

MUNICIPAL CORPORATION OF GREATER MUMBAI

CHE/137/EP(Spl.Cell)/AFN/337

11 1 JAN 2018

Office of the
Dy.Ch. Eng.(B.P.) Special cell
Ge./Pn, Municipal Training Centre,
Rohija/Vihar Complex,
Charadriai Park Road,
Aashwari (Bser), Mumbai 400 072

To,
The Executive Engineer

Housing City Division,
M.H. & A.D. Board, 2nd floor,
Gritha Nitman Bhavan,
Kalanagar, Bandra (E),
Mumbai - 400 051.

Sub :- Proposed development of Bldg. No. 4 on land bearing C.S. No. 2/292,
378, 379, 380, 381 & 419 of Mahunga Division, Antop Hill, F-North
Ward Mumbai for M.H.&A.D. Board.

Ref:- Your letter No. E.E.City Divn./Antop Hill/Wadala/MB/888/2016
dt. 07.06.2016.

Sir,

With reference to the above, I have to inform you that the plans submitted by you for the construction of subject mentioned building are approved, subject to compliance of the following conditions:

A) CONDITIONS TO BE COMPLIED WITH BEFORE STARTING THE WORK:-

- 1) That the low lying plot will be filled up to a reduced level of at least 27.55 M Town Hall Datum or 0.15 m above adjoining road level whichever is higher with murrum, earth, boulders etc. and will be levelled, rolled, consolidated and sloped towards road side.
- 2) That the Board shall be displayed showing details of proposed work, CTS no, village, name of owner, developer, architect, R.C.C. consultant etc.
- 3) That the compound wall is be constructed on all sides of the plot clear of road widening line before starting the work as per D.C. Regulation No.38(27).
- 4) That the existing structure proposed for demolition shall be demolished or phase programme, if necessary, shall be submitted and got approved.
- 5) That the adequate & decent temporary sanitary accommodation shall be provided for construction workers before starting the work.
- 6) That the precautionary measures to avoid dust nuisance such as erection of G.I. sheet screens at plot boundaries up to reasonable height shall be provided before demolition of existing structures at site.
- 7) That the Environmental clearance from MOEF shall be obtained before construction area exceed as per MOEF NOC u/do. SEAC -2013/CR-274/TC-1 dt. **29.09.2014**.
- 8) That the Revised NOC from CFO shall be obtained & requisitions there of shall be compiled with at appropriate stages.
- 9) That the qualified/Registered Site supervisor through Architect/ Structural Engineer will be appointed before applying for C.C.
- 10) That the qualified & Lic. RCC structural Engineer will be appointed.
- 11) That the qualified & Lic. Plumber will be appointed for carrying out internal house Drainage works.

- 12) That a doctor for regular check-up of labourers working on site shall be appointed.
- 13) That private pest control agency shall be appointed for pest control during course of construction.
- 14) That the anti-termite treatment shall be provided at site during the execution of work and conditions of circular u/no. AMC/WS/H/9346 dt. 29.3.2010 shall be complied with.
- 15) That the work shall be commenced only after the necessary treatment at construction site to prevent epidemics like Dengue, Malaria etc. is done from Insecticide Officer and provision for inspection of water tanks by providing safe and stable ladder, etc. and requirements as communicated by the Insecticide Officer shall be made as and when required by Insecticide Officer.
- 16) That the proposal shall not contravene the section 251 (A) (A) of the Mumbai Municipal Corporation Act.
- 17) That the work shall be carried out under supervision and guidance of a Registered/Qualified supervisor and his name and qualification shall be intimated to this office before starting the work.
- 18) That the soil investigation of site shall be got carried out from the empanelled soil investigation consultant and accordingly the structural design of foundation and superstructure shall be carried out.
- 19) That the structural design and calculations for the proposed building considering seismic and wind forces as per relevant I.S. Code Nos. 1893 and 4326 etc. shall be got carried out and accordingly, the structural work shall be carried out under supervision of Structural Engineer.
- 20) No main beam in a R.C.C. framed structure shall be less than 230 mm wide. The size of the columns shall also be governed as per the applicable I.S. codes.
- 21) All the cantilevers (Projections) shall be designed for five times the load as per IS Code 1993-2002 including the columns projecting beyond the terrace and carrying the overhead water storage tank, etc.
- 22) In R.C.C. framed structures, the external walls shall be 230 mm, if in brick masonry or 150 mm. autoclaved cellular concrete block excluding plaster thickness as circulated under No. CE/PD/11945/1 of 2.2.2006.
- 23) That the slab of the underground tank, slab to cover existing well, if any, along driveway shall be designed to bear the required vehicular load and the stability certificate to that effect shall be submitted.
- 24) That Regd. U/T for minimum Nuisance during construction activity shall be submitted.
- 25) That the Indemnity Bond, indemnifying the Corporation for damages, risks, accidents, to the occupiers and an Undertaking regarding no nuisance will be submitted.
- 26) That the work shall be carried out entirely at your risk & cost M.C.G.M. stands indemnified against risks, damages, accident etc. to occupiers.
- 27) That the bore well, if any, shall be constructed in consultation with H.E./PCO
- 28) That the requirement of bye law 4(C) shall be complied with before starting the drainage work and in case Municipal sewer shall be laid, the drainage work shall be carried on as per the requirement of Executive Engineer (Sewerage Project); Planning & completion certificate for the same shall be submitted.
- 29) That the remarks from Suptd. Of Garden shall be submitted before commencement of work.

- 30) That the debris management plan as per Circular No. AMC/City/1450/SWM of 14/11/2005 shall be obtained from S.W.M. Department and NOC to that effect shall be submitted.
- 31) That the capacity of overhead tank shall be provided as per 'P' form issued by department of Hydraulic Engineer and structural design to that effect shall be done.
- 32) That the necessary remarks for construction of S.W.D. shall be submitted from E.E. (S.W.D.) City.
- 33) That the revised NOC from E. E. (T & C) for manoeuvring of vehicles in stilt and stack parking area shall be obtained and requisitions thereof shall be complied.
- 34) That No Dues Clearance Certificate from A.E.W.W. F/N Ward shall be submitted.
- 35) That No Dues Clearance Certificate from A. A. & C. F/N Ward shall be submitted.
- 36) That the demarcation for plot boundary from D.I.L.R. / CTSO office shall be submitted.
- 37) That the Janata Insurance policy or policy to cover the compensation claims arising out of Workmen's Compensation Act, 1923 will be taken and a copy of the same will be submitted before asking C.C. and renewed during the construction of work and owner / developer should submit revalidated Janata Insurance Policy from time to time.
- 38) That the N.O.C from Electric Supply Company for making available the electric supply shall be obtained and the provision for Electric Substation as per provisions of reg. 26 of DCR-1991 shall be made as per the requirement of electric supply company before starting the work.
- 39) The date of commencement of the work shall be intimated before starting the work.
- 40) That the requisitions of clause 45 & 46 of DCR 91 shall be complied with and records of quality of work, verification report, etc. shall be maintained on site till completion of the entire work.
- 41) That the work shall be carried out between sunrise and sunset and the provision of notification issued by Ministry of Environment and Forest department dated 14.2.2000 and Rules framed for noise pollution (Regulation & Control) Rules 2000 shall be duly observed.
- 42) That the work will be carried out strictly as per approved plan and in conformity with the D.C. Regulations in force.
- 43) That the construction activity for work of necessary piling, if any, shall be carried out by employing modern techniques such as rotary drilling, micro piling etc. instead of conventional jack and hammer to avoid nuisance damage to adjoining buildings.
- 44) That adequate care in planning, designing and carrying out construction will be taken in the proposed building to provide for the consequence of settlement of the foundation and plinth filling etc.
- 45) That proper care shall be taken to ensure that the stability of the adjoining structure in the plot is not disturbed due the execution of work.
- 46) That the debris shall not be stacked on Municipal roads and necessary clearance from Ward regarding debris removal charges must be obtained before submitting the Building Completion Certificate.
- 47) That the requisite payments toward MCGM shall be made.
- 48) That all payment of duties & taxes as per regulation by central/state government and/or local authority including labour welfare cess shall be made as per rules & regulations.

- 49) That the land under reference falls within 30 mt. of Central Railway, Harbour Branch line buffer and boundary and hence NOC from Railway Authority shall be submitted.

B) CONDITIONS TO BE COMPLIED WITH BEFORE WORK BEYOND PLINTH:

- 1) That this office shall be intimated in prescribed proforma for checking the opens spaces and building dimensions as soon as the work up to plinth is completed.
- 2) That the plinth stability certificate from Structural Eng. shall be submitted.

C) CONDITIONS TO BE COMPLIED WITH BEFORE O.C.:

- 1) That the submit P.R. Card for entire layout in words & figures before requesting occupation permission to any building which will be completed hence after within the layout.
- 2) That the surrounding open space, parking space shall be properly consolidated, paved with concrete, asphalt, sloped and drained.
- 3) That the carriage entrance across road side drain shall be provided before submitted B.C.C.
- 4) That the pockets, trenches, ducts as per requirement of M.T.N.L. shall be provided.
- 5) That the footpaths, roads etc. damaged during construction shall be kept repaired and in usable conditions and reinstated in as and when instructed by M.C.G.M. and before completion of work.
- 6) That 3.048 mt. (10'0") wide paved pathway up to staircase shall be provided.
- 7) That some of the drains will be laid internally with C.I. Pipes.
- 8) That the dust-bin will be provided as per C.E.'s circular No. CE/9297/II of 26-6-1978.
- 9) That the Vermiculture Bin for the disposal of wet waste as per the design and specification of organization of Company's specialized in this field as per the list sanctioned by Solid Waste Management of M.C.G.M. shall be provided
- 10) That the provision of rain water harvesting as per the design approved by the approved Consultant in the field shall be made to the satisfaction of Mumbai Commissioner.
- 11) That the Building Completion Certificate in prescribed format as per DCR-6 shall be submitted.
- 12) That the requisite sets of plans one of which mounted on canvas shall be submitted at the time of intimating the date of completion.
- 13) That the structural stability certificate from the Registered Engineer for completed works shall be submitted to this office before asking for Occupation Permission / B.C.C.
- 14) That the smoke test and ponding test for the terrace & toilet water proofing shall be carried out and certificate from L.P. to that effect shall be submitted.
- 15) That RCC Structural drawing mounted on canvas shall be submitted.
- 16) That Site Supervisor certificate for quality of work and completion of the work shall be submitted in prescribed format.
- 17) That terraces, sanitary blocks, naharis in kitchen will be made Water proof and same will be provided by method of pounding and all sanitary connections will be leak proof and smoke test will be done in presence of licensed plumber.
- 18) That the drainage completion certificate shall be submitted & got accepted.
- 19) That the Sewerage lines shall be provided as per the remarks of E.E.(S.P.) P & D & final completion Certificate to that effect shall be submitted.

