

NMRA RECOMMENDED PRACTICES		
ABBREVIATIONS For Use on Drawings		
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NMRA RECOMMENDED PRACTICES RP-1 Abbreviations

Most of the abbreviations shown here are taken from the publication Z32.13-1946 by the American Standards Association. All are the consensus of opinion of the Engineering Committee of NMRA.

(Compiled by Electrical Circuits Committee Copyright 1950)

- A -			- G -		
Abbreviate	ABBR	Centralized Traffic Control	CTC	Gage or Gauge	GA
Air Circuit Breaker	ACB	Circuit	CKT	Gallon	GAL
Alarm	ALM	Circuit Breaker	CB	Gallons/Hour	GPH
Alternating Current	AC	Clear	CLR	General	GENL
Amber	AMB	Clockwise	CW	Generator	GEN
American Wire Gage	AWG	Common	COM	Glass	GL
Ammeter	AM	Common Battery	CB	Grade	GR
Ampere	AMP	Commutator	COMM	Grade Line	GL
Ampere Hour	AMP HR	Condenser	COND	Gravel	GVL
Ampere Turn	AT	Conductor	COND	Gravity	G
Amplifier	AMPL	Conductor Multiple	3/C	Green	GRN
Annunciator	ANN	Conduit	CND	Ground	GND
Antenna	ANT	Connect (ion)	CONN	- H -	
Apartment	APT	Contact	CONT		
Apparatus	APP	Container	CONTR	Hand Control	HC
Approach Lighting	APL	Continue	CONT	Hand Generator	HG
Approved	APPD	Control (ler)	CONT	Height	HGT
Approximate	APPROX	Coupling	CPLG	High Frequency	HF
Area	A	Cross (ing)	X	High Voltage	HV
Area Drain	AD	Cross Arm	X-ARM	Highway	HWY
Armature	ARM	Cross Connection	X-CONN	Home	H
Asbestos	ASB	Crossover	X-O	Horsepower	HP
Assemble	ASSEM	Crystal	XTAL	- I -	
Assembly	ASSY	Current	CUR		
Assistant	ASST	Cut Out	CO	Identity	IDENT
Association	ASSN	Cycle	CY	Ignition	IGN
Attach	ATT	Cycles/Second	CPS	Inch	" or IN
Audible	AUD	- D -		Inches/Second	IPS
Audio Frequency	AF			Inductance	I
Authorized	AUTH	Decalcomania	DECAL	Inside Diameter	ID
Automatic	AUTO	Decimal	DEC	Instrument	INST
Automatic Train Control	ATC	Department	DEPT	Insulate	INS
Auxillary	AUX	Diagram	DIAG	Interlock	INTLK
Avenue	AVE	Diameter	DIA	Inverse	INV
- B -			DC	- J -	
			DIST		
Back Connected	BC	Distance	DN	Jack	JK
Back Feed	BF	Down	DPST	Joint	JT
Balance	BAL	Double Pole Switch	DPSW	Journal	JNL
Ball Bearing	BB	Double Pole Double Throw	DPDT	Junction	JCT
Barrel	BBL	Double Pale Single Throw	DPST	Junction Box	JB
Basement	BSMT	- E -		- K -	
Battery	BAT				
Bill of Material	B/M	Each	EA	Key	K
Black	BLK	East	E	Kilo	K
Block	BLK	Electric	ELEC	Kilocycle	KC
Blue	BLU	Emergency	EMER	Kilogram	KG
Board	BD	Engine	ENG	Kilometer	KM
Breaker	BKR	Engine House	EH	Kilovolt	KV
Brown	BRN	Engineer	ENGR	Kilowatt	KW
Brown & Sharpe	B&S	Entrance	ENT	Thousand	K
Brush	BR	- F -		- L -	
Button	BUT				
Buzzer	BUZ	Feed Water	FW	Left	L
- C -			FPM	Length	LG
			FPS	Light	LT
Cable	CA	Feet/Minute	FLD	Limit Switch	LS
Call On	CO	Feet/Second	FIG	Line	LN
Candle Power	CP	Field	FIL	Lock	LK
Capacitor	CAP	Figure	FLT	Long	LG
Capacity	CAP	Filament	FLUOR	Low Voltage	LV
Carload	CL	Filter	' or FT	Inductance	L
Cast Iron	CI	Fluorescent	'# or FT LB	Pound	LB
Cement	CEM	Foot	FR	- M -	
Center	CTR	Foot Pounds	FRT		
Center Line	CL	Frame	FREQ	Magnet	MAG
Centimeter	CM	Freight	FW	Manufacture	MFR
		Frequency	FR	Maximum	MAX
		Fresh Water	F	Meter	M
		Front	FO	(instrument or measurement)	
		Fuel		Miles	MI
		Fuel Oil			

