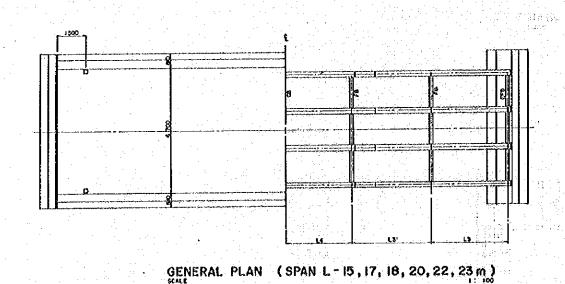
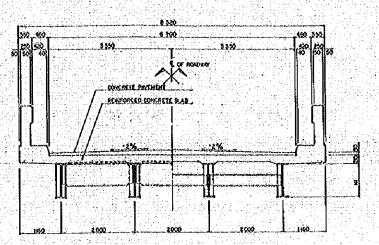


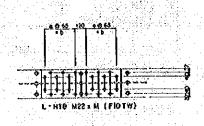
GENERAL PLAN (SPAN L-15, 17, 18, 20, 22, 23 m)

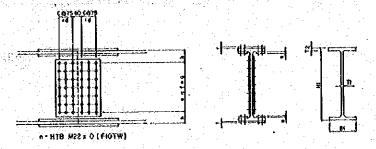


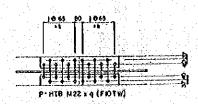
BASIC STRUCTURAL PLAN OF BRIDGES



SUPERSTRUCTURE CROSS SECTION







JOINT OF GIRDER (SMA 50 AP)

| CONSTRU     | THE BASIC DESIGN STUDY ON THE PROJECT I<br>ICTING BRIDGES ALONG RURAL ROADS (PHASE | FOR<br>IV, GROUP I) |
|-------------|--|---------------------|
| BRIDGE NO   | BAGIG CYDLICTUDAL DUAL OF COURCE   | SHEET NO.           |
| ALL BRIDGES | BASIC STRUCTURAL PLAN OF BRIDGES   | 62/65               |

|             | QUALITY OF                 | STEEL BRIL | DGE                |
|-------------|----------------------------|------------|--------------------|
|             | ORDINARY STEEL             | WE/        | ATHERING STEEL     |
| BRIDGE NO.  | NAME OF BRIDGE             | BRIDGE NO. | HAME OF BRIDGE     |
| 08.02.01    | SAN RAFAS), BRIDGE         | 06.04.09A  | tayuh - an Bridge  |
| 05.02.00    | BERIRAN BRIDGE             | 06.04.10A  | PANDANON BRIDGE    |
| 05.02.03    | BACALON GRIDGE             | 06.04.12A  | BAGO BRIDGE        |
| 03.04.04    | MAYAQUE BRIDGE             | 06.06.03   | SEGUIDAN BRIOGE    |
| 05.04.02    | CALIMOOD BRIDGE            | 07.03.03   | CANTACNOON BRIDGE  |
| 05.04.03    | PINASLAPAAN BRIDGE         | 07.06.05   | MANTALONGON BRIDGE |
| 05.05.08    | ODICON GRIDGE              | A80.20.10  | MAG - AMBAC BRIDGE |
| 05.06.02    | MANOLIB BRIOGE             | 07.08.07A  | CITY POUND BRIDGE  |
| 05.06.03    | BALCOSA BRIDGE             | 08.04.01A  | MATAGNAO BRIDGE    |
| 06.01.14    | CALANGCANG CARUGDOG BRIDGE | 05.01.02   | SAN VICENYÉ BRIDGE |
| 06.06.08    | ALAMEDA BRIDGE             |            |                    |
| 07.03.01    | TOHOGON BRIDGE             |            |                    |
| 07.03.02    | CANEWAY BRIDGE             |            |                    |
| 07.04.07A   | CANALAO BRIOGE             | ]          |                    |
| 07.04.11A   | CARGOO BRIDGE              | 1          |                    |
| 07.04.12A   | TIPOLO BRIDGE              |            |                    |
| 07,00.06    | DUMA OG - BLASONG BRIDGE   | 1          | •                  |
| 07 .06 .09A | YLAYA'II BRIDGE            | 1          |                    |
| 08.01.064   | LAWA - AN BRIDGE           | ]          |                    |
| C8. Ot .07A | DISPO BRIDGE               | ]          |                    |
| 08.03.03    | BASUD BRIDGE               |            |                    |
| 08.03.06A   | HATAG - 05 BRIDGE          | 1          |                    |
| 08.07.09A   | BANÇÓN BRIDGE              | 1          |                    |
| 05.03.02    | KAMPAHIKAN BRIDGE          | 7          |                    |