11 JAN 2018

- 20) The SWD completion certificate shall be submitted from Executive Engineer (S.W.D.) City.
- 21) That the final NDC from S.G. shall be submitted before completion of building.
- 22) That the completion certificate/final N.O.C from C.F.G shall be submitted before completion of building.
- 23) That the certificate form lift inspector regarding satisfactory installation and operation of lift shall be submitted.
- 24) That the land under D.P. Roads i.e. sub plot D, Sub-plot G and sub-plot H shall be handed over to MCGM and ownership shall be transferred in the name of MCGM.
- 25) That the submit P.R. Card D.P. Road in words and figures before requesting occupation permission to any building.

D) CONDITIONS TO BE COMPLIED WITH BEFORE B.C.C. :-

- 1) That certificate under Section 270-A of the Bombay Municipal Corporation Act shall be obtained from H.E.'s department regarding adequacy of water supply.
- 2) That the true copy of the sanctioned layout/sub-division/amalgamation approved along with the compliances of T. & C. thereof will be submitted before B.C.C.

One set of plans duly signed and stamped is hereby returned in token of the Municipal approval.

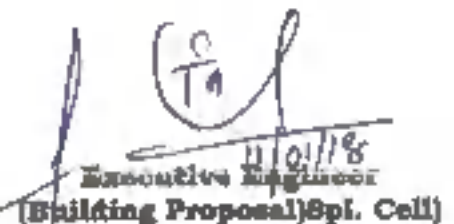
Yours faithfully



**Executive Engineer
(Building Proposal) Spl. Cell)**

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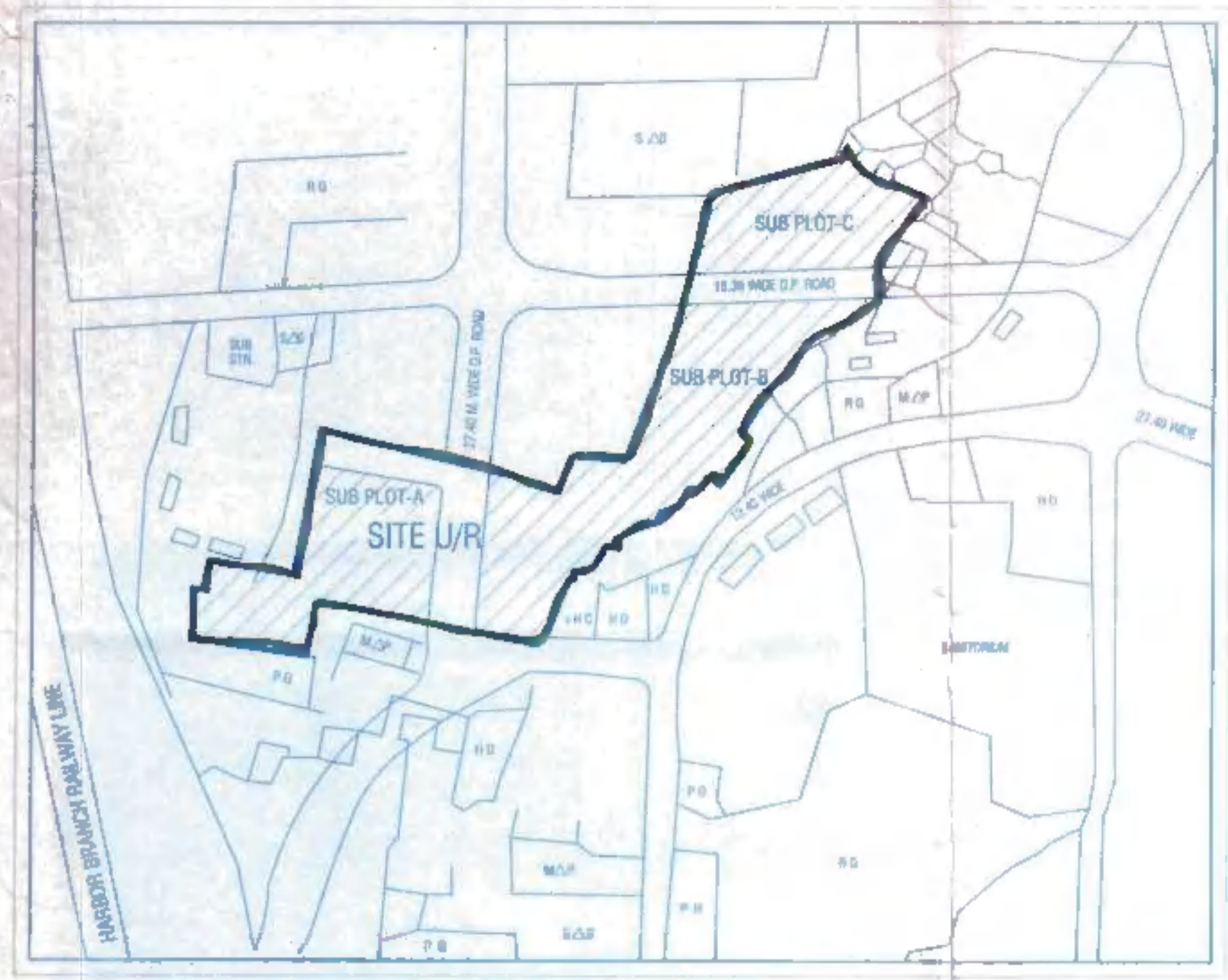
- ✓ 1) Architect Shri. Sandeep waman Tandel
17, Zaobawadi, Thakurdwar,
Mumbai - 400 002,
- 2) A. A. & C T/N' ward.
- 3) Asstt. Comm. (F/N ward)
- 4) A.E.(W.W) F/N ward



**Executive Engineer
(Building Proposal) Spl. Cell)**

STAMP OF RECEIPT
 STAMP OF APPROVAL OF PLAN
 17 JAN 2018
 APPROVED Subject to conditions mentioned
 this office No. CHE / 187 /BP (SPL-CELL) / 1718 / 137
 J. Pal
 Jt. Eng. (B.P.) Spl. Cell

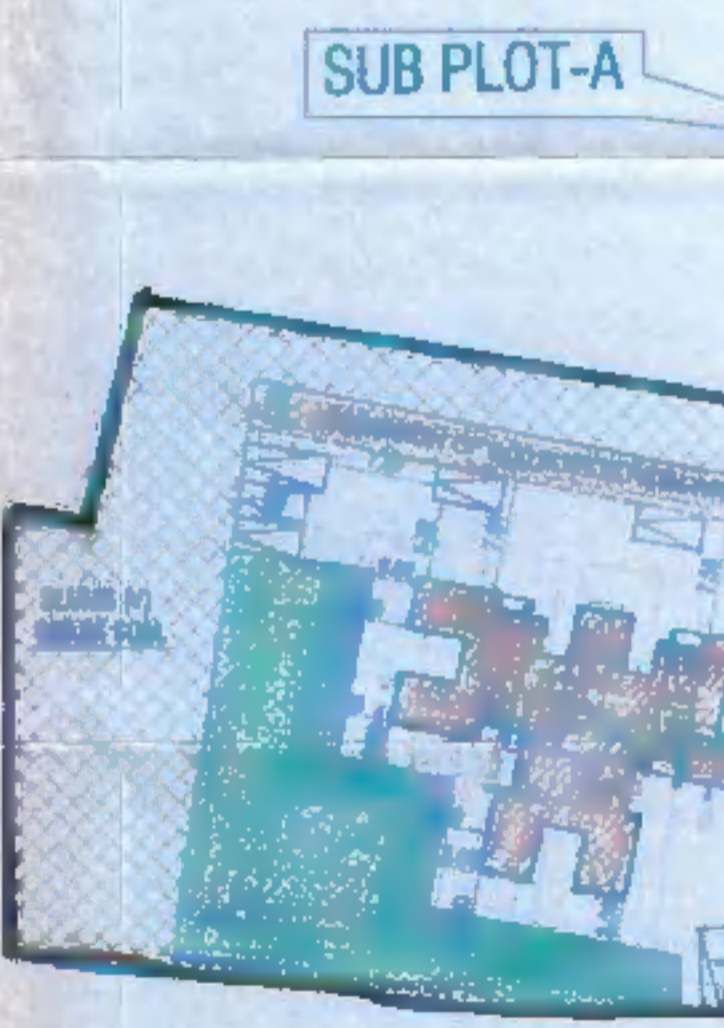
AREA OF PLOT	SUB PLOT-A	SUB PLOT-B	SUB PLOT-C	TOTAL
AREA OF PLOT	8792.30	12204.92	3767.54	22764.76
ADD D.P. ROADS (D+E+F+G+H)	3248.93	1740.71	---	4989.64
TOTAL AREA	10041.23	13945.63	3767.54	27754.40



LOCATION PLAN
 D.P. SHEET :- F/N - IV & V
 (SCALE-1:2500)



GOVERNMENT STAFF QUARTERS
 (RESERVATION AS PER D.P. REMARK 2034)
 01) 0.5 X 14.51 X 4.04 = 35.11 SQM.