Miles/Hour	MPH	Quantity	QTY	Triple Pole Double Throw	3PDTSW
Milliampere	MA	Quart	QT	Switchboard	SWBD
Milligram	MG	- R -		Symbol	SYM
Millimeter	MM	Radio Frequency	RF	System	SYS
Million (See Note)	M	Radius	R		
Minimum	MIN	Railroad	RR	- T -	
Minute	' or MIN	Railway	RY	Tabulate	TAB
Model	MOD	Reactor	REAC	Telegraph	TLG
Motor	MOT	Receiver	REC	Telephone	TEL
Motor Generator	MG	Receptacle	RECP	Terminal	TERM
Multiple	MULT	Rectifier	RECT	Thousand (See Note)	K
Multiple Contact	MC	RED	RED	Throttle	THROT
Noon (Mid-day)	M	Refrigerate	REFR	Through	THRU
- N -		Regulator	REG	Ticket	TKT
Negative	- or NEG	Relay	REL	Time	T
Network	NET	Release	REL	Toggle	TGL
Neutral	NEUT	Remote Control	RC	Tower	TWR
Noon	M	Repeating	RPTG	Track	TK
Normal	NOR	Resistance	RES	Train	TRN
North	N	Resistor	RES	Transfer	TRANS
Not to Scale	NTS	Reverse	REV	Transformer	TRANS
Number	# or NO.	Revolution	REV	Transmitter	XMTR
- O -		Revolutions/Minute	RPM	Transportation	TPN
Obsolete	OBS	Revolutions/Second	RPS	Trip Coil	TC
Ohm	OHM	Rheostat	RHEO	Triple Pole Switch	SPSW
Operate	OPR	Right	RT	Triple Pole Single Throw	SPSTSW
Orange	ORN	Right Hand	RH	Triple Pole Double Throw	3PDTSW
Original	ORIG	Right of Way	R/W	Trunk	TRK
Oscillate	OSC	Ringing	RING.	Turn Table	TT
Ounce	OZ	Road	RD	- U -	
Outgoing	OUT.	Rotary	ROT.	Ultra High Frequency	UHF
Outlet	OUT.	Route	RTE	Universal	UNIV
Output	OUT.	- S -		Up	UP
Outside Diameter	OD	Schedule	SCH	- V -	
Outside Radius	OR	Schematic	SCHEM	Vacuum	VAC
Overload	OVL	Screw	SCR	Vacuum Tube	VT
Overvoltage	OVV	Second (ary)	SEC	Variable	VAR
- P -		Section	SECT	Versus	VS
Page	PG	Segment	SEG	Vertical	VERT
Pair	PR	Select	SEL	Vibrate	VIB
Panel	PNL	Selsyn	SELS	Volt	V
Parallel	or PAR.	Sequence	SEQ	Voltage Relay	VR
Part	PT	Series	SER	Voltampere	VA
Passenger	PSGR	Shop Order	SO	Voltmeter	VM
Permanent Magnet	PM	Shunt	SH	Volume	VOL
Perpendicular	┐ or PERP	Siding	SDG	- W -	
Pickup	PU	Signal	SIG	Warehouse	WHSE
Pilot	PLT	Single	S	Water Plug	WP
Pint	PT	Sketch	SK	Water Tank	WT
Plate	PL	Slow Release	SR	Water Tower	WT
Plug	PL	Solder	SLD	Watt	W
Point	PT	Solenoid	SOL	Watt Hour	WHR
Point of Comp. Curve	PCC	South	S	Watt Hour Meter	WHM
Point of Curve	PC	Spare	SP	Watt Meter	WM
Point of Frog	PF	Speaker	SPKR	Week	WK
Point of Intersection	PI	Special	SPL	Weight	WT
Point of Reverse Curve	PRC	Specification	SPEC	West	W
Point of Spiral Tangent	PST	Speed	SP	Wheelbase	WB
Point of Switch	PS	Spring	SPG	White	WHT
Point of Tangent	PT	Square	SQ	Width	W
Polar (ized)	POL	Standard	STD	Wire	W
Pole	P	Station	STA	Wire Way	WW
Positive	+ or POS	Stock	STK	- Y -	
Potential	POT	Straight	STR	Yard	YD
Potentiometer	POT	Street	ST	Year	YR
Pound	LB	Substation	SUB STA	Yellow	YEL
Pounds/Square Inch	PSI	Superimposed Current	SC		
Power	PWR	Superintendent	SUPT	NOTE: "K" will be the new symbol for 1000. It is derived from Kilo; ie., Kilovolt equal 1000 volts. Example: 50 KV equals 50 thousand volts.	
Power Amplifier	PA	Supplement	SUPP		
Power Factor	PF	Switch	SW		
Power House	PH	Single Pole	SPSW		
Primary	PRI	Single Pole Single Throw	SPSTSW		
Proposed	PROP	Single Pole Double Throw	SPDTSW		
Protection	PROT	Double Pole	DPSW	"M" will be new symbol for million. It is derived from Mega; ie., Mega-cycle equal 1,000,000 cycles. Example: 50 MC equals 50 million cycles.	
Public Address	PA	Double Pole Single Throw	DPSTSW		
Push Button	PB	Double Pole Double Throw	DPDTSW		
- Q -		Triple Pole	3PSW		
Quality	QUAL	Triple Pole Single Throw	3PSTSW		