**TABLE OF OFFSETS (IN METERS)**

<table>
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<th>H</th>
<th>OFF</th>
<th>H</th>
<th>OFF</th>
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<td>0.016</td>
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</table>

**GENERAL NOTES**

1. USE COATED REINFORCING STEEL CONFORMING TO AASHTO M 310 GRADE 400.
2. DESIGN H MAY BE EXCEEDED BY 150 MM BEFORE GOING TO THE NEXT SIZE.
3. ALL DIMENSIONS SHOWN ARE IN METERS UNLESS SPECIFIED OTHERWISE.

**DESIGN DATA**

CAST-IN-PLACE CONCRETE: f'_c = 10 MPa, f'_s (reinf.) = 15 MPa in.3/ft.2

EARTH: UNIT DENSITY = 1920 kg/m³

IN CASE OF SLOPING GROUND CONDITIONS ABOVE THE TOP OF WALL, EARTH PRESSURE SHALL BE DETERMINED FROM THE RANKINE EQUATION FOR LATERAL EARTH PRESSURE WITH φ = 35° 42'.

610 mm SUBCHARGE: EQUIVALENT FLUID PRESSURE = 5.6 kN/m² MAX. FOR DETERMINATION OF THE PRESSURE.

**WATERSTOP NOTES**

1. WATERSTOP TO HAVE FIVE OR MORE PAIRS OF RAISED RIBS TO PROVIDE 65 mm MIN. RIB CROSS-SECTIONAL AREA ON EACH HALF OF THE WATERSTOP. HEIGHT OF RIBS TO BE 2 MM MIN.

2. HOLES WILL BE PERMITTED IN THE OUTER 15 mm OF THE WEB FOR WIRE, RINGS, ETC. THE WEB TO WATERSTOP IN PROPER POSITION DURING CONCRETE PLACEMENT; ALTERNATIVE DETAIL MAY BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

**WATERSTOP DETAIL**

**PARTIAL ELEVATION**

WEED HOLE DETAIL

WEED HOLE DETAIL

**FOOTING STEP DETAILS**

PLACE JOUTS AT 30.500 m MAX. SPACING

**ELEVATION**

330 mm H = 200 m to 6,600 m
330 mm H = 200 m to 7,600 m

PLACE CONCRETE IN THE AGAINST UNDERSIZED MATERIAL.
75 mm Holes = 4,000 mm Max. Center to Center. Alternate with Weep Holes.

**WEED STOP DETAIL**

19 mm CHAMFER (TYP.)