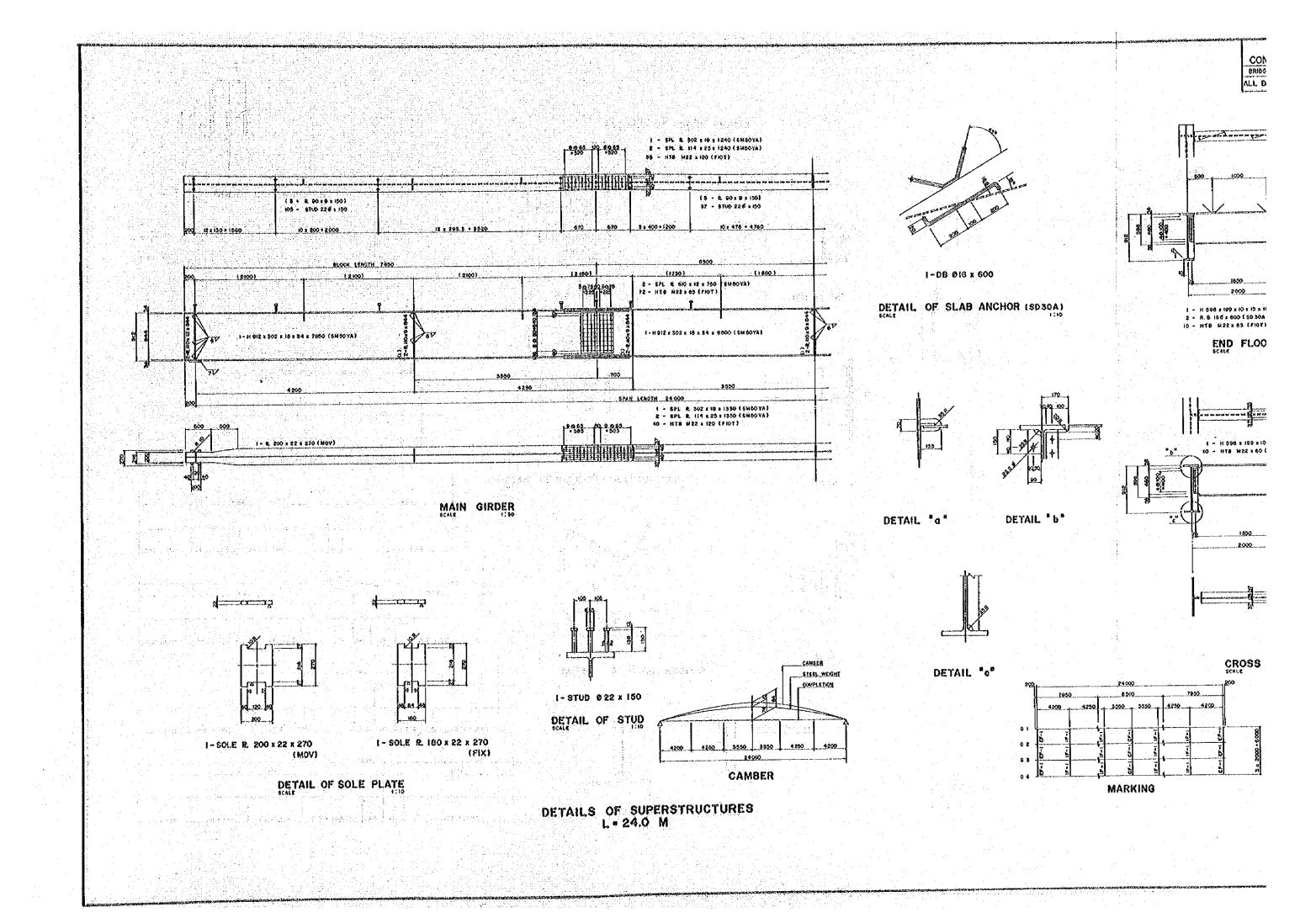
| SECTION | OF MAIN | GIRDER   | GIRDER (SMA 50 |     |  |  |  |
|---------|---------|----------|----------------|-----|--|--|--|
| SPAN    | HI      | BI       | Υt             | 1/2 |  |  |  |
| 15a     | 700     | 300      | 13             | 24  |  |  |  |
| 17a     | · "     | <b>~</b> |                |     |  |  |  |
| 1¢n     | 752     | 390      | 14             | 88  |  |  |  |
| 20:a    | 690     | 299      | 15             | 23  |  |  |  |
| \$54    | 900     | 300      | 18             | 24  |  |  |  |
| 23m     | 912     | 302      | 18             | 34  |  |  |  |
| 24m     | 912     | 302      | 14             | 34  |  |  |  |

