

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.

A	Area Square Feet; Ampere	Atchmt.	Attachment
ABS	Acrylonitrile Butadiene Styrene; Asbestos Bonded Steel	Avg.	Average
A.C.	Alternating Current; Air- Conditioning; Asbestos Cement; Plywood Grade A & C	A.W.G.	American Wire Gauge
A.C.I.	American Concrete Institute	AWWA	American Water Works Assoc.
AD	Plywood, Grade A & D	Bbl.	Barrel
Addit.	Additional	B. & B.	Grade B and Better; Balled & Burlapped
Adj.	Adjustable	B. & S.	Bell and Spigot
af	Audio-frequency	B. & W.	Black and White
A.G.A.	American Gas Association	b.c.c.	Body-centered Cubic
Agg.	Aggregate	B.C.Y.	Bank Cubic Yards
A.H.	Ampere Hours	BE	Bevel End
A hr.	Ampere-hour	B.F.	Board Feet
A.H.U.	Air Handling Unit	Bg. cem.	Bag of Cement
A.I.A.	American Institute of Architects	BHP	Boiler Horsepower; Brake Horsepower
AIC	Ampere Interrupting Capacity	B.I.	Black Iron
Allow.	Allowance	Bit.; Bitum.	Bituminous
alt.	Altitude	Bk.	Backed
Alum.	Aluminum	Bkrs.	Breakers
a.m.	Ante Meridiem	Bldg.	Building
Amp.	Ampere	Blk.	Block
Anod.	Anodized	Bm.	Beam
Approx.	Approximate	Boil.	Boilermaker
Apt.	Apartment	B.P.M.	Blows per Minute
Asb.	Asbestos	BR	Bedroom
A.S.B.C.	American Standard Building Code	Brg.	Bearing
Asbe.	Asbestos Worker	Brhe.	Bricklayer Helper
A.S.H.R.A.E.	American Society of Heating, Refrig. & AC Engineers	Bric.	Bricklayer
A.S.M.E.	American Society of Mechanical Engineers	Brk.	Brick
A.S.T.M.	American Society for Testing and Materials	Bmg.	Bearing
		Brs.	Brass
		Brz.	Bronze
		Bsn.	Basin
		Btr.	Better
		BTU	British Thermal Unit
		BTUH	BTU per Hour
		B.U.R.	Built-up Roofing
		BX	Interlocked Armored Cable

c	Conductivity, Copper Sweat	CO2	Carbon Dioxide
C	Hundred; Centigrade	Comb.	Combination
C/C	Center to Center, Cedar on Cedar	Compr.	Compressor
Cab.	Cabinet	Conc.	Concrete
Cair.	Air Tool Laborer	Cont.	Continuous; Continued
Calc	Calculated	Corr.	Corrugated
Cap.	Capacity	Cos	Cosine
Carp.	Carpenter	Cot	Cotangent
C.B.	Circuit Breaker	Cov.	Cover
C.C.A.	Chromate Copper Arsenate	C/P	Cedar on Paneling
C.C.F.	Hundred Cubic Feet	CPA	Control Point Adjustment
cd	Candela	Cplg.	Coupling
cd/sf	Candela per Square Foot	C.P.M.	Critical Path Method
CD	Grade of Plywood Face & Back	CPVC	Chlorinated Polyvinyl Chloride
CDX	Plywood, Grade C & D, exterior glue	C.Pr.	Hundred Pair
Cefi.	Cement Finisher	CRC	Cold Rolled Channel
Cem.	Cement	Creos.	Creosote
CF	Hundred Feet	Crpt.	Carpet & Linoleum Layer
C.F.	Cubic Feet	CRT	Cathode-ray Tube
CFM	Cubic Feet per Minute	CS	Carbon Steel, Constant Shear Bar Joist
c.g.	Center of Gravity	Csc	Cosecant
CHW	ChilledWater; Commercial HotWater	C.S.F.	Hundred Square Feet
C.I.	Cast Iron	CSI	Construction Specifications Institute
C.I.P.	Cast in Place	C.T.	Current Transformer
Circ.	Circuit	CTS	Copper Tube Size
C.L.	Carload Lot	Cu	Copper, Cubic
Clab.	Common Laborer	Cu. Ft.	Cubic Foot
C.L.F.	Hundred Linear Feet	cw	Continuous Wave
CLF	Current Limiting Fuse	C.W.	Cool White; ColdWater
CLP	Cross Linked Polyethylene	Cwt.	100 Pounds
Cm	Centimeter	C.W.X.	Cool White Deluxe
CMP	Corr. Metal Pipe	C.Y.	Cubic Yard (27 cubic feet)
C.M.U.	Concrete Masonry Unit	C.Y./Hr.	Cubic Yard per Hour
CN	Change Notice	Cyl.	Cylinder
Col.	Column	d	Penny (nail size)
		D	Deep; Depth; Discharge
		Dis.;Disch.	Discharge
		Db.	Decibel

