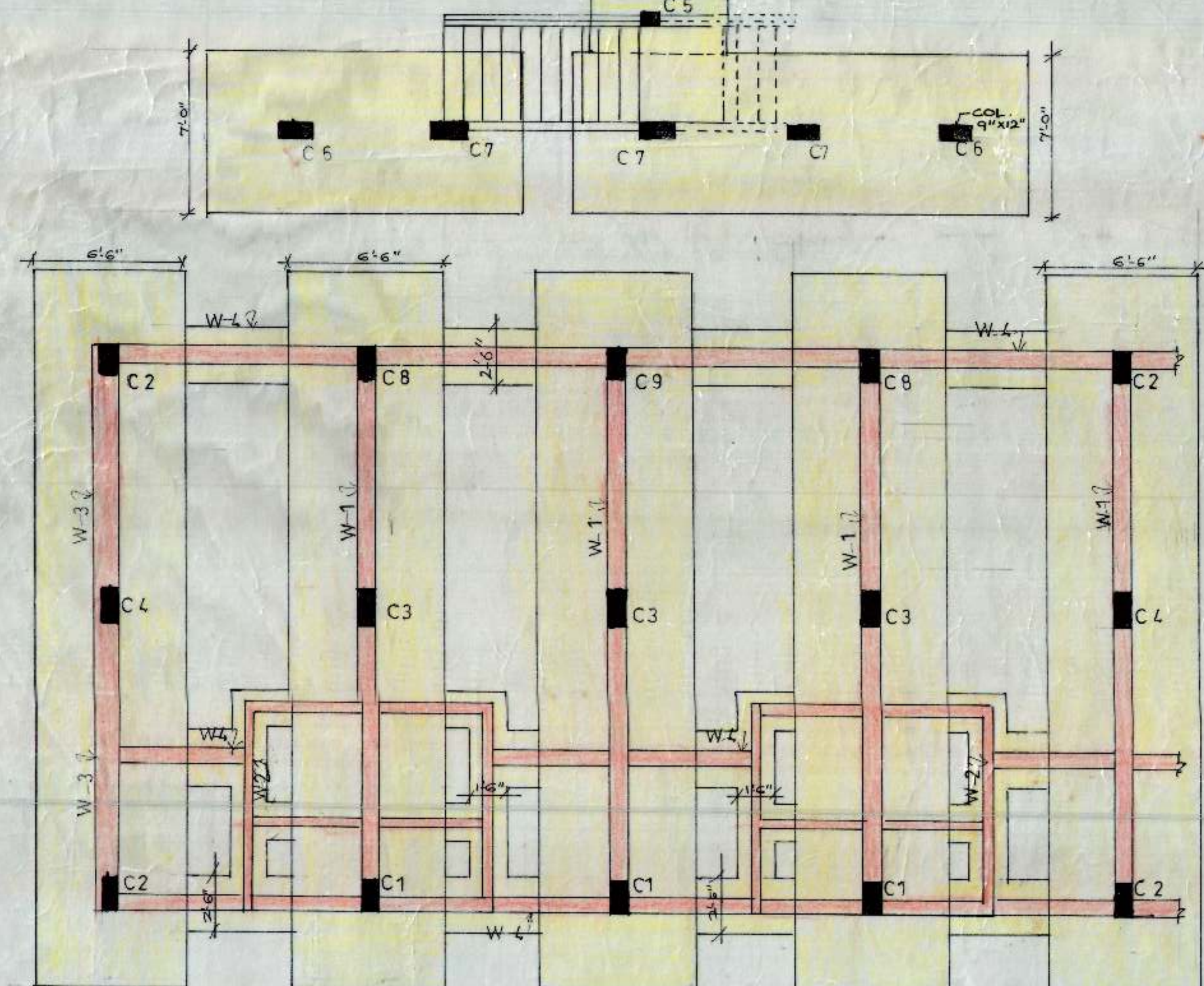
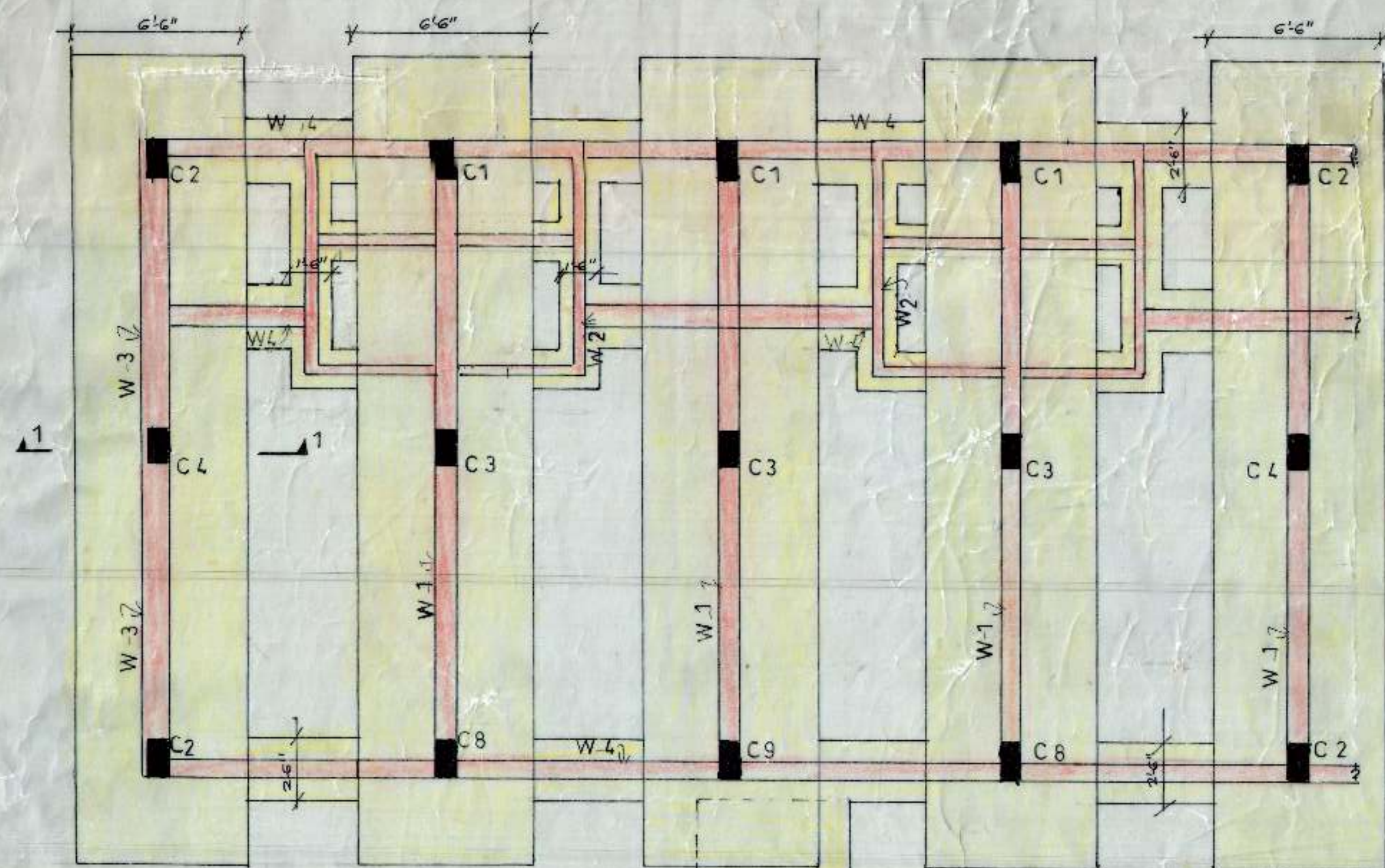
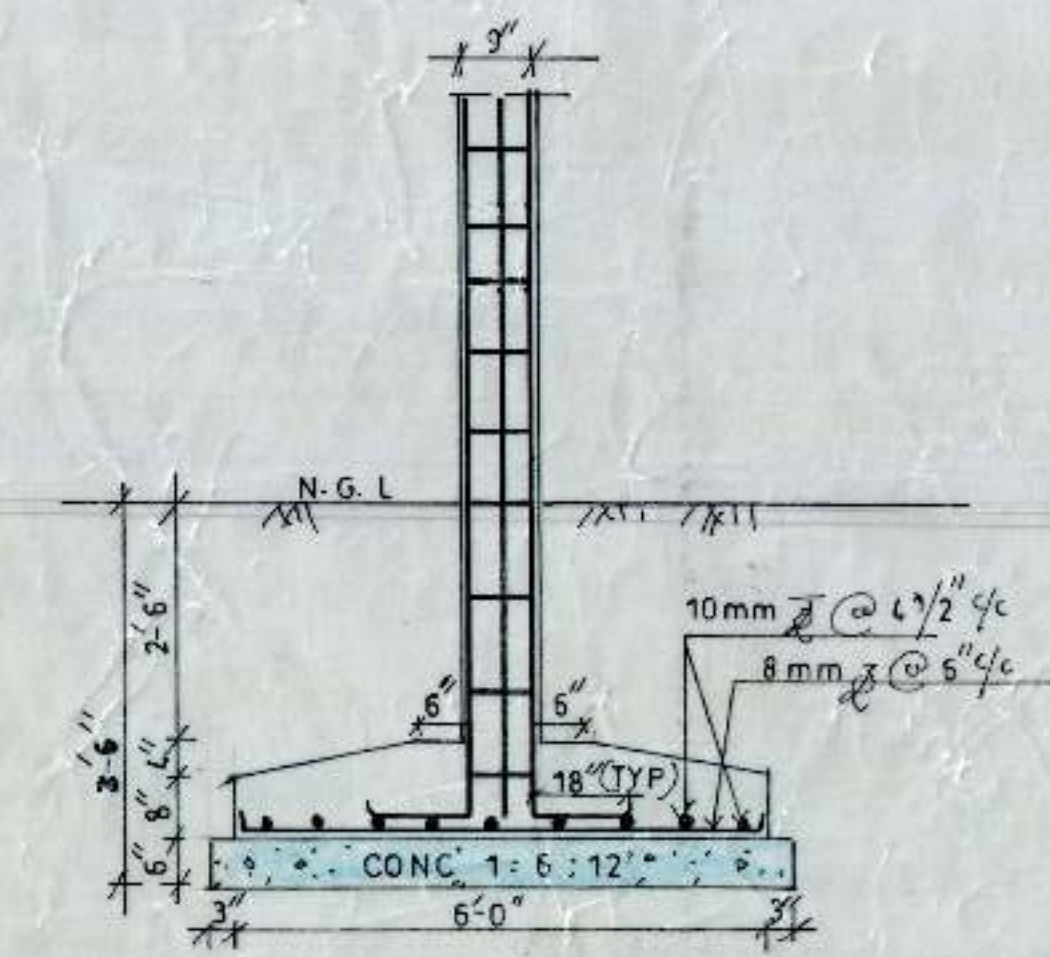


# NOTE:-

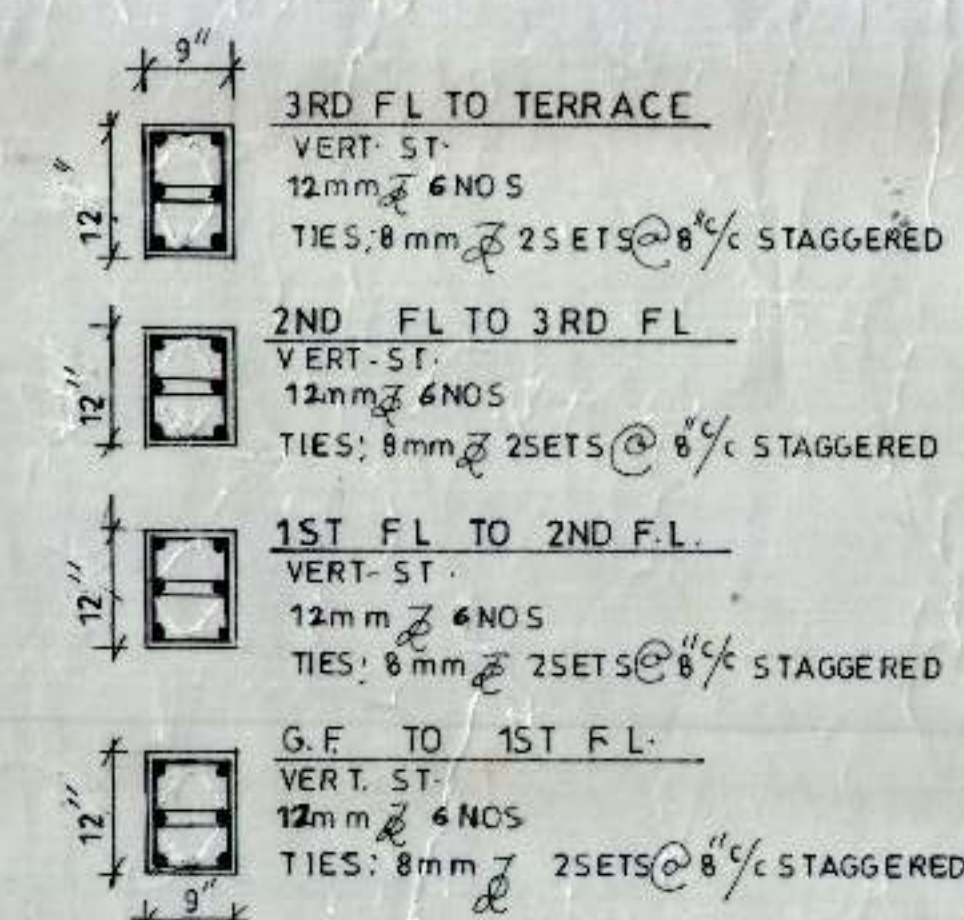
THE STRUCTURE OF E.W.S. HOUSING SCHEME, SECTOR 56, CHANDIGARH HAS BEEN DESIGNED AS COMPOSITE STRUCTURE CONSISTING 9" & 13 1/2" THK WALL HAS INTEGRAL PART OF R.C.C. FRAME WORK TO MAKE THE BUILDING EARTHQUAKE RESISTANT FOR ZONE IV AS IS 1893.



