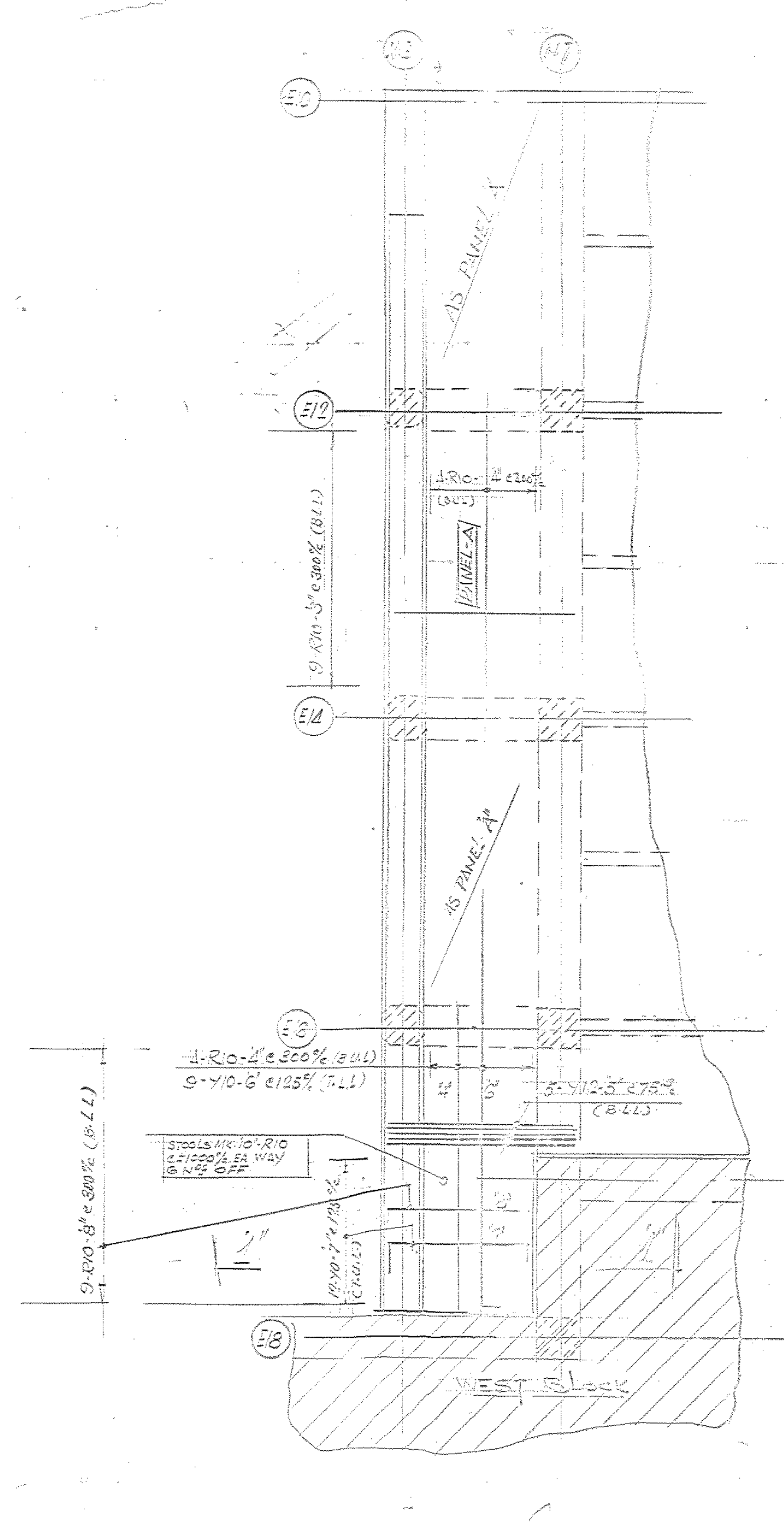
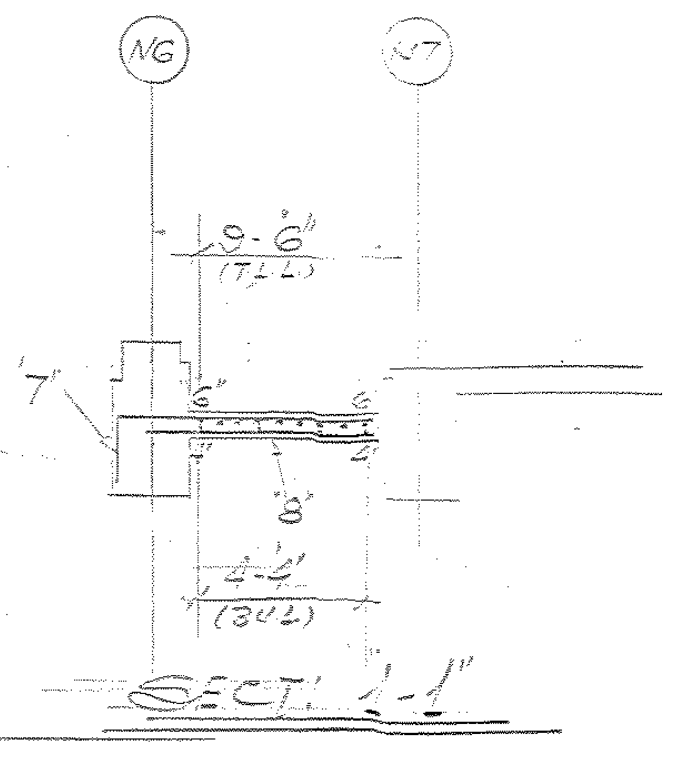
