

MEMBER	STRESSES	KIND OF STRESS	SIZE OF MEMBERS
1A	1.4	8.25	2LS 2 1/2 x 2 1/4
2B	2.1	7.90	"
3D	3.0	6.40	"
4F	4.5	7.10	"
5G	5.6	6.75	"
6H	6.7	6.75	1L 2 x 2 x 1/4
7I	7.9	6.75	2LS 2 1/2 x 2 1/4
8J	9.1	6.75	"
9K	10.4	6.75	2LS 2 1/2 x 2 1/4
10L	11.7	6.75	"
11M	13.1	6.75	2LS 2 1/2 x 2 1/4

SCHEDULE OF LENGTHS			
SING. SYMBOLS	NOS.	SIZE OF MEMBERS	LENGTH IN FEET
1	a	2LS 2 1/2 x 2 1/4	28-11 1/2
2	b	1L 2 x 2 x 1/4	15-2
3	c	2LS 2 x 2 x 1/4	12-4 1/2
4	d	1L 2 x 2 x 1/4	2-7
5	e	do	5-9
6	f	2LS 2 x 2 x 1/4	7-6 1/2
7	g	do	7-7
8	h	2LS 2 x 2 x 1/4	5-9
9	i	do	2-8
10	j	2LS 2 x 2 x 1/4	16-4
11	k	do	18-3

NOTE:

- ADJUSTMENT IN LENGTH IF ANY, TO BE MADE DURING ACTUAL FABRICATION OF TRUSSES IN WORKSHOP.
- GUSSET PLATES HAVE BEEN CALCULATED AS RECTANGULAR FROM WHICH THESE CAN BE CUT OUT.
- LENGTH OF CLEARANCE WIDTH OF UPPER FLANGE OF PRINCIPAL RAFTERS TRUSS SPACE IN BETWEEN.
- ALL STEELWORK SHOULD BE PAINTED WITH TWO COATS OF PAINT OVER ONE PRIME COAT.
- AT THE ENDS OF THE SHED THERE WILL BE GABLE WALL TO SUPPORT THE PURLINES.
- RAFTERS AT THE EAVES OF END GABLE WALLS AT 4' CORNERS PARTLY EMBEDDED ALONG THE ENTIRE LENGTH OF GABLE WALL.
- NO JOINT IN ANY MEMBER.
- JOINT IN PURLINS: ONE JOINT IN ONE SPAN IN EACH DIRECTION OF TRUSS. THE JOINT SHOULD NOT BE MORE THAN 2'-0" FT. APART FROM NEARLY SUPPORTING TRUSS. IT SHOULD NOT BE WELDED BUT BOLTED AT LEAST 2 BOLTS ON EITHER SIDE.

SING. SYMBOL	DESCRIPTION	QTY	SIZE
I	AT APPEX	1 NOS	2'-6" x 1'-6"
II	AT BASE	2 NOS	2'-4" x 1'-6"
III	AT HEAD OF STRUT	4 NOS	1'-6" x 0'-10"
IV	AT HEAD OF STRUT	4 NOS	0'-10" x 0'-8"
V	AT BOTTOM OF STRUT	2 NOS	1'-2" x 0'-10"
VI	AT BOTTOM OF STRUT	2 NOS	1'-6" x 1'-1"
VII	AT INCLINED TIES	2 NOS	1'-1" x 0'-10"
VIII	AT BOTTOM OF SUSPENDER	1 NOS	0'-10" x 0'-8"
IX	BASE PLATE 3/8" THICK	2 NOS	1'-0" x 1'-0"
X	SOLE PLATE 3/8" THICK	2 NOS	1'-0" x 1'-0"

OIL AND GAS DEVELOPMENT CORPORATION

DRG. NO. PE (C) — 120 CIVIL ENGINEERING DEPT.

DRN BY \_\_\_\_\_

TRCD BY \_\_\_\_\_

DATE 12-5-51

CHECKED BY \_\_\_\_\_

APPROVED BY \_\_\_\_\_

SCALE 1/2" = 1'-0"

STEEL TRUSS SPAN 50'-0"

DATE 12-5-51

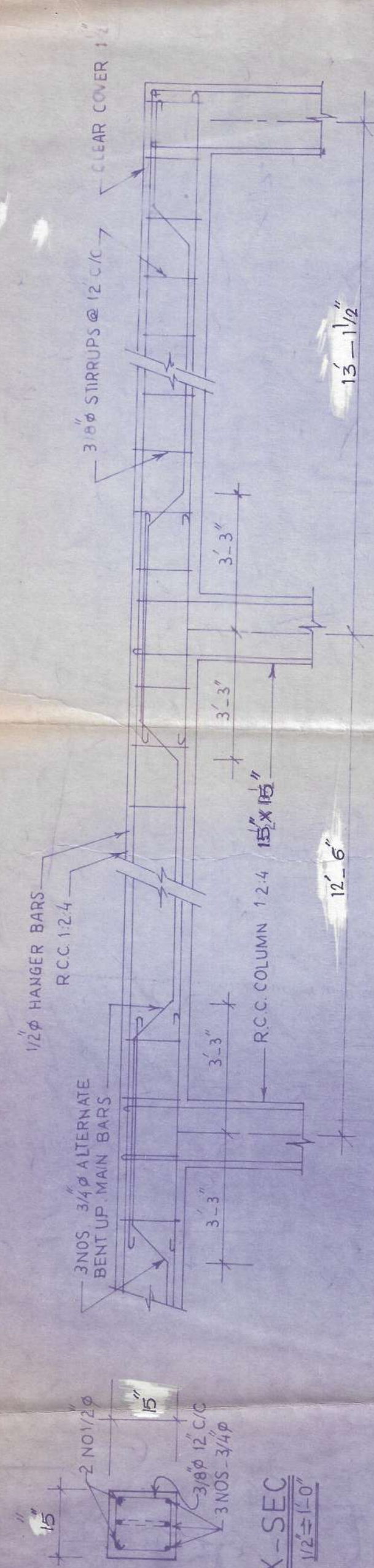
SCALE 1/2" = 1'-0"