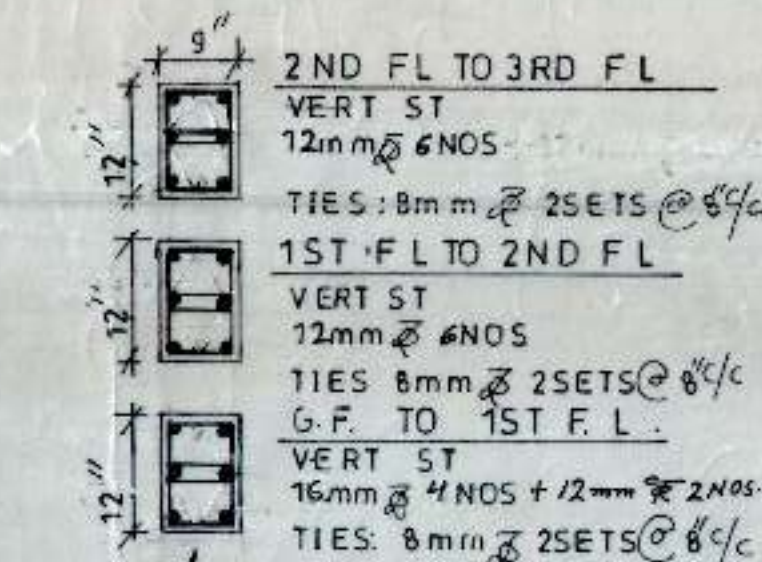
FOUNDATION EXCAVATION & KEY PLAN



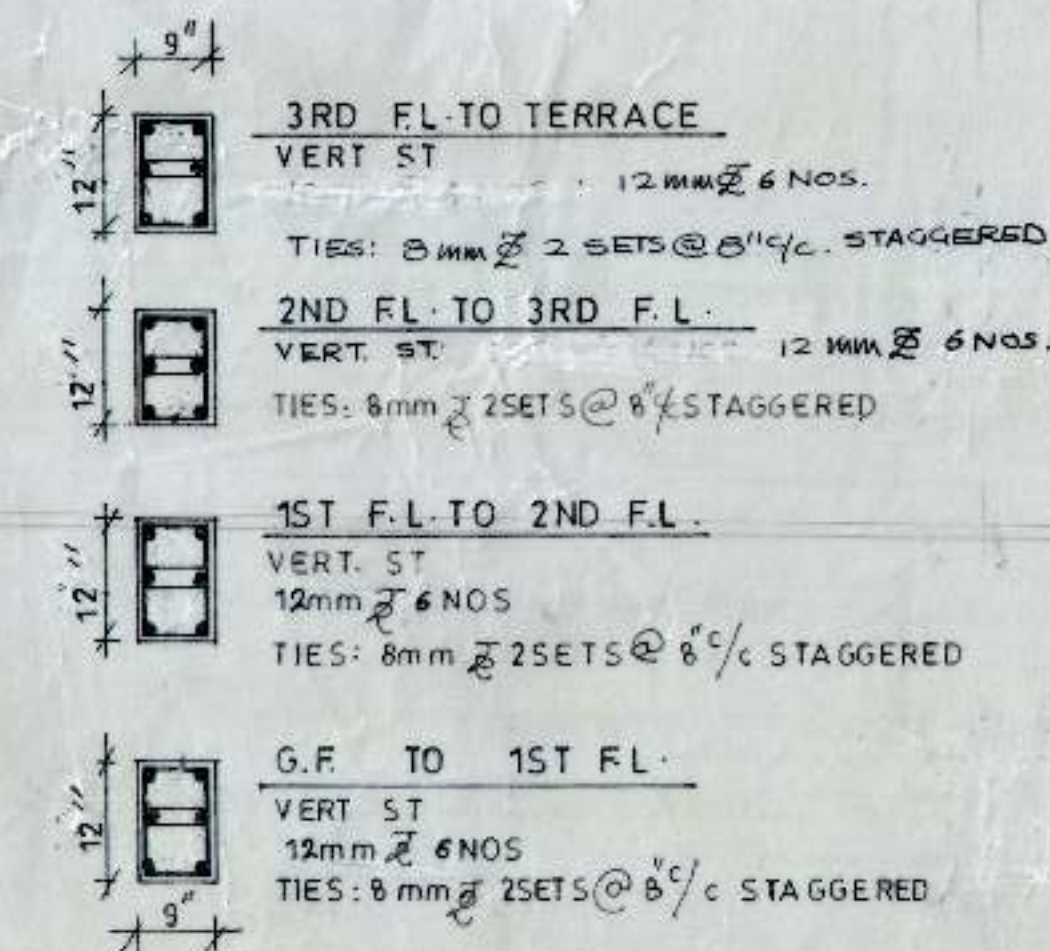
COL FOOTING CONNECTION (TYP)



