Furnish units as required for specified cattle guard widths.

Rails (typ.)

W 8 x 18 16”

4 - W 8 x 18 at 20° for 6’-0” units

5 - W 8 x 18 at 21° for 8’-0” units

SectIon A-A

83 Bars as shown
B5 Bars as shown (typ.)

7” x 5” x ⅜” elastomeric bearing pad under W 8 x 18, bond pad to conc. (typ.)

SectIon D-D

BAR BENDING DETAIL

3/8” dia. x 20” bolt w/ nut & washer (typ.)

ELEVATION

KEY DETAIL

NOTES:

1. See Detail ET 619-1 for reinforcing steel size and grade.
2. See Details ET 619-1 and -2 for cattle guard wing details. Fabricate end units to accommodate selected cattle guard wing.
3. Minimum soil bearing 4,000 lbs/ft². Place units in fine aggregate bed 3 inch thick over hand leveled soil compacted to not less than 95% density.
4. Chamfer exposed concrete edges ¼” unless otherwise shown. Give all concrete surfaces a Class 1 finish.
5. Approved alternate designs may be used.