

Appendix B

R.S. Means Abbreviations

This chapter provides a list of the abbreviations used in the R.S. Means databases viewed in the Assemblies and Unit Prices resource windows.

Abbreviations

A	Area Square Feet; Ampere	BTUH	BTU per Hour	Cwt.	100 Pounds
ABS	Acrylonitrile Butadiene Styrene;	B.U.R.	Built-up Roofing	C.W.X.	Cool White Deluxe
	Asbestos Bonded Steel	BX	Interlocked Armored Cable	C.Y.	Cubic Yard (27 cubic feet)
A.C.	Alternating Current;	°C	degree centegrade	C.Y./Hr.	Cubic Yard per Hour
	Air-Conditioning;	c	Conductivity, Copper Sweat	Cyl.	Cylinder
	Asbestos Cement;	C	Hundred; Centigrade	d	Penny (nail size)
	Plywood Grade A & C	C/C	Center to Center, Cedar on Cedar	D	Deep; Depth; Discharge
A.C.I.	American Concrete Institute	C-C	Center to Center	Dis., Disch.	Discharge
AD	Plywood, Grade A & D	Cab.	Cabinet	Db.	Decibel
Addit.	Additional	Cair.	Air Tool Laborer	Dbl.	Double
Adj.	Adjustable	Calc	Calculated	DC	Direct Current
af	Audio-frequency	Cap.	Capacity	DDC	Direct Digital Control
A.G.A.	American Gas Association	Carp.	Carpenter	Demob.	Demobilization
Agg.	Aggregate	C.B.	Circuit Breaker	d.f.u.	Drainage Fixture Units
A.H.	Ampere Hours	C.C.A.	Chromate Copper Arsenate	D.H.	Double Hung
A hr.	Ampere-hour	C.C.F.	Hundred Cubic Feet	DHW	Domestic Hot Water
A.H.U.	Air Handling Unit	cd	Candela	DI	Ductile Iron
A.I.A.	American Institute of Architects	cd/sf	Candela per Square Foot	Diag.	Diagonal
AIC	Ampere Interrupting Capacity	CD	Grade of Plywood Face & Back	Diam., Dia	Diameter
Allow.	Allowance	CDX	Plywood, Grade C & D, exterior	Distrib.	Distribution
alt.	Altitude		glue	Div.	Division
Alum.	Aluminum	Cefi.	Cement Finisher	Dk.	Deck
a.m.	Ante Meridiem	Cem.	Cement	D.L.	Dead Load; Diesel
Amp.	Ampere	CF	Hundred Feet	DLH	Deep Long Span Bar Joist
Anod.	Anodized	C.F.	Cubic Feet	Do.	Ditto
Approx.	Approximate	CFM	Cubic Feet per Minute	Dp.	Depth
Apt.	Apartment	c.g.	Center of Gravity	D.P.S.T.	Double Pole, Single Throw
Asb.	Asbestos	CHW	Chilled Water;	Dr.	Drive
A.S.B.C.	American Standard Building Code		Commercial Hot Water	Drink.	Drinking
Asbe.	Asbestos Worker	C.I.	Cast Iron	D.S.	Double Strength
ASCE.	American Society of Civil Engineers	C.I.P.	Cast in Place	D.S.A.	Double Strength A Grade
A.S.H.R.A.E.	American Society of Heating,	Circ.	Circuit	D.S.B.	Double Strength B Grade
	Refrig. & AC Engineers	C.L.	Carload Lot	Dty.	Duty
A.S.M.E.	American Society of Mechanical	Clab.	Common Laborer	DWV	Drain Waste Vent
	Engineers	Clam	Common maintenance laborer	DX	Deluxe White, Direct Expansion
