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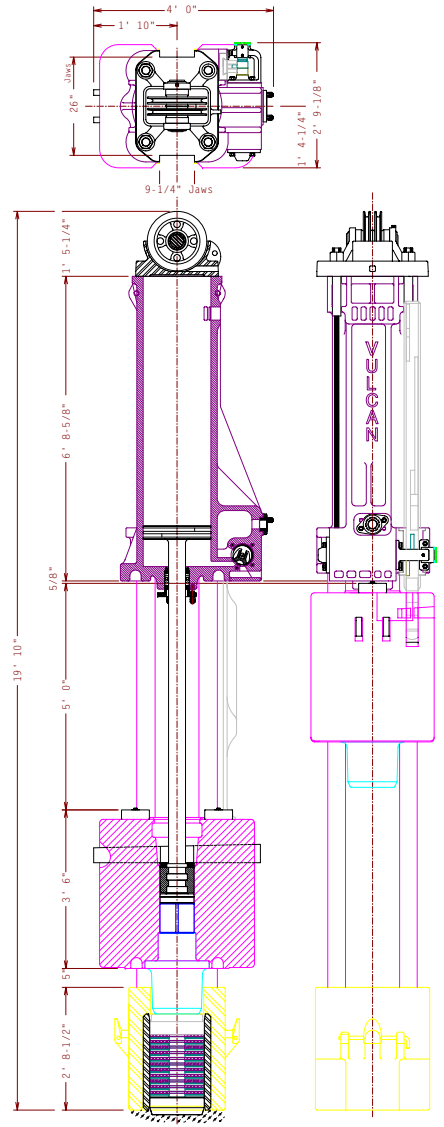
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Specifications (English Units)	
Operating Data	
Rated Striking Energy, ft-lbs	62,500
Blows per Minute, Normal Stroke, No Set	36
Normal Stroke, Inches	60
Rated Operating Pressure at Hammer, psi	75
Steam Consumption, lbs/hr	3,264
Required Boiler Horsepower	150
Air Consumption (Adiabatic), cfm	967
Required Air Compressor Size, cfm	1000

Dimensional Data	
Bore, inches	18
Net Area of Piston, sq. in.	238.6
Length of Hammer (overall), in.	238
Distance Across Female Jaws, in.	26
Width of Female Jaws, in.	9.25
Largest Outside Diameter of Pile, in.	24
Size of Hose, in.	2.5

Weight Data	
Weight of Striking Parts, lbs.	12,500
Net Weight of Hammer, lbs.	23,500

Specifications (SI Units)	
Operating Data	
Rated Striking Energy, kJ	84.7
Blows per Minute, Normal Stroke, No Set	36
Normal Stroke, mm	1524
Rated Operating Pressure at Hammer, kPa	517
Steam Consumption, kg/hr	1,481
Air Consumption (Adiabatic), m <sup>3</sup> /min	27.4
Required Air Compressor Size, m <sup>3</sup> /min	28.3

Dimensional Data	
Bore, mm	457
Net Area of Piston, cm <sup>2</sup>	1539.4
Length of Hammer (overall), m	6045
Distance Across Female Jaws, mm	660
Width of Female Jaws, mm	235
Largest Outside Diameter of Pile, mm	610
Size of Hose, mm	64

Mass Data	
Mass of Striking Parts, kg	5,670
Net Mass of Hammer, kg	10,659

Additional Assembly Drawings:  
 Ram Repair -- D-35041  
 Steam Chest Bushing Assembly -- C-35240  
 Sheave Assembly -- C-35242  
 Trip Shifting Assembly -- D-35363  
 Packing Gland Assembly -- A-35364

Rev.	Description	Date	By	App'vd.

Drawn: B. C. Warrington Date: 12-14-94  
 Checked: \_\_\_\_\_ Date: \_\_\_\_\_  
 Approved: \_\_\_\_\_ Date: \_\_\_\_\_

Material: \_\_\_\_\_  
 Part Number: 35370 Pattern Number: \_\_\_\_\_

Rough Weights: \_\_\_\_\_ Finished Weights: \_\_\_\_\_

Standard Tolerances: (Unless Otherwise Specified)  
 Surfaces: Square, parallel, concentric, & straight within 0.045 Full length of surface  
 Decimal Dimensions: Machined to +.005" or .1mm, 125 rms finish  
 Fractional Dimensions: No machining required, 500 rms finish  
 Sand Cast Surfaces: +.1/8" or 3mm  
 All others: +.1/64" or .4mm  
 Angles: Within +0 Deg. 30 min., Reference if otherwise dimensioned  
 Corners: Minimum Radius .0625" or 1.5mm, Standard 1/8" or 3mm  
 All sharp corners to be broken

