36W" PRESTRESSED GIRDER DESIGN DATA

LABEL THE SPAN IT IS USED IN.
APPLIES TO THE DESIGNED STRUCTURE AND BOX AROUND EACH STRAND PATTERN THAT
APPLIES TO THE DESIGNED STRUCTURE AND LABEL THE SPAN IT IS USED IN.

DESIGNER NOTES
ON THE STRAND PATTERN SHEET, PLACE A
BOX AROUND EACH STRAND PATTERN THAT
APPLIES TO THE DESIGNED STRUCTURE AND LABEL THE SPAN IT IS USED IN.

STANDARD 1912

PRE-TENSION

\[ f_t = 0.75 \times 270,000 \times \frac{A}{f_y} \]

for low relaxation strands

\[ f_t = 0.75 \times 270,000 \times \frac{A}{f_y} \]

\[ S = -6,002 \text{ in}^2 \]
\[ A = 632 \text{ sq. in.} \]
\[ B = 19.37 \text{ in.} \]
\[ \frac{30}{36} \text{ in.} \]

STANDARD STRAND PATTERNS FOR UNDRAPED STRANDS

<table>
<thead>
<tr>
<th>NO. STRANDS</th>
<th>( y/\text{in.} )</th>
<th>( S, \text{in}^2 )</th>
<th>( f_t, \text{kips} )</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>-12.13</td>
<td>703</td>
<td>2,704</td>
</tr>
<tr>
<td>18</td>
<td>-11.74</td>
<td>791</td>
<td>2,796</td>
</tr>
<tr>
<td>20</td>
<td>-11.03</td>
<td>879</td>
<td>3,003</td>
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</tbody>
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STANDARD STRAND PATTERNS FOR DRAPED STRANDS

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STANDARD ARRANGEMENTS TO RAISE CENTER OF GRAVITY TO AVOID DRAPE OF 0.6" DIA. STRANDS

ARRANGEMENT AT 6 SPAN - FOR GIRDERS WITH DRAPED 0.6" DIA. STRANDS

ARRANGEMENT AT 6 SPAN - FOR GIRDERS WITH DRAPED 0.6" DIA. STRANDS

STANDARD ARRANGEMENTS TO RAISE CENTER OF GRAVITY TO AVOID DRAPE OF 0.6" DIA. STRANDS

ARRANGEMENT AT 6 SPAN - FOR GIRDERS WITH DRAPED 0.6" DIA. STRANDS