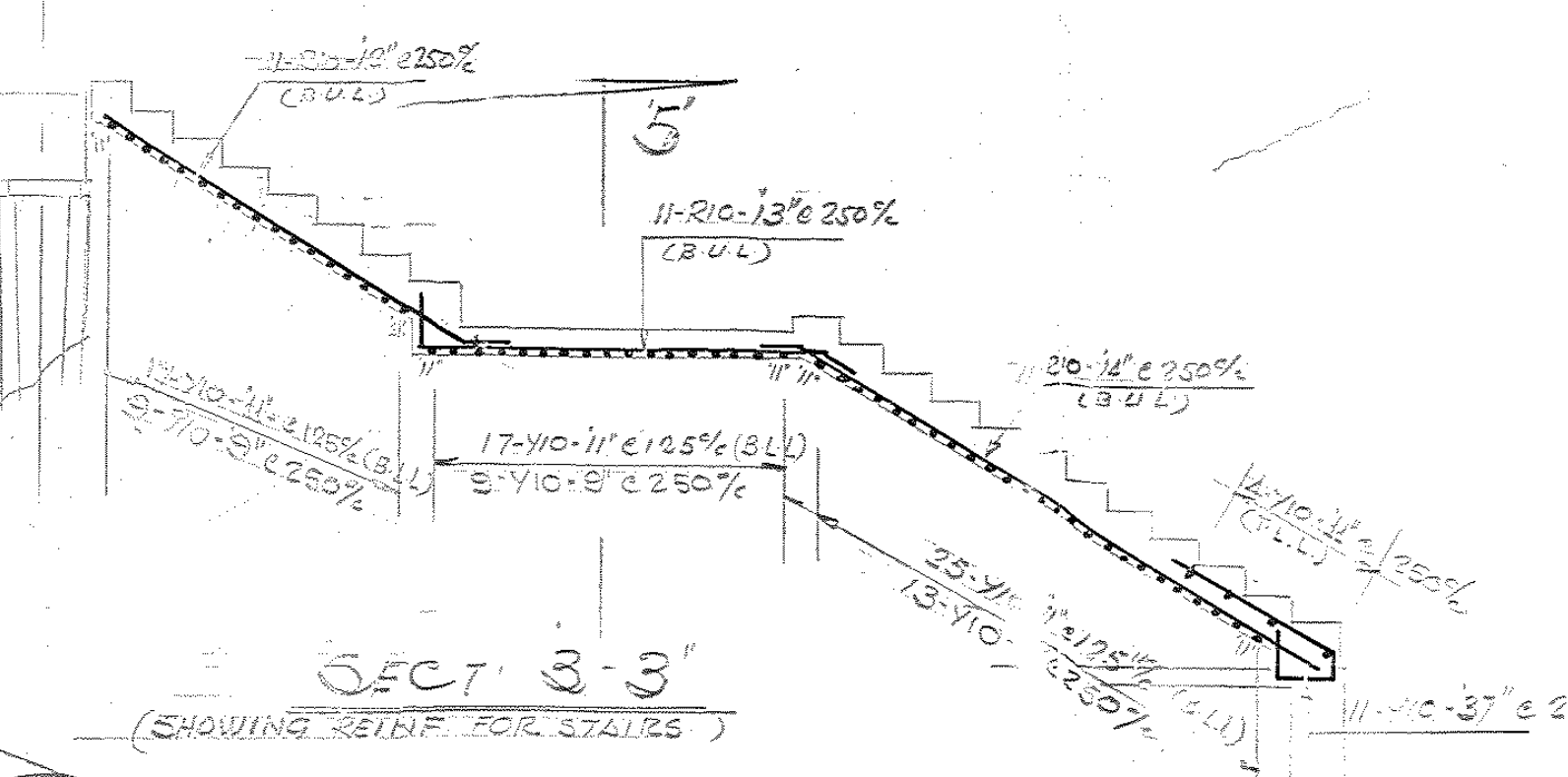
THIS DRG. TO BE READ FOR
REINFORCING DETAILS ONLY



