PLAN AND ELEVATION

PRESTRESSED CONCRETE PCEF REINFORCEMENT

<table>
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<td>6&quot;</td>
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<tr>
<td>B</td>
<td>1</td>
<td>2</td>
<td>2</td>
<td>1/2&quot;</td>
<td>3&quot;</td>
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<tr>
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<td>1</td>
<td>3</td>
<td>2</td>
<td>3/4&quot;</td>
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<tr>
<td>D</td>
<td>1</td>
<td>4</td>
<td>2</td>
<td>1&quot;</td>
<td>1&quot;</td>
</tr>
<tr>
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<td>5</td>
<td>2</td>
<td>1-1/2&quot;</td>
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</tbody>
</table>

TOTAL: 42 BARS PER BEAM

اقل ضغط في المنهاج

LEGEND

- denotes straight strands
- denotes draped strands
- denotes strands

NOTES

THE PRESTRESSING STRANDS SHALL BE G3 1/8"-with low relaxation strands with a guaranteed initial stress of 27 kips.

HEAVY DUTY CONCRETE CONFINEMENT: STEEL DIAPHRAGM SPACING AS SHOWN.

THE ISOLATED BEAM LENGTHS WILL BE 20 FEET AS SHOWN.

THE ALLOWABLE TENSION OF THE PRESTRESSED CONCRETE UNITS: AT SERVICE LIMIT STATE = 22 ksi.

AT TRANSFER = 22 ksi.

THE TYPICAL PEOCIF REINFORCEMENT SHOWN FOR CLARITY.

REQUIRED MINIMUM CONCRETE STRENGTH AT 56 DAYS = 10 ksi.

REQUIRED MINIMUM CONCRETE STRENGTH AT TRANSFER = 7 ksi.

THE ALLOWABLE TENSION IN THE PRESTRESSED CONCRETE UNITS:

AT SERVICE LIMIT STATE = 22 ksi.

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