Dbl.	Double	EMT	Electrical Metallic Conduit; Thin Wall Conduit
DC	Direct Current	Eng.	Engine, Engineered
DDC	Direct Digital Control	EPDM	Ethylene Propylene Diene Monomer
Demob.	Demobilization	EPS	Expanded Polystyrene
d.f.u.	Drainage Fixture Units	Eqhv.	Equip. Oper, Heavy
D.H.	Double Hung	Eqlt.	Equip. Oper, Light
DHW	Domestic HotWater	Eqmd.	Equip. Oper, Medium
Diag.	Diagonal	Eqmm.	Equip. Oper, Master Mechanic
Diam.	Diameter	Eqol.	Equip. Oper, Oilers
Distrib.	Distribution	Equip.	Equipment
Dk.	Deck	ERW	Electric Resistance Welded
D.L.	Dead Load; Diesel	E.S.	Energy Saver
DLH	Deep Long Span Bar Joist	Est.	Estimated
Do.	Ditto	esu	Electrostatic Units
Dp.	Depth	E.W.	Each Way
D.P.S.T.	Double Pole, Single Throw	EWT	Entering Water Temperature
Dr.	Driver	Excav.	Excavation
Drink.	Drinking	Exp.	Expansion, Exposure
D.S.	Double Strength	Ext.	Exterior
D.S.A.	Double Strength A Grade	Extru.	Extrusion
D.S.B.	Double Strength B Grade	f.	Fiber stress
Dty.	Duty	F	Fahrenheit; Female; Fill
DWV	DrainWaste Vent	Fab.	Fabricated
DX	Deluxe White, Direct Expansion	FBGS	Fiberglass
dyn	Dyne	F.C.	Footcandles
e	Eccentricity	f.c.c.	Face-centered Cubic
E	Equipment Only; East	f c.	Compressive Stress in Concrete; Extreme Compressive Stress
Ea.	Each	F.E.	Front End
E.B.	Encased Burial	FEP	Fluorinated Ethylene Propylene (Teflon)
Econ.	Economy	F.G.	Flat Grain
EDP	Electronic Data Processing	F.H.A.	Federal Housing Administration
EIFS	Exterior Insulation Finish System	Fig.	Figure
E.D.R.	Equiv. Direct Radiation	Fin.	Finished
Eq.	Equation		
Elec.	Electrician; Electrical		
Elev.	Elevator; Elevating		

Fixt.	Fixture	GPM	Gallons per Minute
Fl. Oz.	Fluid Ounces	GR	Grade
Flr.	Floor	Gran.	Granular
F.M.	Frequency Modulation; Factory Mutual	Grnd.	Ground
Fmg.	Framing	H	High; High Strength Bar Joist; Henry
Fndtn.	Foundation	H.C.	High Capacity
Fori.	Foreman, Inside	H.D.	Heavy Duty; High Density
Foro.	Foreman, Outside	H.D.O.	High Density Overlaid
Fount.	Fountain	Hdr.	Header
FPM	Feet per Minute	Hdwe.	Hardware
FPT	Female Pipe Thread	Help.	Helpers Average
Fr.	Frame	HEPA	High Efficiency Particulate Air Filter
F.R.	Fire Rating	Hg	Mercury
FRK	Foil Reinforced Kraft	HIC	High Interrupting Capacity
FRP	Fiberglass Reinforced Plastic	HM	Hollow Metal
FS	Forged Steel	H.O.	High Output
FSC	Cast Body; Cast Switch Box	Horiz.	Horizontal
Ft.	Foot; Feet	H.P.	Horsepower; High Pressure
Ftng.	Fitting	H.P.F.	High Power Factor
Ftg.	Footing	Hr.	Hour
Ft. Lb.	Foot Pound	Hrs./Day	Hours per Day
Furn.	Furniture	HSC	High Short Circuit
FVNR	Full Voltage Non- Reversing	Ht.	Height
FXM	Female by Male	Htg.	Heating
Fy.	Minimum Yield Stress of Steel	Htrs.	Heaters
g	Gram	HVAC	Heating, Ventilation & Air- Conditioning
G	Gauss	Hvy.	Heavy
Ga.	Gauge	HW	Hot Water
Gal.	Gallon	Hyd.;Hydr.	Hydraulic
Gal./Min.	Gallon per Minute	Hz.	Hertz (cycles)
Galv.	Galvanized	I.	Moment of Inertia
Gen.	General	I.C.	Interrupting Capacity
G.F.I.	Ground Fault Interrupter	ID	Inside Diameter
Glaz.	Glazier	I.D.	Inside Dimension; Identification
GPD	Gallons per Day	I.F.	Inside Frosted
GPH	Gallons per Hour	I.M.C.	Intermediate Metal Conduit