A.S.T.M.	American Society for Testing and	C.L.F.	Hundred Linear Feet	dyn	Dyne
	Materials	CLF	Current Limiting Fuse	e	Eccentricity
Attchmt.	Attachment	CLP	Cross Linked Polyethylene	E	Equipment Only; East
Avg., Ave.	Average	cm	Centimeter	Ea.	Each
A.W.G.	American Wire Gauge	CMP	Corr. Metal Pipe	E.B.	Encased Burial
AWWA	American Water Works Assoc.	C.M.U.	Concrete Masonry Unit	Econ.	Economy
Bbl.	Barrel	CN	Change Notice	E.C.Y.	Embankment Cubic Yards
B&B	Grade B and Better;	Col.	Column	EDP	Electronic Data Processing
	Balled & Burlapped	CO ₂	Carbon Dioxide	EIFS	Exterior Insulation Finish System
B.&S.	Bell and Spigot	Comb.	Combination	E.D.R.	Equiv. Direct Radiation
B.&W.	Black and White	Comp.r.	Compressor	Eq.	Equation
b.c.c.	Body-centered Cubic	Conc.	Concrete	EL	elevation
B.C.Y.	Bank Cubic Yards	Cont.	Continuous; Continued, Container	Elec.	Electrician; Electrical
BE	Bevel End	Corr.	Corrugated	Elev.	Elevator; Elevating
B.F.	Board Feet	Cos	Cosine	EMT	Electrical Metallic Conduit;
Bg. cem.	Bag of Cement	Cot	Cotangent		Thin Wall Conduit
BHP	Boiler Horsepower;	Cov.	Cover	Eng.	Engine, Engineered
	Brake Horsepower	C/P	Cedar on Paneling	EPDM	Ethylene Propylene Diene
B.I.	Black Iron	CPA	Control Point Adjustment		Monomer
Bit., Bitum.	Bituminous	Cplg.	Coupling	EPS	Expanded Polystyrene
Bit., Conc.	Bituminous Concrete	C.P.M.	Critical Path Method	Eqhv.	Equip. Oper., Heavy
Bk.	Backed	C.Pr.	Chlorinated Polyvinyl Chloride	Eqlt.	Equip. Oper., Light
Bkrs.	Breakers	C.Pr.	Hundred Pair	Eqmd.	Equip. Oper., Medium
Bldg.	Building	CRC	Cold Rolled Channel	Eqmm.	Equip. Oper., Master Mechanic
Blk.	Block	Creos.	Creosote	Eqol.	Equip. Oper., Oilers
Bm.	Beam	Crpt.	Carpet & Linoleum Layer	Equip.	Equipment
Boil.	Boilermaker	CRT	Cathode-ray Tube	ERW	Electric Resistance Welded
B.P.M.	Blows per Minute	CS	Carbon Steel, Constant Shear Bar	E.S.	Energy Saver
BR	Bedroom		Joist	Est.	Estimated
Brg.	Bearing	Csc	Cosecant	esu	Electrostatic Units
Brhe.	Bricklayer Helper	C.S.F.	Hundred Square Feet	E.W.	Each Way
Bric.	Bricklayer	CSI	Construction Specifications	EWT	Entering Water Temperature
Brk.	Brick		Institute	Excav.	Excavation
Brng.	Bearing	C.T.	Current Transformer	Exp.	Expansion, Exposure
Brs.	Brass	CTS	Copper Tube Size	Ext.	Exterior
Brz.	Bronze	Cu	Copper, Cubic	Extru.	Extrusion
Bsn.	Basin	Cu. Ft.	Cubic Foot	f.	Fiber stress
Btr.	Better	cw	Continuous Wave	F	Fahrenheit; Female; Fill
Btu	British Thermal Unit	C.W.	Cool White; Cold Water	Fab.	Fabricated

