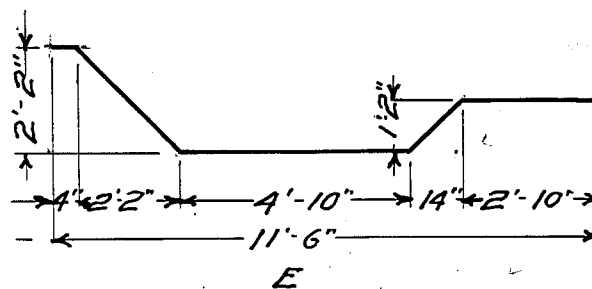
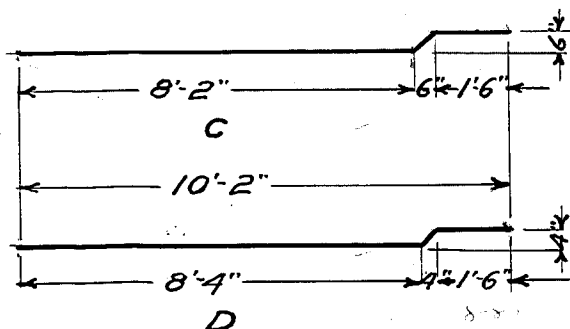
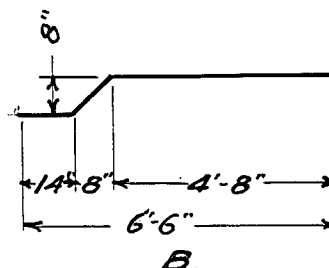
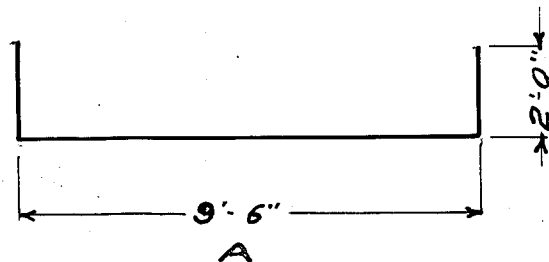


CITY OF HARTFORD, CONN.
DEPARTMENT OF ENGINEERING.

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CULVERT IN OLIVER ST. - STEEL.



Approximate steel required.

0 3/8" square twisted rods. 607 lineal feet, ten bars bent on the job as required.

1/2" square twisted or equivalent.

1 31 pieces, 13'-6" long, bent as in diagram A above.
2 62 pieces, 6'-9" " " " " B " "
3 8 " 9'-3" " straight.
4 20 " 12'-10" " bent as in diagram E above.
5 24 " 20'-0" " straight.

5/8" square twisted or equivalent.

6 39 pieces, 10'-4 1/2" long, bent as in diagram C above.
7 34 " 10'-3 1/2" " " " " D " "

Approximate total weight of the above steel = 2700 pounds.

✓ For invert 104' of "O", and items 1.
For side walls - 203' of "O" and items 2 & 3.
For top slab 295' of "O" and items 6 & 7.
For wing walls items 4 & 5.

July 16, 1919.

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