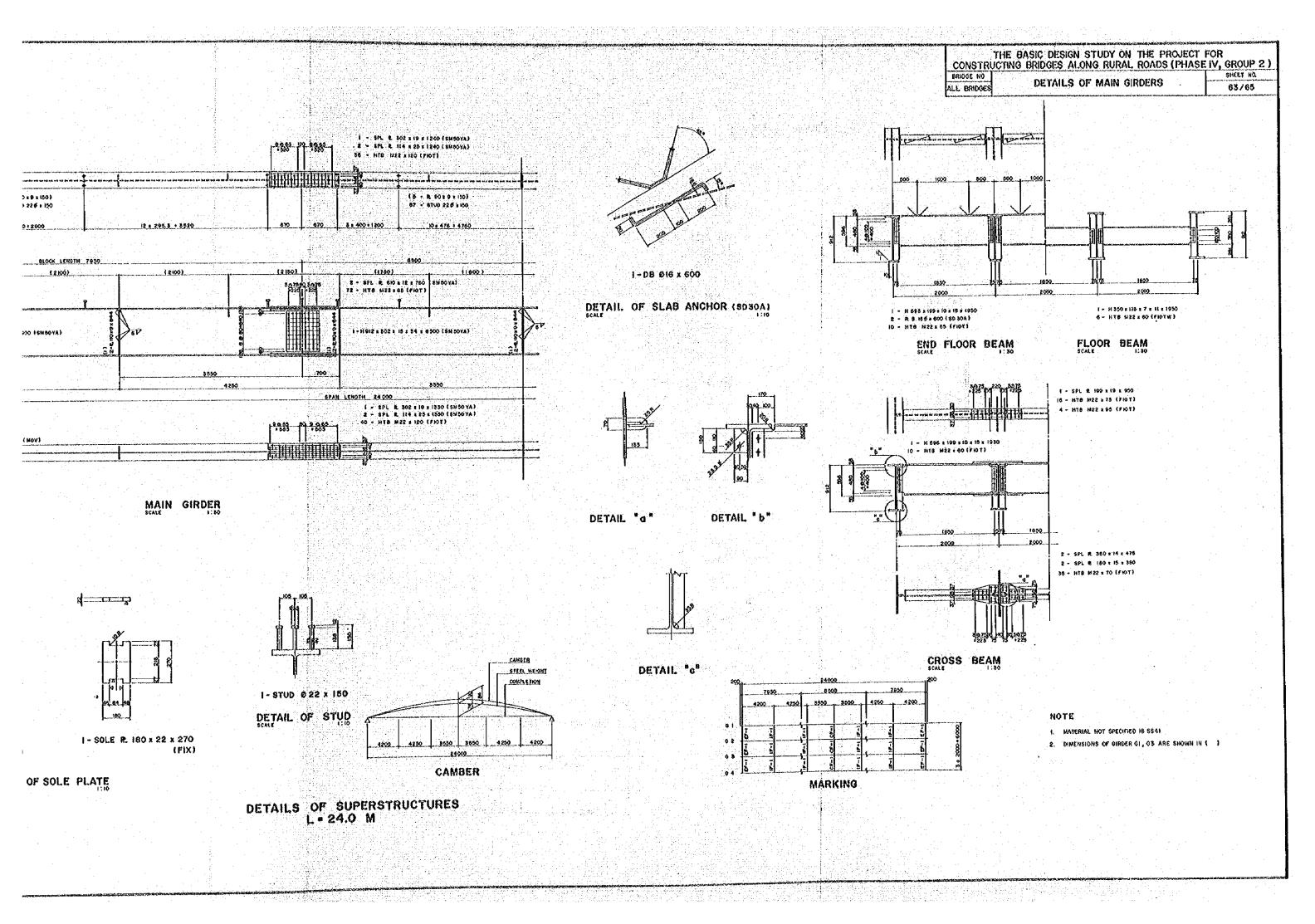
| NOTE:       |       |        |        |          |
|-------------|-------|--------|--------|----------|
| I. MATERIAL | A9    | HDIÇA1 | rEO IS | FOR      |
| WEATHERN    | 13 SI | EEL E  | RIDGE  |          |
| ORDINARY    | STEE  | L BRI  | DGE N  | MITERIAL |
| SHALL BE    | \$4.5 | OYA,   | S541   | ФКA      |
| FIGT FO     | Y2 82 | N TX   |        |          |

