

REVISED	12-07	-	OPEN RAIL REINFORCING QUANTITY CHANGED
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The diagram illustrates the dimensions for bent bars at different angles. It includes four sub-diagrams labeled 8h2, 5p1, 6e3, and 5h1, each showing a bent bar with its dimensions and the angle of the bend.

- 8h2:** A bent bar with a 90-degree bend. The dimensions are: 5'-10 1/2" for the curved section, 2'-6 1/2" for the straight section, and 5'-3" for the total length.
- 5p1:** A bent bar with a 90-degree bend. The dimensions are: 1'-0" for the curved section, D=2 1/2" for the pin diameter, and 3'-11" for the total length.
- 6e3:** A bent bar with a 90-degree bend. The dimensions are: 2'-6" for the curved section, 2'-7" for the straight section, 2'-10 3/4" for the total length, and D=4 1/2" for the pin diameter.
- 5h1:** A bent bar with a 90-degree bend. The dimensions are: 6" for the curved section, D=2 1/2" for the pin diameter, and 2'-8" for the total length.

The diagram also shows the dimensions for bent bars at various angles (0°, 15°, 30°, 45°) for two different bar types, 8e1 and 8e2. The dimensions are given in feet and inches, and the angle of the bend is indicated.

Bar Type	Angle	Dimensions (ft-in)
8e1	0°	26'-11"
	15°	27'-9"
	30°	30'-4"
	45°	36'-1"
8e2	0°	21'-11"
	15°	22'-8"
	30°	25'-4"
	45°	31'-0"

NOTE: ALL DIMENSIONS ARE OUT TO OUT. D = PIN DIAMETER.

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- 8h2:** A bent bar with a 90-degree bend. The dimensions are: 5'-10 1/2" for the curved section, 2'-6 1/2" for the straight section, and 5'-3" for the total length.
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The diagram also shows the dimensions for bent bars at various angles (0°, 15°, 30°, 45°) for two different cases, 8e1 and 8e2.

8e1: A bent bar with a 90-degree bend. The dimensions are: 26'-11" for the curved section, 27'-9" for the straight section, 30'-4" for the total length, and 36'-1" for the total length. The angle is 0° SKEW.

8e2: A bent bar with a 90-degree bend. The dimensions are: 21'-11" for the curved section, 22'-8" for the straight section, 25'-4" for the total length, and 31'-0" for the total length. The angle is 0° SKEW.

NOTE: ALL DIMENSIONS ARE OUT TO OUT. D = PIN DIAMETER.

NOTES:

ALL REINFORCING STEEL SHALL BE EPOXY COATED.

THE TRANSVERSE REBARS ARE DETAILED WITH A SPLICE LAP. AT THE CONTRACTOR'S OPTION, THIS LAP MAY BE ELIMINATED BY FURNISHING FULL LENGTH BARS WITH NO REDUCTION IN PAY WEIGHT FOR SAME.

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 **Iowa Department of Transportation**
Highway Division

STANDARD DESIGN - 44' ROADWAY, 3 SPAN BRIDGES
**CONTINUOUS CONCRETE
SLAB BRIDGES**
NOVEMBER, 2006

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SUPERSTRUCTURE DETAILS 110'-0" BRIDGE	J44-11-06
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		STANDARD DESIGN - 44' ROADWAY, 3 SPAN BRIDGES CONTINUOUS CONCRETE SLAB BRIDGES NOVEMBER, 2006	
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