In.	Inch	Lav.	Lavatory
Incan.	Incandescent	lb.; #	Pound
Incl.	Included; Including	L.B.	Load Bearing; L Conduit Body
Int.	Interior	L. & E.	Labor & Equipment
Inst.	Installation	lb./hr.	Pounds per Hour
Insul.	Insulation/Insulated	lb./L.F.	Pounds per Linear Foot
I.P.	Iron Pipe	lbf/sq.in.	Pound-force per Square Inch
I.P.S.	Iron Pipe Size	L.C.L.	Less than Carload Lot
I.P.T.	Iron Pipe Threaded	Ld.	Load
I.W.	Indirect Waste	LE	Lead Equivalent
J	Joule	LED	Light Emitting Diode
J.I.C.	Joint Industrial Council	L.F.	Linear Foot
K	Thousand;Thousand Pounds; HeavyWall Copper Tubing, Kelvin	Lg.	Long; Length; Large
K.A.H.	Thousand Amp. Hours	L & H	Light and Heat
KCMIL	Thousand Circular Mils	LH	Long Span Bar Joist
KD	Knock Down	L.H.	Labor Hours
K.D.A.T.	Kiln Dried After Treatment	L.L.	Live Load
kg	Kilogram	L.L.D.	Lamp Lumen Depreciation
kG	Kilogauss	L-O-L	Lateraloleit
kgf	Kilogram Force	lm	Lumen
kHz	Kilohertz	lm/sf	Lumen per Square Foot
Kip.	1000 Pounds	lm/W	Lumen per Watt
KJ	Kiljoule	L.O.A.	Length Over All
K.L.	Effective Length Factor	log	Logarithm
K.L.F.	Kips per Linear Foot	L.P.	Liquefied Petroleum; Low Pressure
Km	Kilometer	L.P.F.	Low Power Factor
K.S.F.	Kips per Square Foot	LR	Long Radius
K.S.I.	Kips per Square Inch	L.S.	Lump Sum
kV	Kilovolt	Lt.	Light
kVA	Kilovolt Ampere	Lt. Ga.	Light Gauge
K.V.A.R.	Kilovar (Reactance)	L.T.L.	Less than Truckload Lot
KW	Kilowatt	Lt. Wt.	Lightweight
KWh	Kilowatt-hour	L.V.	Low Voltage
L	Labor Only; Length; Long; MediumWall Copper Tubing	M	Thousand; Material; Male; LightWall Copper Tubing
Lab.	Labor	M2CA	Meters Squared Contact Area
lat	Latitude	m/hr; M.H.	Man-hour
Lath.	Lather		

mA	Milliampere	Mog.	Mogul Base
Mach.	Machine	MPH	Miles per Hour
Mag. Str.	Magnetic Starter	MPT	Male Pipe Thread
Maint.	Maintenance	MRT	Mile Round Trip
Marb.	Marble Setter	ms	Millisecond
Mat; Mat'l.	Material	M.S.F.	Thousand Square Feet
Max.	Maximum	Mstz.	Mosaic & Terrazzo Worker
MBF	Thousand Board Feet	M.S.Y.	Thousand Square Yards
MBH	Thousand BTU's per hr.	Mtd.	Mounted
MC	Metal Clad Cable	Mthe.	Mosaic & Terrazzo Helper
M.C.F.	Thousand Cubic Feet	Mtng.	Mounting
M.C.F.M.	Thousand Cubic Feet per Minute	Mult.	Multi; Multiply
M.C.M.	Thousand Circular Mils	M.V.A.	Million Volt Amperes
M.C.P.	Motor Circuit Protector	M.V.A.R.	Million Volt Amperes Reactance
MD	Medium Duty	MV	Megavolt
M.D.O.	Medium Density Overlaid	MW	Megawatt
Med.	Medium	MXM	Male by Male
MF	Thousand Feet	MYD	Thousand Yards
M.F.B.M.	Thousand Feet Board Measure	N	Natural; North
Mfg.	Manufacturing	nA	Nanoampere
Mfrs.	Manufacturers	NA	Not Available; Not Applicable
mg	Milligram	N.B.C.	National Building Code
MGD	Million Gallons per Day	NC	Normally Closed
MGPH	Thousand Gallons per Hour	N.E.M.A.	National Electrical Manufacturers Assoc.
MH, M.H.	Manhole; Metal Halide; Man-Hour	NEHB	Bolted Circuit Breaker to 600V.
MHz	Megahertz	N.L.B.	Non-Load-Bearing
Mi.	Mile	NM	Non-Metallic Cable
MI	Malleable Iron; Mineral Insulated	nm	Nanometer
mm	Millimeter	No.	Number
Mill.	Millwright	NO	Normally Open
Min., min.	Minimum, minute	N.O.C.	Not Otherwise Classified
Misc.	Miscellaneous	Nose.	Nosing
ml	Milliliter, Mainline	N.P.T.	National Pipe Thread
M.L.F.	Thousand Linear Feet	NQOD	Combination Plug-on/Bolt on Circuit Breaker to 240V.
Mo.	Month		
Mobil.	Mobilization	N.R.C.	Noise Reduction Coefficient