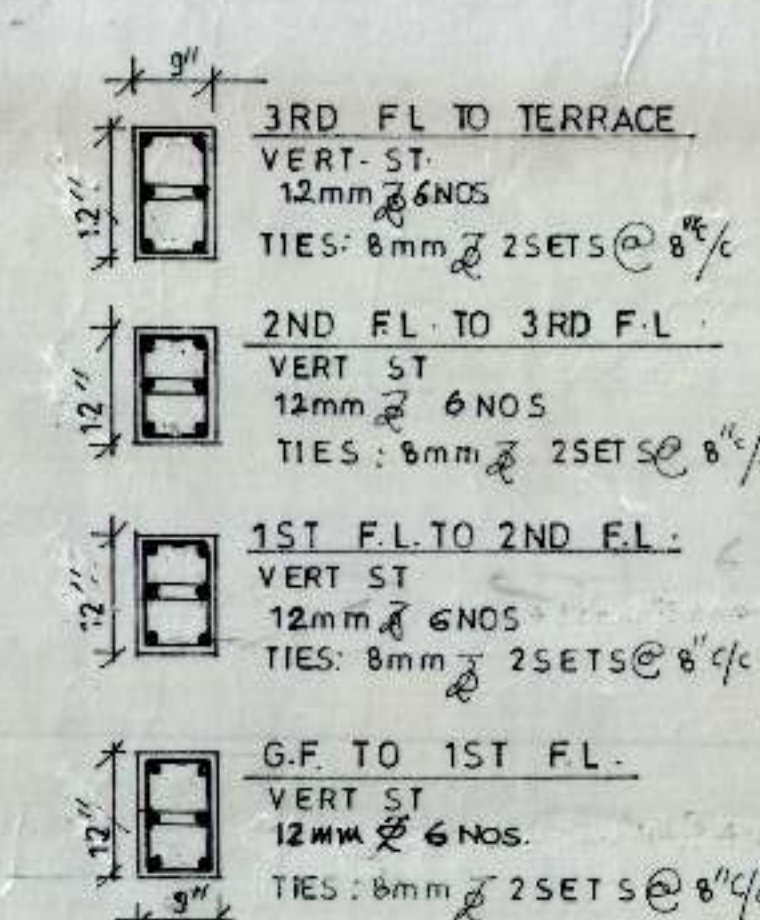
COL-C 3, C 9



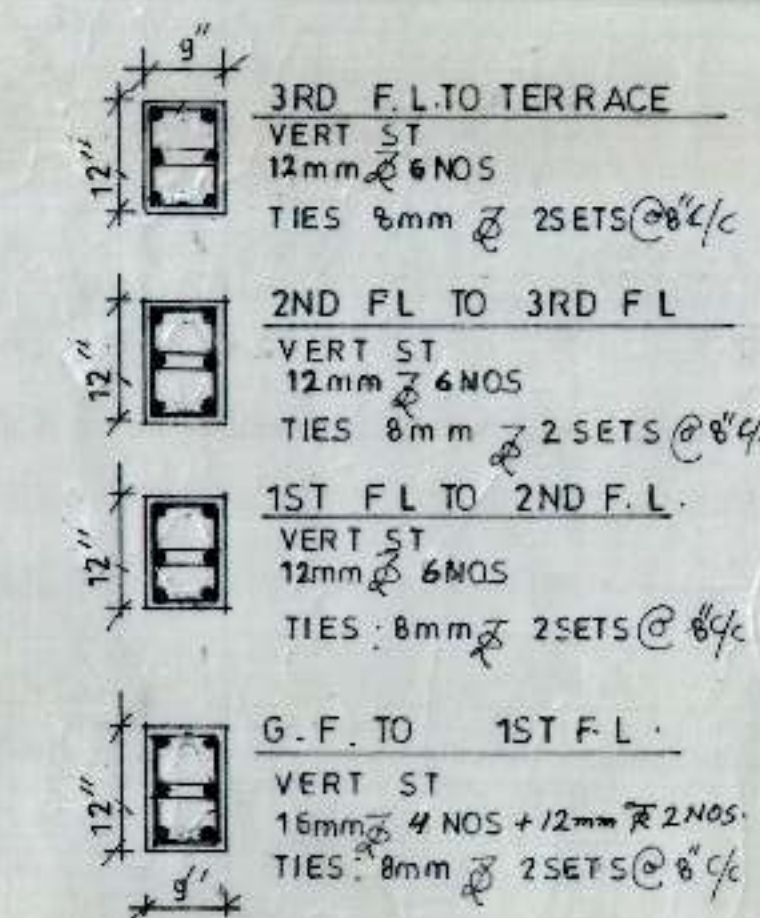
COL-C 6, C-7, C5



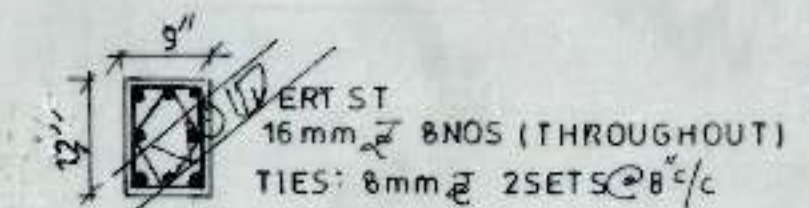
COL C 1



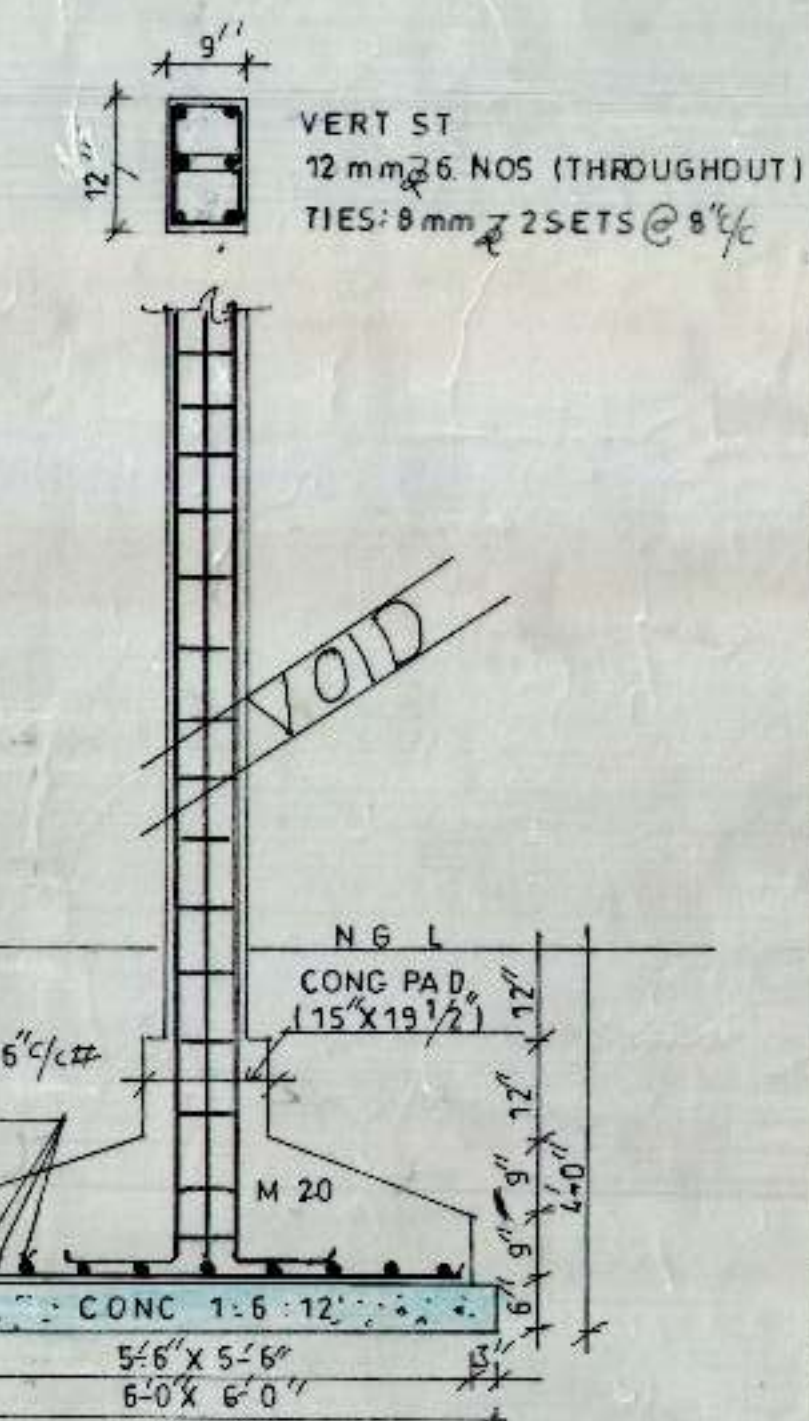
COL-C 4



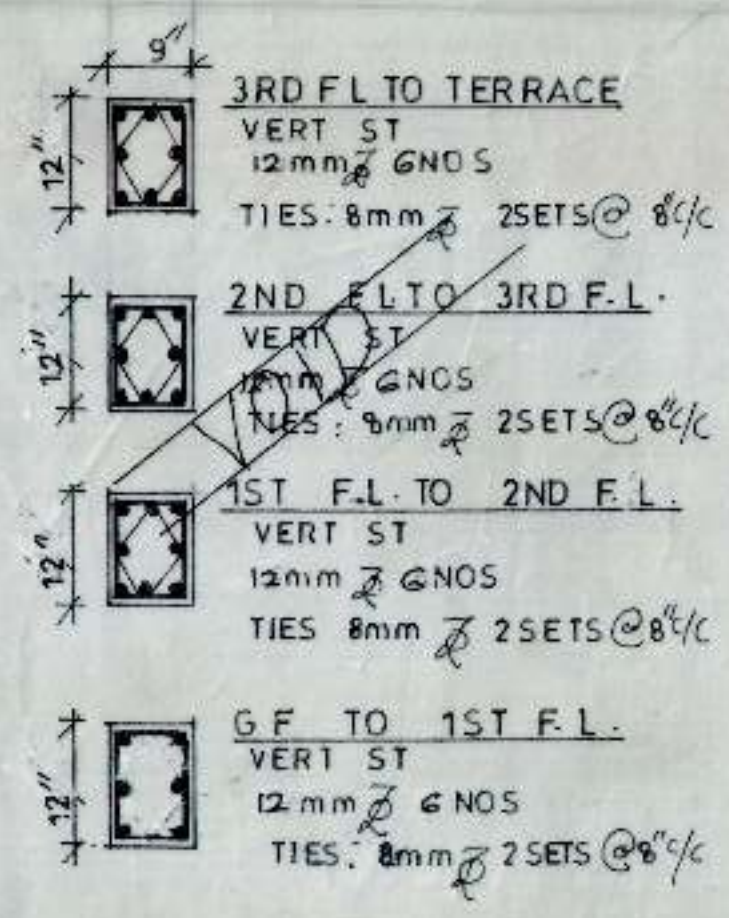
COL-C 8, C-2



COL C 2



COL-C 5



COL C 9

## NOTES

- DIMENSIONS ARE TO BE READ & NOT TO BE SCALED OFF
- ALL FOOTINGS SHOULD REST ON FIRM & CONSOLIDATED SOIL.
- Ø INDICATES DIA OF HYSD BARS OF GRADE Fe415 CONFORMING TO IS 1786-1979.
- FOR CENTRE LINE DIMENSIONS REFER TO ARCH.DWG
- CLEAR COVER TO REINF. IN CASE OF:
  - (i) FOUNDATIONS - 3"
  - (ii) COLUMNS - 1 1/2"
  - (iii) BEAMS - 1"
  - (iv) SLABS - 3/4"
- LAP/ ANCHORAGE LENGTH IN CASE OF:
  - (i) BEAMS & SLABS - 50.d
  - (ii) COLUMNS - 45.d WHERE d IS DIA OF BAR.
- NOT MORE THAN 50% BARS ARE TO BE LAPPED AT ONE LOCATION.
- CONC. USED IS M-20.
- NET SBC OF SOIL IS 9 t/m<sup>2</sup>
- TIES IN COLUMNS BE STAGGERED.
- IN H/E OF COLUMNS FROM TOP & BOTTOM PROVIDE TIES @ 4" C/C WHERE 'H' IS HEIGHT OF COL.
- FOUNDATION SHALL BE LAID ON OVER A WALL COMPACTED SUB GRADE ALL LOOSE PATCHES BURROW ORGANIC MATTER SHALL BE TAKEN OUT RESULTING SPACE BE FILLED WITH P.C.C. 1:2:4
- R.C.C. SHALL BE MACHINE MIXED.
- SPACE LEFT BETWEEN R.C.C. COL. & BRICK WALLS SHALL BE FILLED WITH R.C.C. TO GIVE HORIZ. SURFACE
- CEMENT MORTAR TO BE USED FOR BRICK WALL SHALL BE SPECIFIED IN DRGS.
- DISCREPANCIES BETWEEN DETAILS SHOWN IN THIS DRG. & ARCH. DRGS. IF ANY BE GOT CLERIFIED FROM THIS OFFICE BEFORE EXECUTION.
- ALL JAMBS IN BRICK MASONRY ADJOINING OPENING IN BRICK WALLS SHALL BE CONSTRUCTED IN CM 1:4.
- PROVIDE UNDER CRANK BARS OF 8MM Ø @ 12" C/C MIN. 2 NOS.
- INSERT PLATE MAY BE PROVIDED AT HINGE POINTS OF DOORS & WINDOWS FOR CONNECTION OF DOORS / WINDOW SHOWKAT WITH R.C.C. COL.

SYAL & ASSOCIATES  
F-91, PHASE VII  
INDUSTRIAL AREA  
MOHALI PH(253219)

E.W.S. HOUSING SCHEME  
SECTOR - 56  
CHANDIGARH

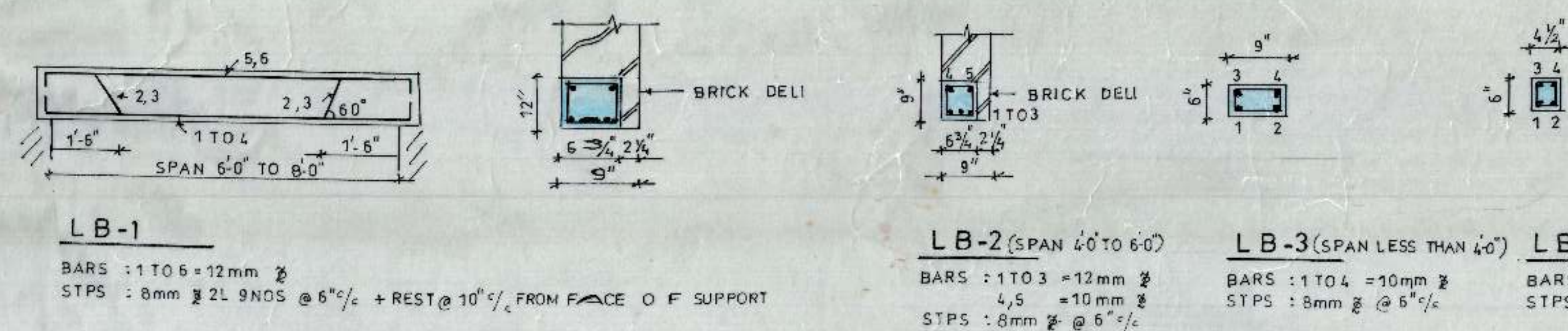
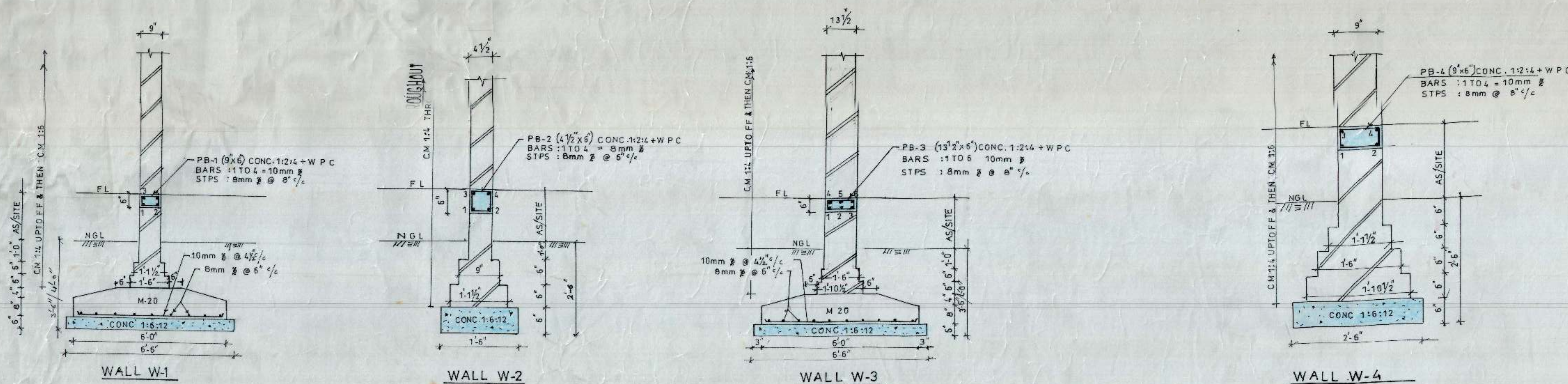
STRUCTURE  
FOUNDATION EXCAVATION & KEY PLAN  
C-1 TO C-9

ENGINEER  
DRAWN BY  
SCALE N T S  
DATE 4-3-2001 DRG NO-S1

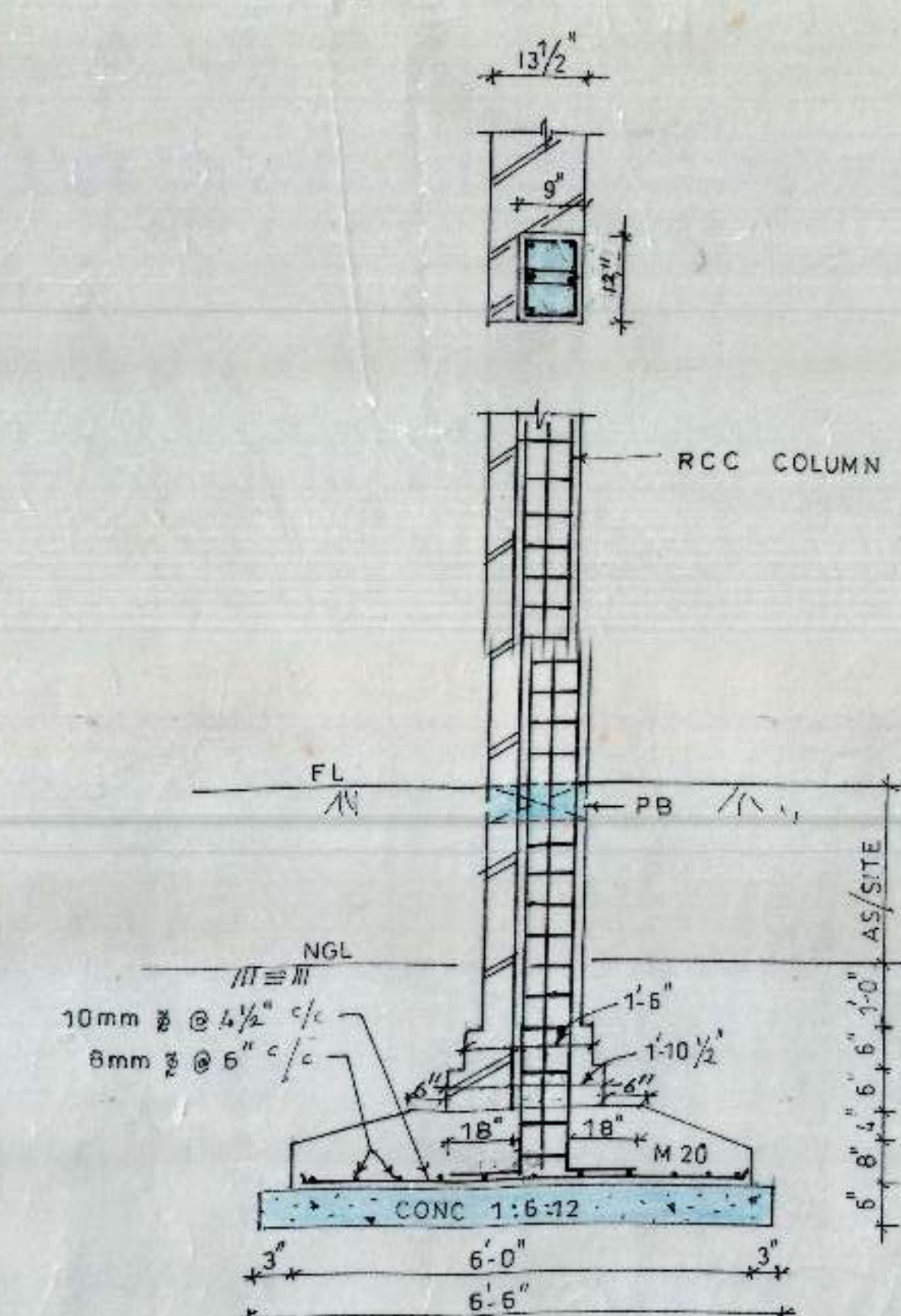


# NOTES

REFER DRG NO S 1



LINTEL BEAMS AT 6'-9" OR AS PER ARCH. DRG.



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 F-91, PHASE VII  
 INDUSTRIAL AREA  
 MOHALI PH: (253219)

E.W.S HOUSING  
 SCHEME SECTOR-56  
 CHANDIGARH

## STRUCTURE

WALL W-1, W-2, W-3, W-4, LINTEL  
 BEAMS, TYP. 13 1/2' WALL SEC.