CHECKED BY \_\_\_\_\_

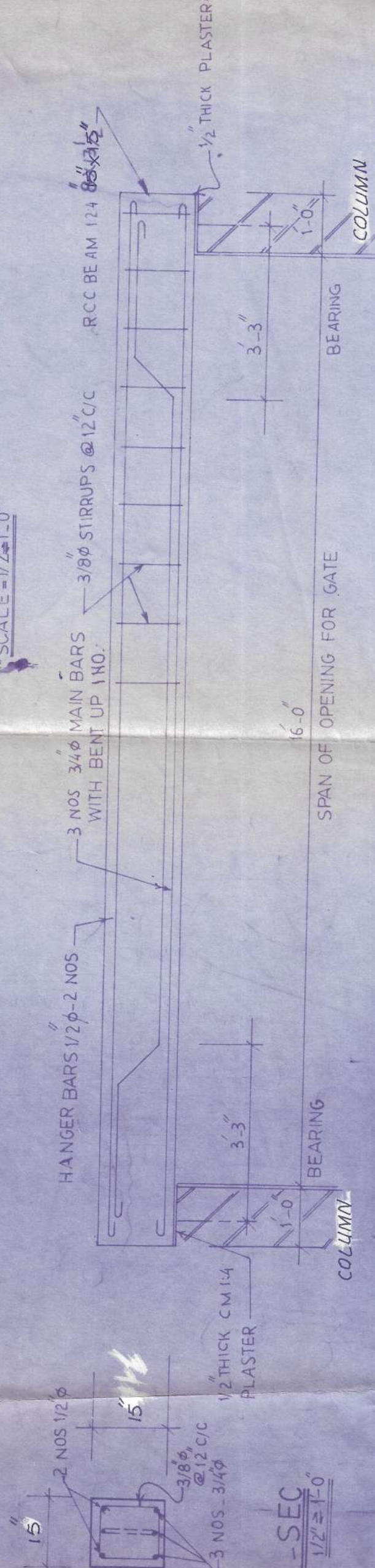
APPROVED BY \_\_\_\_\_

S.F.E (C) \_\_\_\_\_

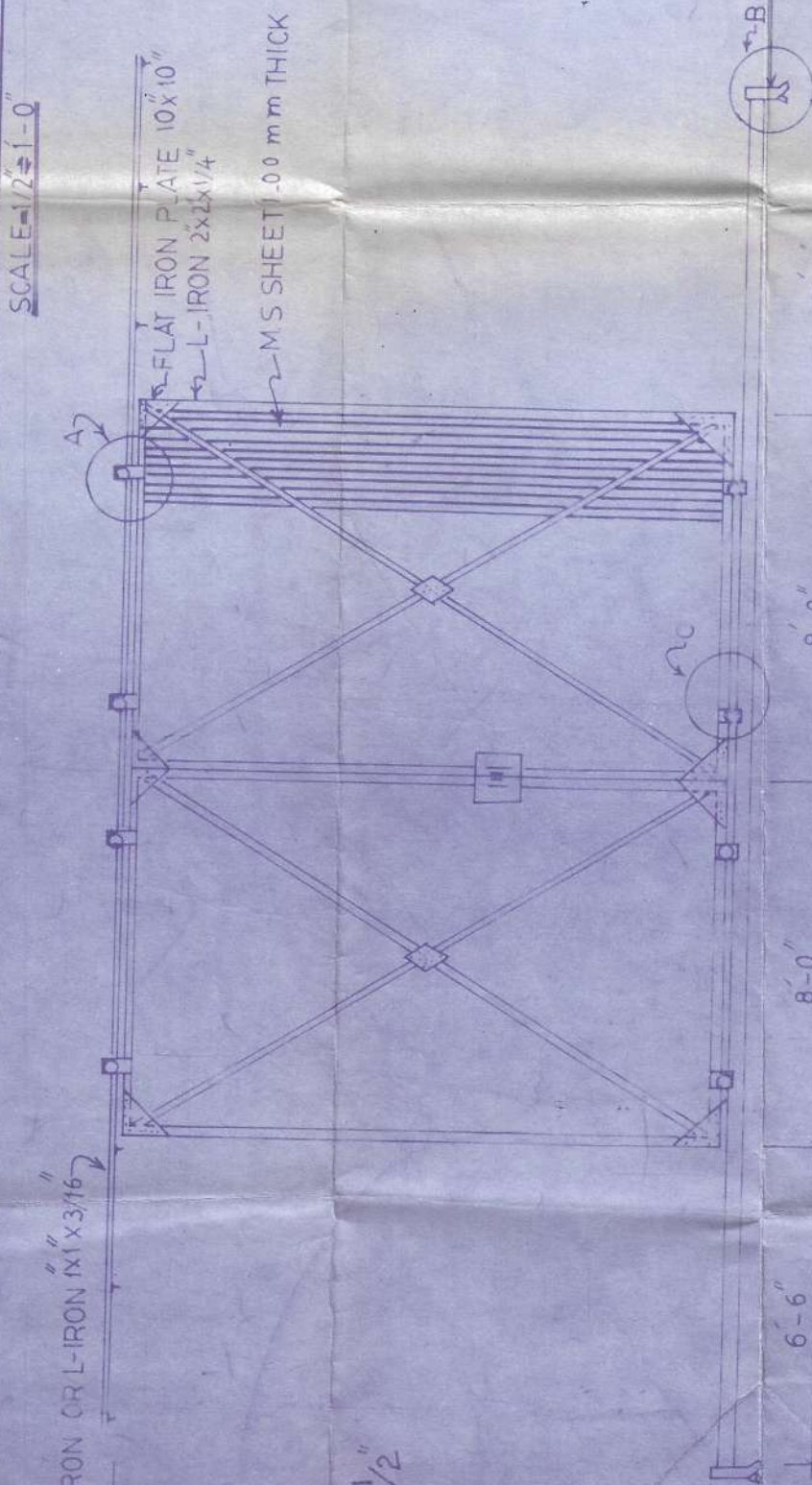
P.E. (C) \_\_\_\_\_



**L-SECTION OF ROOF LEVEL BEAM**  
SCALE=1/2=1-0

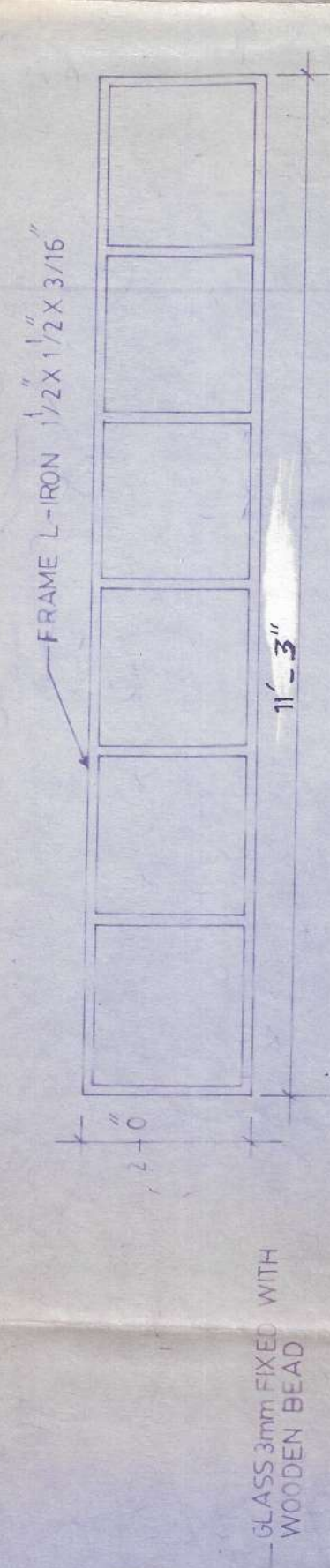


**L-SECTION OF BEAM OVER GATE**  
SCALE=1/2=1-0

