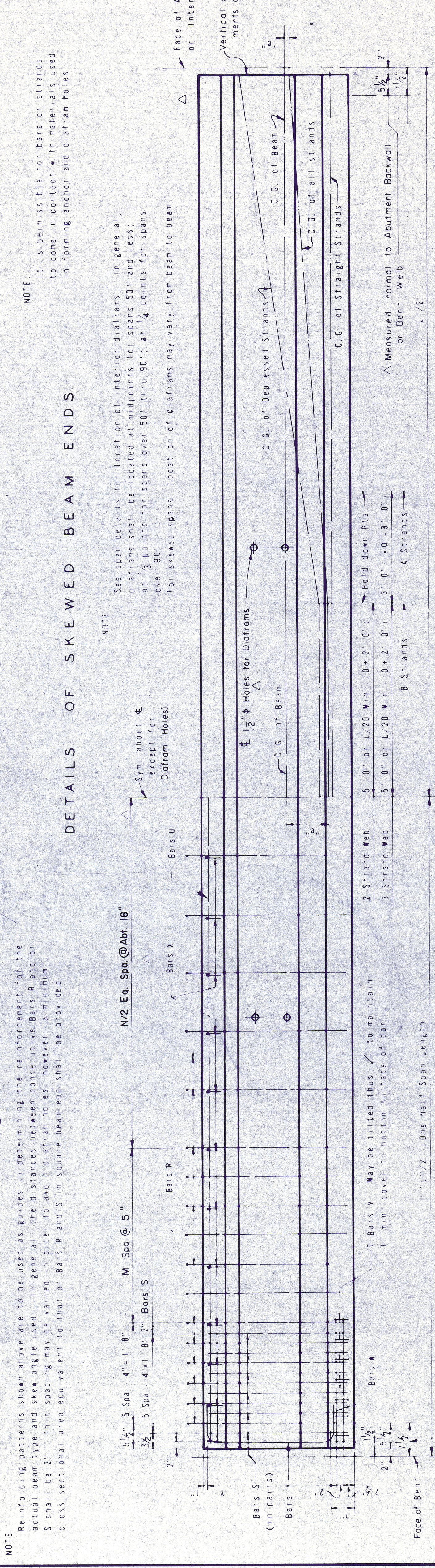
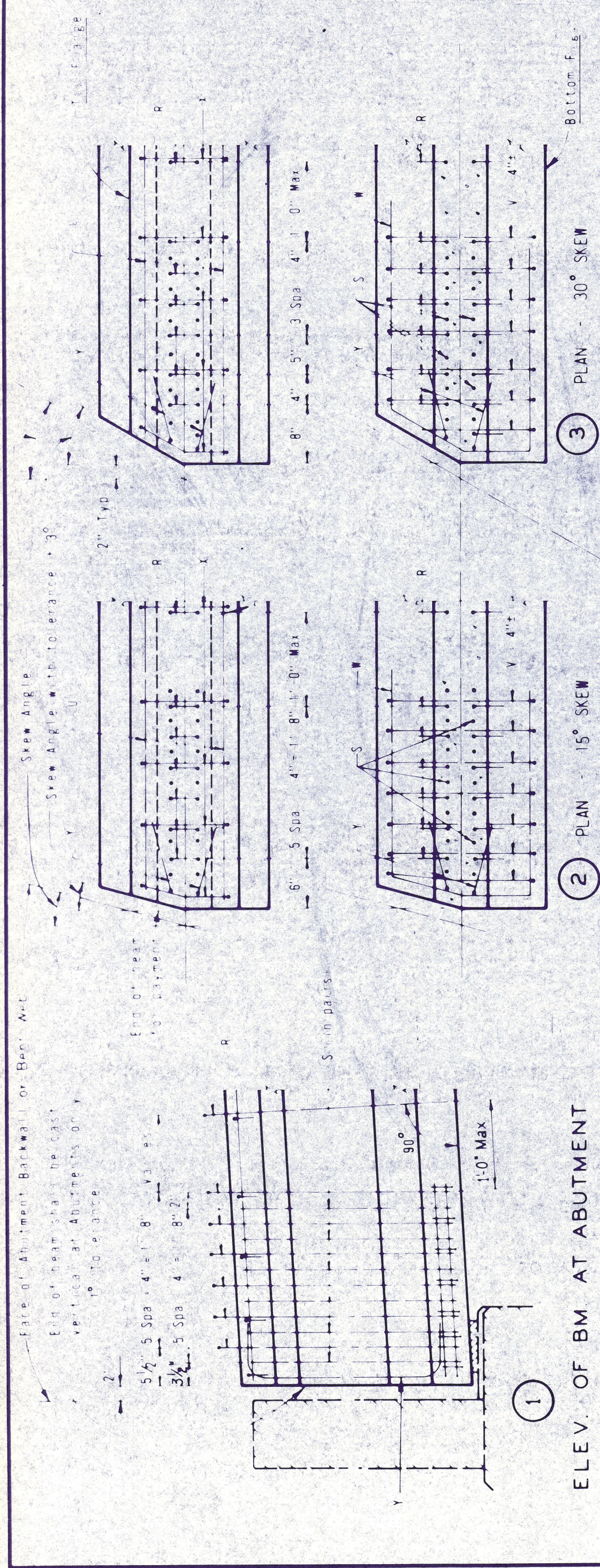
