

**GRAVITY HAMMER**

'WAVE EQUATION'

PROJECT NO: \_\_\_\_\_ DESIGN NO: \_\_\_\_\_  
 COUNTY: \_\_\_\_\_ DATE REPORTED: \_\_\_\_\_  
 CONTRACTOR: \_\_\_\_\_

Type of Piling	Plan Pile Length	Design Bearing	Graph No. For Official Use
1) _____	_____ m	_____ kN	_____
2) _____	_____ m	_____ kN	_____
3) _____	_____ m	_____ kN	_____

Ram  
 IDOT Id. No: \_\_\_\_\_  
 Mass: \_\_\_\_\_ kg

Cap  
 IDOT Id. No: \_\_\_\_\_  
 Mass: \_\_\_\_\_ kg  
(include insert)

Hammer Cushion (#1)  
 (Between Ram & Cap)  
 Surface Area: \_\_\_\_\_ sq. mm  
 Thickness: \_\_\_\_\_ mm  
 Composition: \_\_\_\_\_

Pile Cushion (#2)  
 (Between Cap & Pile - if applicable)  
 Surface Area: \_\_\_\_\_ sq. mm  
 Thickness: \_\_\_\_\_ mm  
 Composition: \_\_\_\_\_

IF DIMENSIONAL LUMBER IS USED FOR CUSHION INDICATE WOOD GRAIN ORIENTATION (HORIZONTAL or VERTICAL)

Dimensions:  
(Refer to sketch )

L: \_\_\_\_\_ mm  
 W: \_\_\_\_\_ mm  
 T: \_\_\_\_\_ mm

1 pound = 0.4536 kilograms (kg)  
 1 ton = 8.9 kilonewtons (kN)  
 1 ft-kip = 1.35 kilojoules (kJ)  
 1 ft = 0.3048 meters (m)  
 1 inch = 25.40 millimeters (mm)