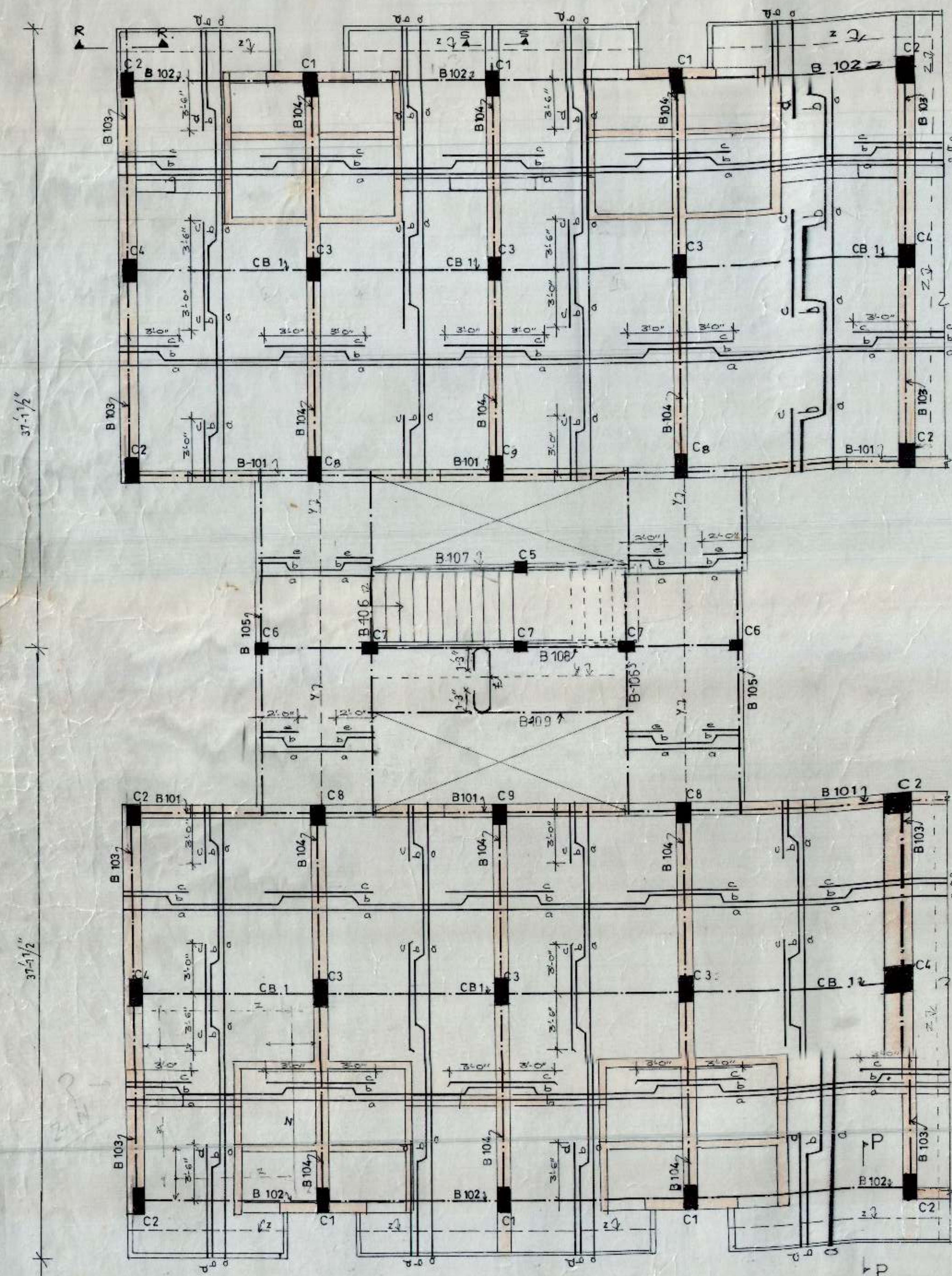
ENGINEER

DRAWN BY Gopal Singh

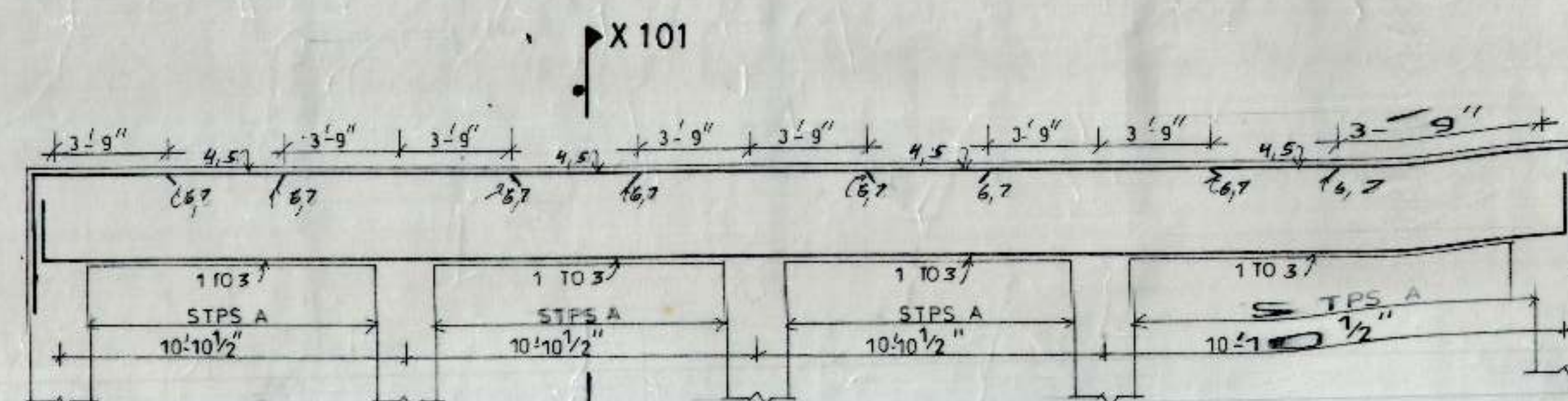
SCALE NTS

DATE : 4-4-2001 DRG NO S 2

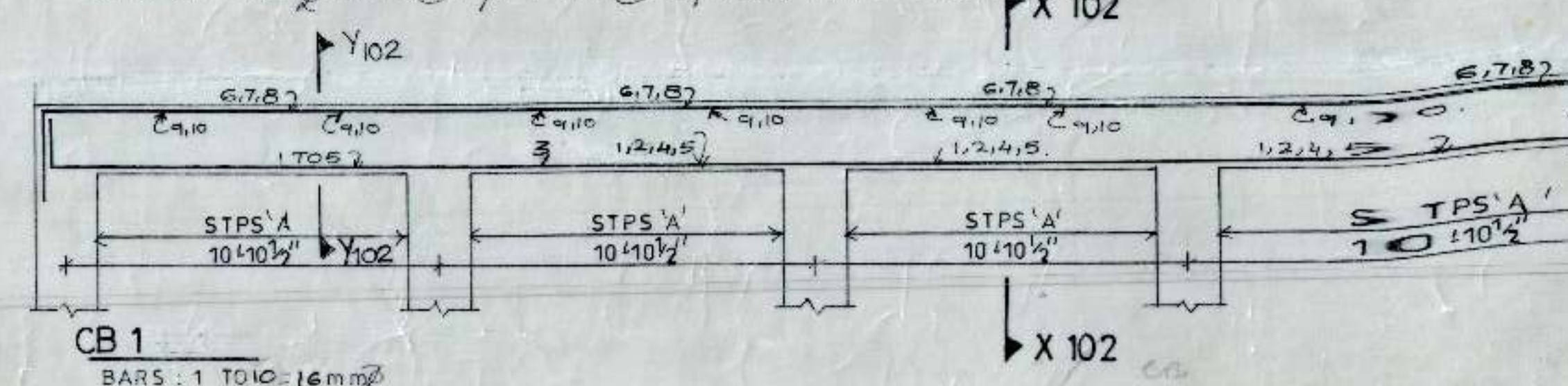




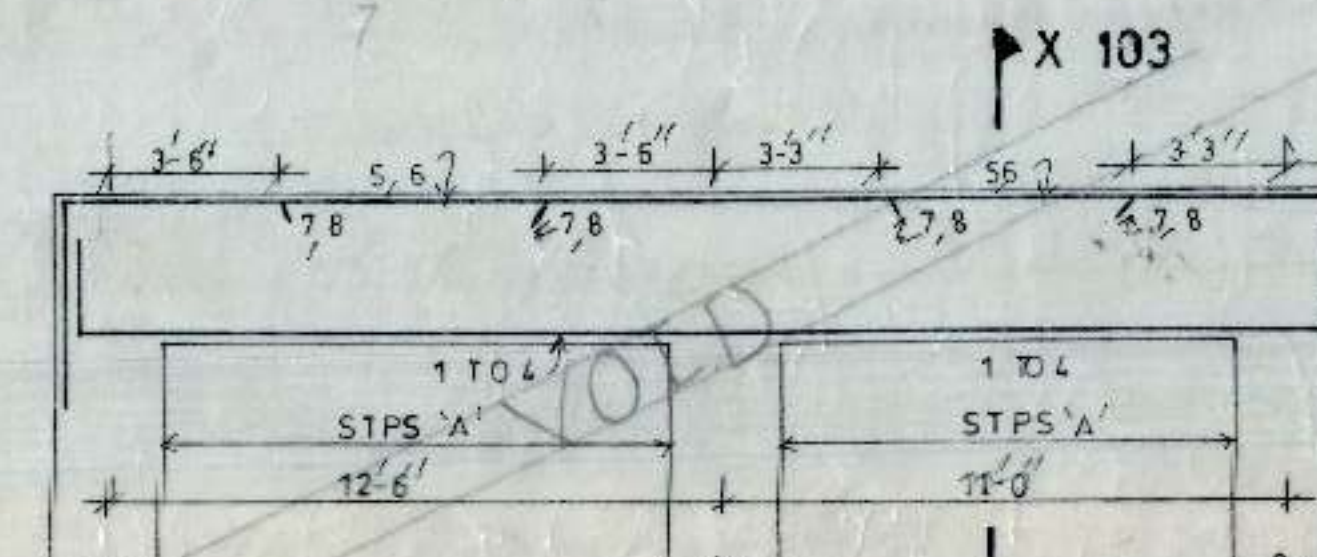
TYPICAL FLOOR ROOF SLAB REINF. DETAIL



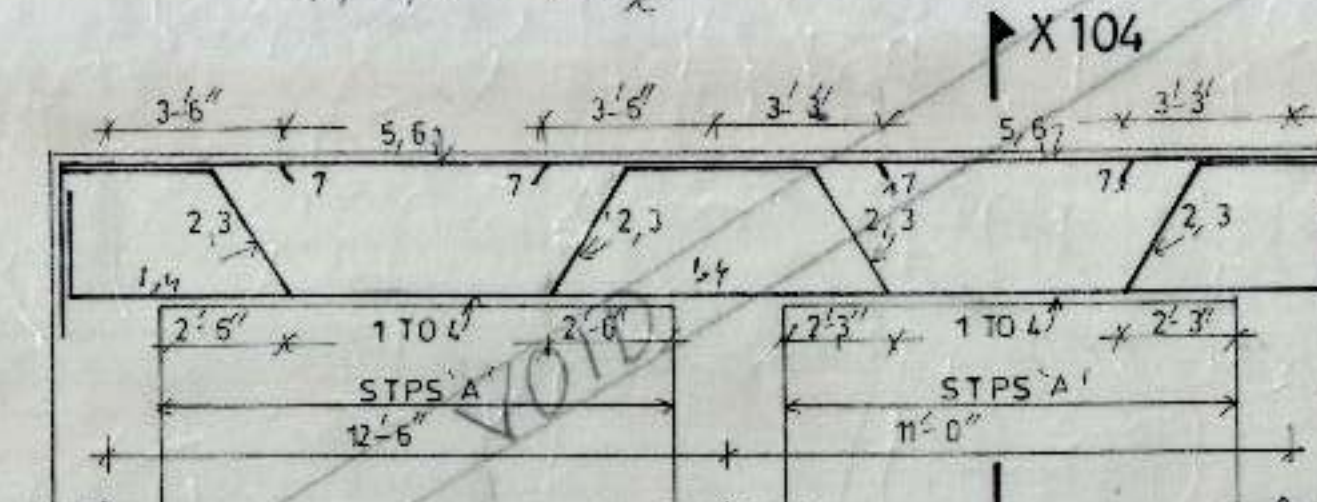
B 101 B 102  
BARS : 1 TO 5 = 12mm  
6, 7 = 12mm  
STPS 'A' : 8mm @ 2L @ 5" c/c + REST @ 8" c/c FROM FACE OF SUPPORTS



CB 1  
BARS : 1 TO 10 = 16mm



B 103  
BARS : 1, 4, 7, 8 = 16mm  
2, 3, 5, 6 = 12mm

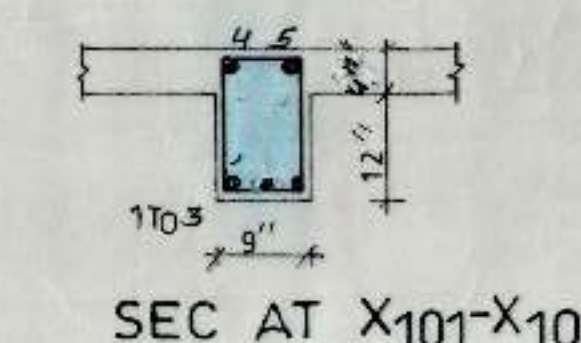


B 104  
BARS : 1 TO 7 = 16mm

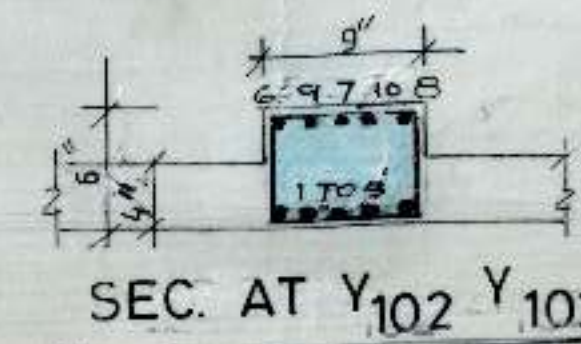
SLAB = 4"  
CONC. = M-20

SCHEDULE OF BARS IN G.F. ROOF SLAB

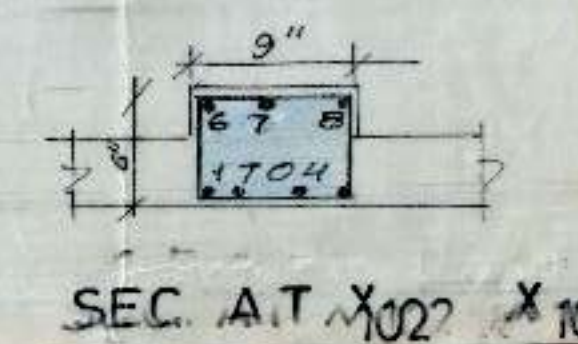
|                             |                  |
|-----------------------------|------------------|
| a, b, e                     | = 8mm @ 14" c/c  |
| c                           | = 10mm @ 18" c/c |
| d                           | = 12mm @ 14" c/c |
| f                           | = 8mm @ 7" c/c   |
| DIST. ST 'y'                | = 8mm @ 10" c/c  |
| DIST. ST 'z' / HOLDING BARS | = 8mm @ 8" c/c   |



