REINFORCING STEEL QUANTITY INCLUDES STEM AND FOOTING QUANTITIES, BUT DOES NOT INCLUDE TOE WALL QUANTITIES.

EXAMPLE:

SELECT THE #6 BARS SIZES USING SHAPED STEEL QUANTITY FOR A 250 FEET LONG RIDGEAL, H7M = 2.12 FT, AND k = 6.3 FT.

**SOLUTION:**

1. DETERMINE MEDIUM LENGTH IN MULTIPLE OF 5\( \text{FT} \):
   \[ m = \frac{250}{20} = 12.5 \]
   \[ m = 13 \text{ FT} \]

2. DETERMINE STEEL QUANTITY OF WINGWALL REINFORCING STEEL QUANTITY = 250 \( \text{FT} \) \( \times \) 60.60 LB / LF = 15,150 LBS.

3. DETERMINE #6 @ 10" STEEL = 60.60 LB / LF.

LIMITS OF CONCRETE SEALER AND WINGWALL DRAIN DETAILS

- GEOMEMBRANE: SHALL BE INCLUDED IN THE WORK.
- CONCRETE SEALER: SHALL BE APPLIED ON THE CORE AND WALL.

NOTES:

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- CONCRETE SEALER: SHALL BE APPLIED ON THE CORE AND WALL.