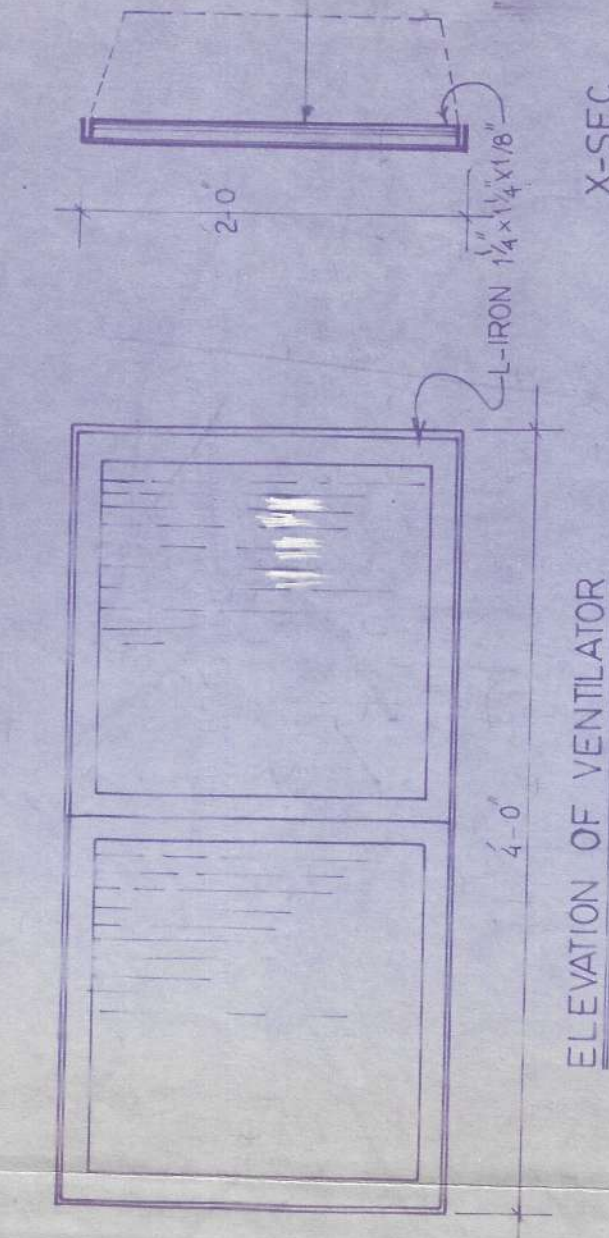


**SLIDING GATE 16X14-10 1/2**  
SCALE=1/4=1-0

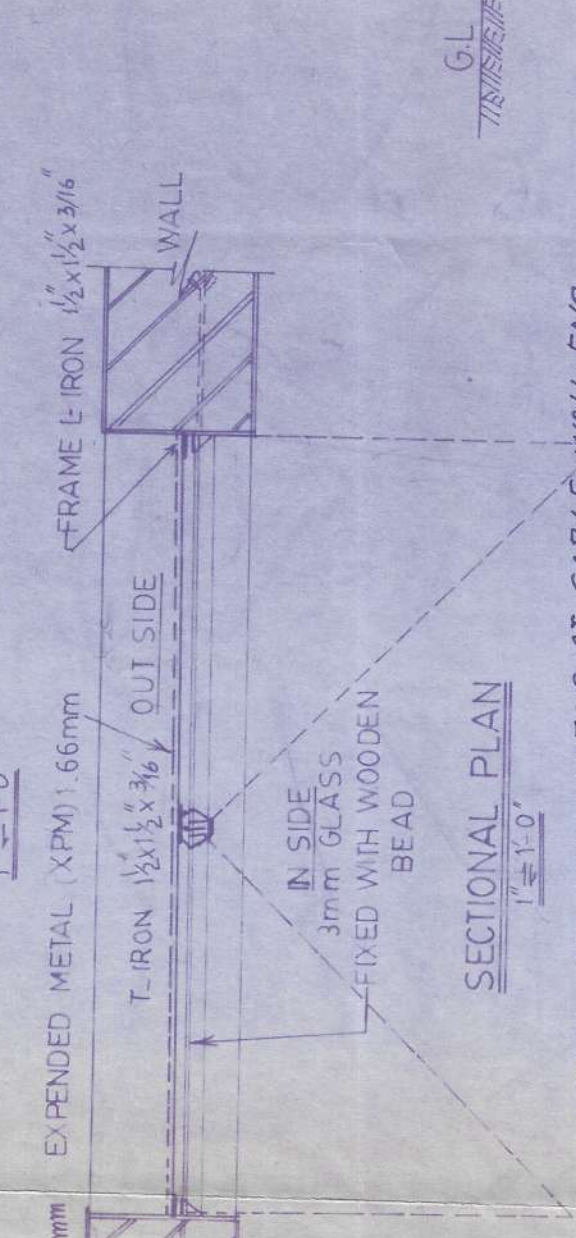
NOTE- SIMILAR DETAILS TO BE FOLLOWED FOR OTHER GATE SIZE 12'-6" X 13'-0" WITH LITTLE MODIFICATIONS IF NECESSARY.  
ADEQUATE BRACINGS TO BE USED AS INSTRUCTED BY SITE ENGINEER.



