Pile Driving Data Sheet

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) _____	_____ ft.	_____ ton	_____
2) _____	_____ ft.	_____ ton	_____
3) _____	_____ ft.	_____ ton	_____

Ram

IDOT Id. No: _____

Weight: _____ lbs.

Cap

IDOT Id. No: _____

Weight: _____ lbs.
(include insert)

Hammer Cushion (#1)
(Between Ram & Cap)

Surface Area: _____

Thickness: _____

Composition: _____

_____

Pile Cushion (#2)
(Between Cap & Pile - if applicable)

Surface Area: _____

Thickness: _____

Composition: _____

_____

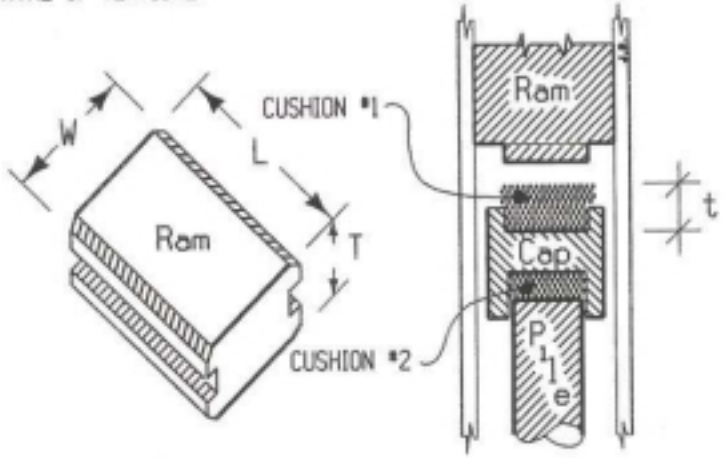
IF DIMENSIONAL LUMBER IS USED FOR CUSHION INDICATE WOOD GRAIN ORIENTATION (HORIZONTAL or VERTICAL)

Dimensions:
(Refer to sketch)

L: _____

W: _____

T: _____



Pile Driving Data Sheet

POWER 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) _____	_____ ft.	_____ ton	_____
2) _____	_____ ft.	_____ ton	_____
3) _____	_____ ft.	_____ ton	_____

Manufacturer & Model No: _____

Unit Serial No: _____ Fuel Setting: _____

Hammer Type: _____ Blows per Min: _____ (Range)

Hammer Energy: _____ ft-Kips Ram Rise: _____ (Range)

Weight of RAM: _____ lbs. Weight of ANVIL: _____ lbs.

Weight of CAP: _____ lbs. (include insert) IDOT Id. No. _____

CUSHION #1 (for Hammer)

Surface Area: _____

Thickness: _____

Composition: _____

CUSHION #2 (For Pile)

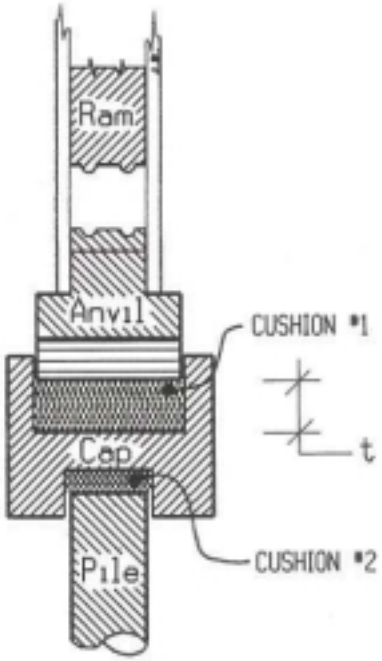
(Between Cap & Pile - if applicable)

Surface Area: _____

Thickness: _____

Composition: _____

If dimensional lumber is used for cushion indicate wood grain orientation (Horizontal / Vertical)



METRIC
Pile Driving
Data Sheet

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: _____

_____

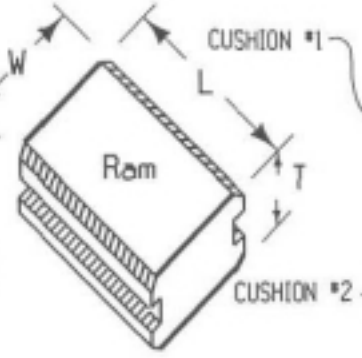
IF DIMENSIONAL LUMBER IS USED FOR CUSHION INDICATE WOOD GRAIN ORIENTATION (HORIZONTAL or VERTICAL)

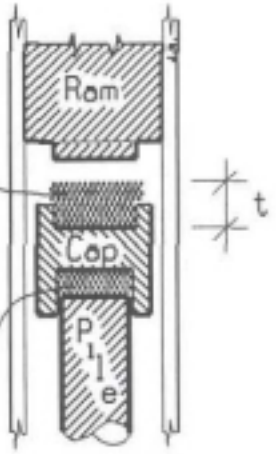
Dimensions:
(Refer to sketch)

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)

METRIC
Pile Driving
Data Sheet

POWER 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	_____

Manufacturer & Model No: _____

Unit Serial No: _____ Fuel Setting: _____

Hammer Type: _____ Blows per Min: _____ (Range)

Hammer Energy: _____ kJ Ram Rise: _____ (Range) m

Mass of RAM: _____ kg Mass of ANVIL: _____ kg

Mass of CAP: _____ kg (include insert) IDOT Id. No. _____

CUSHION #1 (for Hammer)

Surface Area: _____ sq. mm

Thickness: _____ mm

Composition: _____

CUSHION #2 (For Pile)