LAY-OUT PLAN

AREA OF PLOT AS PER P.R. CARD

S.NO	C.S. NO.	AREA (SQM.)
1	378	514.22 SQM.
2	379	776.76 SQM.
3	380	556.86 SQM.
4	2/292	25431.84 SQM.
5	419	474.92 SQM.
TOTAL		27754.40 SQM.

R.G. STATEMENT

SUB PLOT	AREA OF SUB PLOT	B.S.R.C.	R.D. PROVIDED
A	6792.30 SQM.	543.38 SQM.	624.78 SQM. (9.20%)
B	12204.92 SQM.	976.39 SQM.	1014.08 SQM. (8.31%)
C	3767.54 SQM.	301.40 SQM.	1077.68 SQM. (28.62%)

PARKING STATEMENT

BLDG. NO.	TYPE	PARKING REQUIREMENT	PARKING REQD.	ADDITION 25% PARKING REQD.	TOTAL PARKING REQD.	PARKING PROVIDED
BLDG. NO-02	EWS	1-FOR 8-TEN.	8 NOS.	2 NOS.	10 NOS.	17 NOS.
BLDG. NO-03	EWS-I	1-FOR 8-TEN.	70 NOS.	17 NOS.	87 NOS.	88 NOS.
BLDG. NO-04	EWS-I	1-FOR 8-TEN.	18 NOS.	04 NOS.	22 NOS.	22 NOS.
BLDG. NO-06	TRANSIT	1-FOR 8-TEN.	18 NOS.	04 NOS.	22 NOS.	22 NOS.
TOTAL			112 NOS.	30 NOS.	142 NOS.	140 NOS.

*PROPOSED FLOOR AREA STATEMENT (EXCLUDING STAIRCASE, LIFT & LIFT LOBBY)

PLOT SR.	BLDG. NO.	TYPE	NO. OF TENEMENTS PER WING				TOTAL NO. OF TENEMENTS	PROPOSED F.S.I. AREA PER WING (IN SQM.)				TOTAL PROPOSED FL. AREA
			A	B	C	D		A	B	C	D	
1	EWS	03	1.39	1.39	1.39	1.39	556	3732.37	3732.35	3732.35	3732.37	14929.44
			(S+24)	(S+24)	(S+24)	(S+24)						
2	EWS-I	04	1.39				139	3732.35				3732.35
			(S+24)									
3	EWS-I	02	07+3 SH				87	2641.27				2641.27
			(S+23)									
4	TRANSIT	06	1.39				139	3453.61				3453.61
			(S+24)									
GRAND TOTAL		05				921	03 SHOPS	TOTAL F.S.I. BUILT UP AREA			24756.67	

PROPOSED FUNGIBLE AREA STATEMENT

PLOT SR.	(I) BLDG. NO.	F.S.I. BUA PROPOSED AS ABOVE	(II) PROPOSED FUNGIBLE AREA [35.00 %]	(III) TOTAL PROPOSED AREA
PLOT A	03 BWS (S+10)	14829.44 SQM.	5225.32 SQM.	20154.76 SQM.
	04 BWS (S+24)	3732.35 SQM.	1306.33 SQM.	5038.68 SQM.
	06 BWS (S+24)	2041.77 SQM.	714.62 SQM.	2756.39 SQM.
PLOT B	05 TR. (S+24)	3453.61 SQM.	1208.76 SQM.	4662.37 SQM.
	06 TR. (S+24)	3453.61 SQM.	1208.76 SQM.	4662.37 SQM.
TOTAL AREA		24756.87 SQM.	8684.85 SQM.	33441.72 SQM.

*R.G. AREA CALCULATIONS (BY TRIANGULATION METHOD)

R.G.-1 :-

- 01) 0.5 X 31.64 X 13.93 = 220.37 SQM
- 02) 0.5 X (01.04+05.64) X 15.53 = 51.87 SQM
- 03) 0.5 X 21.83 X 05.86 = 64.00 SQM
- 04) 0.5 X 29.88 X 12.79 = 91.08 SQM
- 05) 0.5 X (7.42+10.16) X 37.21 = 327.08 SQM
- 06) 0.5 X 13.62 X 02.39 = 15.28 SQM
- 07) 0.5 X 10.48 X 05.57 = 29.08 SQM
- 08) 0.5 X 17.35 X 04.77 = 40.88 SQM
- 09) 0.5 X (2.25+10.00) X 20.75 = 138.88 SQM
- TOTAL = 1077.68 SQM

R.G.-2 :-

- 01) 0.5 X 36.39 X 04.35 = 79.16 SQM
- 02) 0.5 X (20.74+01.48) X 28.03 = 289.19 SQM
- 03) 0.5 X (14.38+04.39) X 23.15 = 213.87 SQM
- TOTAL = 581.91 SQM

R.G.-3 :-

- 01) 0.5 X 16.87 X 06.48 = 54.48 SQM
- 02) 0.5 X (15.81+06.95) X 25.98 = 286.68 SQM
- 03) 0.5 X 14.92 X 03.02 = 22.03 SQM
- TOTAL = 363.19 SQM

R.G.-4 :-

- 01) 0.5 X (09.45+09.45) X 19.02 = 178.74 SQM
- TOTAL = 178.74 SQM

R.G.-5 :-

- 01) 0.5 X (08.86+03.77) X 28.87 = 180.88 SQM
- 02) 0.5 X 20.55 X 04.97 = 51.07 SQM
- 03) 0.5 X (02.30+07.19) X 22.25 = 106.87 SQM
- 04) 0.5 X 15.92 X 05.31 = 42.08 SQM
- 05) 0.5 X 07.19 X 02.00 = 7.19 SQM
- 06) 0.5 X 08.75 X 02.47 = 10.84 SQM
- 07) 0.5 X 08.28 X 04.20 = 17.40 SQM
- 08) 0.5 X 08.88 X 02.02 = 4.44 SQM
- 09) 0.5 X 11.16 X 00.73 = 0.41 SQM
- 10) 0.5 X (02.81+03.28) X 18.89 = 54.90 SQM
- TOTAL = 445.02 SQM

GRAND TOTAL = 2716.53 SQM

*LEGEND
 PLOT BOUNDARY --- BLACK
 PROPOSED WORK --- RED
 R.G. AREA --- GREEN
 PROP. ROADS --- BURNT SIENNA
 STR. TO BE DEMOLISHED --- YELLOW

*CERTIFICATE OF AREA
 I, THE CHIEF ENGINEER (EAST), MUMBAI HOUSING & AREA DEVELOPMENT BOARD, MUMBAI, DO hereby certify that I have surveyed the plot on 25/02/09 (L.M.) bearing on C.S. No. 2/292, 378, 379, 380, 381 & 419, of MATURGA DIVISION, and the dimensions of the sides etc. of the plot stated on the plan are as measured on the site and the area is worked out as 27754.40 SQM.

*PROJECT
 PROPOSED LAYOUT / SUB-DIVISION OF REDEVELOPMENT OF TRANSIT CAMP ON C.S. NO. 2/292, 378, 379, 380, 381 & 419 OF MATURGA DIVISION AT ANTOP HILL, WADALA, MUMBAI, FOR M. H. & A. BOARD.

SIGNATURE OF ARCHITECT
 SIGNATURE OF OWNER
 SANDIP W. ANAND
 ANTOP HILL, WADALA
 DRAWN: MANDAR
 CHD: ANAND
 DEC'D: ANAND
 APP'D: ANAND
 SCALE: 1:500
 DATE: 07/2008
 JOB TITLE: MUMBAI HOUSING & AREA DEVELOPMENT BOARD, MUMBAI
 LOCATION: ANTOP HILL, WADALA
 SHEET TITLE: BLOCK PLAN FOR BLDG NO - 04
 JOB NO: 07/2008
 REV. NO: 00

STAMP OF RECEIPT OF PLAN STAMP OF APPROVAL OF PLAN

11 JAN 2018
 APPROVED Subject to conditions mentioned in this office No. CHE / 137 /BP (SPL-CELL) / A.F.M. / 337

11 JAN 2018
 Eng. (B.P.) Spl. Cell
 उद्योग विभाग, नवी मुंबई, महाराष्ट्र राज्य सरकार (विशेष कर) यंत्रणे कार्यालय

SLUMS (V)
 629.24 SQM.

9.15 M.WIDE INT. ROAD

PROVISION OF 3.00 M.WIDE PATH-WAY

BLDG.NO	FLOORS	HEIGHT
04	S+24	69.95 M

SCHEDULE OF DOORS & WINDOWS

SR.NO.	TYPE	SIZE	DESCRIPTION
1	ED	2100X2100	
2	CD3	1350X2100	
3	CD4	1150X2100	
4	FRD1	1000X2000	
5	FRD2	1200X2800	
6	FRD3	1200X1800	
7	D2	900X2000	
8	D3	750X2000	
9	D4	1000X1890	
10	D5	1000X2000	AS PER SPECIFICATIONS
11	D6	1000X2000	
12	OP	900X2100	
13	MD1	1025X1100	
14	MD2	850X1100	
15	W1	1700X1200	
16	W2	1200X900	
17	W3	1200X1200	
18	V1	680X550	
19	J1	1800X1500	PRECAST RCC JALI
20	J4	1000X500	

BRIEF SPECIFICATIONS

- FOUNDATION UP TO HARD STRATA.
- RCC FRAME STRUCTURE WITH PREFAB COLUMNS, BEAMS & SIPOREX SLABS FOR FLOOR AND ROOF.
- CAST IN SITU R.C.C. SLABS FOR TOILET & STAIRCASE.
- 150 THK. SIPOREX BLOCK WALL EXTERNALLY
- 100 THK. SIPOREX MASONRY FOR INTERNAL WALLS AND WALLS FOR ELEVATION TREATMENT
- SHIRKE-POLYNORM DOORS
- ALUMINIUM GLAZED WINDOW
- SAND FACED PLASTER EXTERNALLY
- NEERU FINISH PLASTER INTERNALLY

ANTOP HILL, WADALA, MUMBAI.