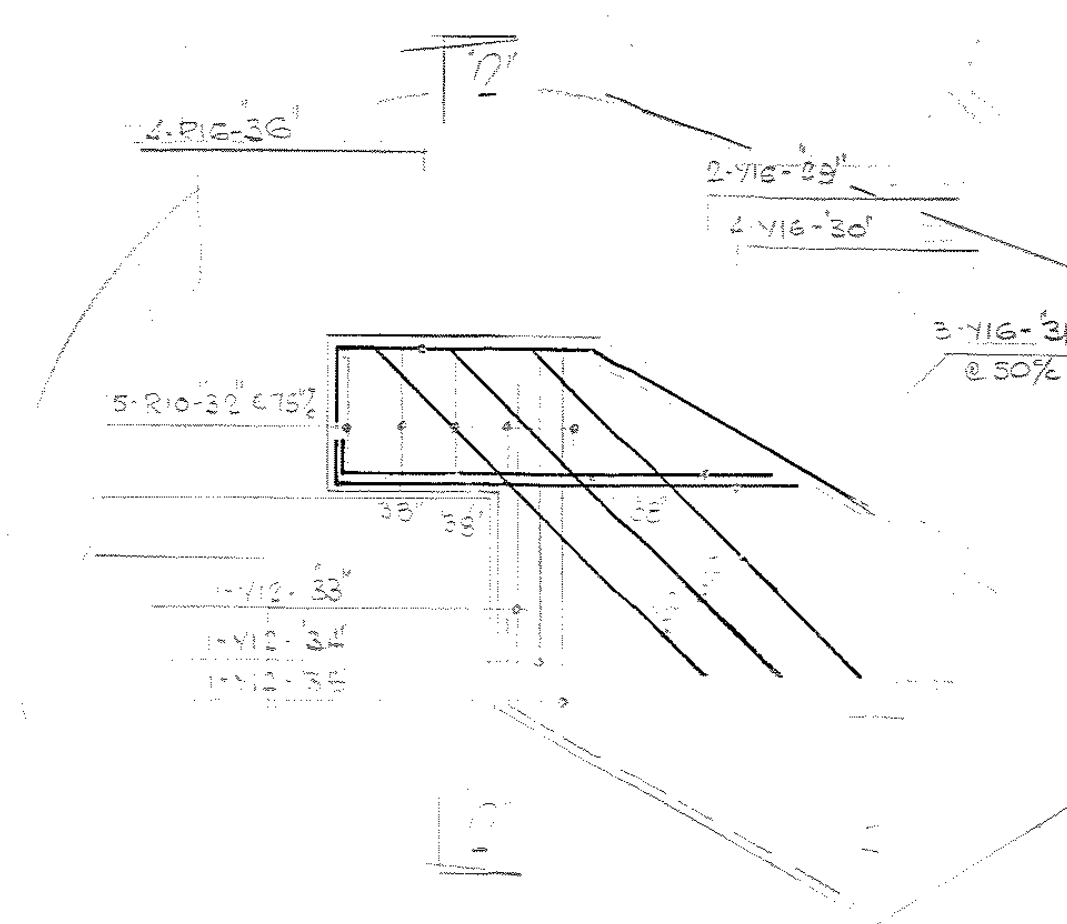
SLABS-① (ENLARGED PLAN)