Abbreviations

FBGS	Fiberglass	H.P.	Horsepower; High Pressure	LE	Lead Equivalent
FC.	Footcandles	H.P.F.	High Power Factor	LED	Light Emitting Diode
f.c.c.	Face-centered Cubic	Hr.	Hour	L.F.	Linear Foot
f'c.	Compressive Stress in Concrete; Extreme Compressive Stress	Hrs./Day	Hours per Day	L.F. Nose	Linear Foot of Stair Nosing
EE.	Front End	HSC	High Short Circuit	L.F. Rsr	Linear Foot of Stair Riser
FEP	Fluorinated Ethylene Propylene (Teflon)	Ht.	Height	Lg.	Long; Length; Large
FG.	Flat Grain	Htg.	Heating	L & H	Light and Heat
FH.A.	Federal Housing Administration	Htrs.	Heaters	LH	Long Span Bar Joist
Fig.	Figure	HVAC	Heating, Ventilation & Air-Conditioning	L.H.	Labor Hours
Fin.	Finished	Hvy.	Heavy	L.L.	Live Load
Fixt.	Fixture	HW	Hot Water	L.L.D.	Lamp Lumen Depreciation
Fl. Oz.	Fluid Ounces	Hyd.;Hydr.	Hydraulic	lm	Lumen
Flr.	Floor	Hz.	Hertz (cycles)	lm/sf	Lumen per Square Foot
EM.	Frequency Modulation; Factory Mutual	I.	Moment of Inertia	lm/W	Lumen per Watt
Fmg.	Framing	I.C.	International Building Code	L.O.A.	Length Over All
Fdn.	Foundation	ID	Inside Diameter	log	Logarithm
Fori.	Foreman, Inside	I.D.	Inside Dimension; Identification	L-O-L	Lateraloleit
Foro.	Foreman, Outside	I.F.	Inside Frosted	long.	longitude
Fount.	Fountain	I.M.C.	Intermediate Metal Conduit	L.P.	Liquefied Petroleum; Low Pressure
fpm	Feet per Minute	In.	Inch	L.P.F.	Low Power Factor
FPT	Female Pipe Thread	Incan.	Incandescent	LR	Long Radius
Fr.	Frame	Incl.	Included; Including	L.S.	Lump Sum
FR.	Fire Rating	Int.	Interior	Lt.	Light
FRK	Foil Reinforced Kraft	Inst.	Installation	Lt. Ga.	Light Gauge
FRP	Fiberglass Reinforced Plastic	Insul.	Insulation/Insulated	L.T.L.	Less than Truckload Lot
FS	Forged Steel	I.P.	Iron Pipe	Lt. Wt.	Lightweight
FSC	Cast Body; Cast Switch Box	I.P.S.	Iron Pipe Size	L.V.	Low Voltage
Ft.	Foot; Feet	I.P.T.	Iron Pipe Threaded	M	Thousand; Material; Male; Light Wall Copper Tubing
Ftng.	Fitting	I.W.	Indirect Waste	M ² CA	Meters Squared Contact Area
Ftg.	Footing	J	Joule	m/hr.; M.H.	Man-hour
Ft lb.	Foot Pound	J.I.C.	Joint Industrial Council	mA	Milliampere
Furn.	Furniture	K	Thousand; Thousand Pounds; Heavy Wall Copper Tubing, Kelvin	Mach.	Machine
FVNR	Full Voltage Non-Reversing	K.A.H.	Thousand Amp. Hours	Mag. Str.	Magnetic Starter
FXM	Female by Male	KCML	Thousand Circular Mils	Maint.	Maintenance
Fy.	Minimum Yield Stress of Steel	KD	Knock Down	Marb.	Marble Setter
g	Gram	K.D.A.T.	Kiln Dried After Treatment	Mat; Mat'l.	Material
G	Gauss	kg	Kilogram	Max.	Maximum
Ga.	Gauge	kG	Kilogauss	MBF	Thousand Board Feet
Gal., gal.	Gallon	kgf	Kilogram Force	MBH	Thousand BTU's per hr.
gpm, GPM	Gallon per Minute	kHz	Kilohertz	MC	Metal Clad Cable
Galv.	Galvanized	Kip.	1000 Pounds	M.C.F.	Thousand Cubic Feet
Gen.	General	KJ	Kiljoule	M.C.F.M.	Thousand Cubic Feet per Minute
G.E.I.	Ground Fault Interrupter	K.L.	Effective Length Factor	M.C.M.	Thousand Circular Mils
Glaz.	Glazier	K.L.F.	Kips per Linear Foot	M.C.P.	Motor Circuit Protector
GPD	Gallons per Day	Km	Kilometer	MD	Medium Duty
GPH	Gallons per Hour	K.S.F.	Kips per Square Foot	M.D.O.	Medium Density Overlaid
GPM	Gallons per Minute	K.S.I.	Kips per Square Inch	Med.	Medium
GR	Grade	kV	Kilovolt	MF	Thousand Feet
Gran.	Granular	kVA	Kilovolt Ampere	M.F.B.M.	Thousand Feet Board Measure
Grnd.	Ground	K.V.A.R.	Kilovar (Reactance)	Mfg.	Manufacturing
H	High Henry	KW	Kilowatt	Mfrs.	Manufacturers
H.C.	High Capacity	KWh	Kilowatt-hour	mg	Milligram
H.D.	Heavy Duty; High Density	L	Labor Only; Length; Long; Medium Wall Copper Tubing	MGD	Million Gallons per Day
H.D.O.	High Density Overlaid	Lab.	Labor	MGPH	Thousand Gallons per Hour
H.D.PE.	high density polyethelene	lat	Latitude	MH, M.H.	Manhole; Metal Halide; Man-Hour
Hdr.	Header	Lath.	Lather	MHz	Megahertz
Hdwe.	Hardware	Lav.	Lavatory	Mi.	Mile
Help.	Helper Average	lb.; #	Pound	MI	Malleable Iron; Mineral Insulated
HEPA	High Efficiency Particulate Air Filter	L.B.	Load Bearing; L Conduit Body	mm	Millimeter
Hg	Mercury	L. & E.	Labor & Equipment	Mill.	Millwright
HIC	High Interrupting Capacity	lb./hr.	Pounds per Hour	Min., min.	Minimum, minute
HM	Hollow Metal	lb./L.F.	Pounds per Linear Foot	Misc.	Miscellaneous
HMWPE	high molecular weight polyethylene	lbf/sq.in.	Pound-force per Square Inch	ml	Milliliter, Mainline
H.O.	High Output	L.C.L.	Less than Carload Lot	M.L.F.	Thousand Linear Feet
Horiz.	Horizontal	L.C.Y.	Loose Cubic Yard	Mo.	Month
		Ld.	Load	Mobil.	Mobilization
				Mog.	Mogul Base
				MPH	Miles per Hour
				MPT	Male Pipe Thread