*PROJECT
 PROPOSED REDEVELOPMENT OF BEANUP CAMP WITH FRAMEY, EWS TYPE TENEMENTS, ON C. S. NO. 2/292, 378, 379, 380, 381 & 419 OF MATUNGA DIVISION; AT ANTOP HILL, WADALA, MUMBAI.
 FOR M. H. & A. D. BOARD

SIGNATURE OF LICENSING ARCHITECT SIGNATURE OF OWNER

Standal
 SANDEEP W. TRIMDEL
 ARCHITECT
 LNO-CAN/18279

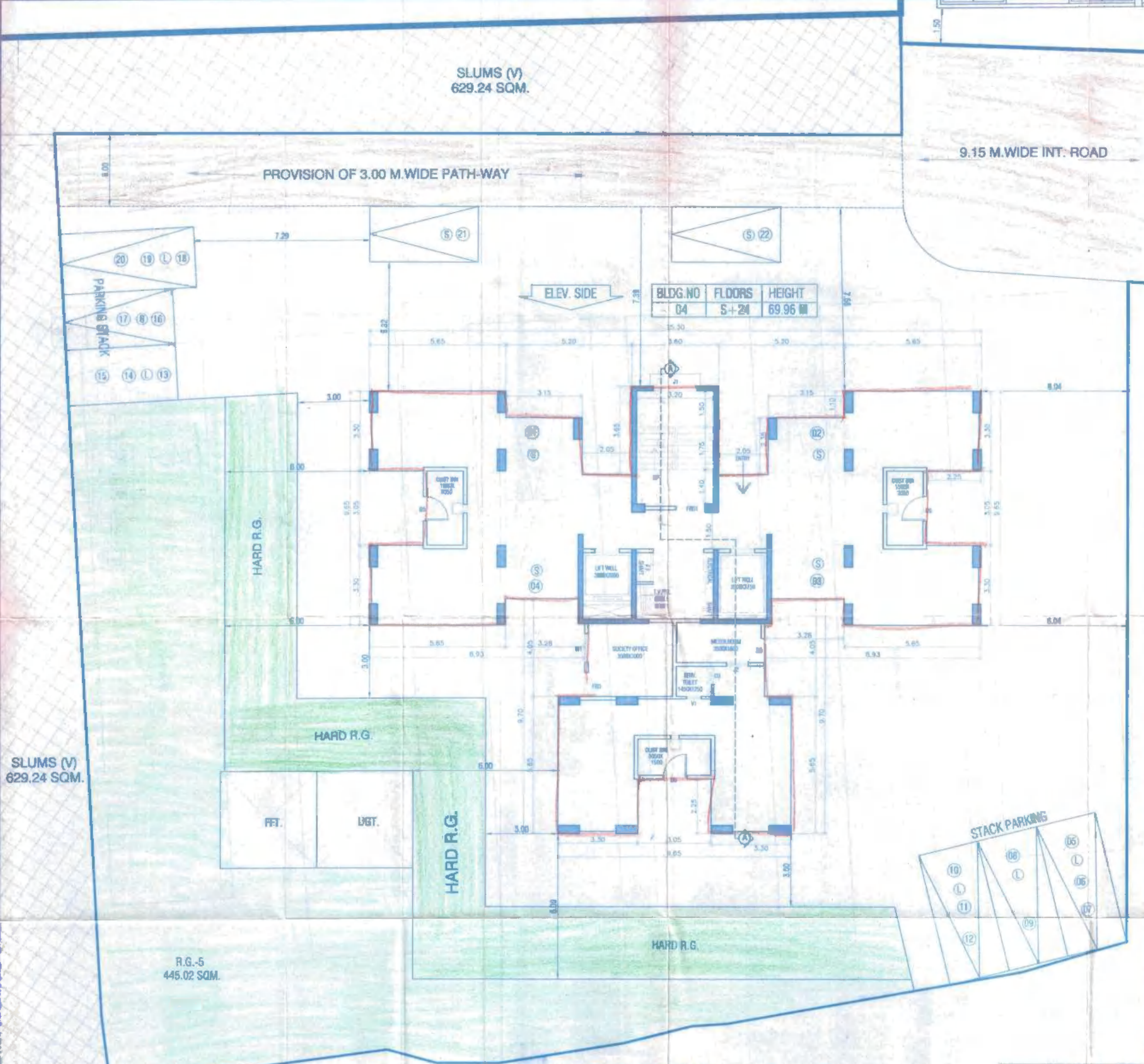
EX. ENGINEER (CITY)
 MUMBAI HOUSING & URBAN DEVELOPMENT BOARD, MUMBAI

TYPE- EWS-I TEN - 139 T/S STR. - S+24

महाडा
 GRIHA NIRMAN BHAVAN, KALANAGAR, BANDRA (EAST), MUMBAI - 400058
 PHONE: 28605800, 28602577, 28602522.

JOB TITLE: M.H & A.D. BOARD
 LOCATION: ANTOP HILL, WADALA, MUMBAI.

SHEET TITLE: STILT FLOOR PLAN
 - 20/2008 DRG. BGS / BHADA ANTOP HILL / BLDG NO-04 / NO. STILT FLOOR PLAN / SD / ARCH-2



STILT FLOOR PLAN



LEGEND	DRWING	SCALE	DATE
PROPOSED WORK	CHKD.	1:100	
R.C.C. AREA	DESIGN & CHECKED		
PROP. ROADS	APPD.		
DIR. TO BE DEMOLISHED			

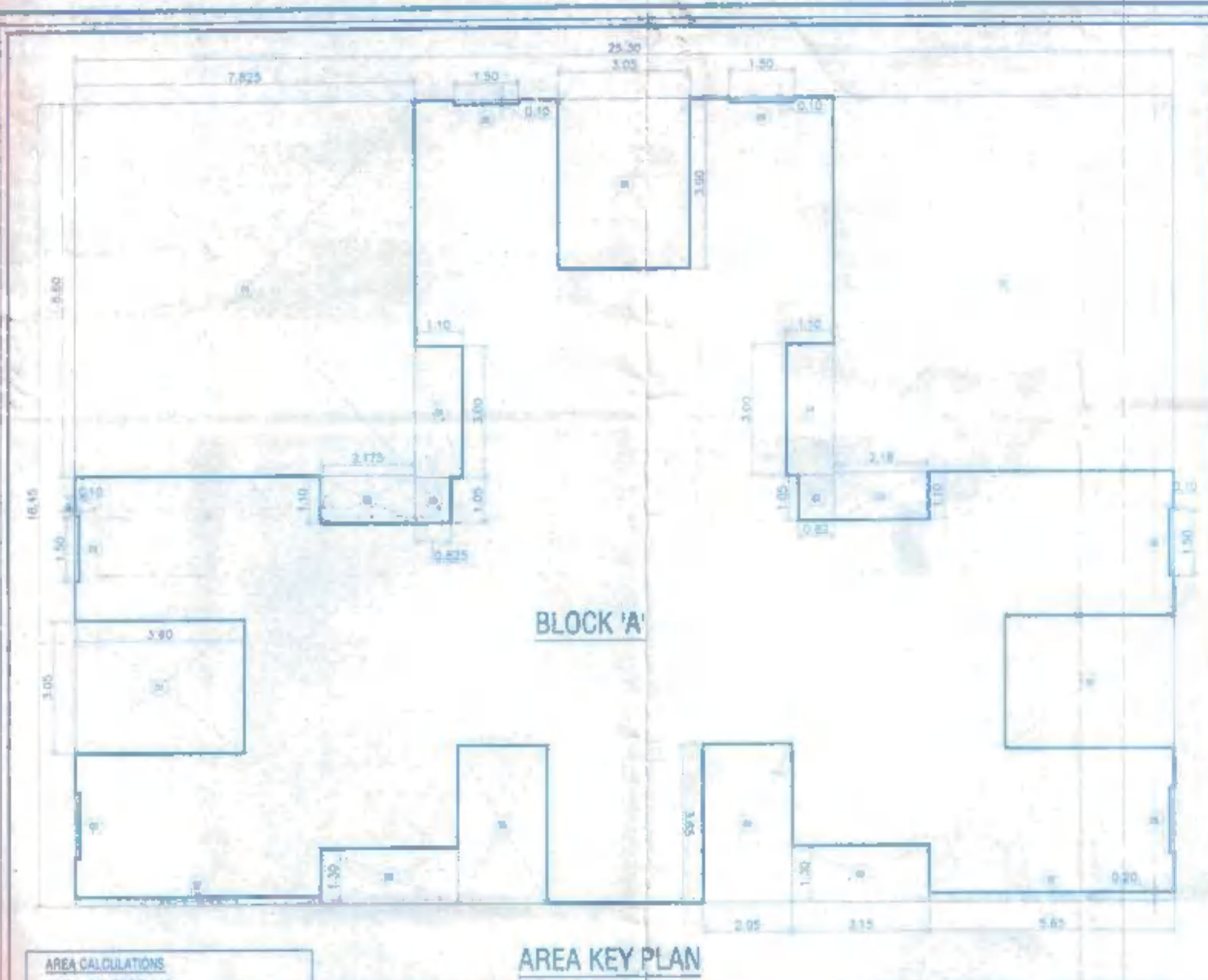
1. READ THIS DWG. IN CONNECTION WITH ITEMS OF WORK, STRUCTURAL & SERVICES DWG.
 2. ONLY FIGURED DIMENSIONS SHALL BE FOLLOWED.
 3. ALL DIMENSIONS ARE IN MM. UNLESS NOTED OTHERWISE.

