

### STRAND LOCATION

#### MIDSPAN

NOT TO SCALE

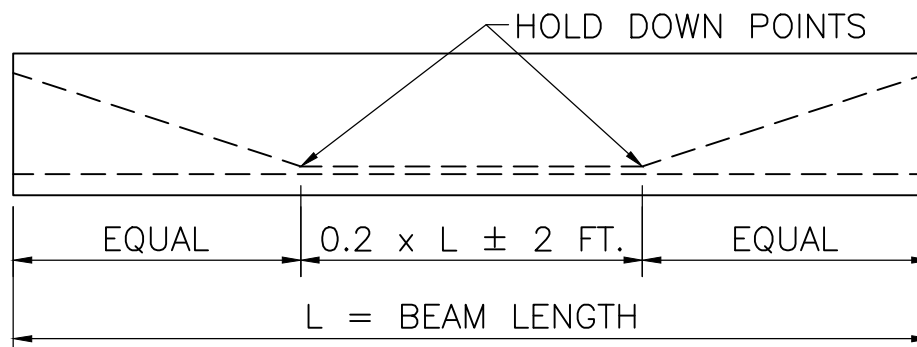
### STRAND LOCATION

#### END OF BEAM

NOT TO SCALE

#### NOTES:

1. + Denotes straight strands.
2. ◊ Denotes draped strands. The total hold down force of all draped strands for each beam should not exceed 75% of the total beam weight.
3. ⊕ Denotes debonded strands (none shown above). Where debonded strands are used, no more than 25% of the total number of strands and no more than 40% of the strands in each row shall be debonded. In addition, no more than 40% of the debonded strands, or four (4) strands, whichever is greater, shall have the debonding terminated at any one section. The spacing between debonded strands in a layer shall be 4" minimum. Exterior strands in each layer shall be fully bonded. In general, the length of debonded strand from each end of the beam should be limited to approximately 15% of the span length.
4. The number and location of the strands shall be as required by design.
5. The Designer shall provide the midspan and end of beam strand pattern on the Construction Drawings.



### HOLD DOWN POINTS FOR DRAPED STRANDS

NOT TO SCALE



LRFD BRIDGE  
MANUAL, PART II

## STRAND LOCATIONS AND HOLD DOWN DETAILS

PRECAST CONCRETE NEBT BEAMS

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