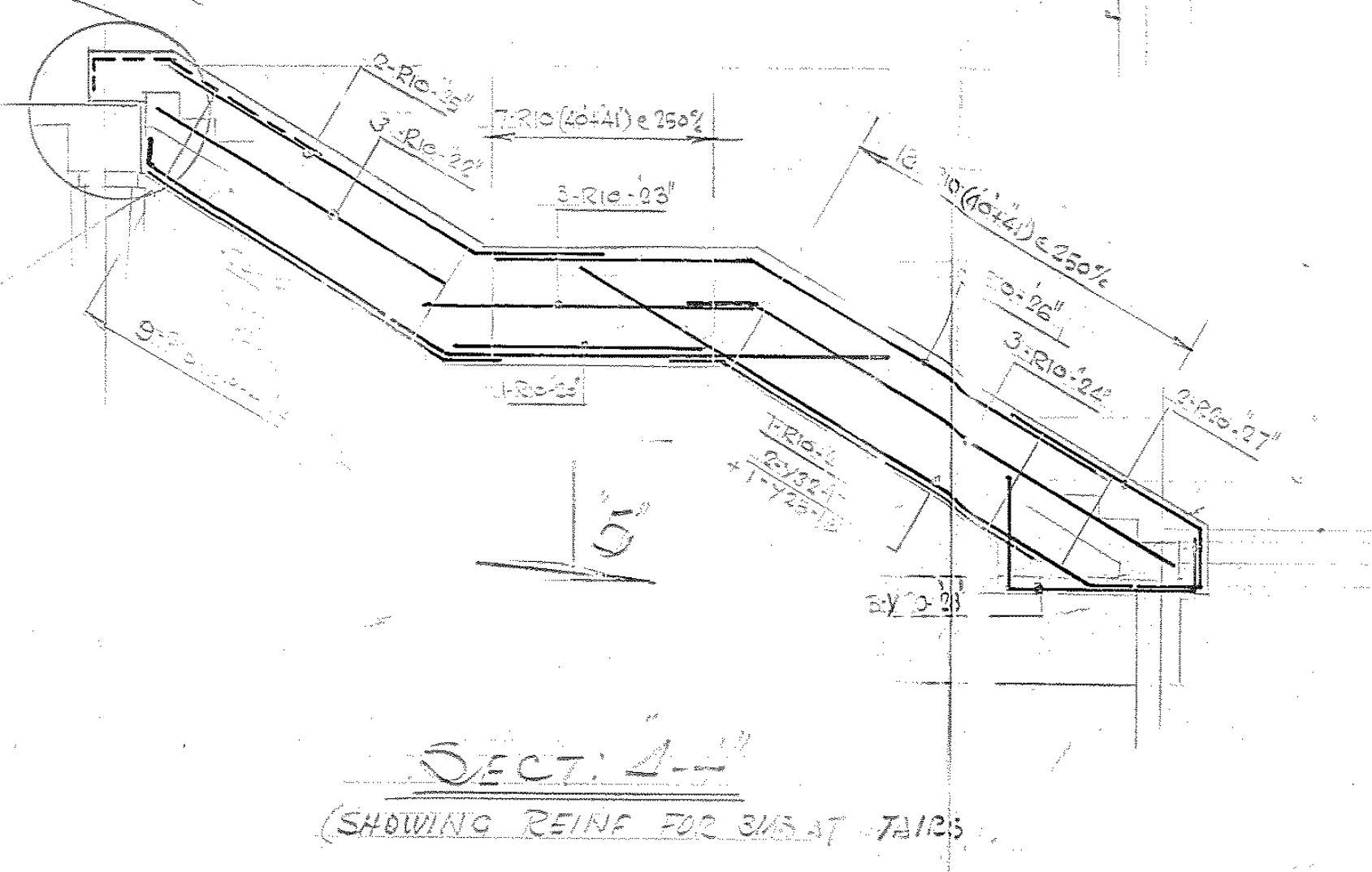


SECT. 1-1

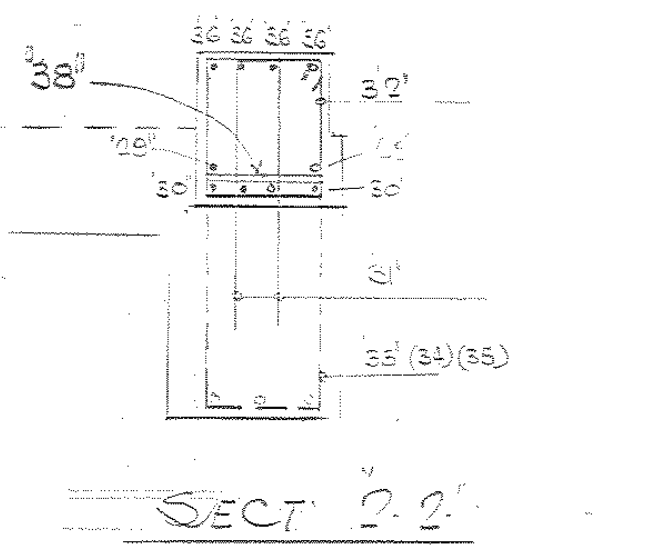


SECT. 3-3 (SHOWING REINF. FOR STAIRS)

