### Designed Beams (Straight Strands)

<table>
<thead>
<tr>
<th>Structure</th>
<th>Span No.</th>
<th>Span Type</th>
<th>No. of Strands</th>
<th>No. of Strands Proposed to</th>
<th>Description</th>
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| Non-Standard Strand Patterns |

<table>
<thead>
<tr>
<th>Pattern</th>
<th>Number of Strands (cm)</th>
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</thead>
<tbody>
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</tbody>
</table>

### Optional Design

- **GENERAL NOTES**
  - Designed according to ASHRAE/ULF Specifications.
  - See Harris County Specifications for Design.
  - All optional design systems shall be inspected, sealed, and approved by the Harris County Design Engineer.
  - The design shall be in accordance with the Texas Engineering Practice Act.

- **STRANDS**
  - Strands shall be any one of the following:
    - 2 in. (50 mm)
    - 3 in. (75 mm)
  - Strands shall be placed in rows as follows:
    1. Locate strands at each joint position.
    2. Place strands symmetrically about the vertical center.
    3. Additional strands may be placed as follows:
      - Along the entire slab.
  - Strands in this position shall not be deducted.
  - Delivered strands shall be delivered slightly above the vertical centerline. Strands shall decrease gradually with deltinging in a 1 in. (25 mm) per foot manner. Strands shall be secured in place with pipe bands along midspan length, and ends of taking shall be sealed with expansion cuts. Snap clips shall be used across the span of the taking if the slab is sufficiently sized with expansion cuts to permit clips to be used. november 10, 1978

- **Designs shall be based on the Texas Engineering Practice Act:**
  - Design shall not be based on the Texas Engineering Practice Act.
  - Design shall be based on the Texas Engineering Practice Act.

### Diagrams

- **T405 45812 Slab Beam**
- **T405 55812 Slab Beam**
- **T405 45815 Slab Beam**
- **T405 55815 Slab Beam**