REV.	REVISION	DATE	BY

SLUMS (V)
 629.24 SQM.

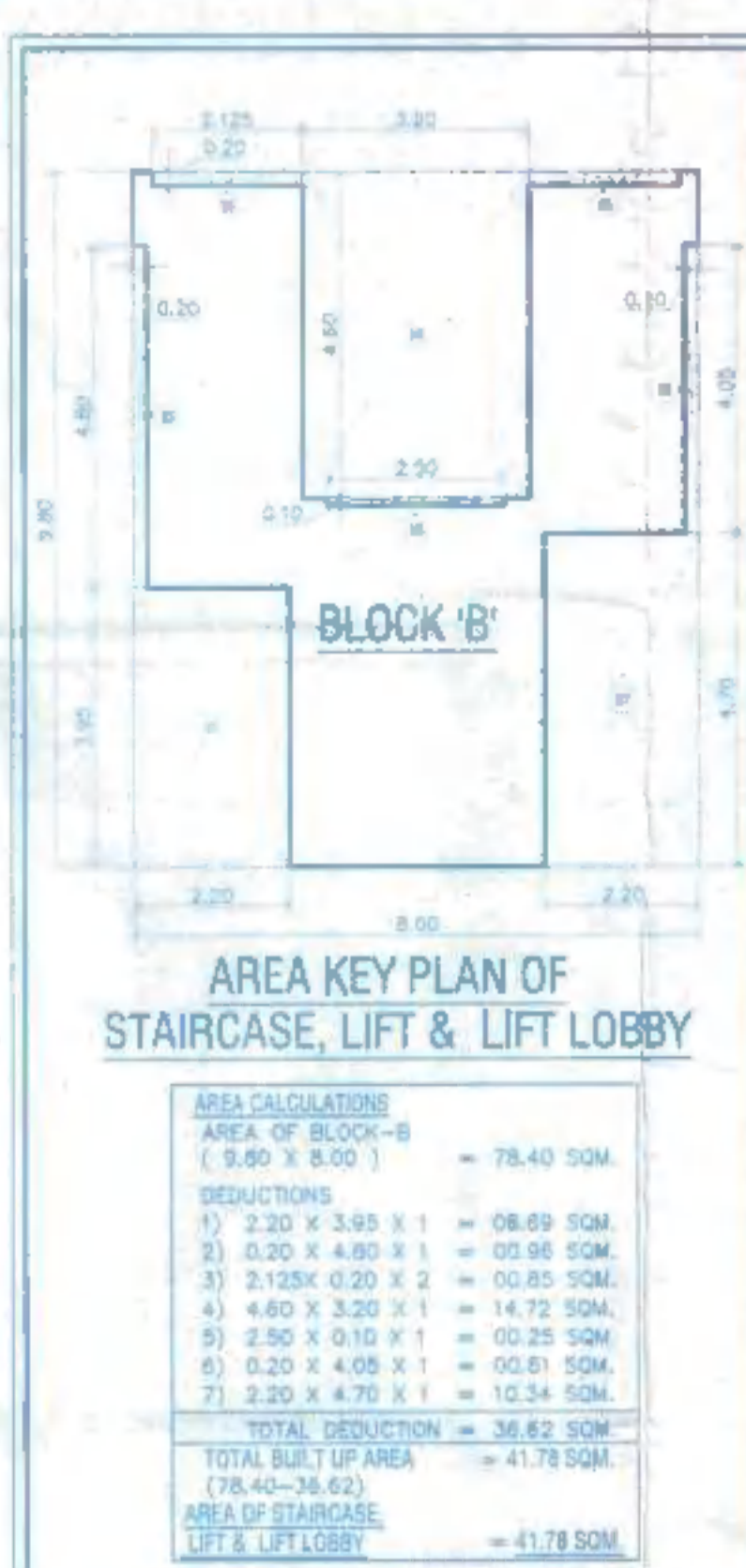
R.G.-5
 445.02 SQM.

STAMP OF RECEIPT
 STAMP OF APPROVAL OF PLAN
 APPROVED Subject to conditions mentioned
 this office No. CHE / 137 / (SP-CELL) / AFM / 133
 11 JAN 2010
 Engr. (B.A.) Spl. Cell



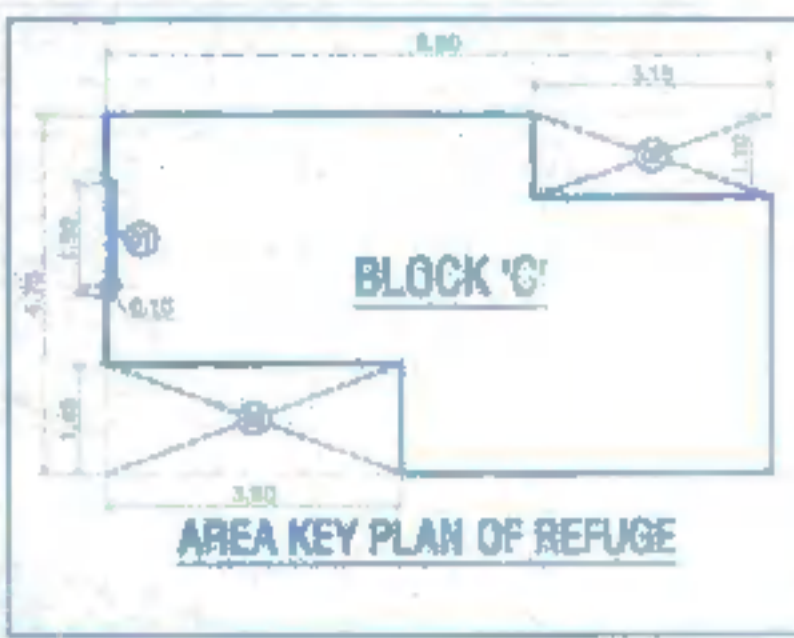
AREA CALCULATIONS
 AREA OF BLOCK-A
 (26.30 X 18.45) = 486.78 SQM
 DEDUCTIONS
 1) 7.825 X 8.60 X 2 = 134.59 SQM
 2) 2.175 X 1.10 X 2 = 04.78 SQM
 3) 0.825 X 1.05 X 2 = 01.73 SQM
 4) 0.10 X 0.10 X 6 = 00.60 SQM
 5) 03.05 X 3.90 X 3 = 35.68 SQM
 6) 05.65 X 0.20 X 2 = 02.26 SQM
 7) 03.15 X 1.30 X 2 = 08.19 SQM
 8) 2.05 X 3.65 X 2 = 14.96 SQM
 TOTAL DEDUCTION = 208.69 SQM
 BUILT UP AREA OF BLOCK-A = 278.09 SQM
 (486.78 - 208.69)

AREA KEY PLAN



AREA KEY PLAN OF STAIRCASE, LIFT & LIFT LOBBY

AREA CALCULATIONS
 AREA OF BLOCK-B
 (9.60 X 8.00) = 76.80 SQM
 DEDUCTIONS
 1) 2.20 X 3.95 X 1 = 08.69 SQM
 2) 0.20 X 4.80 X 1 = 09.60 SQM
 3) 2.125 X 0.20 X 2 = 08.50 SQM
 4) 4.60 X 3.20 X 1 = 14.72 SQM
 5) 2.50 X 0.10 X 1 = 00.25 SQM
 6) 0.20 X 4.05 X 1 = 08.10 SQM
 7) 2.20 X 4.75 X 1 = 10.45 SQM
 TOTAL DEDUCTION = 36.62 SQM
 TOTAL BUILT UP AREA = 40.18 SQM
 AREA OF STAIRCASE, LIFT & LIFT LOBBY = 41.78 SQM



AREA KEY PLAN OF REFUGE

AREA OF BLOCK-C
 (8.80 X 4.75) = 41.80 SQM
 DEDUCTIONS:-
 01) 0.10 X 1.90 X 01 = 00.19 SQM
 02) 3.15 X 1.10 X 01 = 03.46 SQM
 03) 3.90 X 1.45 X 01 = 05.65 SQM
 TOTAL = 09.30 SQM
AREA OF BLOCK-C
 (41.80 - 09.30) = 32.54 SQM
REFUGE AREA @ 8TH & 15TH FL. LVL.
 (32.54 X 2) = 65.08 SQM
REFUGE AREA @ 22TH FL. LVL.
 = 32.54 SQM

REFUGE AREA STATEMENT :-
 FOR 8TH FLOOR:-
 AREA OF 8TH TO 14TH FLOOR = 1442.09 SQM
 [(257.09-41.78)(NOF)-65.08(REFUGE AREA)]
 [1507.17-65.08]
REQUIRED REFUGE AREA = 57.66 SQM
 (4% OF 1442.09 SQM)
TOTAL PROVIDED REFUGE AREA = 65.08 SQM
 AT 8-TH FLOOR
 FOR 15TH FLOOR:-
 AREA OF 15TH TO 21TH FLOOR = 1442.09 SQM
 [(257.09-41.78)(NOF)-65.08(REFUGE AREA)]
 [1507.17-65.08]
REQUIRED REFUGE AREA = 57.66 SQM
 (4% OF 1442.09 SQM)
TOTAL PROVIDED REFUGE AREA = 65.08 SQM
 AT 15-TH FLOOR
 FOR 22TH FLOOR:-
 AREA OF 22TH TO 24TH FLOOR = 613.39 SQM
 [(257.09-41.78)(NOF)-32.54(REFUGE AREA)]
 [645.83-32.54]
REQUIRED REFUGE AREA = 24.54 SQM
 (4% OF 613.39 SQM)
TOTAL PROVIDED REFUGE AREA = 32.54 SQM
 AT 22-TH FLOOR