**ELEVATION OF VENTILATORS**  
Scale 1/2=1-0  
SPECIFICATIONS AS PER VENTILATOR 4X2

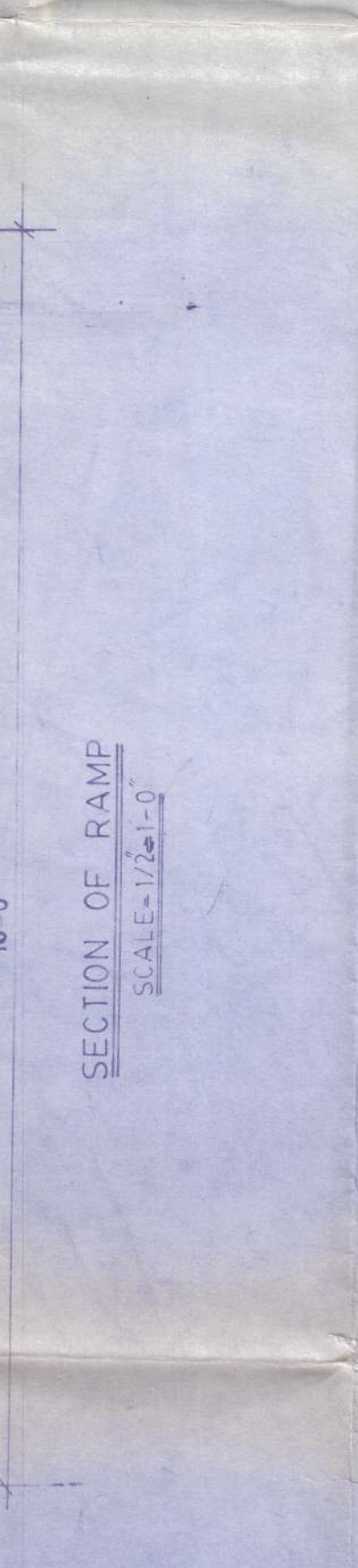


**ELEVATION OF VENTILATOR**  
1/2=1-0

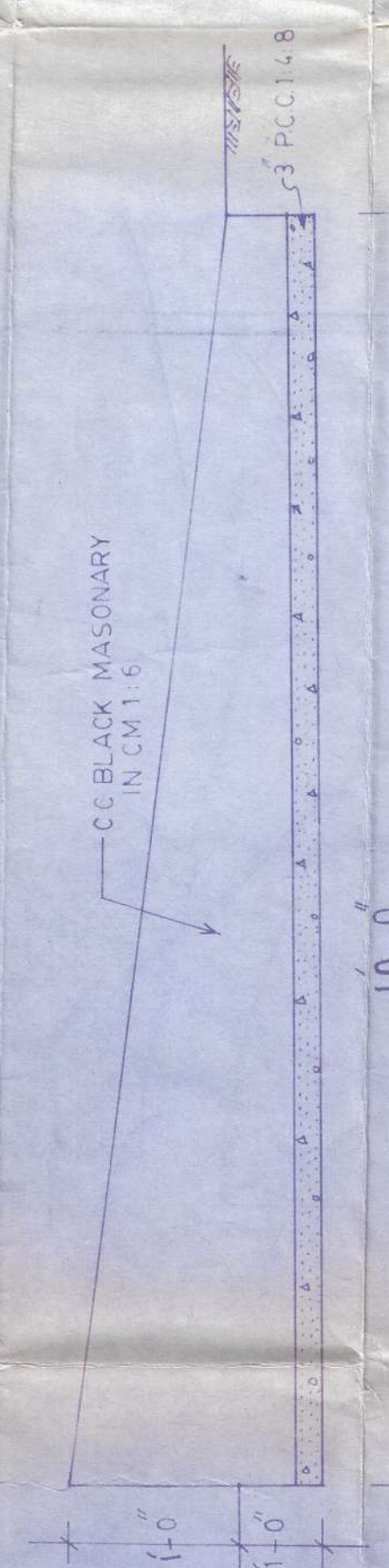


**SECTIONAL PLAN**  
1/2=1-0

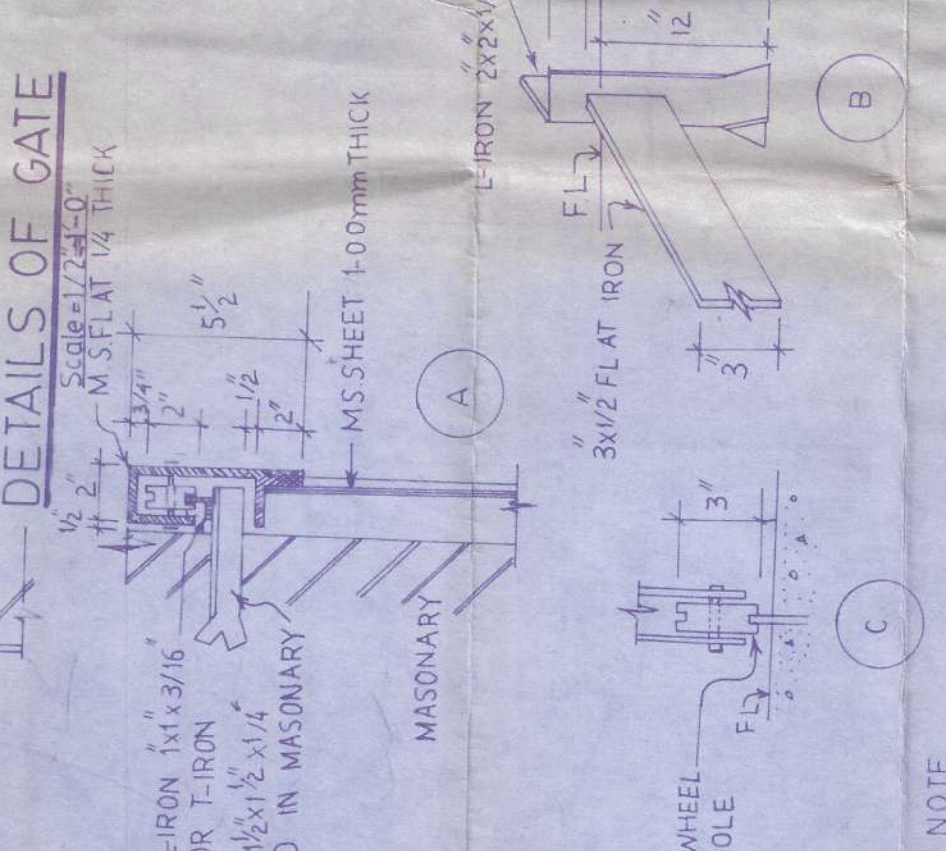
LINTEL FOR VENTILATOR AT GABLE WALL END  
R.C.C 12.4, SIZE 12"x6", 5-3φ WITH ENGS 1/2φ @ 6" C/C