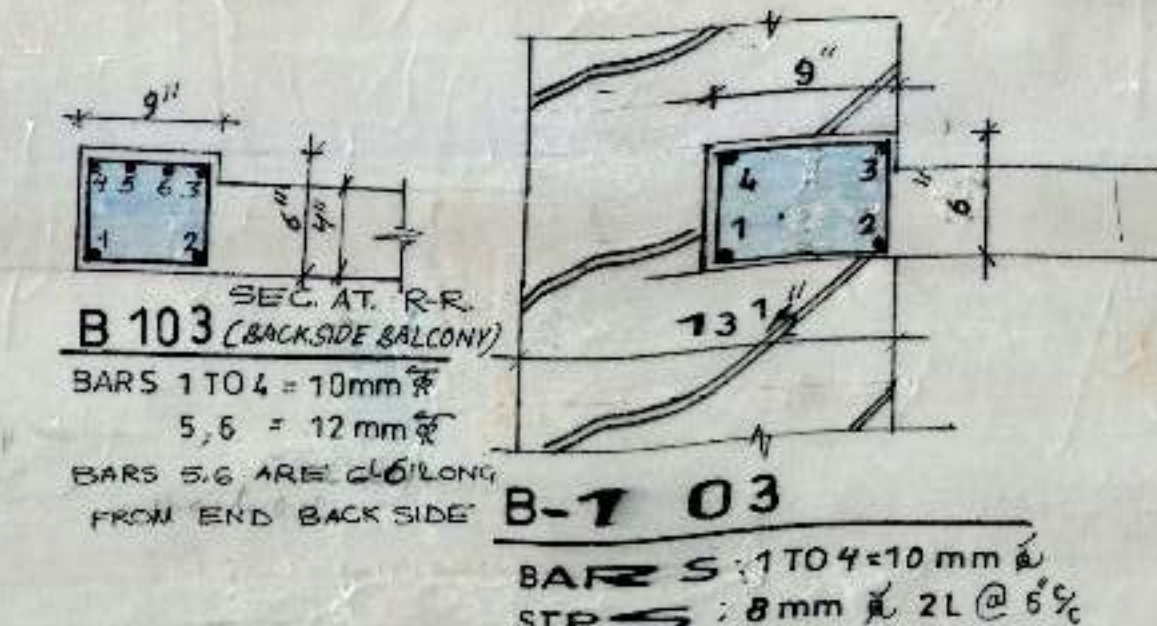
SEC AT X101-X101



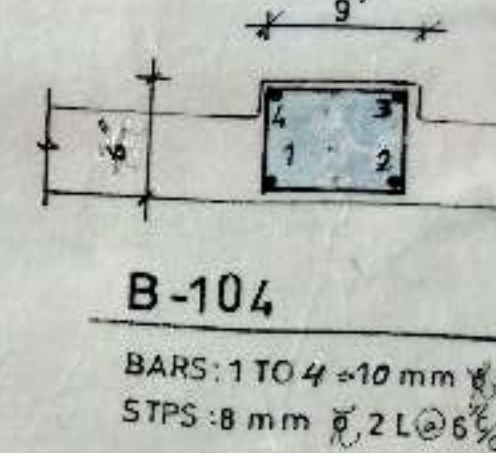
SEC. AT Y102 Y102



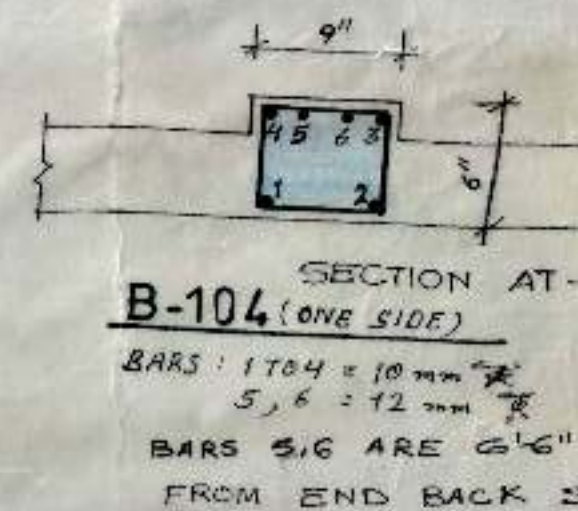
SEC. AT X102 X102



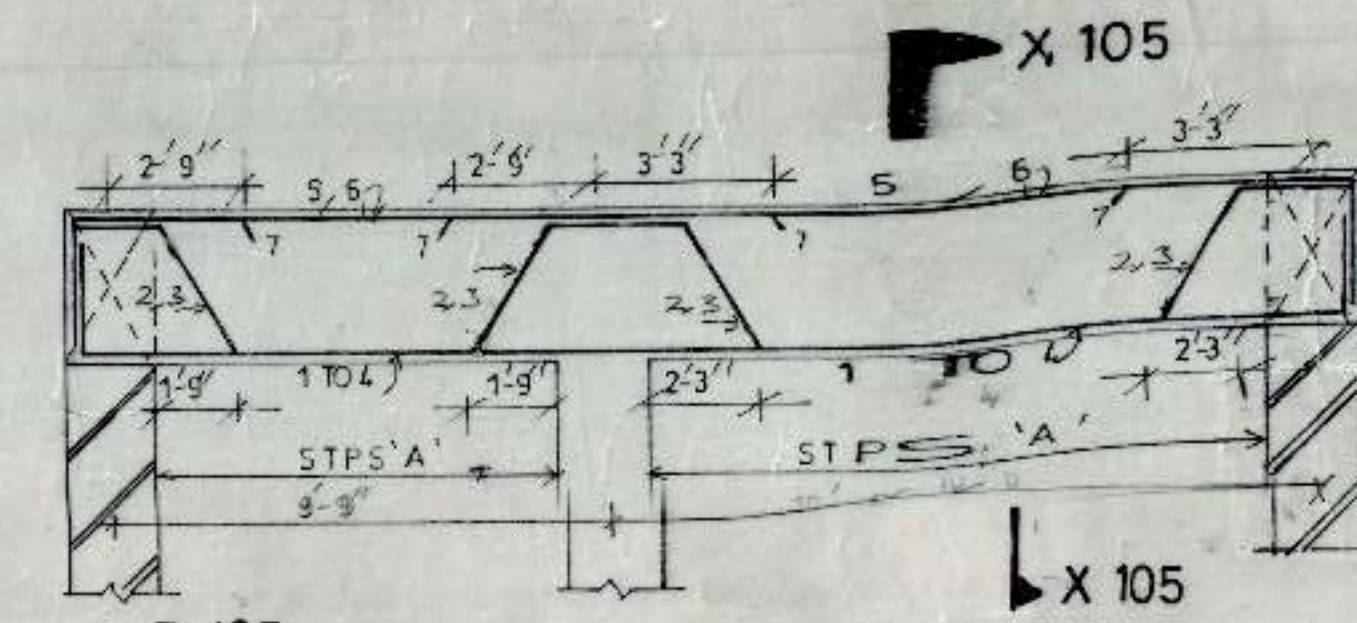
B 103 (BACKSIDE BALCONY)  
BARS : 1 TO 4 = 10mm  
5, 6 = 12mm  
BARS 5, 6 ARE 6" LONG FROM END BACK SIDE  
B-103  
BARS : 1 TO 4 = 10mm  
STPS : 8mm @ 2L @ 5"



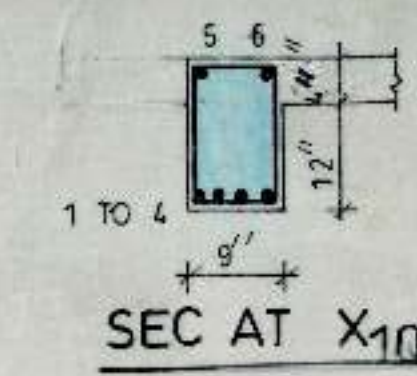
B-104  
BARS : 1 TO 4 = 10mm  
STPS : 8mm @ 2L @ 5"



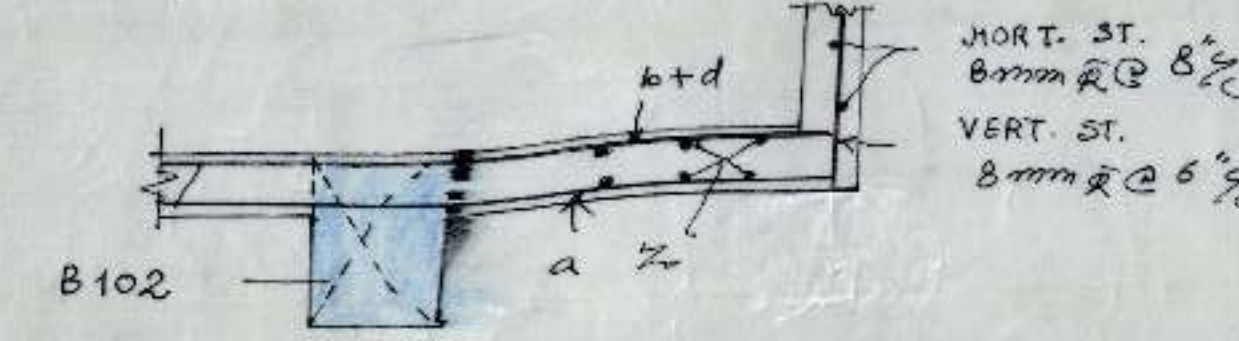
B-104 (ONE SIDE)  
BARS : 1 TO 4 = 10mm  
5, 6 = 12mm  
BARS 5, 6 ARE 6" LONG FROM END BACK SIDE



B 105  
BARS : 1 TO 7 = 16mm



SEC AT X105-X105



SECTION N AT P-P

NOTES

- DIMENSIONS ARE TO BE READ & NOT TO BE SCALED OFF
- INDICATES DIA OF HYSD BARS OF GRADE Fe415 CONFORMING TO I.S. 1786, 1979
- CLEAR COVER TO REINF.
- FOUNDATIONS : 2" b) COLUMNS : 1 1/2" c) BEAMS : 1" d) SLABS : 3/4"
- LAP LENGTH / ANCHORAGE LENGTH  
58 d IN CASE OF FOUNDATION BEAMS & SLABS  
45 d IN CASE OF COLUMNS, WHERE d IS DIA OF BARS
- NOT MORE THAN 50% OF BARS TO BE LAPED AT ONE LOCATION
- CONC USED IS M-20

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INDUSTRIAL AREA  
MOHALI  
(PH. 253219)

E. W. S. HOUSING SCHEME  
SECTOR 56  
CHANDIGARH

STRUCTURE

G.F. ROOF SLAB REINF. DETAIL  
B-101 TO B-105

ENGINEER

DRAWN BY

SCALE N.T.S.