Abbreviations

MRT	Mile Round Trip	Pl.	Plate	S.E.C.A.	Square Foot Contact Area
ms	Millisecond	Plah.	Plasterer Helper	S.F. Flr.	Square Foot of Floor
M.S.F.	Thousand Square Feet	Plas.	Plasterer	S.F.G.	Square Foot of Ground
Mstz.	Mosaic & Terrazzo Worker	Pluh.	Plumbers Helper	S.F. Hor.	Square Foot Horizontal
M.S.Y.	Thousand Square Yards	Plum.	Plumber	S.F.R.	Square Feet of Radiation
Mtd., mtd.	Mounted	Ply.	Plywood	S.F. Shlf.	Square Foot of Shelf
Mthe.	Mosaic & Terrazzo Helper	p.m.	Post Meridiem	S4S	Surface 4 Sides
Mtng.	Mounting	Pntd.	Painted	Shee.	Sheet Metal Worker
Mult.	Multi; Multiply	Pord.	Painter, Ordinary	Sin.	Sine
M.V.A.	Million Volt Amperes	pp	Pages	Skwk.	Skilled Worker
M.V.A.R.	Million Volt Amperes Reactance	PP, PPL	Polypropylene	SL	Saran Lined
MV	Megavolt	P.P.M.	Parts per Million	S.L.	Slimline
MW	Megawatt	Pr.	Pair	Sldr.	Solder
MXM	Male by Male	P.E.S.B.	Pre-engineered Steel Building	SLH	Super Long Span Bar Joist
MYD	Thousand Yards	Prefab.	Prefabricated	S.N.	Solid Neutral
N	Natural; North	Prefin.	Prefinished	S-O-L	Socketolet
nA	Nanoampere	Prop.	Propelled	sp	Standpipe
NA	Not Available; Not Applicable	PSF, psf	Pounds per Square Foot	S.P.	Static Pressure; Single Pole; Self-Propelled
N.B.C.	National Building Code	PSI, psi	Pounds per Square Inch	Spri.	Sprinkler Installer
NC	Normally Closed	PSIG	Pounds per Square Inch Gauge	spwg	Static Pressure Water Gauge
N.E.M.A.	National Electrical Manufacturers Assoc.	PSP	Plastic Sewer Pipe	S.P.D.T.	Single Pole, Double Throw
NEHB	Bolted Circuit Breaker to 600V.	Pspr.	Painter, Spray	SPF	Spruce Pine Fir
N.L.B.	Non-Load-Bearing	Psst.	Painter, Structural Steel	S.P.S.T.	Single Pole, Single Throw
NM	Non-Metallic Cable	P.T.	Potential Transformer	SPT	Standard Pipe Thread
nm	Nanometer	P. & T.	Pressure & Temperature	Sq.	Square; 100 Square Feet
No.	Number	Ptd.	Painted	Sq. Hd.	Square Head
NO	Normally Open	Ptns.	Partitions	Sq. In.	Square Inch
N.O.C.	Not Otherwise Classified	Pu	Ultimate Load	S.S.	Single Strength; Stainless Steel
Nose.	Nosing	PVC	Polyvinyl Chloride	S.S.B.	Single Strength B Grade
N.P.T.	National Pipe Thread	Pvmt.	Pavement	sst, ss	Stainless Steel
NQOD	Combination Plug-on/Bolt on Circuit Breaker to 240V.	Pwr.	Power	Sswk.	Structural Steel Worker
N.R.C.	Noise Reduction Coefficient/ Nuclear Regulator Commission	Q	Quantity Heat Flow	Sswl.	Structural Steel Welder
N.R.S.	Non Rising Stem	Qt.	Quart	St.,Stl.	Steel
