

CANTILEVER ROOF CURB CALCULATIONS OVER MINIMUM OF TWO BAR JOISTS

ROOF CURB DIMENSIONS: 80" X 156" WEIGHT: 2650#

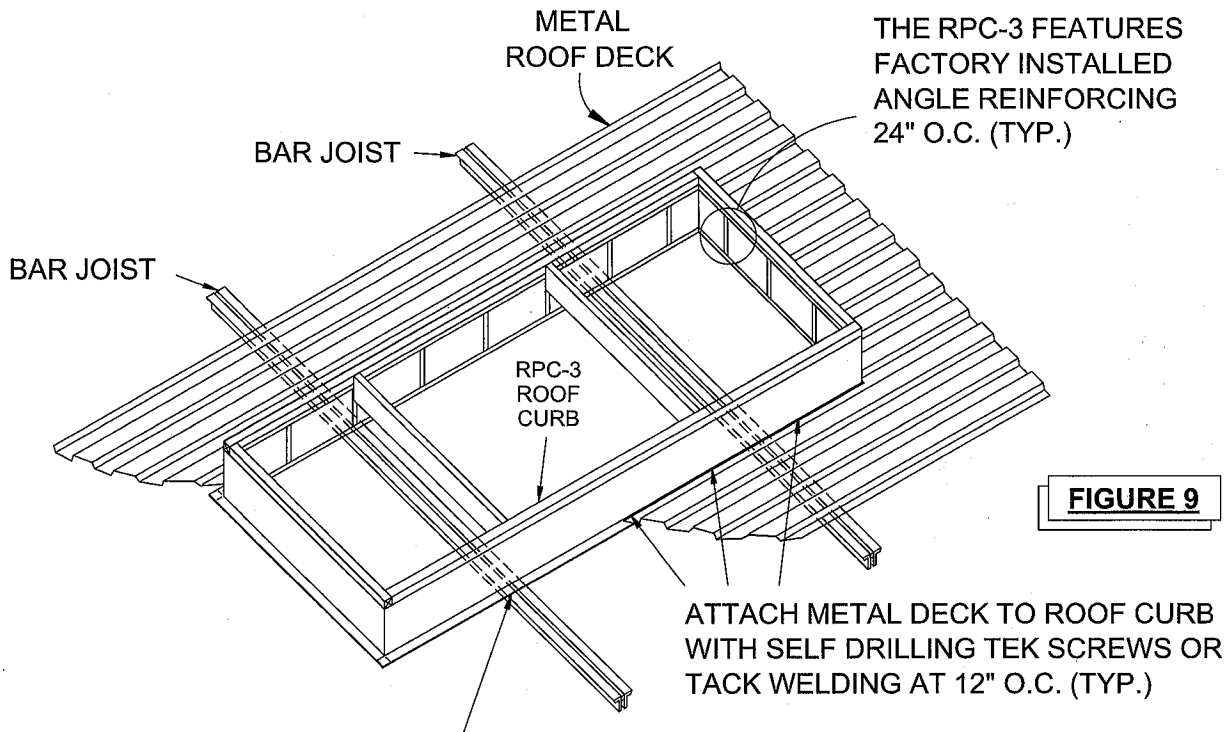
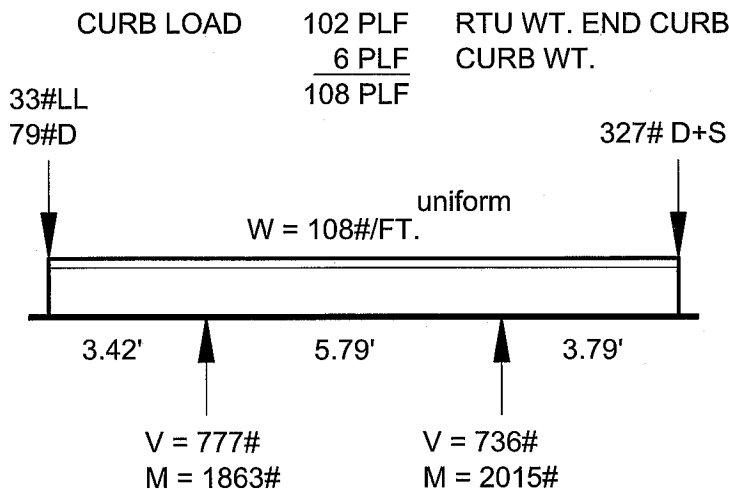


FIGURE 9

PUDDLE WELD CURB TO BAR JOISTS
METAL DECK TO BE INSTALLED OVER CURB FLANGE

$$\frac{40.5'}{7} = 5' 9\frac{1}{2}"$$



$$1(10) = 10$$

$$1(28) = 28$$

$$38 \text{ PLF}$$

$$R = \frac{38(6.67)}{2} = 126.7\#$$

$$P_C = 200\#$$

$$P_{TOT} = 327\#$$

$$M_A = 8258\#$$

$$V_A = 2753\#$$

$$\left(\frac{2015}{8258}\right)^2 + \left(\frac{736}{2753}\right)^2 = .06 + .07 = .13 < 1.0 \text{ OK}$$

$$\text{OR } \left(\frac{2015}{9508}\right)^2 + \left(\frac{736}{2753}\right)^2 = .04 + .07 = .11 < 1.0 \text{ OK}$$

STITCH WELD BASE P_L