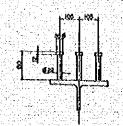
| CROSS BEAM SPACING |        |             |        |        |       |     |  |  |  |  |
|--------------------|--------|-------------|--------|--------|-------|-----|--|--|--|--|
| SPAH (LI)          | 1.2    | L3(L3)      | L4     | 1.6    | L6    | HI  |  |  |  |  |
| 15 000             | 15 400 | 3 500       | 4 000  | 4 500  | 6000  | 700 |  |  |  |  |
| 17 000             | 17 400 | 4 200       | 4 300  | \$ 000 | 7000  | 700 |  |  |  |  |
| 18 000             | 16 400 | 4 500       | 4500   | \$ 300 | 7 400 | 792 |  |  |  |  |
| 20 000             | 20 409 | 3 000       | \$000  | 6 000  | 8000  | 890 |  |  |  |  |
| 22 000             | 22 400 | 6 900       | \$ 500 | 6 800  | 8 400 | 900 |  |  |  |  |
| 23 000             | 23 400 | 5 500       | 6 000  | 7 500  | 8000  | 912 |  |  |  |  |
| 24 000             | 24 400 | 4200 (4250) | 3 550  | 7 160  | 8 500 | 815 |  |  |  |  |

|             |   |     |     |      |   |    |          | DIM | ENS | ON   | OF  | GIR  | DER |    |     |     |    |    |    |          |   |
|-------------|---|-----|-----|------|---|----|----------|-----|-----|------|-----|------|-----|----|-----|-----|----|----|----|----------|---|
| GIADER SIZE | • | ь   | ¢   | •    | • | 1  | •        | ħ   | 1   | la . | į   | 163  | Ą   | ٠  | ø   | 9   | ,  |    | 1  | U        |   |
| H - 700     | 6 | 325 | 2   | 150  | 9 | 90 | 450      | 123 |     | 390  | 24  | 90   | 36  | 75 | 28  | 95  | 10 | 12 | 12 | 16       |   |
| H - 792     | 5 | 345 | 2   | 150  | 6 | *  | \$40     | 126 | 6   | 325  | 24  | 65   | 42  | 75 | 24  | 90  | 10 | 15 | 12 | 18       |   |
| H • 690     | 3 | 325 | . 3 | 223  | 0 | 80 | 640      | 125 |     | 390  | 24  | 83   | 72  | 75 | 5\$ | 95  | 10 | 12 | 12 | Ŋ.       |   |
| H - 960     | 6 | 350 | 3   | 225  | • | eo | 640      | 150 | 7   | 415  | 28  | \$\$ | 72  | ?E | 32  | 105 | 15 | 14 | 14 | 22       | ╝ |
| H - 915     | • | 520 | 3   | \$53 |   | 60 | <b>W</b> | 136 | þ   | 585  | 3-5 | 113  | 72  | 60 | 40  | 150 | 14 | 19 | 19 | <b>a</b> |   |

HOTE : FOR SPAN L : 24m [H-912] : M= 120 ; 0.60 , ++19 , 1-25





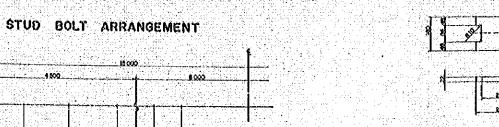


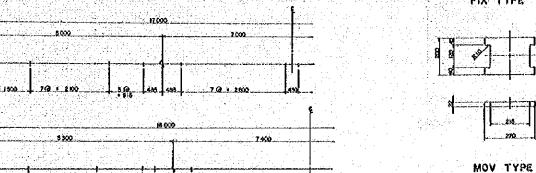
DETAILS OF CROSS BEAMS

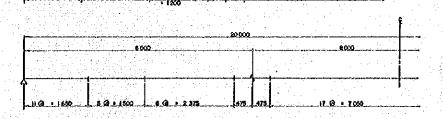
DETAIL "a"