N.R.S.	Non Rising Stem	Plah.	Plasterer Helper
ns	Nanosecond	Plas.	Plasterer
nW	Nanowatt	Pluh.	Plumbers Helper
OB	Opposing Blade	Plum.	Plumber
OC	On Center	Ply.	Plywood
OD	Outside Diameter	p.m.	Post Meridiem
O.D.	Outside Dimension	Pntd.	Painted
ODS	Overhead Distribution System	Pord.	Painter, Ordinary
O.G.	Ogee	pp	Pages
O.H.	Overhead	PP; PPL	Polypropylene
O & P	Overhead and Profit	P.P.M.	Parts per Million
Oper.	Operator	Pr.	Pair
Opng.	Opening	P.E.S.B.	Pre-engineered Steel Building
Oma.	Ornamental	Prefab.	Prefabricated
OSB	Oriented Strand Board	Prefin.	Prefinished
O. S. & Y.	Outside Screw and Yoke	Prop.	Propelled
Ovhd.	Overhead	PSF; psf	Pounds per Square Foot
OWG	Oil, Water or Gas	PSI; psi	Pounds per Square Inch
Oz.	Ounce	PSIG	Pounds per Square Inch Gauge
P.	Pole; Applied Load; Projection	PSP	Plastic Sewer Pipe
p.	Page	Pspr.	Painter, Spray
Pape.	Paperhanger	Psst.	Painter, Structural Steel
P.A.P.R.	Powered Air Purifying Respirator	P.T.	Potential Transformer
PAR	Parabolic Reflector	P. & T.	Pressure & Temperature
Pc., Pcs.	Piece, Pieces	Ptd.	Painted
P.C.	Portland Cement; Power Connector	Ptns.	Partitions
P.C.F.	Pounds per Cubic Foot	Pu	Ultimate Load
P.C.M.	Phase Contract Microscopy	PVC	Polyvinyl Chloride
P.E.	Professional Engineer; Porcelain Enamel; Polyethylene; Plain End	Pvmt.	Pavement
Perf.	Perforated	Pwr.	Power
Ph.	Phase	Q	Quantity Heat Flow
P.I.	Pressure Injected	Quan.; Qty.	Quantity
Pile.	Pile Driver	Q.C.	Quick Coupling
Pkg.	Package	r	Radius of Gyration
Pl.	Plate	R	Resistance
		R.C.P.	Reinforced Concrete Pipe
		Rect.	Rectangle
		Reg.	Regular
		Reinf.	Reinforced