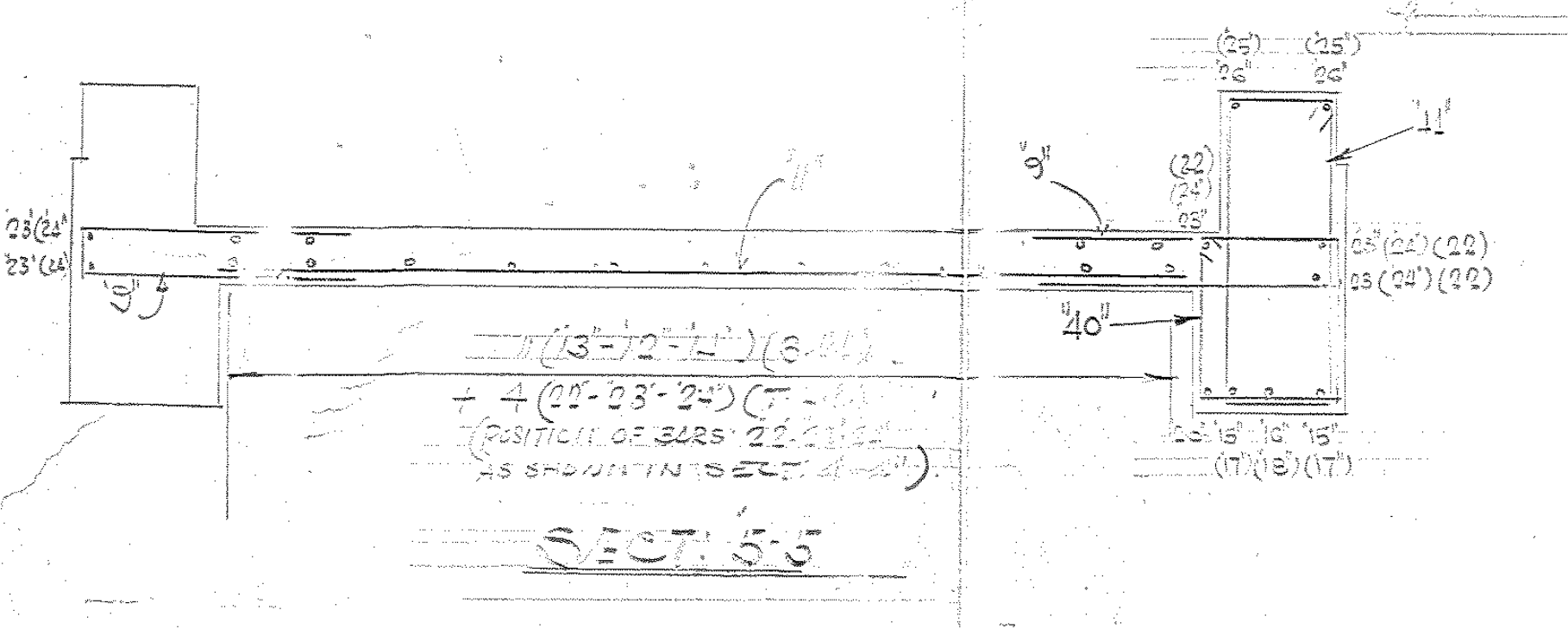




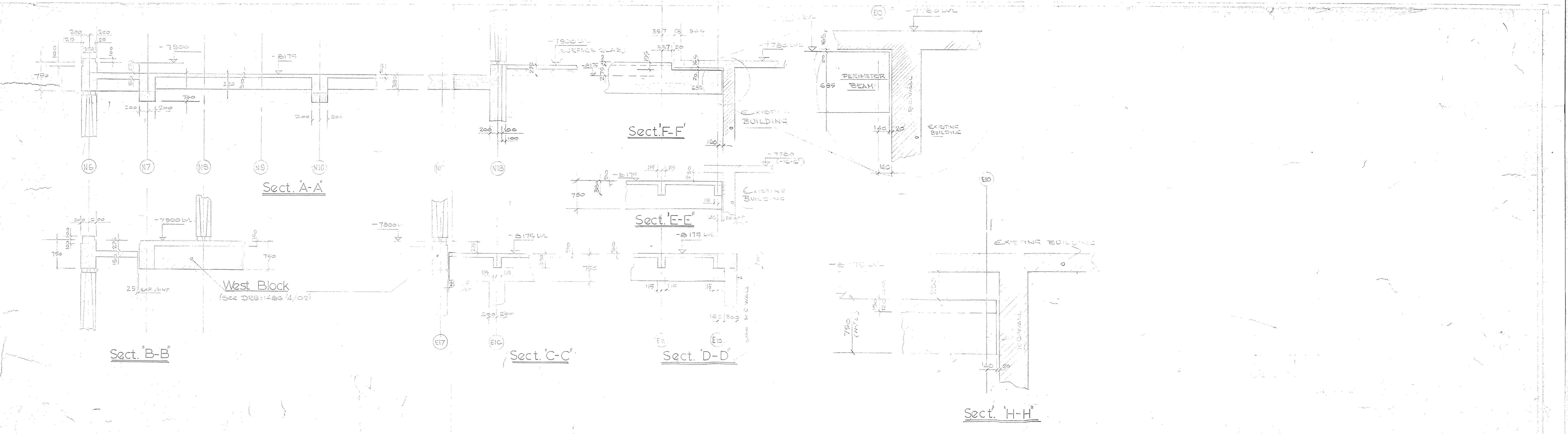
SECT. 4-4 (SHOWING REINF. FOR SLAB AT 7.1/23)