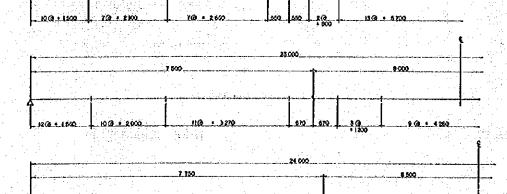
DETAIL "b"

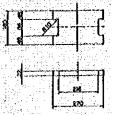
DETAIL "o"

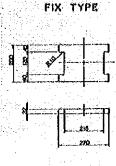




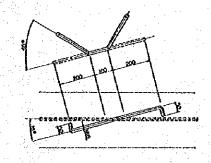




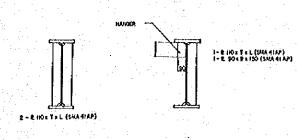




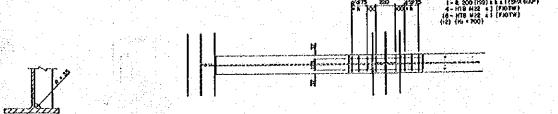


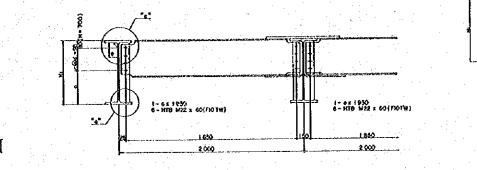


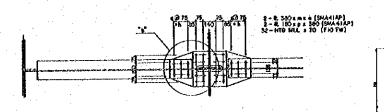
DETAIL OF SLAB ANCHOR



DETAIL OF STIFFNER







CROSS BEAM

| SPAN  | <b>d</b>                | <u> </u> | ¢        | 4   |     |
|-------|-------------------------|----------|----------|-----|-----|
| 15 to |                         | 1.       | ١.       | 80  | 380 |
| (Pm   | 14 - 400 a 200 a 8 a 13 | '        | <b>.</b> |     | 380 |
| 16 m  |                         | 1        |          |     | 294 |
| 20 m  |                         |          | 4.       |     | 332 |
| 22 m  | H-596 c 199 ±104 15     | 5        |          | 100 | 402 |
| \$3.e |                         |          | ļ        | 1   | 418 |
| 24 m  |                         |          | l        | Į.  | 414 |

| GRCER SIZE  | END FLOOR BEAM | CROSS/FLOOR BEAM | ,   |
|-------------|----------------|------------------|-----|
| OFFICE SALE | T              | tl               |     |
| . If e 700  | 9              | ,                | 662 |
| H = 192     | ,              | •                | 748 |
| H + 630     | 9              | 9                | 844 |
| H = 500     | 12             | ŝ                | 614 |
| H . 612     | 12             | •                | 861 |

THE BASIC DESIGN STUDY ON THE PROJECT FOR CONSTRUCTING BRIDGES ALONG RURAL ROADS (PHASE IV. GROUP 1)