Req'd.	Required	Shee.	Sheet Metal Worker
Res.	Resistant	Sin.	Sine
Resi.	Residential	Skwk.	Skilled Worker
Rgh.	Rough	SL	Saran Lined
RGS	Rigid Galvanized Steel	S.L.	Slimline
R.H.W.	Rubber, Heat & Water Resistant; Residential Hot Water	Sldr.	Solder
		SLH	Super Long Span Bar Joist
rms	Root Mean Square	S.N.	Solid Neutral
Rnd.	Round	S-O-L	Socketolet
Rodm.	Rodman	sp	Standpipe
Rofc.	Roofer, Composition	S.P.	Static Pressure; Single Pole; Self-Propelled
Rofp.	Roofer, Precast		
Rohe.	Roofer Helpers (Composition)	Spri.	Sprinkler Installer
Rots.	Roofer, Tile & Slate	spwg	Static Pressure Water Gauge
R.O.W.	Right ofWay	Sq.	Square; 100 Square Feet
RPM	Revolutions per Minute	S.P.D.T.	Single Pole, Double Throw
R.S.	Rapid Start		
Rsr	Riser	SPF	Spruce Pine Fir
RT	Round Trip	S.P.S.T.	Single Pole, Single Throw
S.	Suction; Single Entrance; South	SPT	Standard Pipe Thread
SCFM	Standard Cubic Feet per Minute	Sq. Hd.	Square Head
Scaf.	Scaffold	Sq. In.	Square Inch
Sch.; Sched.	Schedule	S.S.	Single Strength; Stainless Steel
S.C.R.	Modular Brick	S.S.B.	Single Strength B Grade
S.D.	Sound Deadening	sst	Stainless Steel
S.D.R.	Standard Dimension Ratio	Sswk.	Structural Steel Worker
S.E.	Surfaced Edge	Sswl.	Structural Steel Welder
Sel.	Select	St.;Stl.	Steel
S.E.R.	Service Entrance Cable	S.T.C.	Sound Transmission Coefficient
S.E.U.	Service Entrance Cable	Std.	Standard
S.F.	Square Foot	STK	Select Tight Knot
S.F.C.A.	Square Foot Contact Area	STP	Standard Temperature & Pressure
S.F.G.	Square Foot of Ground		
S.F. Hor.	Square Foot Horizontal	Stpi.	Steamfitter, Pipefitter
S.F.R.	Square Feet of Radiation	Str.	Strength; Starter; Straight
S.F. Shlf.	Square Foot of Shelf	Strd.	Stranded
S4S	Surface 4 Sides	Struct.	Structural
		Sty.	Story

Subj.	Subject	T.W.	Thermoplastic Water Resistant Wire
Subs.	Subcontractors		
Surf.	Surface	UCI	Uniform Construction Index
Sw.	Switch	UF	Underground Feeder
Swbd.	Switchboard	UGND	Underground Feeder
S.Y.	Square Yard	U.H.F.	Ultra High Frequency
Syn.	Synthetic	U.L.	Underwriters Laboratory
S.Y.P.	Southern Yellow Pine	Unfin.	Unfinished
Sys.	System	URD	Underground Residential Distribution
t.	Thickness		
T	Temperature; Ton	US	United States
Tan	Tangent	USP	United States Primed
T.C.	Terra Cotta	UTP	Unshielded Twisted Pair
T & C	Threaded and Coupled	V	Volt
T.D.	Temperature Difference	V.A.	Volt Amperes
T.E.M.	Transmission Electron Microscopy	V.C.T.	Vinyl Composition Tile
TFE	Tetrafluoroethylene (Teflon)	VAV	Variable Air Volume
T. & G.	Tongue & Groove; Tar & Gravel	VC	Veneer Core
		Vent.	Ventilation
Th.;Thk.	Thick	Vert.	Vertical
Thn.	Thin	V.F.	Vinyl Faced
Thrded	Threaded	V.G.	Vertical Grain
Tilf.	Tile Layer, Floor	V.H.F.	Very High Frequency
Tilh.	Tile Layer, Helper	VHO	Very High Output
THHN	Nylon Jacketed Wire	Vib.	Vibrating
THW.	Insulated Strand Wire	V.L.F.	Vertical Linear Foot
THWN	Nylon Jacketed Wire	Vol.	Volume
T.L.	Truckload	VRP	Vinyl Reinforced Polyester
T.M.	Track Mounted	W	Wire; Watt; Wide; West
Tot.	Total	w/	With
T-O-L	Threadolet	W.C.	Water Column; Water Closet
T.S.	Trigger Start	W.F.	Wide Flange
Tr.	Trade	W.G.	Water Gauge
Transf	Transformer	Wldg.	Welding
Trhv.	Truck Driver, Heavy	W. Mile	Wire Mile
Trlr	Trailer	W-O-L	Weldolet
Trlt.	Truck Driver, Light	W.R.	Water Resistant
TV	Television	Wrck.	Wrecker
		W.S.P.	Water, Steam, Petroleum

WT.,Wt.	Weight	yd	Yard
WWF	Welded Wire Fabric	yr	Year
XFER	Transfer	D	Delta
XFMR	Transformer	%	Percent
XHD	Extra Heavy Duty	~	Approximately
XHHW; XLPE	Cross-Linked Polyethylene Wire Insulation	Æ	Phase
		@	At
XLP	Cross-linked Polyethylene	#	Pound; Number
Y	Wye	<	Less Than
		>	Greater Than