SECT. 2-2



SECT. 5-5



Sect. 'A-A'

Sect. 'B-B'

West Block (See DRG. 1486/4/02)

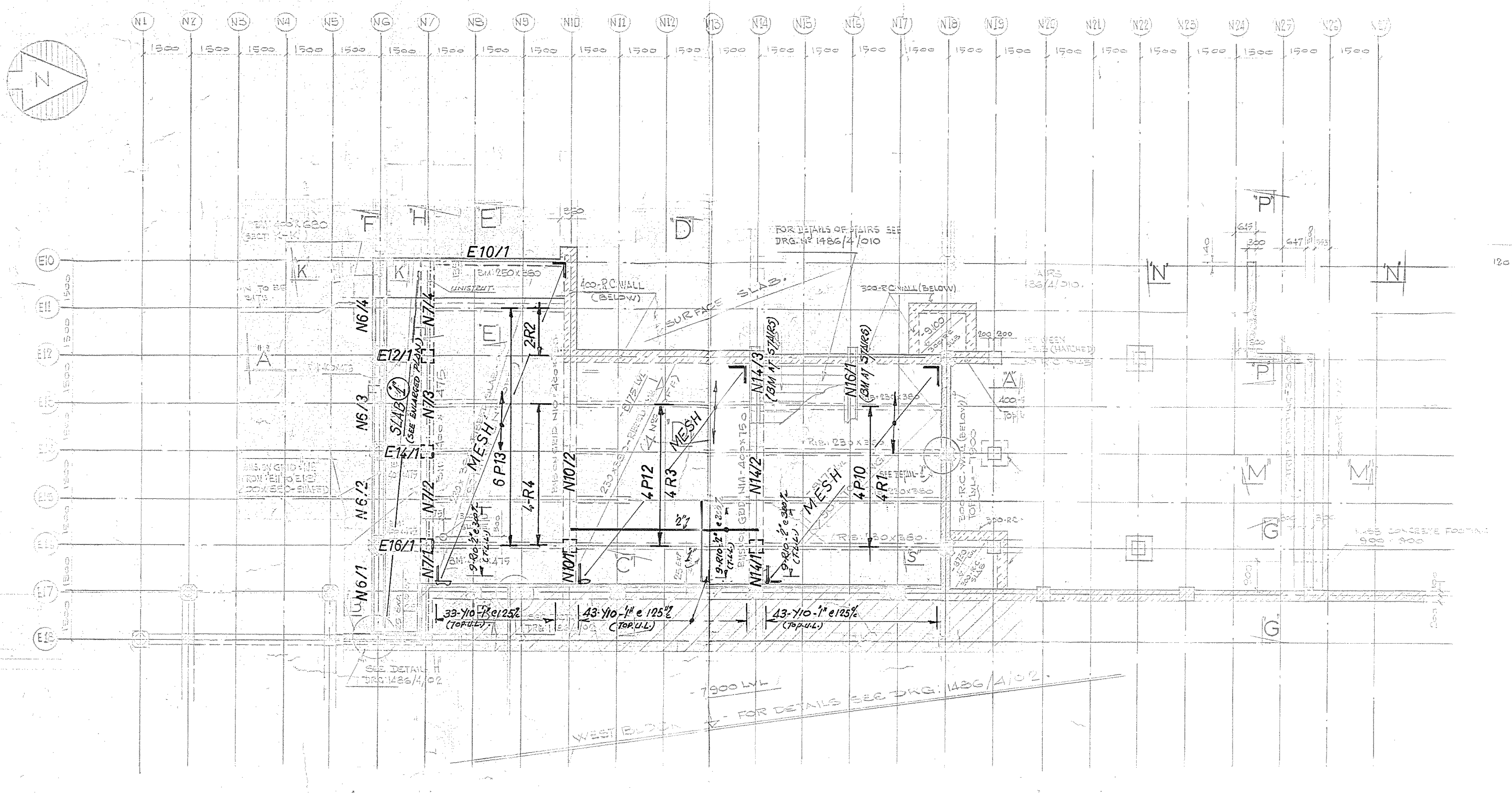
Sect. 'C-C'