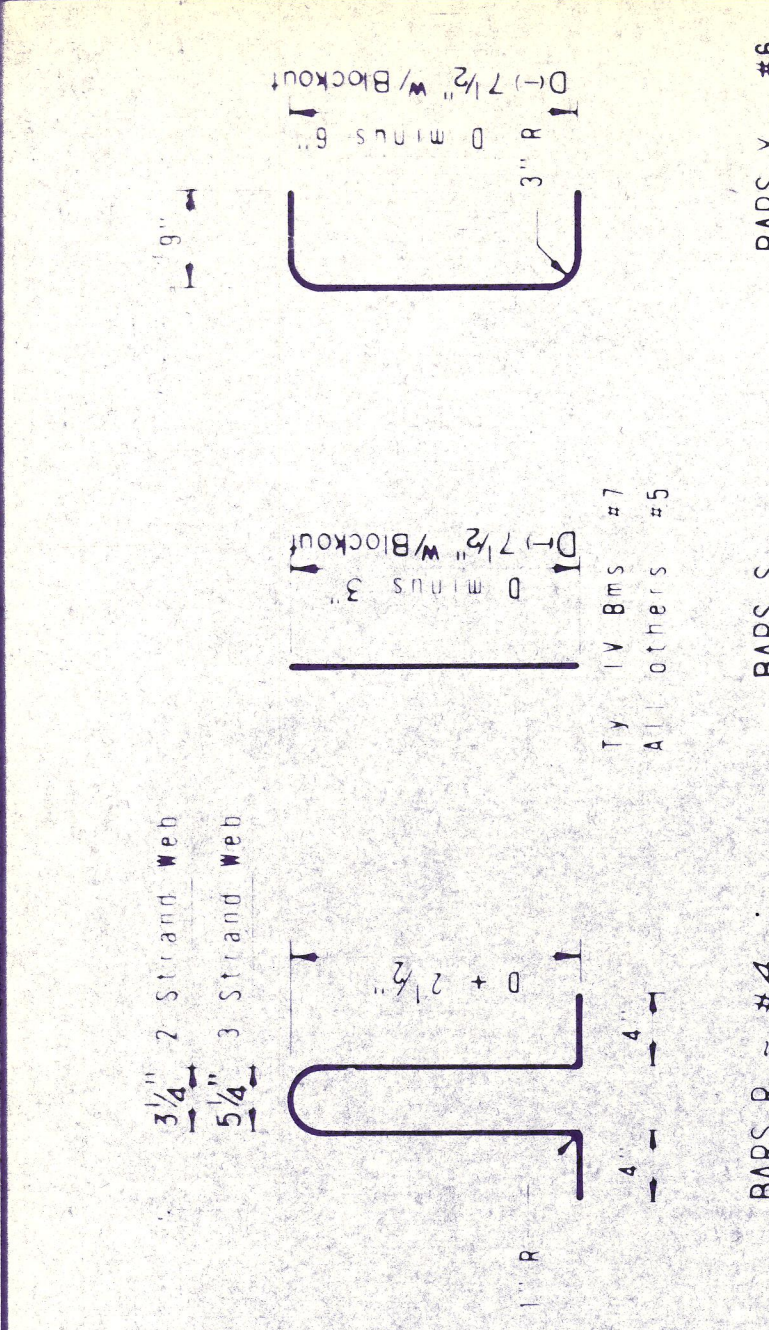
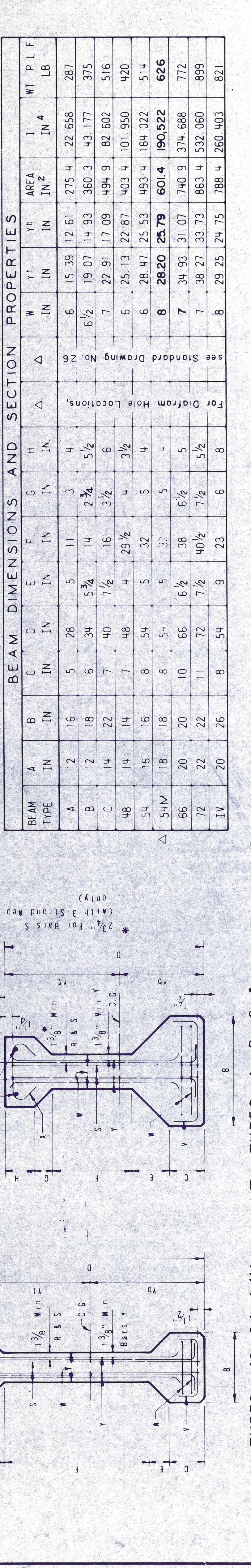