AREA CALCULATIONS

FOR BLDG NO 04
 (EXCLUDING STAIRCASE & LIFT WELLS)
BUA OF TYPICAL FLOOR
 AREA OF BLOCK-A = 278.09 SQM
 LESS FSI FREE STR. LIFT & LOBBY AREA = 41.78 SQM
 LESS PROVIDED BAL = NIL
BUA OF TYPICAL FLOOR = 236.31 SQM
BUA OF 8-TH & 15-TH FLOOR
 AREA OF BLDG-A = 278.09 SQM
 LESS FSI FREE STR. LIFT & LOBBY AREA = 41.78 SQM
 LESS PROVIDED BAL = NIL
BUA OF 8-TH & 15-TH FLOOR = 236.31 SQM
BUA OF 22-TH FLOOR
 AREA OF BLOCK-A = 278.09 SQM
 LESS FSI FREE STR. LIFT & LOBBY AREA = 41.78 SQM
 LESS PROVIDED BAL = NIL
 LESS REFUGE AREA = 32.54 SQM
BUA OF 22-TH FLOOR = 193.77 SQM
F.S.I. BUA OF PER WING = 627.54 SQM
 (2*3.15 X 21) = (157.83 X 0.01) = 157.83

OTHER BUA PER WING = 11.14 SQM
 (11.14 - 8.73)
TOTAL BUA = 838.88 SQM
 (627.54 + 11.14)
PERMISSIBLE FUNGIBLE BUA
 (1036.861/30X30) = 4306.33 SQM
F.S.I. BUA
 (2036.86/1308.83) = 8732.35 SQM

FSI BUA OF BUILDING NO 04
 (INCLUDING STAIRCASE, LIFT & LIFT LOBBY)
FSI BUA OF BUILDING = 3732.35 SQM

CARPET AREA

CARPET AREA CALCULATIONS		
ROOM	SIZE	AREA
LIVING ROOM	3.00 X 3.50	10.50 SQM
KITCHEN	2.50 X 2.00	5.00 SQM
LOBBY	1.05 X 1.00	1.05 SQM
BED ROOM	2.65 X 3.00	7.95 SQM
W.C.	1.25 X 0.90	1.12 SQM
BATH	1.50 X 1.50	2.25 SQM
TOTAL		29.87 SQM

SCHEDULE OF DOORS & WINDOWS

SR. NO.	TYPE	SIZE	DESCRIPTION
1	ED	3100X2100	
2	CD3	1350X2100	
3	CD4	1150X2100	
4	FRD1	1050X2000	
5	FRD2	1200X2000	
6	FRD3	1200X1800	
7	D2	900X2000	
8	D3	750X2000	
9	D4	1000X1800	
10	D5	1000X2000	
11	D6	1000X2000	
12	OP	900X2100	
13	MD1	1025X1100	
14	MD2	850X1100	
15	W1	1700X1200	
16	W2	1200X900	
17	W3	1200X1200	
18	W4	600X600	
19	J1	1800X1500	PRECAST
20	J4	1000X800	RCC JALI

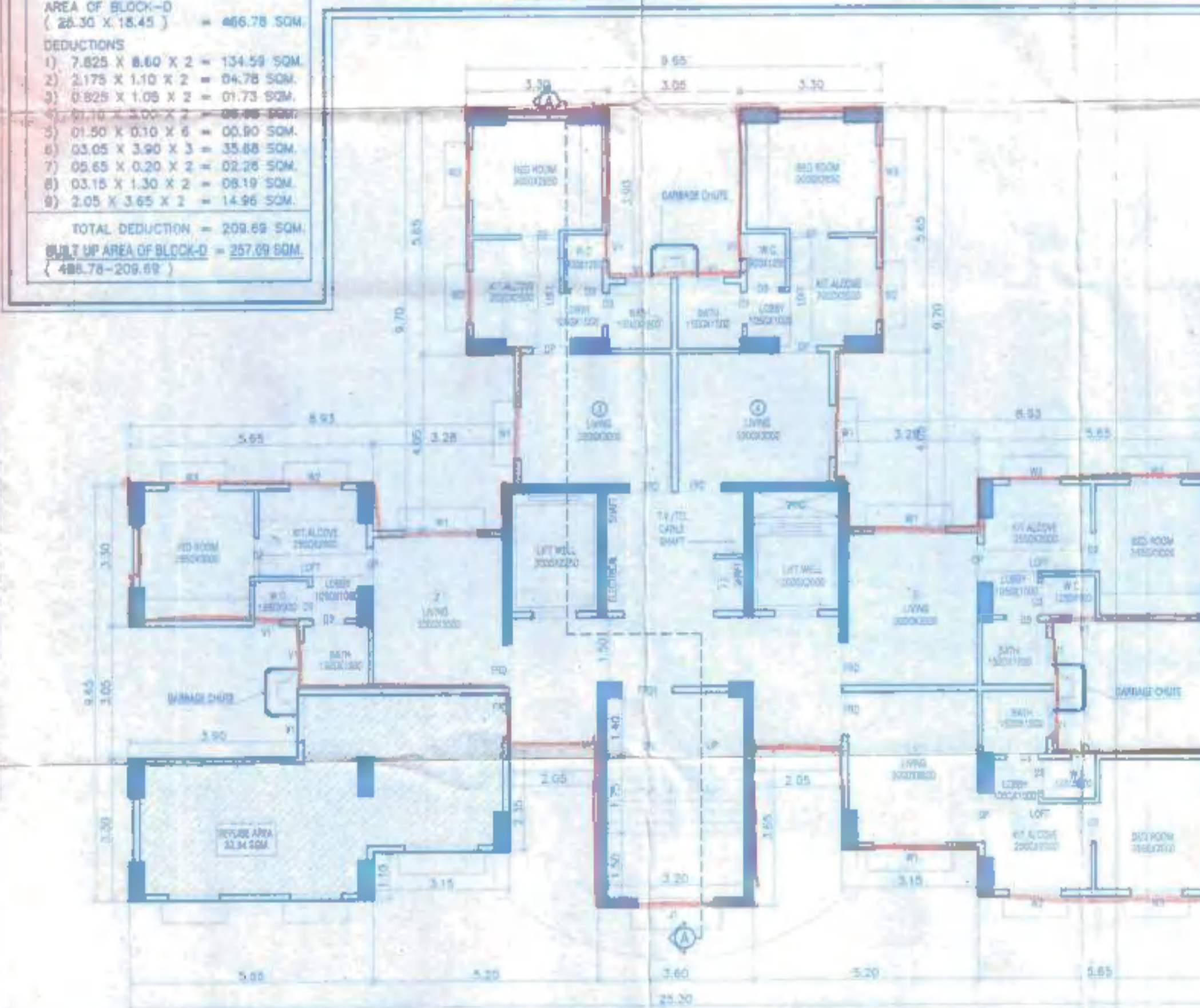
BRIEF SPECIFICATIONS

- FOUNDATION UP TO HARD STRATA.
 - RCC FRAME STRUCTURE WITH PREFAB COLUMNS, BEAMS & SIPREX SLABS FOR FLOOR AND ROOF.
 - CAST IN SITU R.C.C. SLABS FOR TOILET & STAIRCASE.
 - 150 THK. SIPREX BLOCK WALL EXTERNALLY
 - 100 THK. SIPREX MASONRY FOR INTERNAL WALLS AND WALLS FOR ELEVATION TREATMENT
 - SHIRKE-POLYNORM DOORS
 - ALUMINIUM GLAZED WINDOW
 - SAND FACED PLASTER EXTERNALLY
 - NEERU FINISH PLASTER INTERNALLY
- ANTOP HILL, WADALA, MUMBAI.
 *PROJECT
 PROPOSED REDEVELOPMENT OF TRANSIT CAMP WITH TRANSIT, EWS TYPE TENEMENTS, ON C. S. NO. 2/292, 378, 379, 380, 381 & 419 OF MATUNGA DIVISION, AT ANTOP HILL, WADALA, MUMBAI.
 FOR M. H. & A. D. BOARD

