

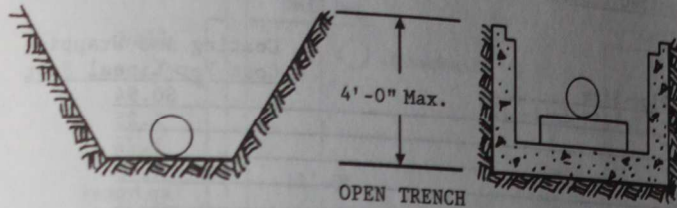
A-120 STEEL PIPING SYSTEMS

15-34

PAGE 1

THE FOLLOWING GIVES STANDARD UNIT PRICES FOR A-120 STEEL PIPING SYSTEMS INSTALLED BASED ON USING DOMESTIC GALVANIZED WELDED STEEL PIPE, CAST IRON AND MALLEABLE IRON FITTINGS, BRONZE AND IRON VALVES. WORK PERFORMED BY A MECHANICAL CONTRACTOR.

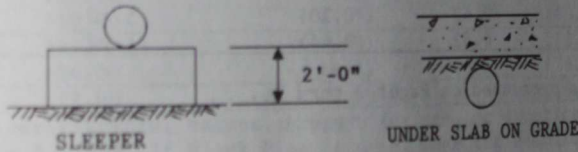
PIPE INSTALLED OUTSIDE A BUILDING



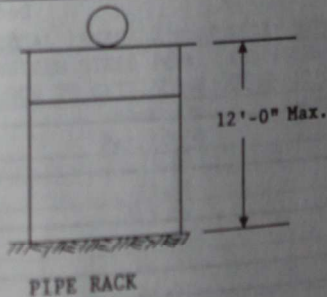
100'0" OF A-120 STANDARD WEIGHT THREADED AND COUPLED GALVANIZED STEEL PIPE IN 20'0" LENGTHS. INSTALLED AS SHOWN AND RUN TO A TERMINAL CONNECTION.

Pipe Size & Weight/Foot	Pipe Cost Per 100'0"	Manhours Per 100'0"	Labor Cost Per 100'0" @ \$27.10/Hour	Total Material & Labor Per 100'0"
1/2" - 0.85#	\$ 54.00	(2.4)	\$ 65.04	\$119.04
3/4" - 1.13#	71.00	(2.4)	65.04	136.04
1" - 1.68#	97.00	(2.4)	65.04	162.04
1-1/4" - 2.28#	126.00	(2.6)	70.46	196.46
1-1/2" - 2.73#	156.00	(2.8)	75.88	231.88
2" - 3.68#	210.00	(3.1)	84.01	294.01
2-1/2" - 5.82#	329.00	(3.5)	94.85	423.85
3" - 7.62#	424.00	(4.0)	108.40	532.40
4" - 10.89#	622.00	(4.8)	130.08	752.08

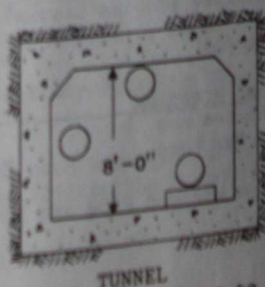
The above does not include fittings, valves, support devices, or erection joint cutting and threading which must be added, See Pages 5 and 6. For Pipe Coating and Wrapping, see Page 2. If Black Pipe is used, make the deductions shown on Page 2.



For pipe installed on Sleepers at grade and run to a terminal connection, deduct 15% from Manhours shown. For pipe installed under a Concrete Slab on grade, prior to concreting and run to a terminal connection, add 6% to Manhours shown.



For pipe installed on Pipe Racks to 12'0" above grade and run to a terminal connection, add 15% to Manhours shown.



For pipe installed in a completed Concrete Tunnel and run to a terminal connection, add 100% to Manhours shown. See Notes on Pages 5 and 6. (Continued on following page)

RICHARDSON ENGINEERING SERVICES, INC.

O'NEAL INC.