**SECTION OF RAMP**  
SCALE=1/2=1-0



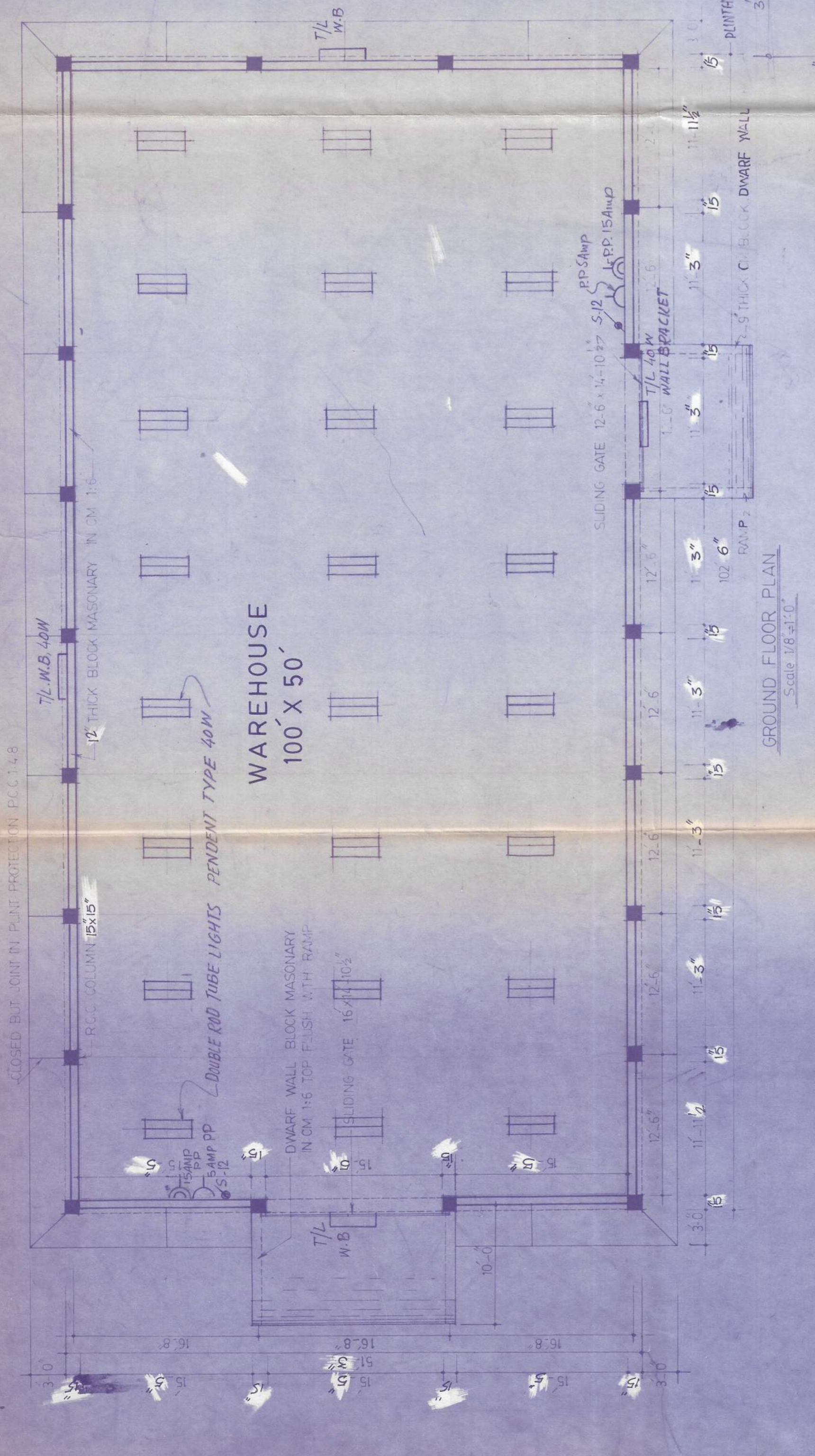
**SECTION OF DWARF WALL**  
SCALE=1/2=1-0



**DETAILS OF GATE**  
SCALE=1/2=1-0

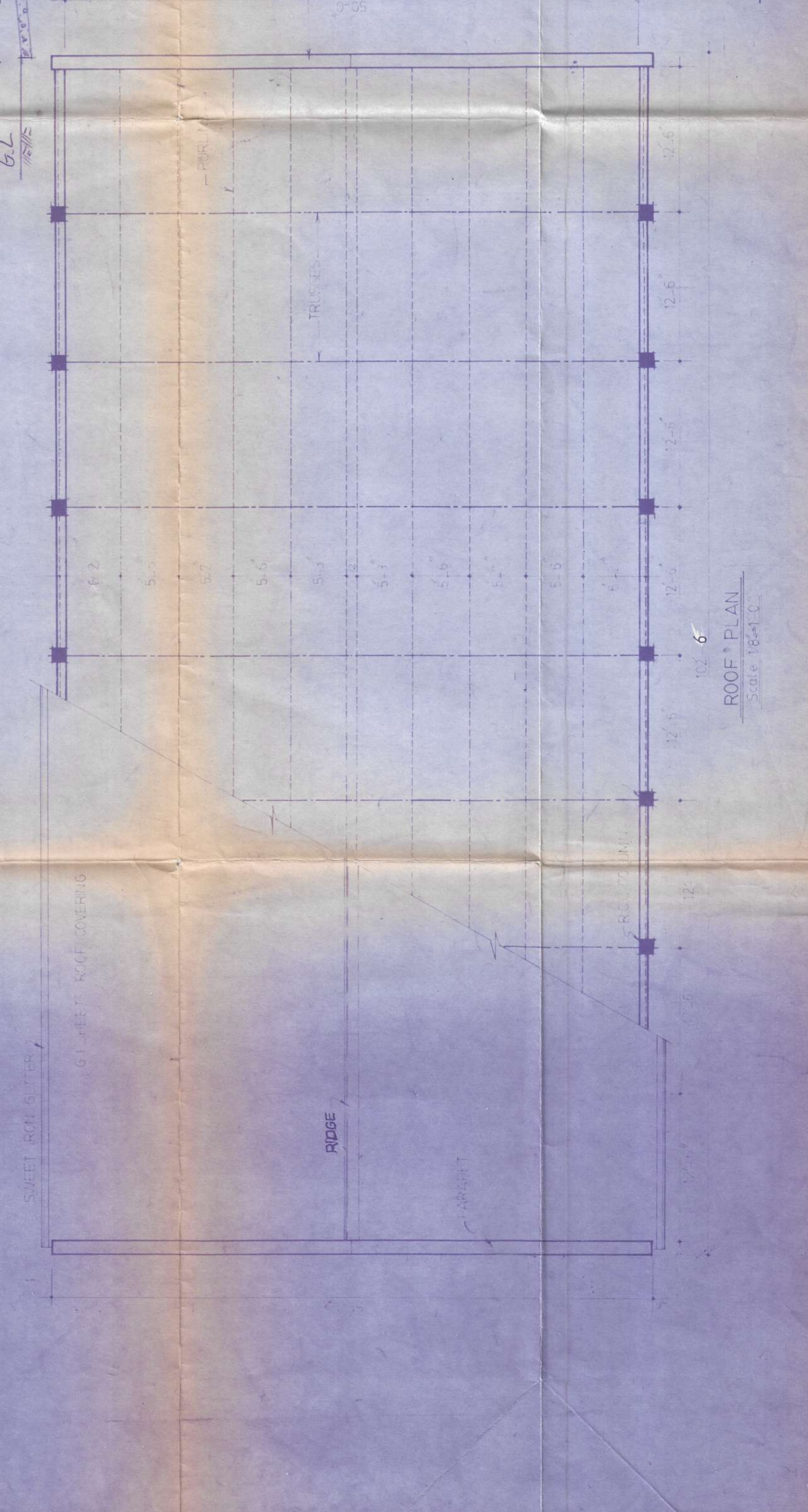
- NOTE
- 1)- CONCRETE USED SHELL HAVE MINIMUM COMPRESSIVE CYLINDER STRENGTH OF 2250 PSI AFTER 28 DAYS.
  - 2)- REINFORCEMENT USED SHELL BE PER ASTM C-39
  - 3)- MINIMUM CLEAR COVER TO THE REINFORCEMENT BARS, BE 3/4" FOR SLAB AND 1/2" FOR BEAMS AND COLUMNS
  - 4)- LAPS SHALL BE STAGGERED IF NOT DETAILED IN DRAWINGS
  - 5)- LAPS LENGTHS WOULD BE AS SPECIFIED UNDER BARS IN COMPRESSION=24 D (D=DIA. OF BAR) BARS IN TENSION=30 D