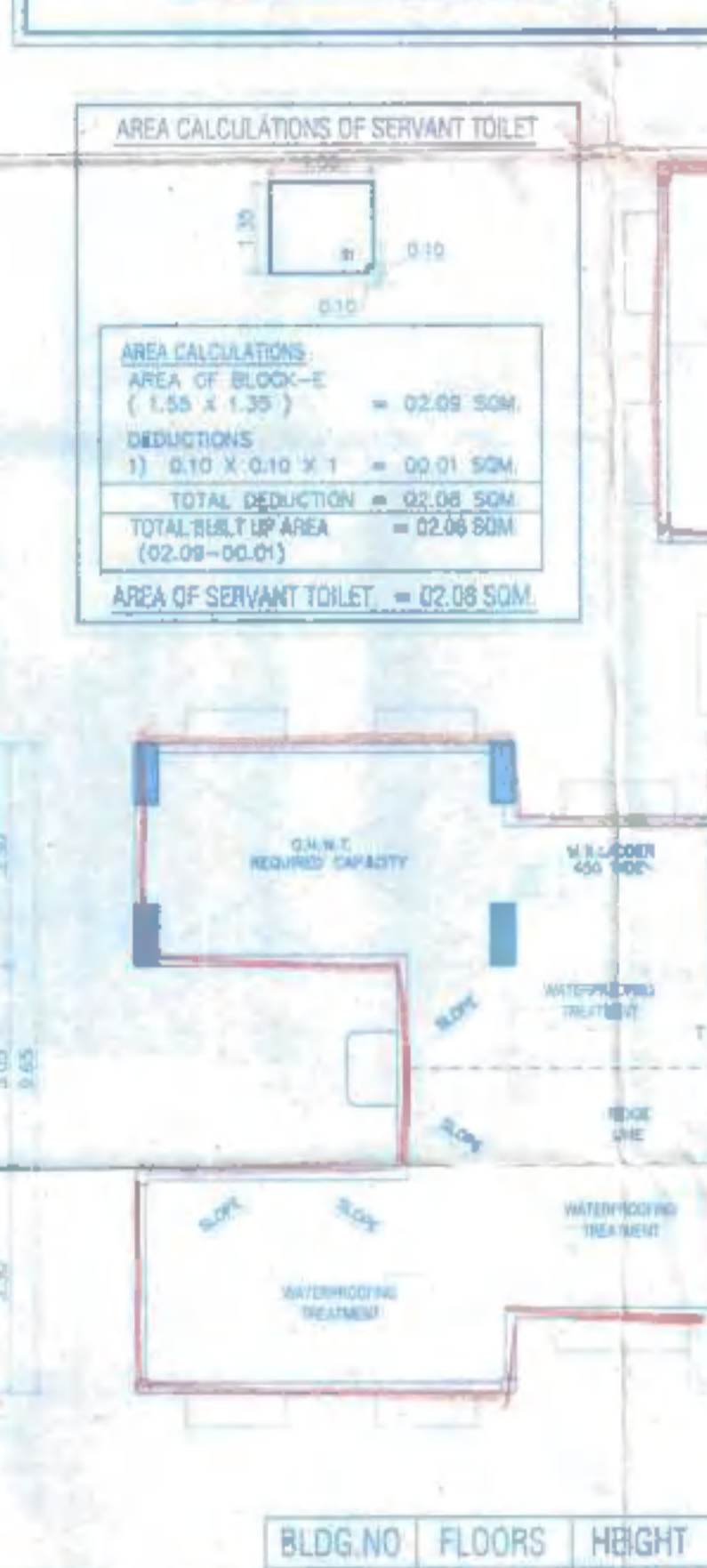
SIGNATURE OF LIC ARCHITECT
 SIGNATURE OF OWNER
 SANDIP W. TANDEL
 ARCHITECT
 LNO-34951070
 ENGR. (CITY)
 MUMBAI HOUSING & AREA DEVELOPMENT BOARD, MUMBAI

TYPE:- EWS-I TEN - 139 T/S STR. - S+24

DATE: 11 JAN 2010



REFUGE FLOOR PLAN 22ND FLOOR ELEV. SIDE



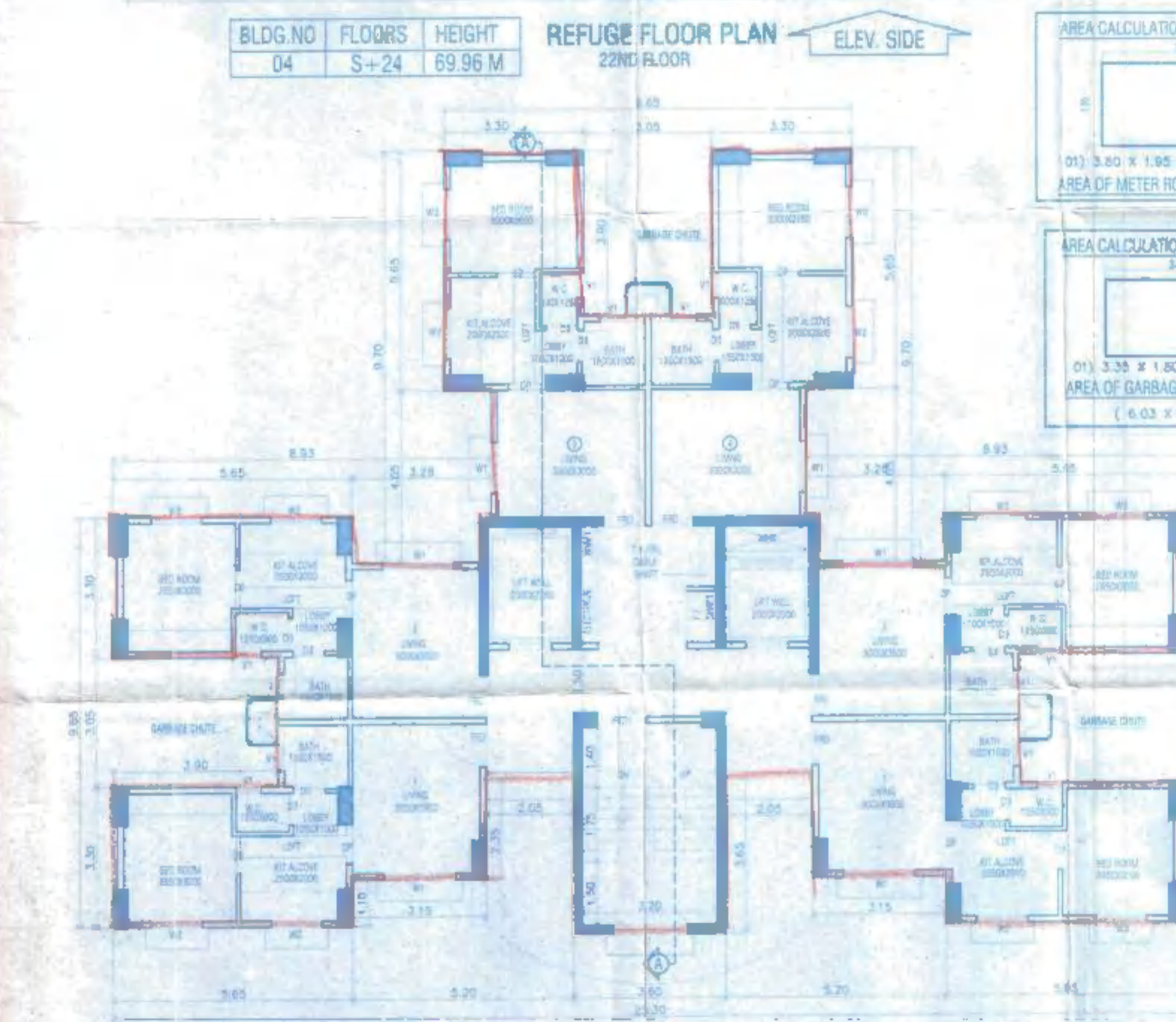
TERRACE FLOOR PLAN ELEV. SIDE

BLDG. NO	FLOORS	HEIGHT
04	S+24	69.96 M

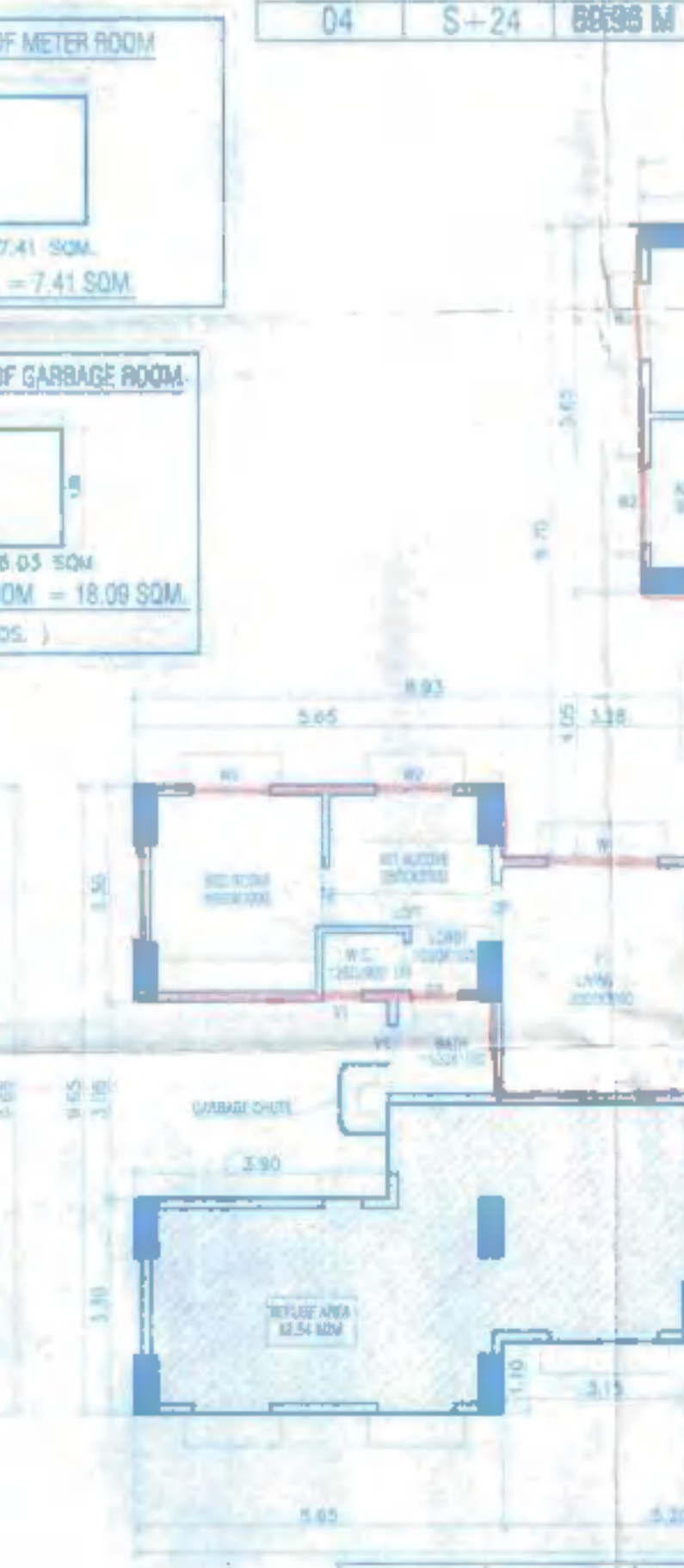
AREA CALCULATIONS OF METER ROOM
 01) 3.80 X 1.95 = 07.41 SQM
AREA OF METER ROOM = 7.41 SQM

AREA CALCULATIONS OF GARBAGE ROOM
 01) 3.35 X 1.80 = 6.03 SQM
AREA OF GARBAGE ROOM = 18.09 SQM
 (6.03 X 3 NOS.)