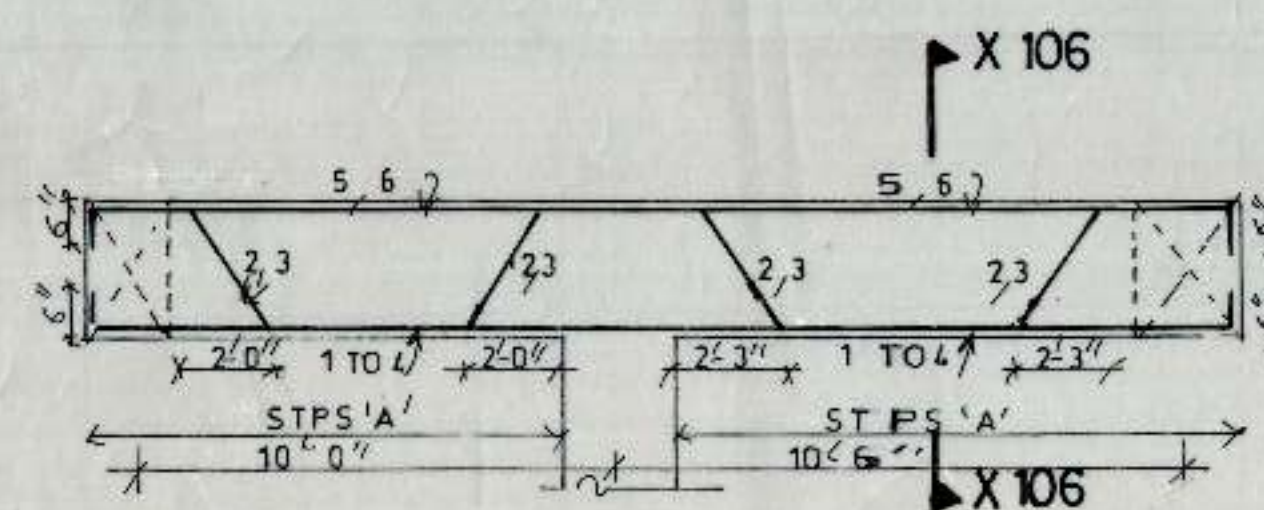
DATE 8-3-2001 DRG NO S-3



# NOTES

REFER DRG NO 53

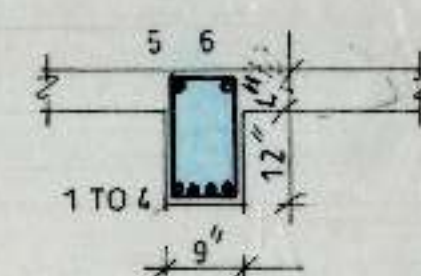
JOB NO. 111



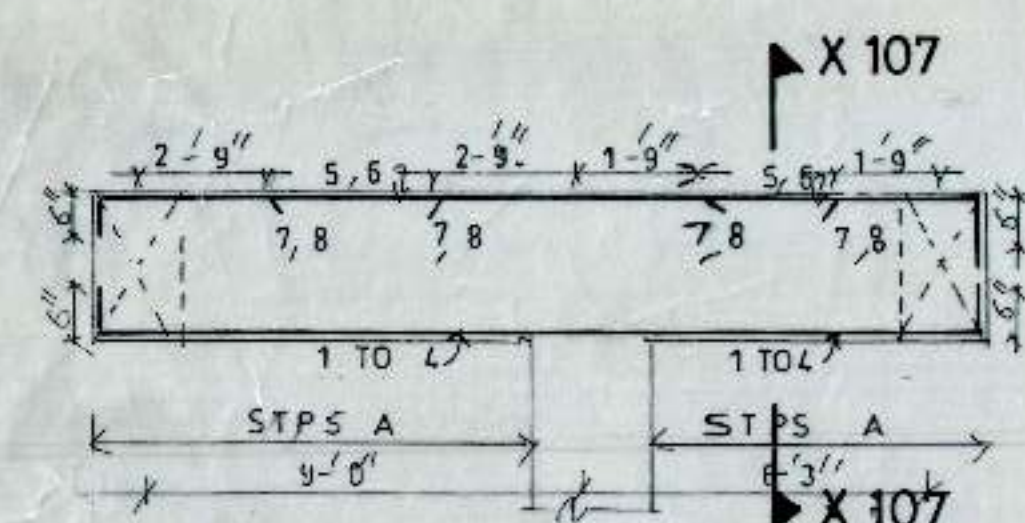
**B-106**

BARS: 1 TO 6 = 16mm

STPS 'A': 8mm @ 4" c/c + REST @ 8" c/c FROM FACE OF SUPPORT



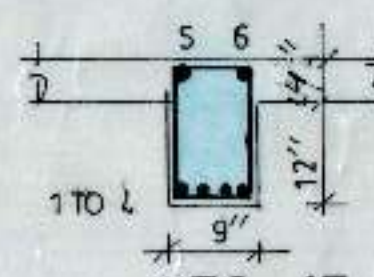
**SEC AT X106 X106**



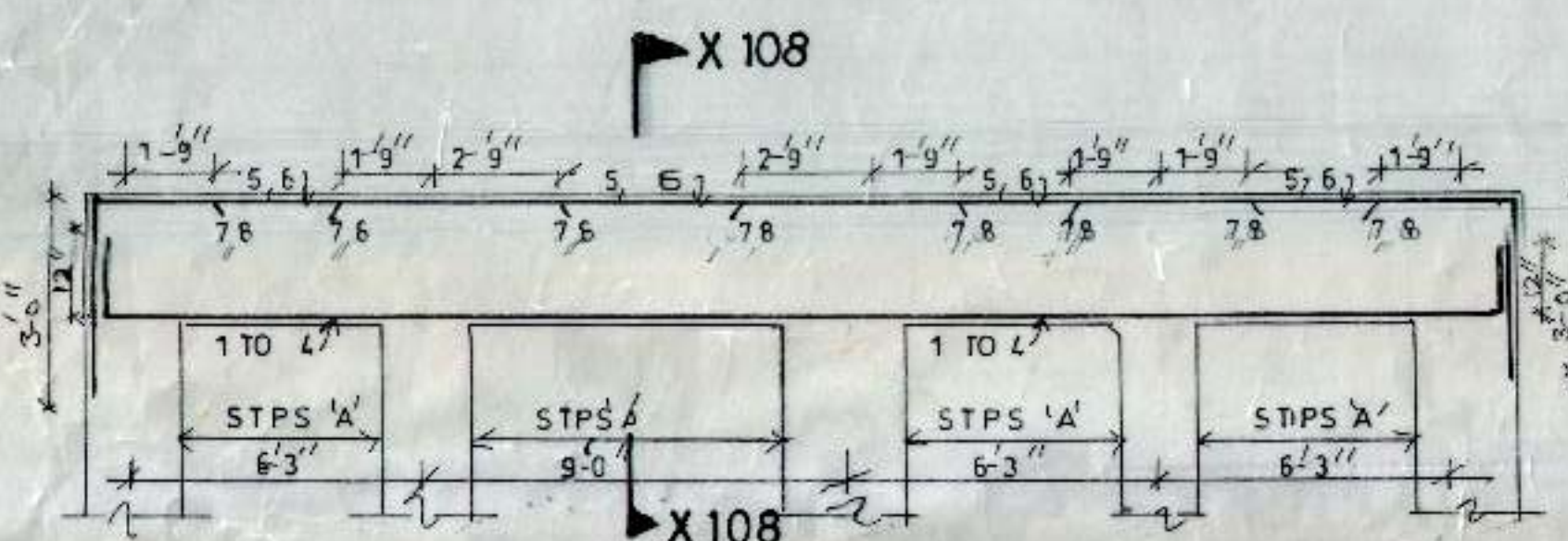
**B-107**

BARS: 1 TO 6 = 12mm

7, 8 = 16mm



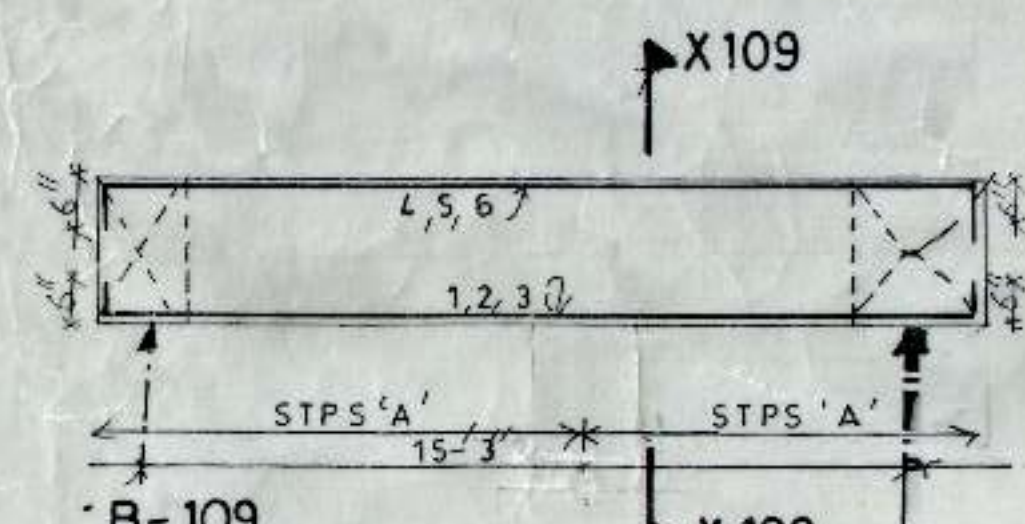
**SEC AT X107 X107**



**B-108**

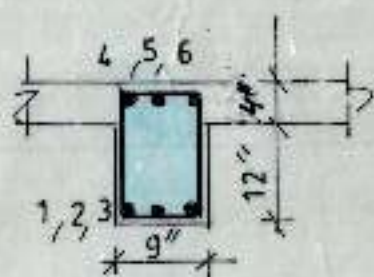
BARS: 1 TO 6 = 12mm

7, 8 = 16mm

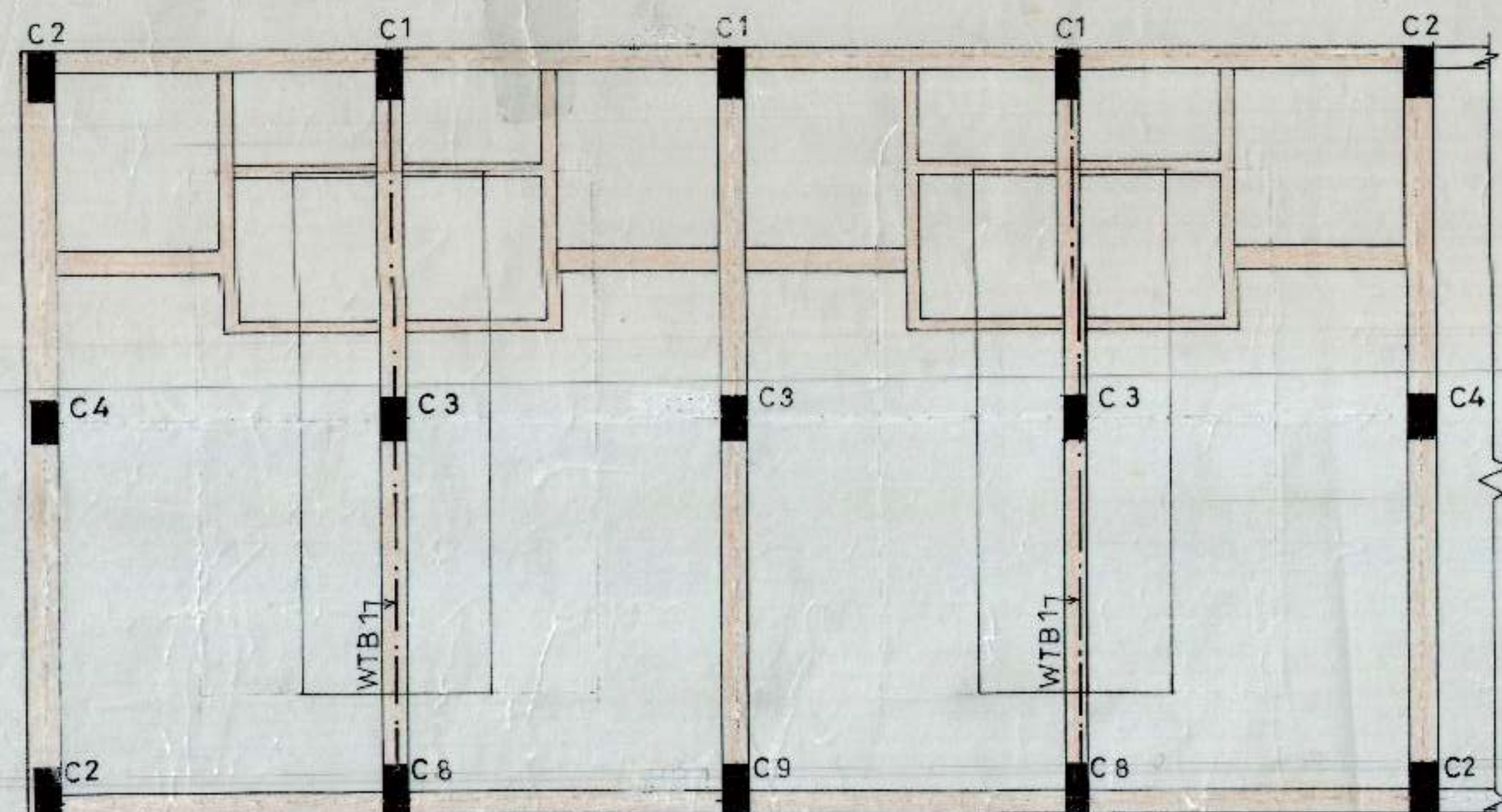


**B-109**

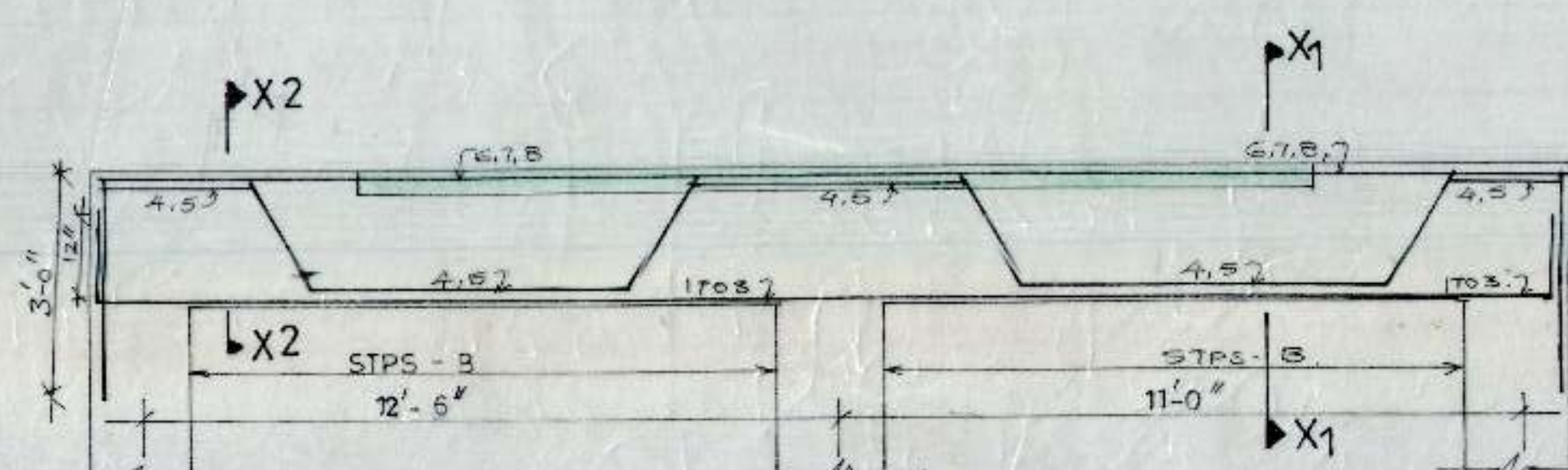
BARS: 1 TO 6 = 16mm



**SEC AT X109 X109**



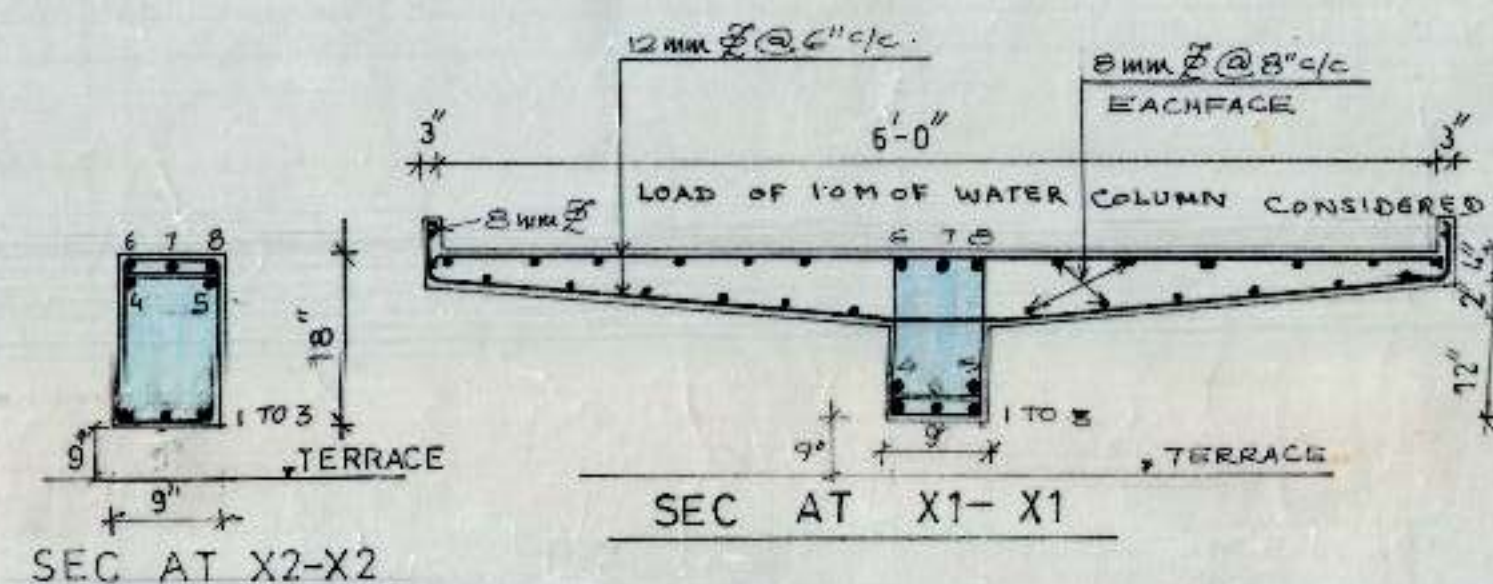
**PLATFORM RAISED SLAB FOR WATER TANK**



**WTB 1**

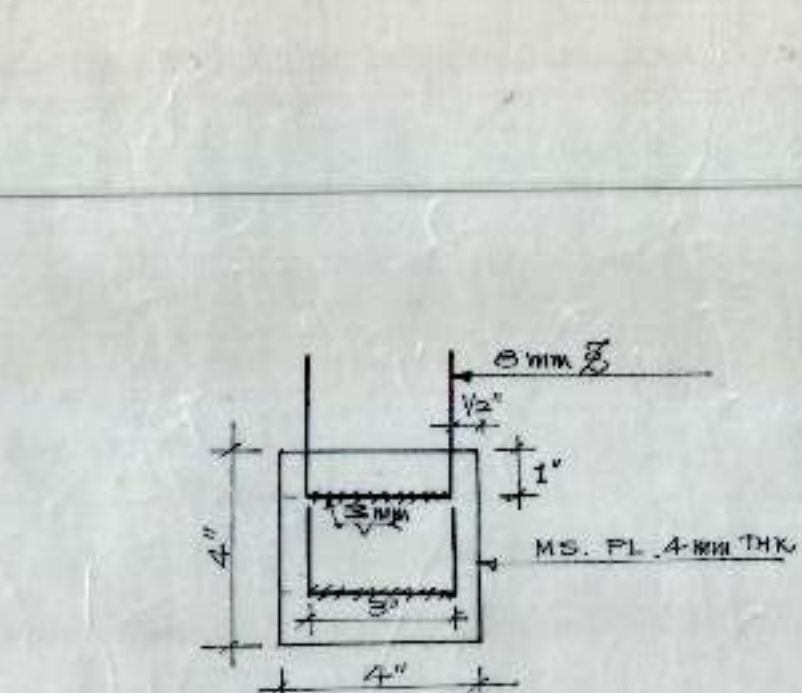
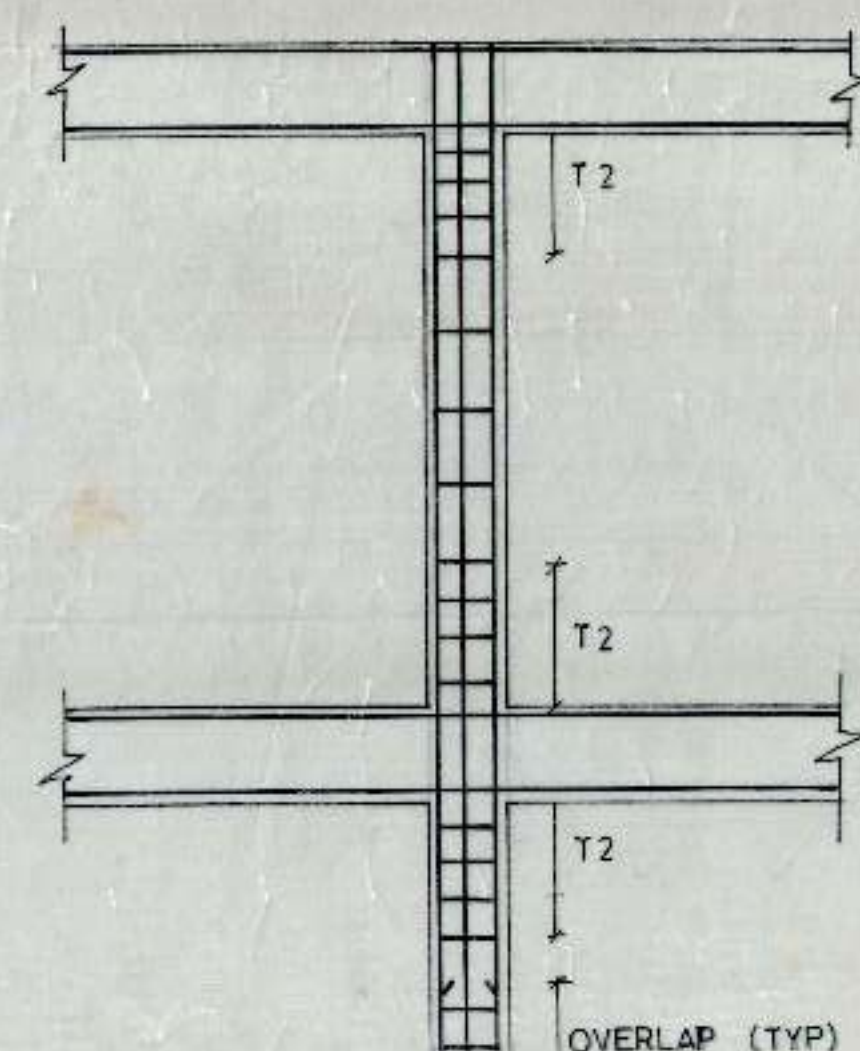
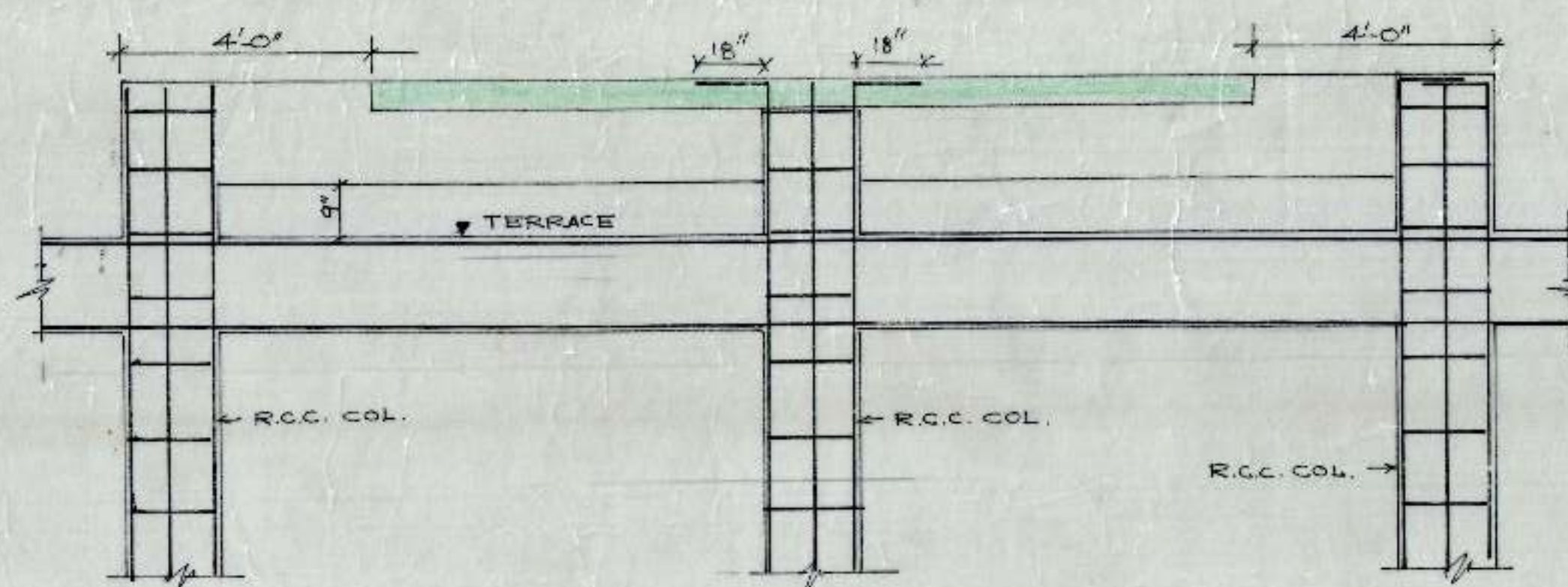
BARS: 1 TO 6 = 16mm

