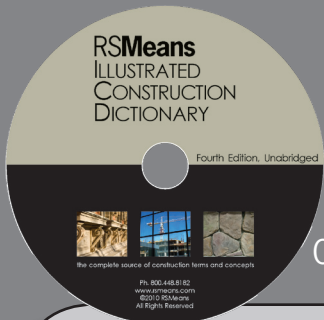


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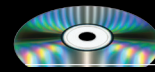
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Construction: Technical/Professional

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W Abbreviations

The abbreviations listed below are commonly used in the construction industry.

- w water, watt, weight, west, wicket, wide, width, wire, with, work
- W watt, west, western, width
- w/ with
- WA with average
- WAF wiring around frame
- WB welded base, water ballast, waybill
- WBT wet-bulb temperature
- WC water closet
- WCLIB West Coast Lumber Inspection Bureau
- wd wood, window
- Wdr widler
- WF wide flange, white fir
- wf waffle
- wg wing, wire gauge
- wh watt-hour
- WH water heater
- WHP water horsepower
- whr watt-hour
- whse, WHSE warehouse
- WI wrought iron
- WK week, work
- wm wainmeter
- WM wire mesh
- WM weight or measurement
- wfo water-in-oil, without
- WP waterproof, weatherproof, white phosphorus
- wpc warts per candle
- w proof waterproofing
- wrc western red cedar
- wrt wrought
- WS weather strip
- wsc/wains wainscoting
- wt, Wt weight
- WT water table, watertight
- ww white wash, white woods
- WWM welded wire mesh
- WWPA Western Wood Products Association

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Briggs standard See American standard pipe threads.

brine In a refrigeration system, a liquid used as a heat transfer agent that remains a liquid and has a flashpoint above 150°. The liquid is usually a salt solution.

Brinell hardness A measure of the hardness of a metal determined in the laboratory by measuring the indentation made by a steel ball in the surface of the metal.

brisance The crack pattern that forms milliseconds after detonation of explosive, but before blasted rock dislodgement.

British thermal unit (Btu) A standard measurement of the heat energy required to raise the temperature of one pound of water one degree Fahrenheit.

brittle A characteristic of a material that makes it fracture easily without bending or deforming.

broach **1.** To free stone block from a quarry ledge by cutting out the webbing between holes drilled close together in a row. **2.** To cut wide parallel grooves in a stone surface using the point of a chisel, finishing it for architectural use. **3.** Any pointed structure, such as a steeple or spire, that is built for ornamental purposes. **4.** A spire that rises directly from a tower, often without an intervening parapet. **5.** A half pyramid constructed above the corners of a square tower, serving as an architectural transition from the flat of the tower to an octagonal spire.

broached spire An octagonal spire set above a square tower, with braches braced against it at the four corners of the tower to effect a visually appealing transition.



broached spire

broaching **1.** A method of quarrying stone in which close holes are drilled around the breakline. A chisel, called a broach, is used to break the remaining material. The stone is then removed with wedges. **2.** A method of making shaped holes in metal by removing small pieces in succession with a reaming tool.

broad ax A broad-bladed ax used to rough dress timber.

broad knife (stripping knife) A square-edged knife with a blade shaped like a wedge, used chiefly for scraping off old paint or wallpaper.

broadloom A seamless carpet woven on a wide loom, usually 6' to 18' (1.8 to 5.5 meters) wide.

broadscope A term describing the content of a section of the Construction Specifications Institute. A broadscope section covers a wide variety of related materials and workmanship requirements. (Narrowscope specifications denote a section describing a single material; mediumscope denotes a section dealing with a family of materials.)

broad stone See ashlar (1).

broad tool A wide steel chisel used in the finish dressing of stone.

broad-tooled See battled work.

broken ran

brob A wedge-shaped spike that brace and secure the end of butting against the side of.

broken arch A segmented and largely as door or window e from which the center of t out and replaced with an o figure or design.

broken ashlar See random ve

broken-color work See antiq

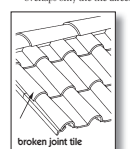
broken-flight stair See dogleg

broken joints Vertical joints o arranged in a staggered stru no unit placed directly on t another. Provides a more s and increases structural str



broken joints

broken joint tile A roofing tile that overlaps only the tile directly below it.



broken joint tile

broken rangework A form of stone masonry with horizontal courses of different heights, some of which are broken at intervals into multiple courses.

Metric Conversions and Equivalents

B

General Conversion Factors (continued)

Multiply	By	To Obtain
feet of water	304.8	kps. per sq. meter
feet of water	62.43	pounds per sq. ft.
feet of water	0.4255	pounds per sq. inch
feet per second	30.48	centimeters per second
feet per sec. per sec.	0.3048	meters per sec. per sec.
foot counts	1.2994(10 ³)	British thermal units
foot pounds	1.3558(10 ³)	ergs
foot pounds	5.5054(10 ³)	horsepower hours
foot pounds	1.356	joules
foot pounds	3.241(10 ⁴)	kilogram-calories
foot pounds	0.1383	kilogram-meters
foot pounds	3.768(10 ³)	kilowatt-hours
foot pounds per min.	1.286(10 ³)	Btu units per minute
foot pounds per min.	0.01587	foot pounds per sec.
foot pounds per min.	3.033(10 ³)	horse power
foot pounds per min.	3.241(10 ⁴)	kg. calories per min.
foot pounds per min.	2.295(10 ³)	kilowatts
foot pounds per sec.	7.717(10 ³)	Btu units per minute
foot pounds per sec.	1.818(10 ³)	horse power
foot pounds per sec.	1.945(10 ³)	kg. calories per min.
foot pounds per sec.	1.355(10 ³)	kilowatts
gallons	8.325	pounds of water
gallons	3.785	cubic centimeters
gallons	11.133	cubic feet
gallons	231	cubic inches
gallons	3.785(10 ³)	cubic meters
gallons	4.95(10 ³)	cubic yards
gallons	3.785	liters
gallons	8	quarts (liquid)
gallons	4	quarts (liquid)
gallons per minute	2.228(10 ³)	cubic ft. per second
gallons per minute	0.06308	liters per second
grams (avoird.)	1	grams (av.)
grams (avoird.)	0.09480	grams
grams (avoird.)	0.00467	gramweights (avoird.)
grams	980.7	dynes
grams	15.43	grams (avoird.)
grams	10 ³	kilograms
grams	10 ³	milligrams
grams	0.03527	ounces
grams	0.00215	ounces (avoird.)
grams	0.07093	poundals
grams	2.205(10 ³)	pounds
horse power	42.44	Btu units per min.
horse power	23,000	foot pounds per min.
horse power	550	foot pounds per sec.
horse power	1,014	horse power (metric)
horse power	10.76	kg. calories per min.
horse power	0.7457	kilowatts
horse power	745.7	watts
horse power (boiler)	23,520	Btu's. per hour
horse power (boiler)	9,805	kilowatts
horse power-hours	2,547	British thermal units
horse power-hours	1,984(10 ³)	foot pounds

644

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