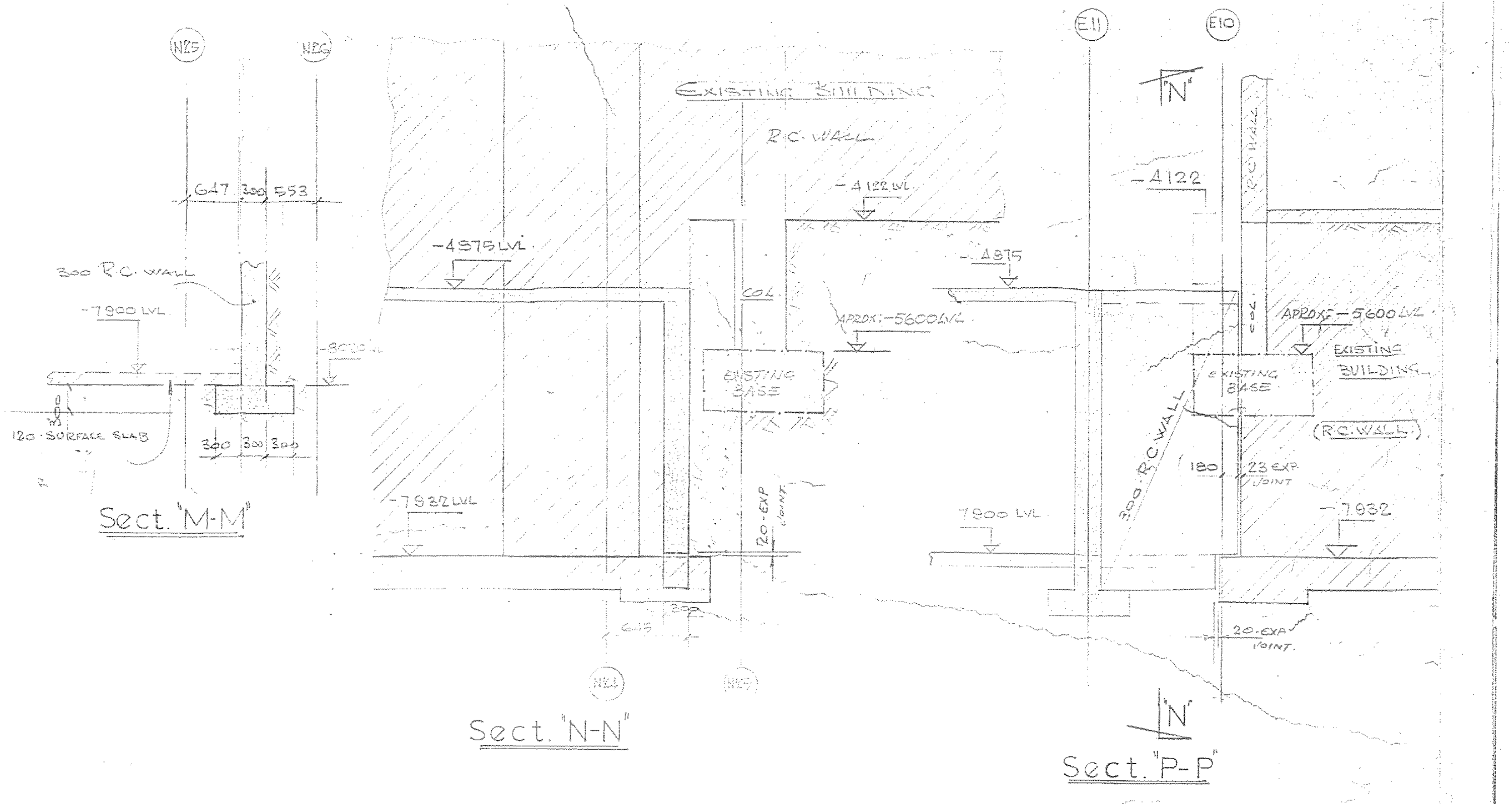
Sect. 'D-D'