OIL AND GAS DEVELOPMENT CORPORATION	
DRG NO. P.E. (C)-122	CIVIL ENGINEERING DEPT.
DRN BY	STRUCTURAL DETAIL
TRCD BY	FOR WARE HOUSE 100X50
DATE	SCALE AS SHOWN
CHECKED BY	APPROVED BY
S.F.E (C)	P.E (C)
	D. M. (C)

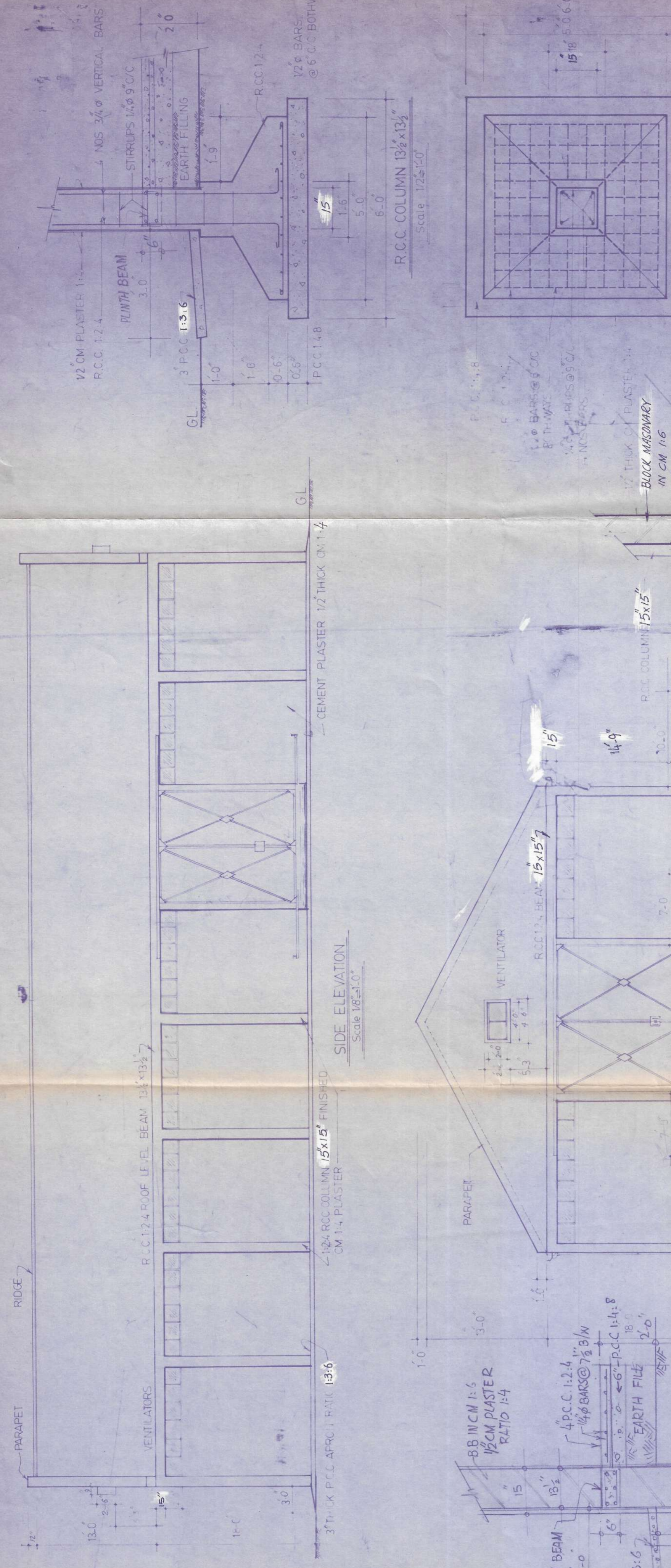


WAREHOUSE  
100' X 50'

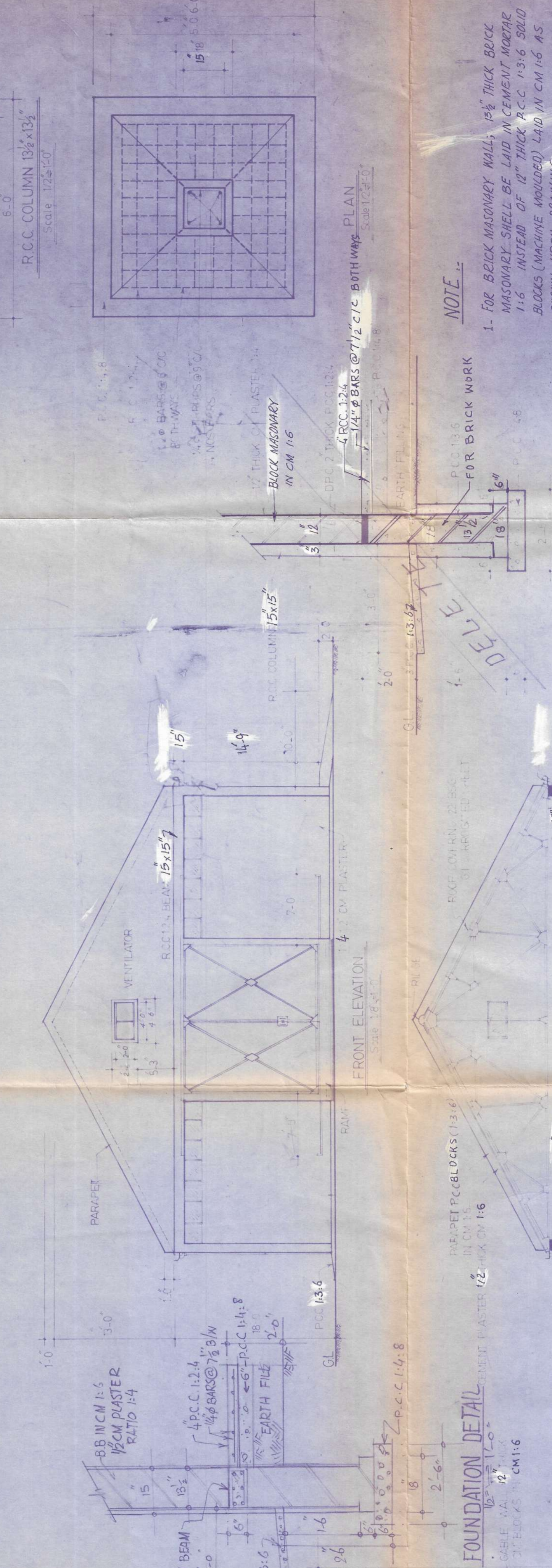
GROUND FLOOR PLAN  
Scale 1/8" = 1'-0"