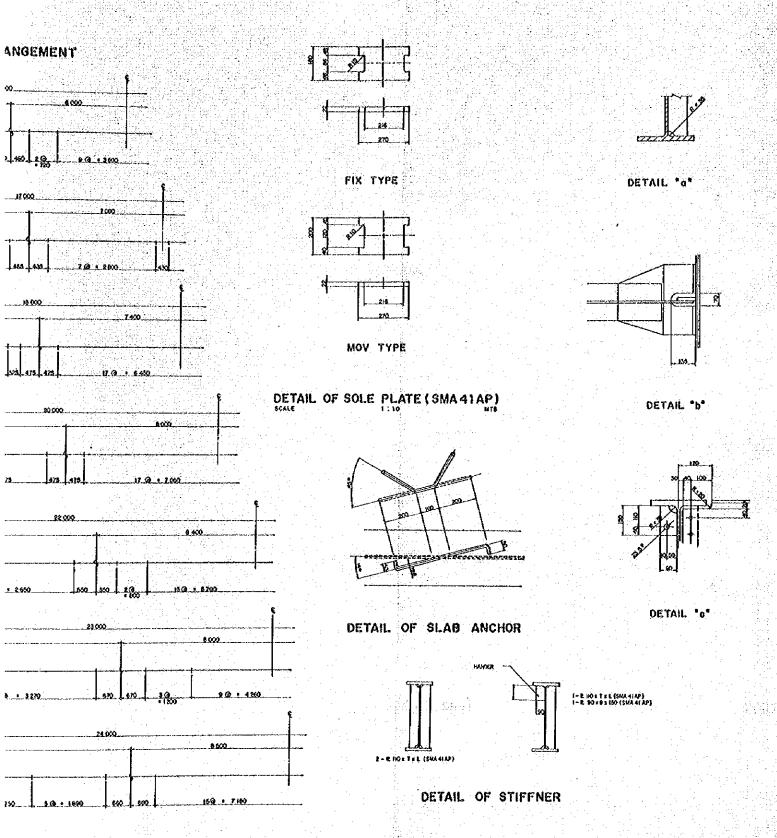
BRIDGE NO. SHEET NO.

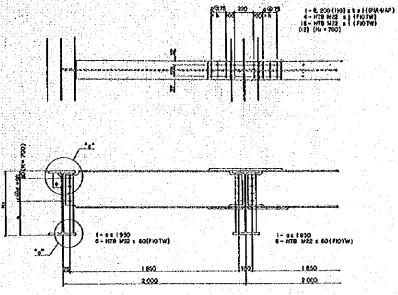
ALLERDOES DETAILS OF CROSS BEAMS

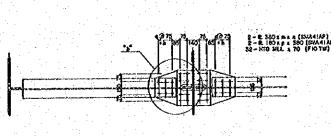
- 016 1 600 (SD30A)

1-01 1930 6-618 M22 1 65(FIOTH) SHEET NO. 64 / 65

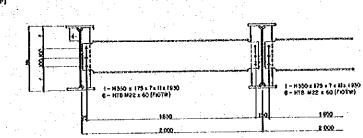
## DETAILS OF CROSS BEAMS







CROSS BEAM



END FLOOR BEAM

FLOOR BEAM

| SPAN  | 4                      | ь |          | a        | ě   | f   | 9   | ħ   |         |    | k  | 1   | m           | a   | . Р | q        | 18) |
|-------|------------------------|---|----------|----------|-----|-----|-----|-----|---------|----|----|-----|-------------|-----|-----|----------|-----|
| län . |                        |   |          |          | 140 | 250 |     | 150 | 70      | 80 | 16 | 800 |             | 600 | 13  | 63       | 700 |
| It m  | R = 400 € 200 a Ø € 15 | • | 3        | 80       | 360 | 250 |     | 130 | ,,,     | 60 |    |     | ļ. <u> </u> |     |     | L        | 700 |
| 18 m  |                        |   |          |          | 231 | 298 |     |     |         |    |    |     | •           |     |     |          | 185 |
| 20 m  |                        |   |          |          | 392 | 349 |     |     |         |    |    |     |             | ĺ   |     |          | 690 |
| 22 m  | H-694 s 199 x 10 s 15  | 6 | •        | Ю,       | 402 | 350 | 3 / | 225 | 78      | 65 | 19 | 950 | 14          | 475 | 15  | no       | 970 |
| 23 m  |                        |   |          |          | 414 | 756 |     |     |         | 1  |    |     | İ           | ]   |     | 1        | 912 |
| 24 m  |                        |   | <u> </u> | <u> </u> | 414 | 339 | l   | L   | <u></u> | L, | L  | L   | L           | 1   | i   | <u> </u> |     |

|   | GIRCER SIZE | END FLOOR BEAM   | CROSS/ILO | OR BEAM | L   |
|---|-------------|--|-----------|---------|-----|
|   | GAUTEN SAVE | Υ  |           | I       |     |
|   | H + 200     |  | •         |         | 662 |
| i | 1 : Ho      | •  |           |         | 748 |
|   | н вы        |  |           |         | 644 |
|   | H . 9/0     | THE WAY TO SERVE THE SERVE | 4         |         | *** |
|   | N = 912     | 12   | 100       | 5       | 644 |

## NOTES:

Materials as indicated are for weathering steel bridge. Croinary steel bridge material shall be shisona, ssai and fiot for bouts.