Sect. 'E-E'

Sect. 'F-F'

Sect. 'H-H'


N
E10/1
E12/1
E14/1
E16/1
N6/4
N6/3
N6/2
N6/1
N7/4
N7/3
N7/2
N7/1
N10/2
N10/1
N14/3 (BM AT STAIRS)
N14/2
N14/1
N16/1 (BM AT STAIRS)
SLAB ① (SEE ENLARGED PLAN)
MESH
6P13
4-R4
2R2
4P12
4R3
4P10
4R1
SURFACE SLAB
400-R.C. WALL (BELOW)
300-R.C. WALL (BELOW)
FOR DETAILS OF STAIRS SEE DRG. No 1486/4/010
33-Y10-1" e 125% (TOP U.L.)
43-Y10-1" e 125% (TOP U.L.)
43-Y10-1" e 125% (TOP U.L.)
9-R10-2" e 300% (T.L.L.)
SEE DETAIL 'H' DRG. 1486/4/02
-7900 LVL
WEST BLOCK - FOR DETAILS SEE DWG: 1486/4/02
MASS CONCRETE FOOTING 900 × 900



Sect. 'M-M'

Sect. 'N-N'

Sect. 'P-P'

| Col. Base Table | | | | Column Table | | |
|---|---|---|---|---|---|---|
| Member | size e-w | size n-s | Depth | Member | size e w | size n s |
| N22-E12; N22-E16; N... | 800 | 800 | 300 | N22-E12; N22-E16 | 400 | 400 |
| | | | | N18-E12; N18-E14; N18-E16<br>N8-E17; N11-E17; N14-E17; N17-E17<br>(SEE DETAIL 'D' - DRG. 1486/4/014) | AS PER DETAIL | |

## GENERAL NOTES

1- R.- DENOTES RIB TYPE. eg: R3.
P.- DENOTES PLANK TYPE eg: P12

2- MESH TO BE: ref. 289 THROUGHOUT
i.e.: MAIN WIRES: 5·6 e 100%
CROSS WIRES: 5·6 e 200%
DIRECTION OF MAIN BARS INDICATED THUS ⟷
15mm COVER BOTTOM TO MAIN WIRES

3- LAPS IN MESH TO BE 300mm SIDE & ENDS.

4- LEGEND:
T.U.L.: TOP UPPER LAYER
T.L.L.: TOP LOWER LAYER
B.U.L.: BOTTOM UPPER LAYER
B.L.L.: BOTTOM LOWER LAYER

5- BENDING SCHEDULES:
a) FOR BMS: 4/19/250 TO 4/19/255
b) FOR RIBS: 4/19/260 TO 4/19/262
c) FOR SLABS: 4/19/256
d) FOR STAIRS: 4/19/257 TO 4/19/259.

| REFERENCE DRGS. NUMBER | TITLE |
|---|---|
| 4/02 | WEST BLOCK - R.C. LAYOUT & DETAILS @ -7900 LVL |
| 4/010 | PORTION BETWEEN WEST BLOCK & EXISTING CHEM. & METALL. BLOCK R.C. LAYOUT & DETAILS @ -4875 LVL |
| 4/014 | DETAILS OF COLS. TO EAST & WEST COLONNADE & MAIN ENTR. |

| REVISIONS REV. | DATE | DESCRIPTION |
|---|---|---|
| | | |

UNIVERSITY OF THE WITWATERSRAND
JOHANNESBURG
MULTIPURPOSE BUILDING

PORTION BETWEEN WEST BLOCK
&
EXISTING CHEMICAL AND METALLURGICAL BLD.
REINFORCING LAYOUT at -8175 LVL.

A. J. OCKLESTON
IN ASSOCIATION WITH
RIGBY, CRONJE & LEVENDIS
CONSULTING CIVIL ENGINEERS
STANDARD HOUSE, 40 DE KORTE ST, BRAAMFONTEIN, JOHANNESBURG
P.O. BOX 7034, JOHANNESBURG TELEPHONE: 725-3920

| | |
|---|---|
| SCALE | 1:10; 20; 50; 100.- |
| DRAWN | Losada. |
| CHECKED | |
| APPROVED | |
| DATE | 21·10·71. |
| CONTRACT No. | 1486 |
| DRAWING No. | 4/19 |