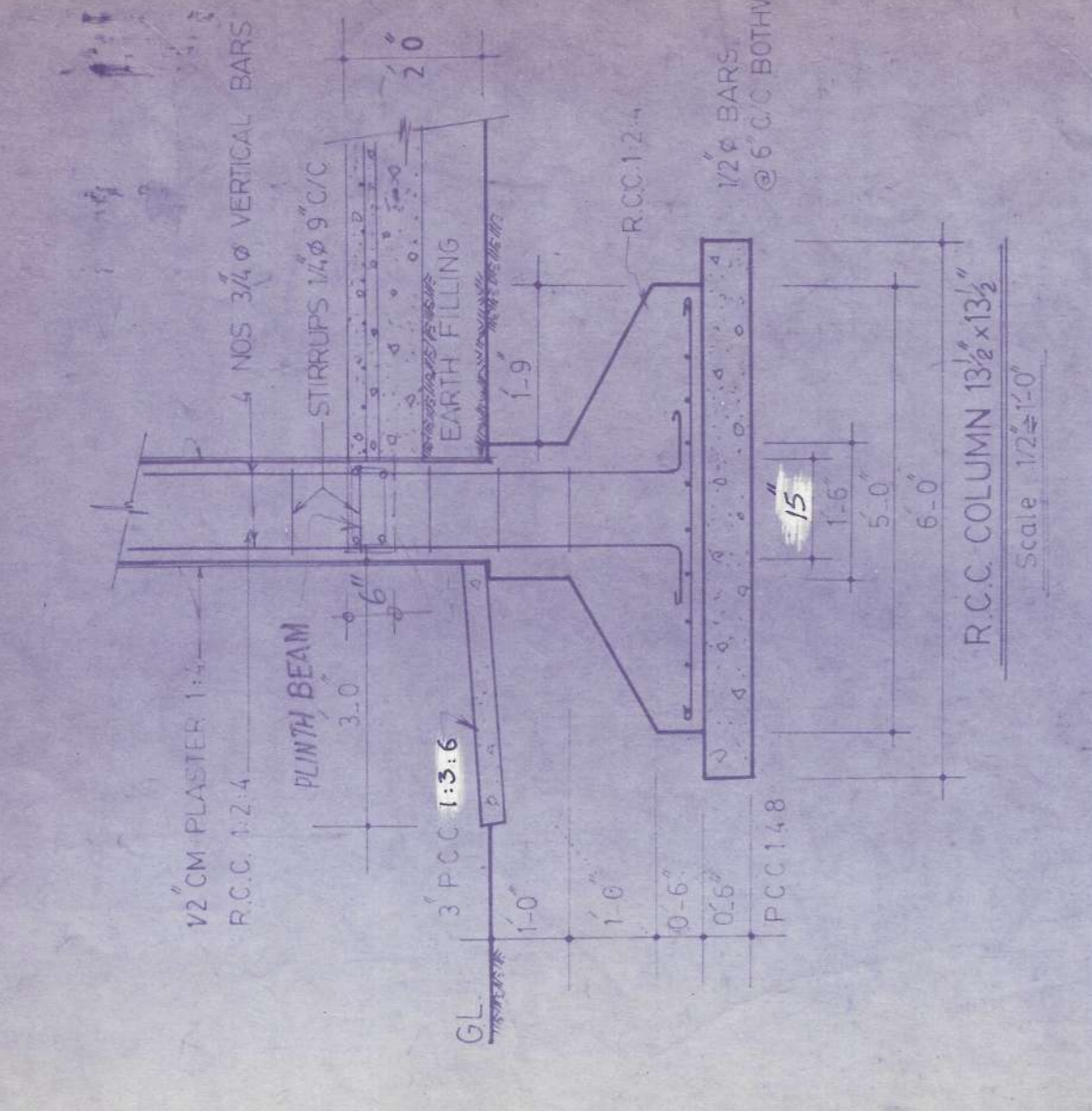
ROOF PLAN  
Scale 1/8" = 1'-0"



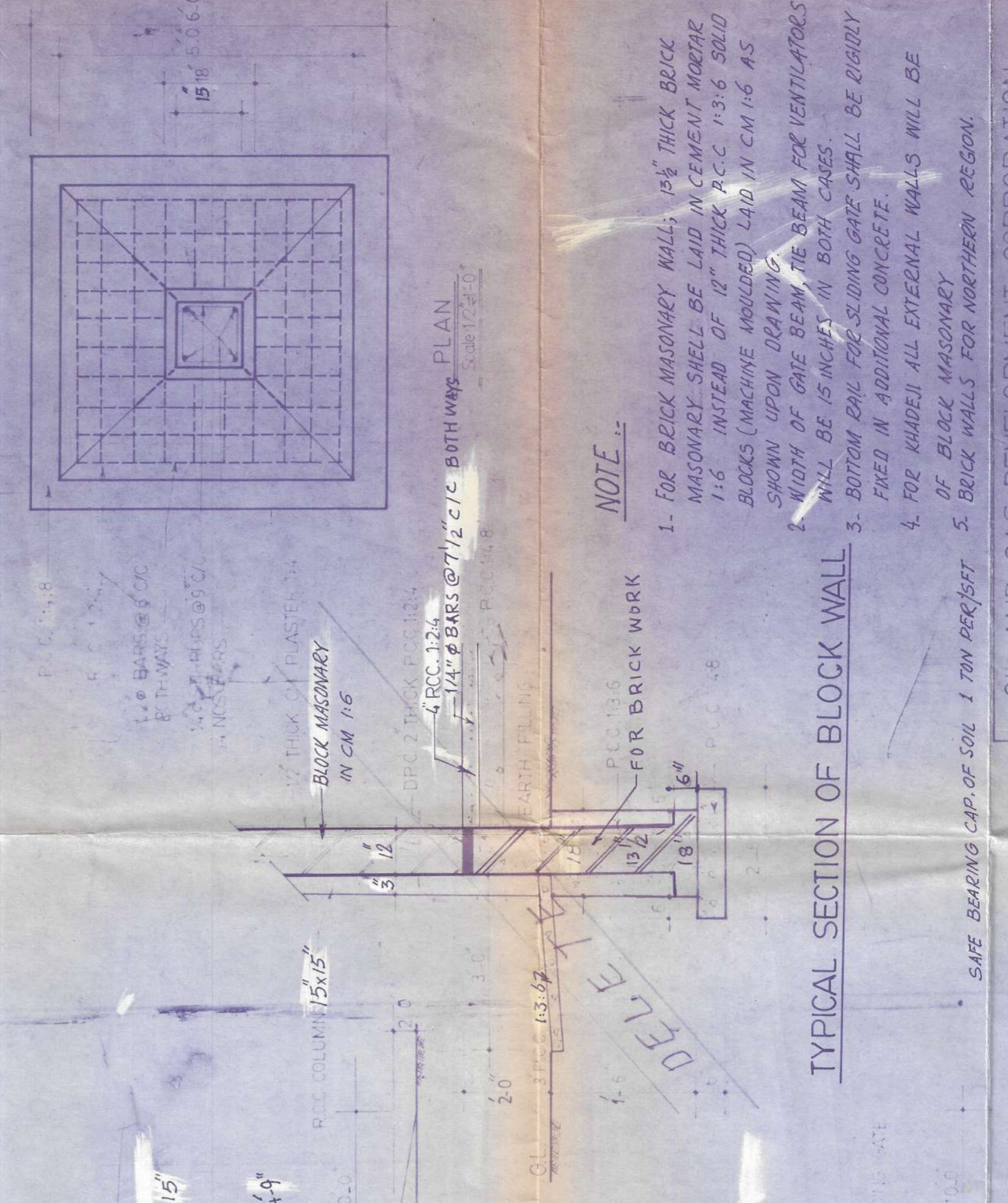
SIDE ELEVATION  
Scale 1/8" = 1'-0"