ns	Nanosecond	Quan., Qty.	Quantity	S.T.C.	Sound Transmission Coefficient
nW	Nanowatt	Q.C.	Quick Coupling	Std.	Standard
OB	Opposing Blade	r	Radius of Gyration	Stg.	Staging
OC	On Center	R	Resistance	STK	Select Tight Knot
OD	Outside Diameter	R.C.P.	Reinforced Concrete Pipe	STP	Standard Temperature & Pressure
O.D.	Outside Dimension	Rect.	Rectangle	Stpi.	Steamfitter, Pipefitter
ODS	Overhead Distribution System	Reg.	Regular	Str.	Strength; Starter; Straight
O.G.	Ogee	Reinf.	Reinforced	Strd.	Stranded
O.H.	Overhead	Req'd.	Required	Struct.	Structural
O&P	Overhead and Profit	Res.	Resistant	Sty.	Story
Oper.	Operator	Resi.	Residential	Subj.	Subject
Opng.	Opening	Rgh.	Rough	Subs.	Subcontractors
Orna.	Ornamental	RGS	Rigid Galvanized Steel	Surf.	Surface
OSB	Oriented Strand Board	R.H.W.	Rubber, Heat & Water Resistant; Residential Hot Water	Sw.	Switch
O.S.&Y.	Outside Screw and Yoke	rms	Root Mean Square	Swbd.	Switchboard
Ovhd.	Overhead	Rnd.	Round	S.Y.	Square Yard
OWG	Oil, Water or Gas	Rodm.	Rodman	Syn.	Synthetic
Oz.	Ounce	Rofc.	Roofer; Composition	S.Y.P.	Southern Yellow Pine
P	Pole; Applied Load; Projection	Rofp.	Roofer, Precast	Sys.	System
p.	Page	Rohe.	Roofer Helpers (Composition)	t.	Thickness
Pape.	Paperhanger	Rots.	Roofer, Tile & Slate	T	Temperature; Ton
P.A.P.R.	Powered Air Purifying Respirator	R.O.W.	Right of Way	Tan	Tangent
PAR	Parabolic Reflector	RPM	Revolutions per Minute	T.C.	Terra Cotta
Pc., Pcs.	Piece, Pieces	R.S.	Rapid Start	T & C	Threaded and Coupled
P.C.	Portland Cement; Power Connector	Rsr	Riser	T.D.	Temperature Difference
P.C.F.	Pounds per Cubic Foot	RT	Round Trip	Tdd	Telecommunications Device for the Deaf
P.C.M.	Phase Contrast Microscopy	S.	Suction; Single Entrance; South	T.E.M.	Transmission Electron Microscopy
PE.	Professional Engineer; Porcelain Enamel; Polyethylene; Plain End	SC	Screw Cover	TFE	Tetrafluoroethylene (Teflon)
Perf.	Perforated	SCFM	Standard Cubic Feet per Minute	T. & G.	Tongue & Groove; Tar & Gravel
PEX	Cross linked polyethylene	Scaf.	Scaffold	Th.,Thk.	Thick
Ph.	Phase	Sch., Sched.	Schedule	Thn.	Thin
PI.	Pressure Injected	S.C.R.	Modular Brick	Thrded	Threaded
Pile.	Pile Driver	S.D.	Sound Deadening	Tilf.	Tile Layer; Floor
Pkg.	Package	S.D.R.	Standard Dimension Ratio	Tilh.	Tile Layer, Helper
		S.E.	Surfaced Edge	THHN	Nylon Jacketed Wire
		Sel.	Select	THW.	Insulated Strand Wire
		S.E.R., S.E.U.	Service Entrance Cable		
		S.F.	Square Foot		