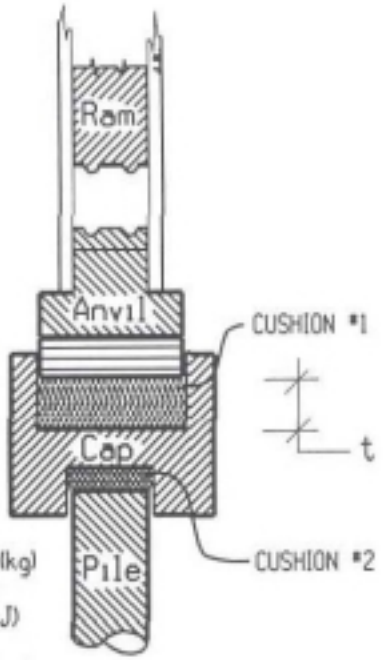
(Between Cap & Pile - if applicable)

Surface Area: _____ sq. mm

Thickness: _____ mm

Composition: _____

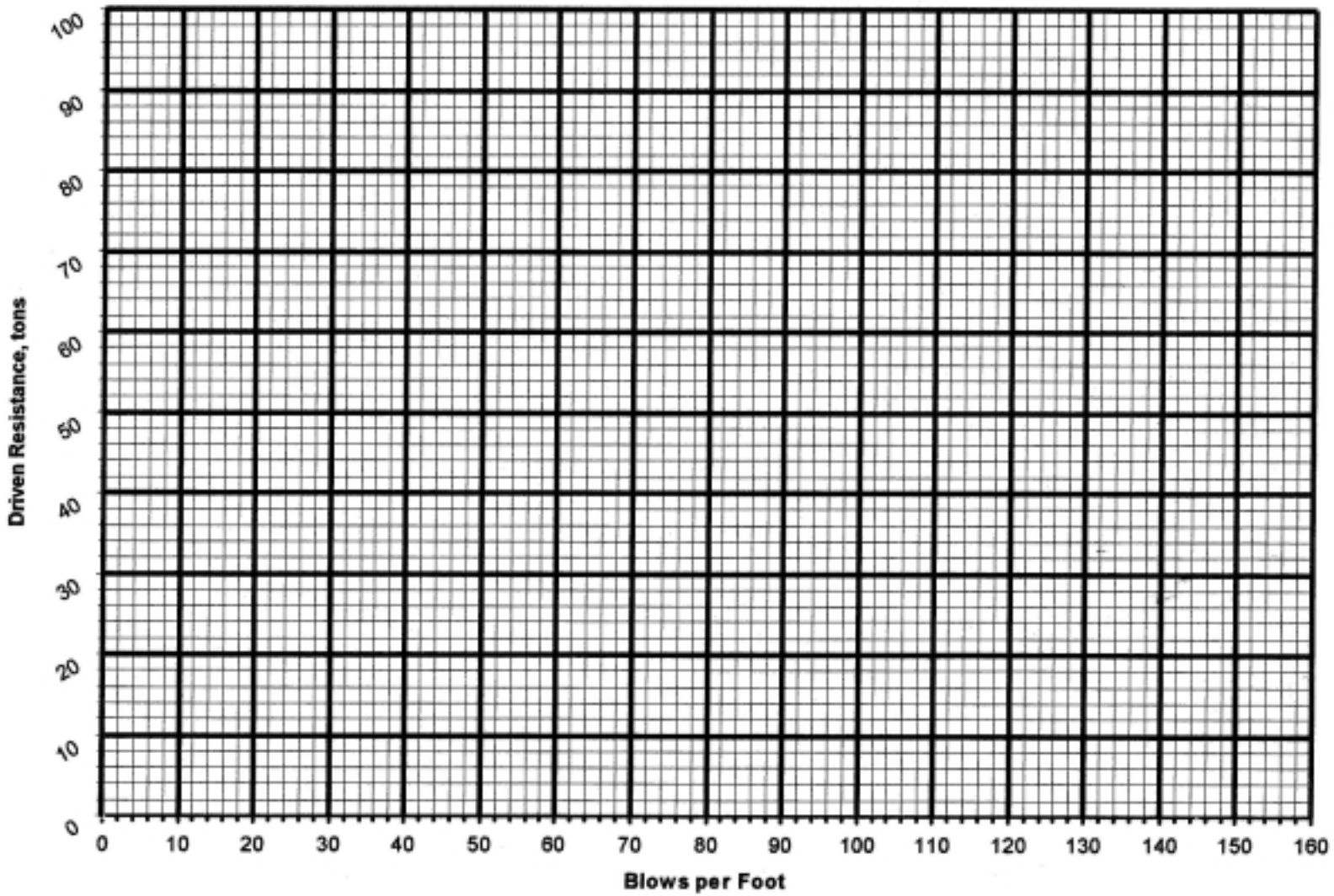
If dimensional lumber is used for cushion indicate wood grain orientation (Horizontal / Vertical)



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)

Special Driving Conditions	Stroke (ft)	**Monitor** at 10 Blow Increments	Do **NOT** Exceed	**Project No:**	**Graph No:**
				Design No:	**Hammer No:**
				County:	**Cap No:**
				Location:	**Pile Type:**
Blows per foot				**Hammer:**	**Pile Length:**

Drop



Special Driving Conditions	Stroke (meter)	**Monitor** at 10 Blow Increments	Do **NOT** Exceed	**Project No:**	**Graph No:**
				Design No:	**Hammer No:**
				County:	**Cap No:**
				Location:	**Pile Type:**
Blow Per Quarter Meter				**Hammer:**	**Pile Length:**

Drop