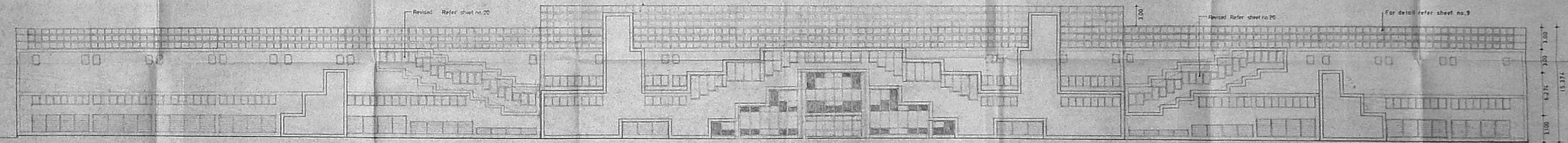


A. N. SENGUPTA
M. Arch (MIT) M. Urban design (Harvard) A.I.A., M.C.A., R.A.I.C., A.I.C.P.
ARCHITECT AND PLANNER

78.5
61.5
17.0

Planning Permit No. CP/110/9/9
APPROVED
SUBJECT TO THE CONDITIONS IN
THIS ORDER & T.E.R.
Call No. 32.6.71 12.8.71
M. Srinivasan
FOR MEMBER SECRETARY
MADRAS METROPOLITAN
DEVELOPMENT AUTHORITY
MADRAS-600 009.

4/19/90
e/c



EAST ELEVATION

METROPOLITAN 28

TRANSPORT ①

PROJECT RAILWAYS

MADRAS 110 X 47

TRIPPLICANE STATION

ELEVATION

SCALE	DATE	DEALT	JOB NO	SHEET NO
1:100	15.6.90	Mahant Manjula Amrita	S 01/90	7

- NOTE
1. Exit staircase revised refer sheet no. 20
 2. Expansion part & columns revised 22/10/90

A. N. SENGUPTA
M. Arch (M.S.E. Madras design (Harvard) A.I.A., M.C.A., R.A.I.C., A.I.C.P.
ARCHITECT AND PLANNER

METROPOLITAN TRANSPORT PROJECT RAILWAYS

MADRAS

TRIPPLICANE STATION

SECTION THROUGH PARKING
SECTION C-C

SCALE	DATE	DEALT	JOB NO.	SHEET NO.
1:100	6. 7. 90	MOHANTY MANJULA	S 01/90	9

ALL MEASUREMENTS ARE IN METRES.

SLNO	CHANGE ORDER	DATE	ARCHITECT'S SIGNATURE
1	Circular column dimension changed from 1.2 to 1.25	16.8.90	
2	Cross beams are introduced at high roof portion	16.8.90	
3	Top beams are provided at stepped glazing in platform level	16.8.90	

A. N. SENGUPTA
M. Arch (MIT) M. Urban design [Harvard] AIIA, MCA, RAIC, AICP

ARCHITECT AND PLANNER.

Clearance
Planning Permit No. CP/20/16/H/91
APPROVED
SUBJECT TO CONDITIONS IN
THIS PERMIT.
No. 16328/91 Dtd. 12.8.91
M. S. Mohanram
FOR MEMBER SECRETARY
MADRAS METROPOLITAN
DEVELOPMENT AUTHORITY
MADRAS - 600 008.