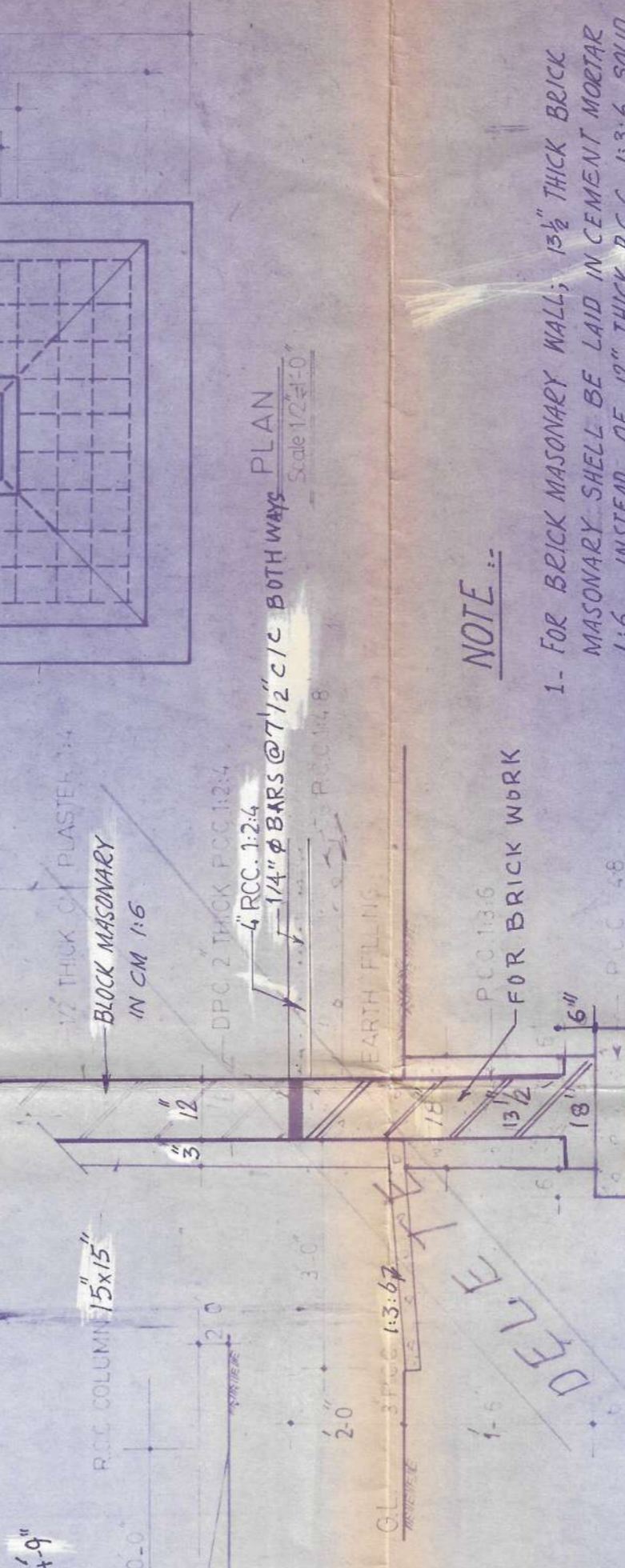
FRONT ELEVATION  
Scale 1/8" = 1'-0"



X-SECTION OF PLINTH BEAM  
Scale 1/4" = 1'-0"



TYPICAL SECTION OF BLOCK WALL



FOUNDATION DETAIL  
Scale 1/4" = 1'-0"

DELETED

**NOTE**

1. FOR BRICK MASONRY WALL; 1/2" THICK BRICK MASONRY SHALL BE LAID IN CEMENT MORTAR 1:1:6 INSTEAD OF 1/2" THICK R.C.C. 1:3:6 SOLID BLOCKS (MACHINE MOULDED) LAD IN C.M. 1:6 AS SHOWN UPON DRAWING.
2. WIDTH OF GATE BEAM, THE BEAM FOR VENTILATORS WILL BE 15 INCHES IN BOTH CASES.
3. BOTTOM RAIL FOR SLIDING GATE SHALL BE RIGIDLY FIXED IN ADDITIONAL CONCRETE.
4. FOR GRADE II ALL EXTERNAL WALLS WILL BE OF BLOCK MASONRY.
5. BRICK WALLS FOR NORTHERN REGION.
6. SAFE BEARING CAP OF SOIL 1.70N PER SQ FT.

OIL AND GAS DEVELOPMENT CORPORATION	
DRG NO. P.E. (C)-121	CIVIL ENGINEERING DEPT.
DRN BY: [Signature]	WAREHOUSE (50' X 100')
TRCD BY: [Signature]	
DATE: 13-5-91	
CHECKED BY: [Signature]	APPROVED BY: [Signature]
S.E. (C)	P.E. (C)
	D.M. (C)