STPS B: 10mm @ 4" c/c + REST @ 8" c/c



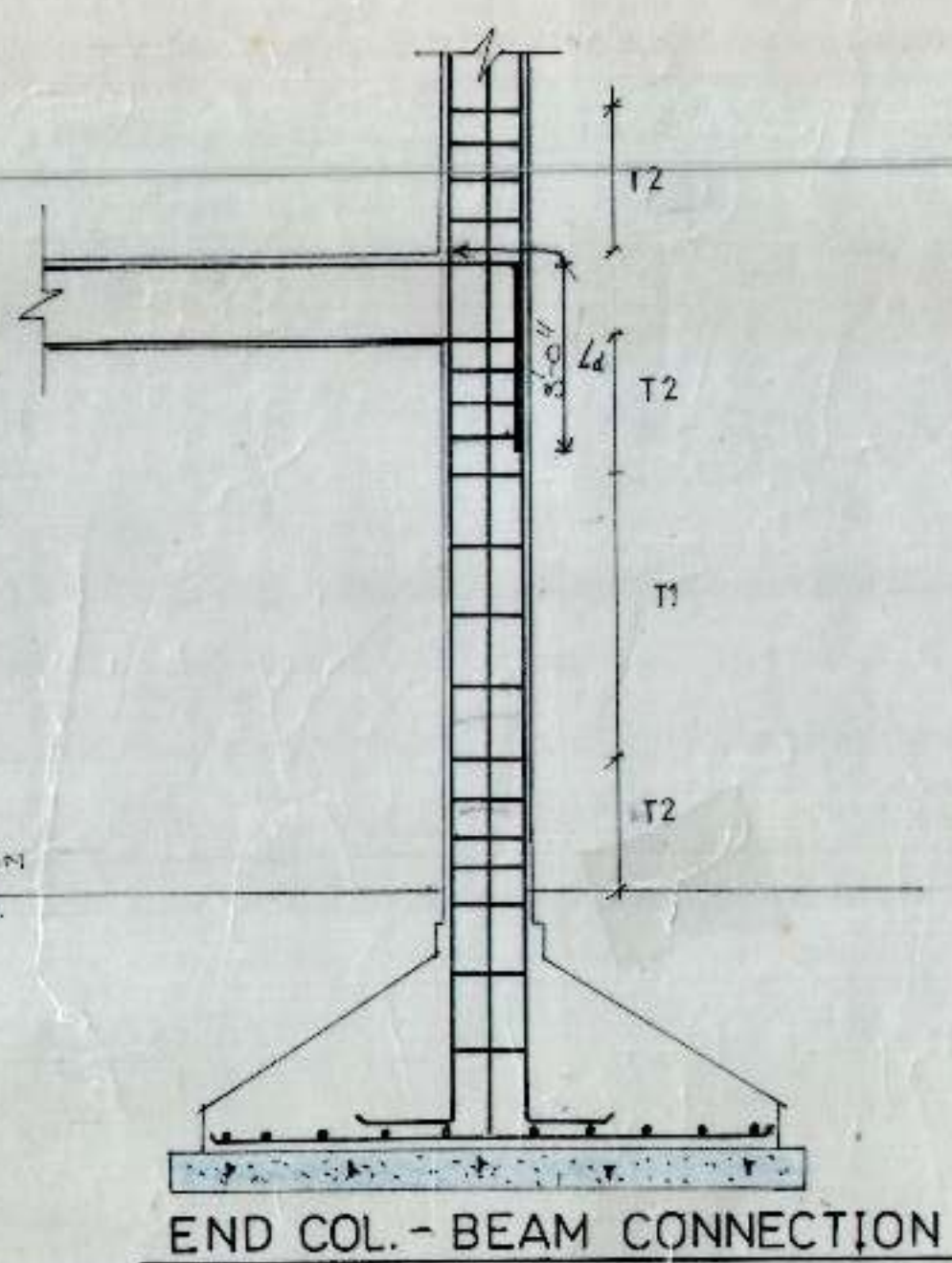
**SEC AT X2-X2**

**SEC AT X1-X1**

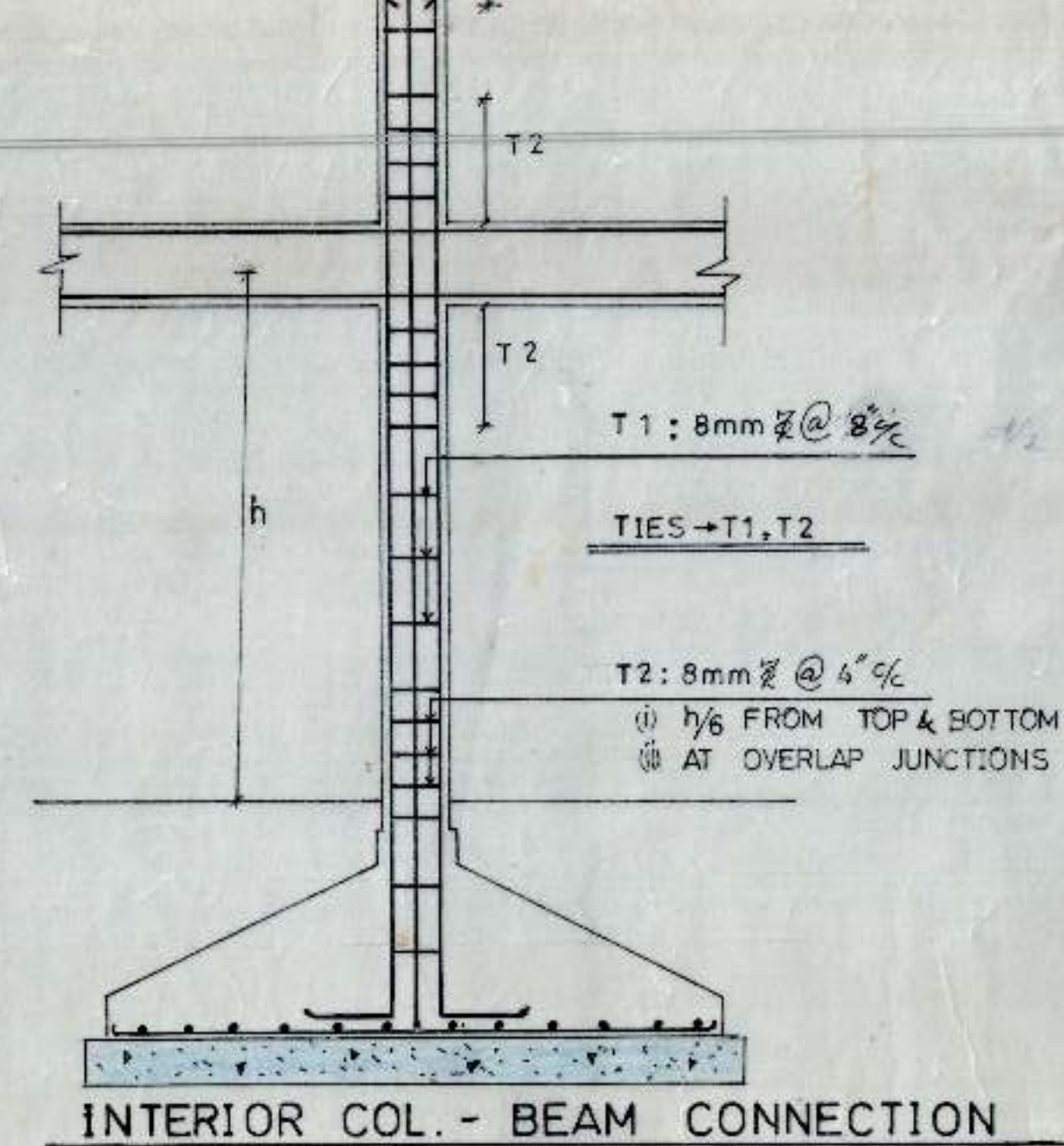


**INSERT PLATE DETAIL**

INSERT PLATE MIN BE PROVIDED AT HINGE POINTS OF DOORS & WINDOWS FOR CONNECTION OF DOOR/WINDOW CHOKAT WITH R.C.C. COLUMN.



**END COL. - BEAM CONNECTION**



**INTERIOR COL. - BEAM CONNECTION**

SYAL & ASSOCIATES

F - 91, PHASE VII

INDUSTRIAL AREA

MOHALI

(PH 253219)

E.W.S. HOUSING SCHEME

SECTOR - 56

CHANDIGARH.

## STRUCTURE

B 106, B107, B108, B109, WTB 1

PLATFORM RAISED SLAB FOR WATER TANK

END & INTERIOR COL. - BEAM CONNECTIONS

INSERT PLATE DETAIL

ENGINEER

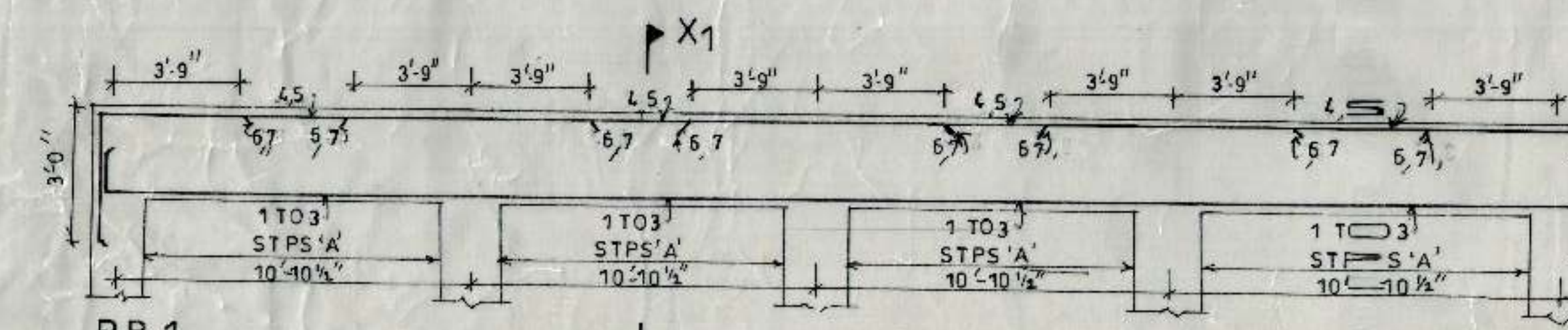
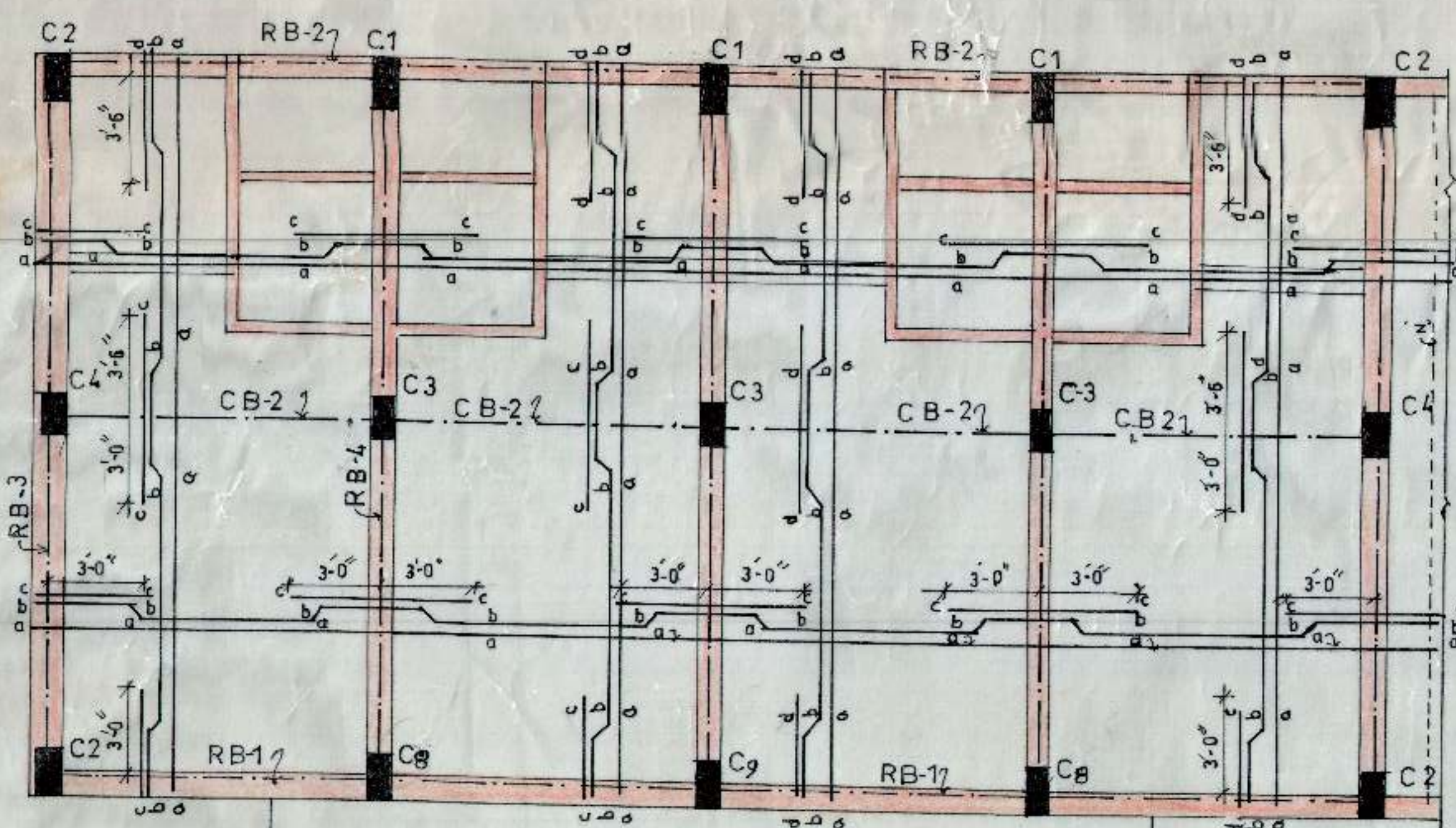
DRAWN BY