Abbreviations

THWN	Nylon Jacketed Wire	USP	United States Primed	Wrck.	Wrecker
TL	Truckload	UTP	Unshielded Twisted Pair	W.S.P.	Water, Steam, Petroleum
T.M.	Track Mounted	V	Volt	WT, Wt.	Weight
Tot.	Total	V.A.	Volt Amperes	WWF	Welded Wire Fabric
T-O-L	Threadolet	V.C.T.	Vinyl Composition Tile	XFER	Transfer
T.S.	Trigger Start	VAV	Variable Air Volume	XFMR	Transformer
Tr.	Trade	VC	Veneer Core	XHD	Extra Heavy Duty
Transf.	Transformer	Vent.	Ventilation	XHHW,	Cross-Linked Polyethylene Wire
Trhv.	Truck Driver, Heavy	Vert.	Vertical	XLPE	Insulation
Trlr	Trailer	V.F.	Vinyl Faced	XLP	Cross-linked Polyethylene
Trlt.	Truck Driver, Light	V.G.	Vertical Grain	Y	Wye
TTY	Teletypewriter	V.H.F.	Very High Frequency	yd	Yard
TV	Television	VHO	Very High Output	yr	Year
T.W.	Thermoplastic Water Resistant Wire	Vib.	Vibrating	Δ	Delta
UCI	Uniform Construction Index	V.L.F.	Vertical Linear Foot	%	Percent
UF	Underground Feeder	Vol.	Volume	~	Approximately
UGND	Underground Feeder	VRP	Vinyl Reinforced Polyester	∅	Phase; diameter
U.H.F.	Ultra High Frequency	W	Wire; Watt; Wide; West	@	At
U.I.	United Inch	w/	With	#	Pound; Number
U.L.	Underwriters Laboratory	W.C.	Water Column; Water Closet	<	Less Than
Uld.	unloading	W.F.	Wide Flange	>	Greater Than
Unfin.	Unfinished	W.G.	Water Gauge	Z	zone
URD	Underground Residential Distribution	Wldg.	Welding		
US	United States	W. Mile	Wire Mile		
		W-O-L	Weldolet		
		W.R.	Water Resistant		