TOTAL OTHER AREA PER WING
 EWS (S+24)
 SR. NO. TYPE OF OTHER AREA
 1) AREA OF METER ROOMS 7.41 SQM
 2) GARBAGE CHUTE 63.73 SQM
 3) COMPENSATORY FSI 1298.19 SQM
TOTAL OTHER AREA PER WING 1369.33 SQM



TYPICAL FLOOR PLAN (1ST TO 7TH, 9TH TO 14TH, 16TH TO 21ST, 23RD & 24TH FLOOR PLAN) ELEV. SIDE



REFUGE FLOOR PLAN 8TH & 15TH FLOOR ELEV. SIDE

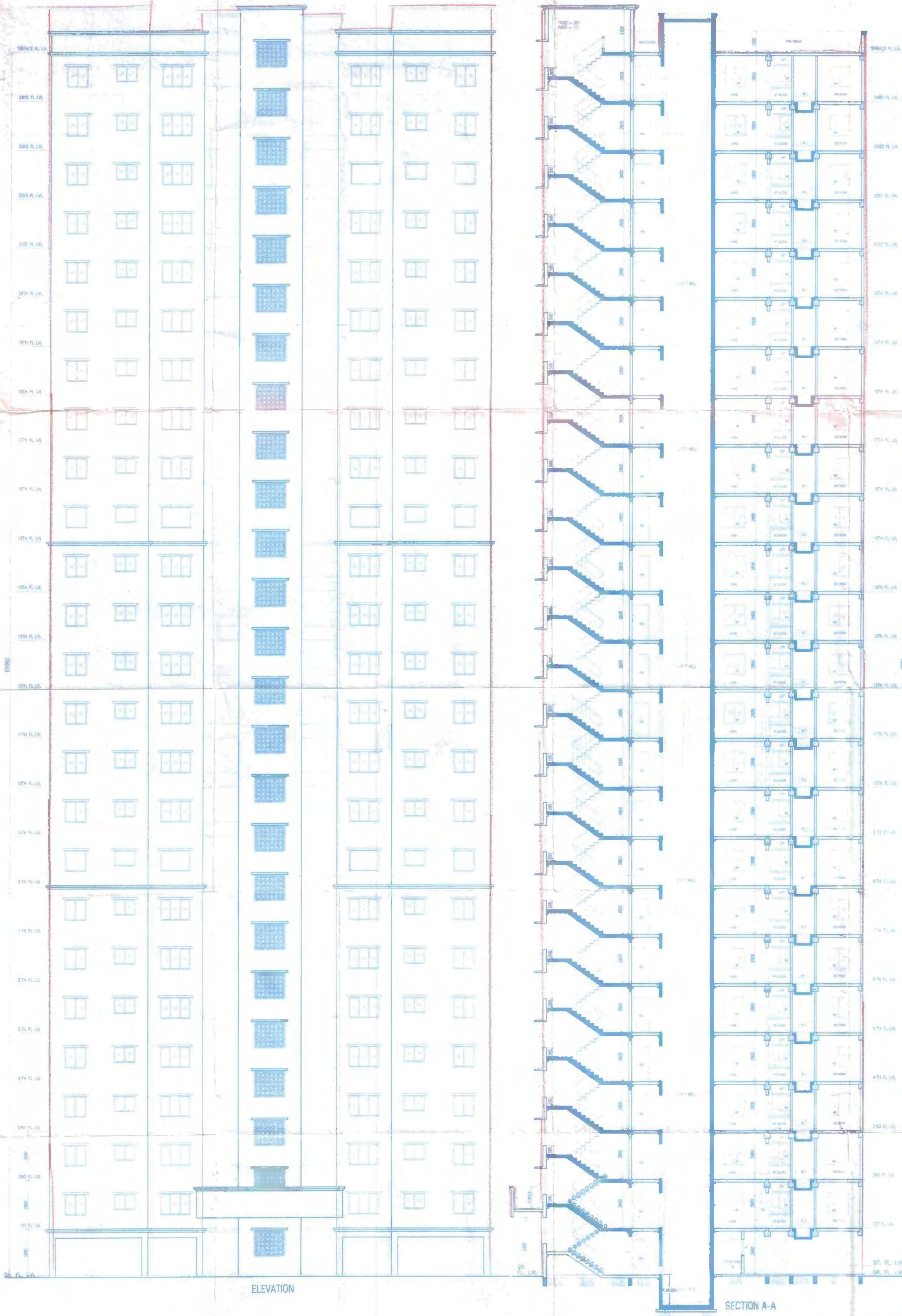
BLDG. NO	FLOORS	HEIGHT
04	S+24	69.96 M

3. READ THIS Dwg. IN CONJUNCTION WITH TERMS & CONDITIONS & SPECIFICATIONS.
 4. ONLY PERMITTED DIMENSIONS SHALL BE FOLLOWED.
 5. ALL DIMENSIONS ARE IN MM UNLESS NOTED OTHERWISE.

DR. BHASKAR D. CHAVHAN
 CHIEF ARCHT.
 DESIGNED BY
 APPROVED BY
 SCALE - 1/100

DATE: 11 JAN 2010

JOB TITLE: M.H. & A.D. BOARD
 LOCATION: ANTOP HILL, WADALA, MUMBAI
 SHEET TITLE: TYPICAL FLOOR PLAN & AREA CALCULATION
 NO. - 20/2008
 NO. TYPICAL FLOOR PLAN & AREA CALCULATION / 160 ARCHS



CARPET AREA

ROOM	SIZE	AREA
LIVING ROOM	3.00 X 3.50	10.50 SQM.
KITCHEN	2.50 X 2.00	5.00 SQM.
LOBBY	1.05 X 1.00	1.05 SQM.
BED ROOM	2.65 X 3.00	7.95 SQM.
W.C.	1.25 X 0.90	1.12 SQM.
BATH	1.50 X 1.50	2.25 SQM.
TOTAL		27.87 SQM.
		299.99 SFT

SCHEDULE OF DOORS & WINDOWS

SR. NO.	TYPE	SIZE	DESCRIPTION
1	CD1	2100X2100	
2	CD3	1350X2100	
3	CD4	1150X2100	
4	FRD1	1000X2000	
5	FRD2	1200X2000	
6	FRD3	1200X1800	
7	D2	900X2000	
8	D3	750X2000	
9	D4	1000X1800	
10	D5	1000X2000	
11	W1	1000X2000	AS PER SPECIFICATIONS
12	W2	900X2100	
13	W3	1025X1100	
14	W4	850X1100	
15	W5	1700X1200	
16	W6	1200X900	
17	W7	1200X1200	
18	V1	600X600	
19	J1	1800X1500	PRECAST RCC JALI
20	J4	1000X600	

BRIEF SPECIFICATIONS

- FOUNDATION UP TO HARD STRATA.
- RCC FRAME STRUCTURE WITH PREFAB COLUMNS, BEAMS & SIPOREX SLABS FOR FLOOR AND ROOF.
- CAST IN SITU R.C.C. SLABS FOR TOILET & STAIRCASE.
- 150 THK. SIPOREX BLOCK WALL EXTERNALLY.
- 100 THK. SIPOREX MASONRY FOR INTERNAL WALLS AND WALLS FOR ELEVATION TREATMENT.
- SHIRRE-POLYNORM DOORS.
- ALUMINIUM GLAZED WINDOW.
- SAND FACED PLASTER EXTERNALLY.
- NEERU FINISH PLASTER INTERNALLY.

ANTOP HILL, WADALA, MUMBAI
 *PROJECT
 PROPOSED REDEVELOPMENT OF TRANSIT CAMP WITH TRANSIT, EWS TYPE TENEMENTS, ON C. S. NO. 2/292, 376, 379, 380, 381 & 419 OF MATUNGA DIVISION; AT ANTOP HILL, WADALA, MUMBAI. FOR M. H. & A. D. BOARD

SIGNATURE OF LIC ARCHITECT: SANDIP W. TANDEL
 SIGNATURE OF OWNER: [Signature]
 ENGINEER (CITY): [Signature]
 MUMBAI HOUSING & AREA DEVELOPMENT BOARD, MUMBAI

TYPE- EWS-I TEN - 139 T/S STR - S-24

DR. BHUJANG BHAVAN, KALANAGAR, BANDRA (EAST), MUMBAI - 400051
 11 JAN 2019
 JOB TITLE: M.H. & A.D. BOARD
 LOCATION: ANTOP HILL, WADALA, MUMBAI
 SHEET TITLE: ELEVATION & SECTION A-A
 SCALE: 1:100

DRG. DATE	REVISION	PROJ. LEAD	DESIGN	CHKD.	APPR.	NOTES
						1. READ THIS DRG. IN CONJUNCTION WITH TERMS OF WORK, STRUCTURAL & SERVICES DRG.
						2. ONLY FIGURED DIMENSIONS SHALL BE FOLLOWED.
						3. ALL DIMENSIONS ARE IN MM UNLESS NOTED OTHERWISE.