**Vulcan Iron Works Inc.**

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**D-35370**

Name: 513 Hammer -- General Assembly Rev.: \_\_\_\_\_

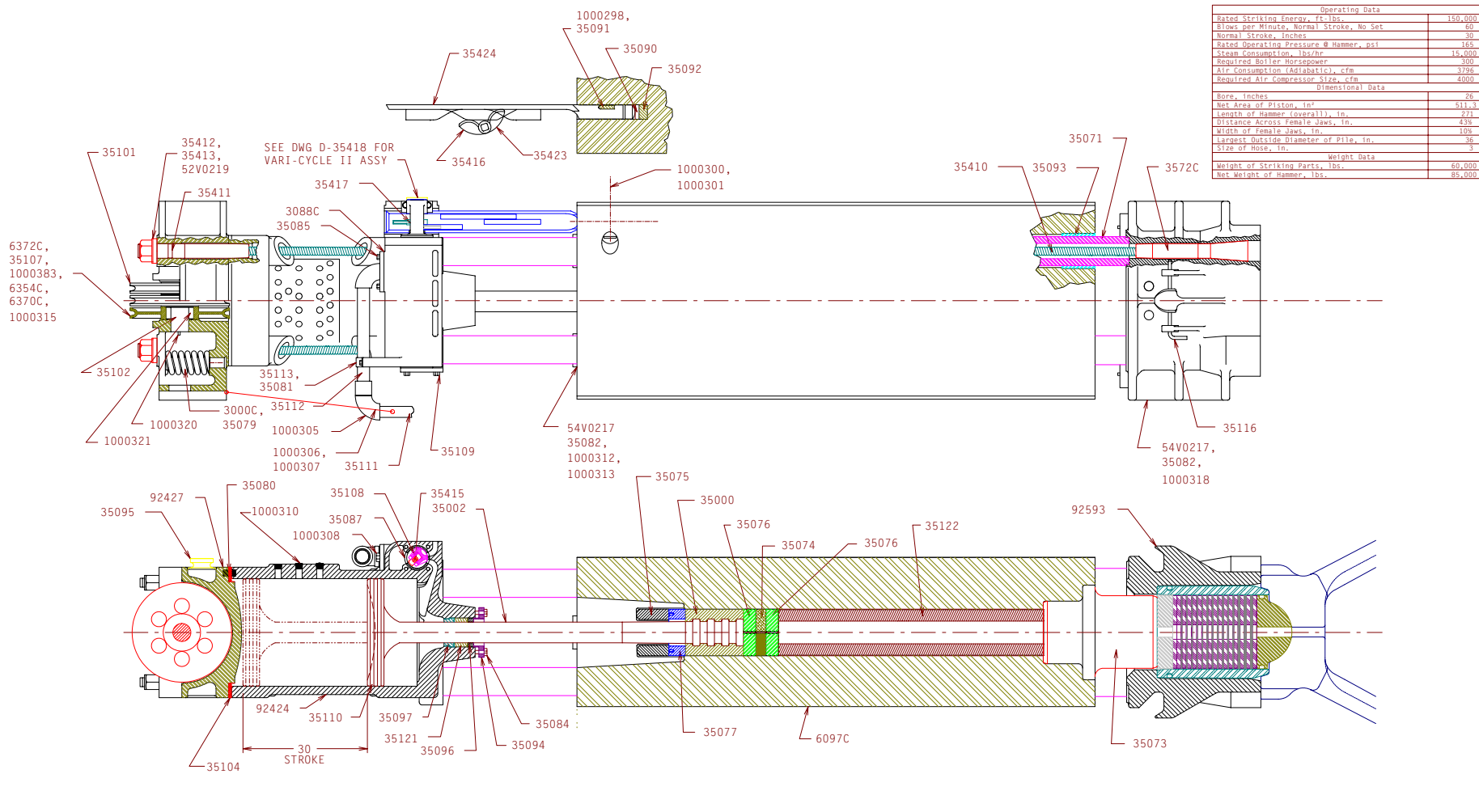








Rev.	Description	Date	By	App'vd.	Rev.	Description	Date	By	App'vd.	Rev.	Description	Date	By	App'vd.	Rev.	Description	Date	By	App'vd.	



P/N 6257C	Drawn	RLS/RDC	Date	7-20-95	NOTICE: This drawing discloses confidential ideas and information that are the property of VULCAN IRON WORKS INC., and a special confidential disclosure is made herein under an implied and continuing promise of good faith and secrecy that disclosure and use of the trade secrets shall not be made without the prior written authorization of VULCAN IRON WORKS INC., P.O. Box 6400, Chattanooga, TN, 37402.	Vulcan Iron Works Inc. Chattanooga, TN	Pattern #		Rough Wt.		D-35414V Name General Assembly 609 W/AUTOMATIC VARI-CYCLE II	Rev.	
	Chk'd						Material		Fin. Wt.				
	App'vd												