SCALE N.T.S

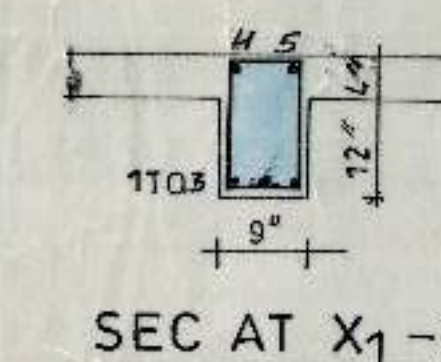
DATE 9-3-2001

DRG. NO. 54

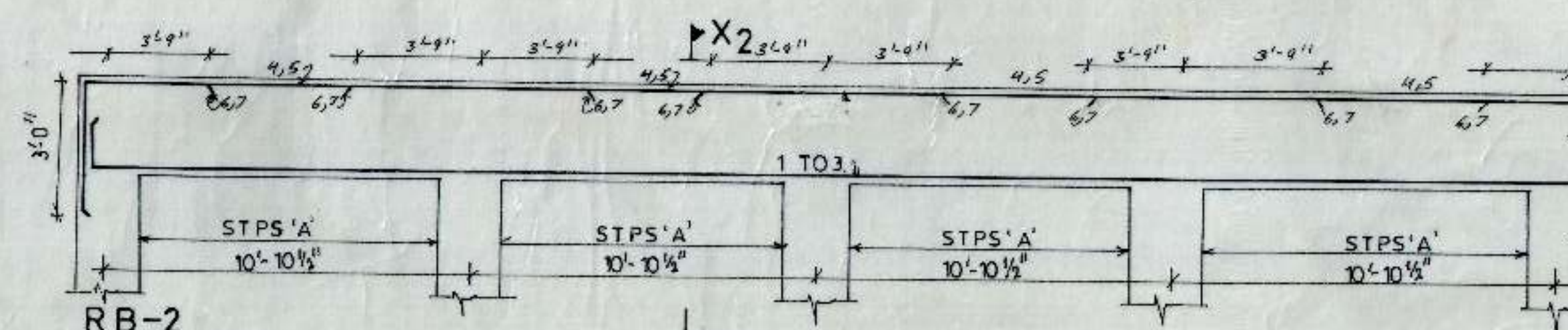




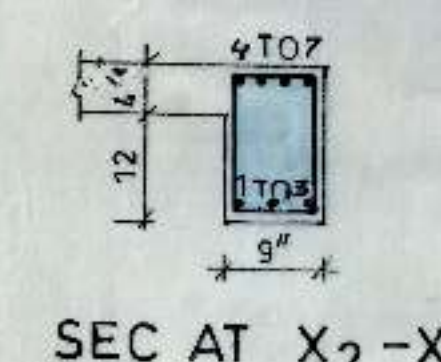
**RB-1**  
BARS: 1 TO 7 = 12mm  
STPS A 8mm 2L @ 4" + REST @ 6" FROM FACE OF SUPPORTS



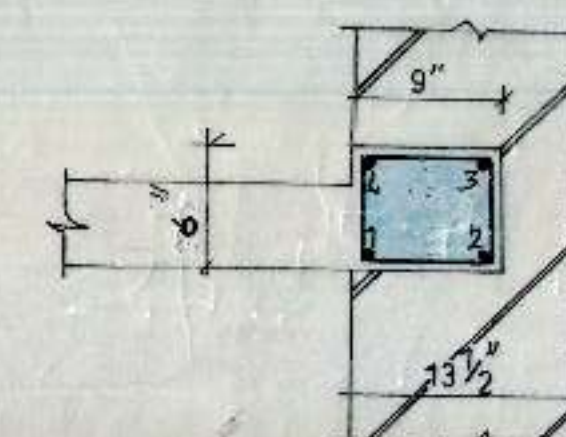
SEC AT X1-X1



**RB-2**  
BARS: 1 TO 7 = 12mm



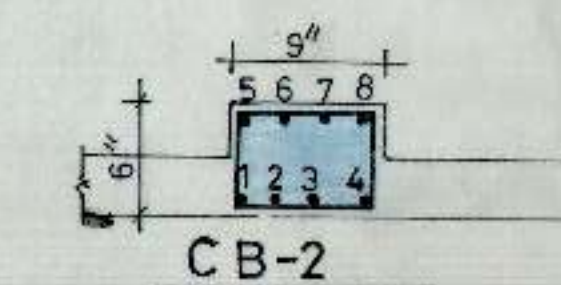
SEC AT X2-X2



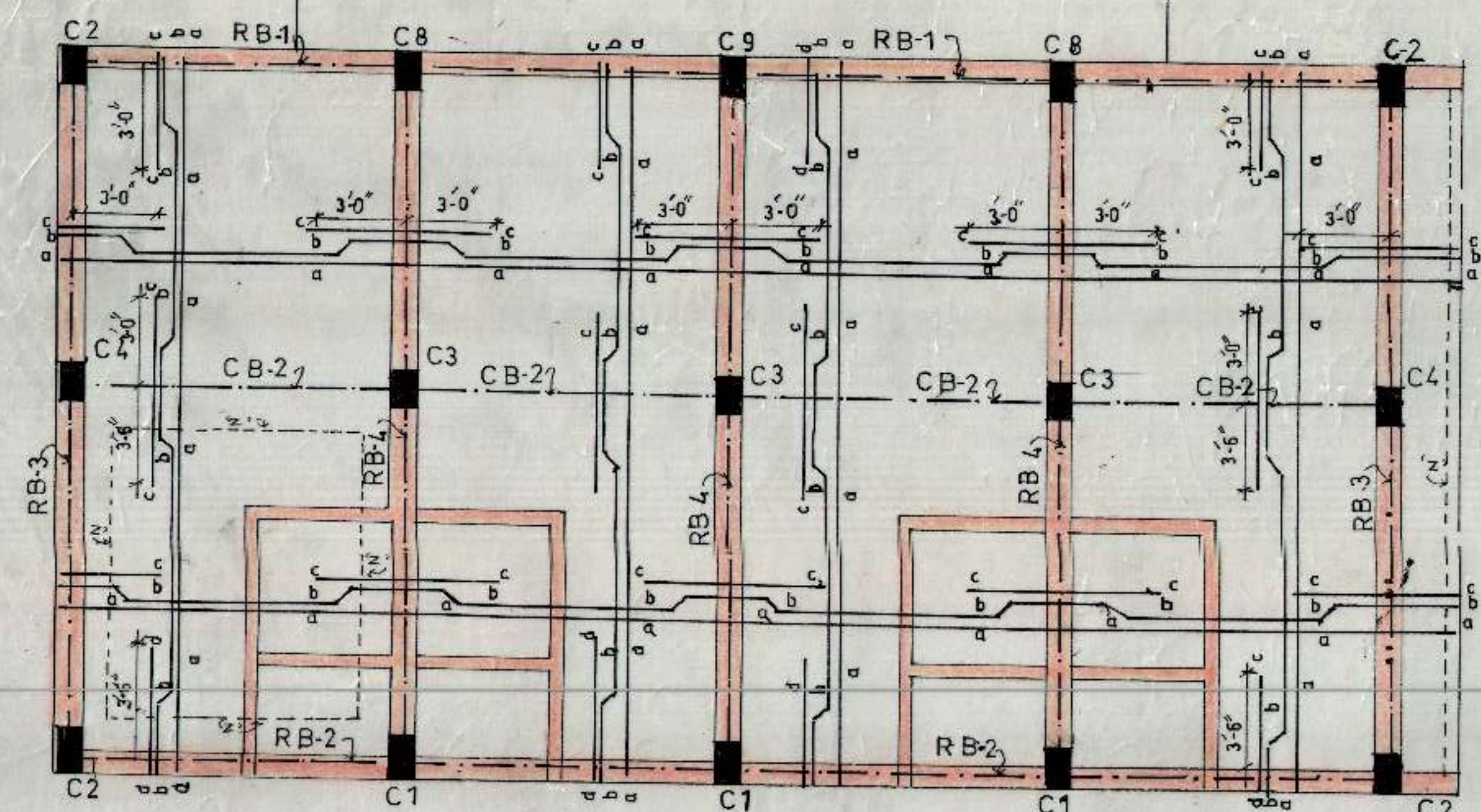
**RB-3**  
BARS: 1 TO 4 = 10mm  
STPS 8mm 2L @ 6" THROUGHOUT



**RB-4**  
BARS: 1 TO 4 = 10mm  
STPS 'B'



**CB-2**  
BARS: 1 TO 8 = 12mm  
STPS 8mm 2L @ 4"



SLAB 4"  
CONC. M-20

| SCHEDULE OF BARS IN ROOF SLAB           |   |                  |
|-----------------------------------------|---|------------------|
| a                                       | b | = 8mm @ 15" c/c  |
| c                                       |   | = 10mm @ 15" c/c |
| d                                       |   | = 12mm @ 15" c/c |
| DIST ST HOLDING BARS 'z' = 8mm @ 8" c/c |   |                  |

ROOF SLAB REINF. DETAIL

## NOTES

REFER DRG NO. S-3  
PROVIDE 'Z' BAR IN EACH PANEL TO  
HOLD THE NEGATIVE STEEL.

SYAL & ASSOCIATES  
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INDUSTRIAL AREA  
MOHALI  
PH. 253219

E W S HOUSING SCHEME  
SECTOR 56  
CHANDIGARH.

## STRUCTURE

ROOF SLAB REINF DETAIL  
RB 1 TO RB 4, CB-2

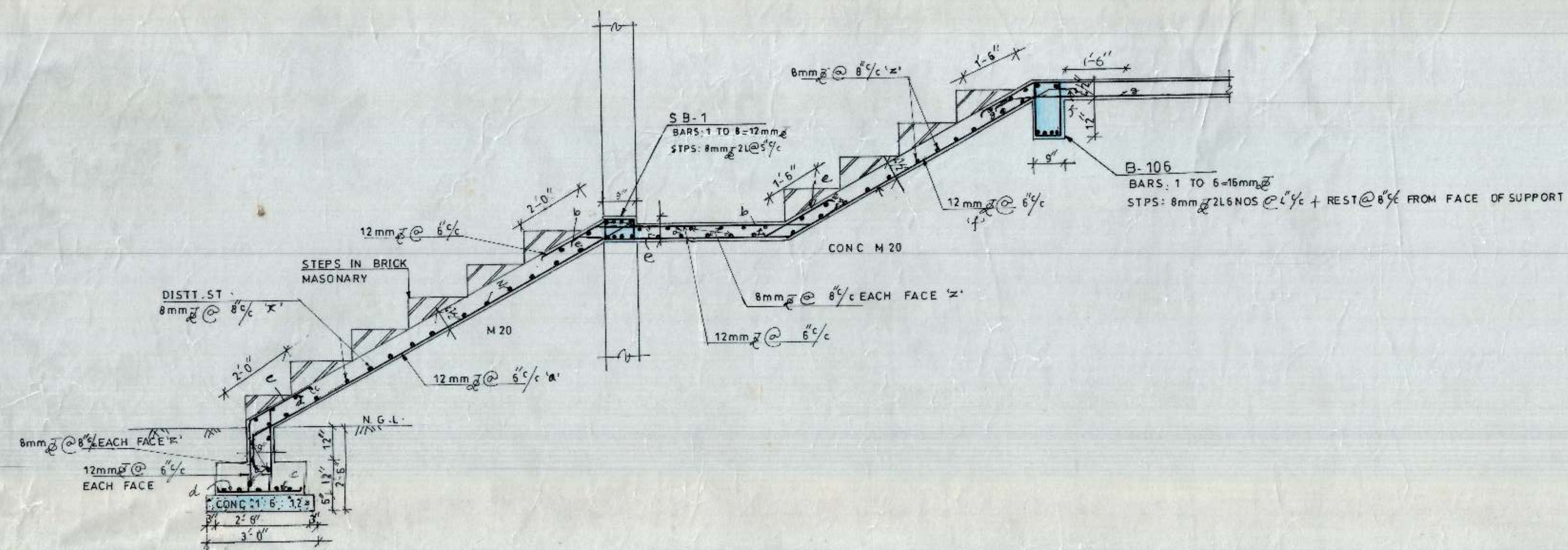
ENGINEER

DRAWN BY Bharat Verma

SCALE

DATE 4 4 2001 DRG NO. S-5





STAIR CASE DETAIL

# NOTES

REFER DRG NO. S-3

SYAL & ASSOCIATES  
F- 91, PHASE VII  
INDUSTRIAL AREA  
MOHALI PH (253219)

E. W. S. HOUSING  
SCHEME, SECTOR- 56  
CHANDIGARH

S T R U C T U R E  
DETAIL OF STAIRCASE

ENGINEER  
DRAWN BY *[Signature]*  
SCALE N. T. S.  
DATE 27.3.2001 DRG NO S-6