| ADDITIONAL BARS R       |   | BRIDGE |    | SPAN                     |                   | M  |    | N                         |               | SPAN |    | M                        |                         | N |    |    |
|-------------------------|---|--------|----|--------------------------|-------------------|----|----|---------------------------|---------------|------|----|--------------------------|-------------------------|---|----|----|
| VERDE VALLEY LANE       | 1 | 3      | 14 | 40                       | VERDE VALLEY LANE | 2  | 12 | 33                        | BELTLINE ROAD | 1    | 21 | 54                       | ARAPAH0 ROAD (BMS. I-4) | 1 | 14 | 28 |
| ARAPAH0 ROAD (BMS. 5-7) | 1 | 10     | 31 | ARAPAH0 ROAD (BMS. 8-13) | 1                 | 11 | 33 | ARAPAH0 ROAD (BMS. 14-16) | 1             | 12   | 35 | ARAPAH0 ROAD (BMS. 1-16) | 2                       | 9 | 27 |    |



| BEAM TYPE | BEAM DIMENSIONS AND SECTION PROPERTIES |    |    |    |       |        |       |       |       |       |       |       | I       | WT  | PLF |
|-----------|--|----|----|----|-------|--------|-------|-------|-------|-------|-------|-------|---------|-----|-----|
|           | A                                      | B  | C  | D  | E     | F      | G     | H     | Δ     | Δ     | Y1    | Y2    |         |     |     |
| A         | 12                                     | 16 | 5  | 28 | 5     | 11     | 3     | 4     | 6     | 15.39 | 12.61 | 275.4 | 22.658  | 287 |     |
| B         | 12                                     | 18 | 6  | 34 | 5 3/4 | 14     | 2 3/4 | 5 1/2 | 6 1/2 | 19.07 | 14.93 | 360.3 | 43.177  | 375 |     |
| C         | 14                                     | 22 | 7  | 40 | 7 1/2 | 16     | 3 1/2 | 6     | 7     | 22.91 | 17.09 | 494.9 | 82.602  | 516 |     |
| 48        | 14                                     | 14 | 7  | 48 | 4     | 29 1/2 | 4     | 3 1/2 | 6     | 25.13 | 22.87 | 403.4 | 101.950 | 420 |     |
| 54        | 16                                     | 16 | 8  | 54 | 5     | 32     | 5     | 4     | 6     | 28.47 | 25.53 | 493.4 | 164.022 | 514 |     |
| 54M       | 18                                     | 18 | 8  | 54 | 5     | 32     | 5     | 4     | 8     | 28.20 | 25.79 | 601.4 | 190.522 | 626 |     |
| 66        | 20                                     | 20 | 10 | 66 | 6 1/2 | 38     | 6 1/2 | 5     | 7     | 34.93 | 31.07 | 740.9 | 374.688 | 772 |     |
| 72        | 22                                     | 22 | 11 | 72 | 7 1/2 | 40 1/2 | 7 1/2 | 5 1/2 | 7     | 38.27 | 33.73 | 863.4 | 532.060 | 899 |     |
| IV        | 20                                     | 26 | 8  | 54 | 9     | 23     | 6     | 8     | 8     | 29.25 | 24.75 | 788.4 | 260.403 | 821 |     |



| NO. | REVISION          | BY  | DATE  |
|-----|-------------------|-----|-------|
| 1   | General Revisions | TGB | 10-83 |

TEXAS STATE DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION  
 STANDARD DRAWING Gp 4  
 Rev. 4-82

REPRODUCED FROM

TEXAS TURNPIKE AUTHORITY  
 DALLAS NORTH TOLLWAY  
 PRESTRESSED CONCRETE BEAMS  
 BEAM DETAILS

HNTB  
 HOWARD NEEDLES TAMMEN & BERENSON

DRAWN: THD DATE: 4-82 DESIGNED: THD DATE: 4-82  
 CHECKED: GDH DATE: 3-76-83 SCALE: NONE

STANDARD DRAWING NO. 23  
 CONTRACT NO. DNT-115