NMRA RECOMMENDED PRACTICES

ABBREVIATIONS For Use on Drawings

Issued as Data Sheet Mar.1950 Reclassified as RP Jan.1957

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)

Abbreviate ABBR Circuit Breaker CKT Gaylor Gaylor GAL Alarm ALM Clear CLR Gallons GAL Alarm ALM Common ALM Common CCM Generator GAM GAM Common CCM Garactor GAM GAM Cammon GAM Cammon CCM Garactor GAM GAM Cammon GAM Cammon CCM Garactor GAM Cammon CCM Cammon CCM Gam Cammon CCM Gam CCM Cammon CCM Gam CCM Cammon CCM Cammon CCM Cammon CCM CCM Cammon CCM CCM Cammon CCM CCM CCM Cammon CCM	- A -		Centralized Traffic	Control CTC	- G -	
Alernating Current		ABBR	Circuit	CKT		GA
Alternating Current		_		_		
Amber						
Ammerican Wire Gage						
Ammeter						
Ampere Hour AMP AMP LANGE Conductor of COND COND Grave Line (CNL) Ampere Turn GE (CN) Conductor Multiple (CND) Grave Line (CND) Grave Li			-			_
Ampere Hour AMP HR Conductor Woltiple COND Gravity GV Ampelfier AMP Conductor Multiple 37C Gravity GR Amplifier AMN Conduct (ion) CONN Ground GRN Annauciator ANT Contact CONT Hand Control HC Approach Lighting APF Control (ler) CONT Hand Gontrol HG Approved APFD Control (ler) CONT Hand Gontrol HG Approximate APPROX Cross (ing) X High Prequency HF Area APROX Cross Connection X-ONN Height Vage HF Area Drain AD Cross Connection X-ONN Home HF Assembles ASSM Cyross Connection X-ONN Home HF Assemble ASSM Current CUR Inches/second HF Assemble ASSM Current DEC Inches/second Inches/second <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<>						
Ampere Turn						_
Amplifier AMPL Conduit CND Green GRN Annunciator ANN Connect (10n) CONT Ground GNN Apartment APT Contact CONT Hand Control HC Approach Lighting APF Control (1er) CONT Hand Generator HG Approved APPD Control (1er) CONT Hand Generator HG Approximate APPROX Cross (1ng) X High Prequency HF Area A Cross (2ng) X High Prequency HF Area A Cross Connection X-CONN Home H Area AR Cross Connection X-CONN Home H Area AR Crystal X-D Home H Area ARS Current CU Indicaton Indicaton Assembly ASS Cut-out CO Indicaton Indicaton Assidation AR Cry	-					
Annunciator ANN Connect (ion) CONN Ground GNN Apartment APT Container CONTR Hand Control HC Apparatus APP Continue CONT Hand Generator HG Approvable APPD Coupling CONT Height requency HF Approvable APPD Coupling CPUE High Frequency HF Approximate APPD Cross (ing) XX High Frequency HF Area A Cross (ing) XX High Frequency HF Area A Cross Connection XX-CRN High Frequency HF Area AR Cross Connection XX-CRN Hours HF Assemble ASSE Current CUR CO Ignition	-		-		_	
Apartment	-					
Apparatus APF continue CONTR land Control Hand Generator HG Beyproach Lighting APL countrol (ler) CONT land (leght) HG High trequency HG Beyproach Lighting APL countrol (ler) CONT leight HG High trequency HG High trequency HG High trequency HG High trequency HG High Voltage HWY Approximate APPEOX Cross (ing) X - APM High woltage HWY Area AD Cross Connection X - CONN Hone on the High woltage HWY Area ARD Cross Connection X - CONN Horsepower HWY Area ARSE Crystal XTAL Horsepower HB Assemble ASSE Current CUR Horsepower HB Assemble ASSE Current CUR Horsepower HB Assemble ASSE Current CUR Lidentity LIDENT Assemble ASSE Cycles/Second CPS Inductance ID Authorised ADTH Decinal DECAL Inductance </td <td></td> <td></td> <td>, ,</td> <td></td> <td></td> <td>GIVE</td>			, ,			GIVE
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Approach Lighting API Approximate APPE Coupling CCONT Height Frequency HFG High Woltage HFW High Wol HFW HIGH	-					
Approximate	= =	APL	Control (ler)	CONT	Height	HGT
Area A	Approved	APPD	Coupling	CPLG	High Frequency	HF
Armature	Approximate	APPROX	Cross (ing)	X	High Voltage	HV
Armature	Area	A	Cross Arm	X-ARM	Highway	HWY
ASSEMBLIE	Area Drain	AD	Cross Connection	X-CONN	Home	H
ASSEMBLOOK ASSEM Current CUR Identity IDENT Assembly ASST Cycle CC Inch IGN Assistant ASST Cycle CC Inch IGN Assistant ASST Cycle CC Inch Inches/Second IEN Association ASST Cycle CC Inch Inches/Second IEN Association ASST Cycle CC Inch Inches/Second IEN Attach ATT Cycle CC Inch Inches/Second IEN Authorised AUTH Decalcomania DECAL Inside Diameter INST Audhorised AUTH Department DEPT Insulate INST Authorised AUTH Department DEPT Insulate INST Authomatic AUTH Department DEPT Department DEPT Department DEPT Department DEPT Authomatic AUTH Department DEPT Dunction DEPT		ARM	Crossover	X-O	Horsepower	HP
Assembly ASST Cut Out CO Ignition IGN Assistant ASST Cycle CY Inche "or IN Association ASSN Cycles/Second CPS Inches/Second IPS Attach ATT - D - Inches/Second IPS Audible AUT Decimal DECL Inches/Second IPS Audible Frequency AF Decimal DECT Instrument INST Automatic AUTO Diagram DIAG Interlock INTLK Automatic Train Control AVC Diagram DIAG Interlock INTLK Avenue B- AVE Distance DIST Jack JK Avenue B- BC Double Pole Switch DPSV Journal JUT Back Connected BE Double Pole Switch DPSV Junction Box JUT Back Connected BE BE Double Pole Switch DPSV Junction Box JUT <			-			
Assistant ASST Cycle CY Inches/Second "or IN Association ASSN Cycles/Second CPS Inches/Second IP Attach AIT - D - BIN Inductance I Audio Frequency AF Decimal DECAL Instrument INST Authorised AUTH Department DEPT Instrument INST Automatic AUTO Diagram DIAG Instrument INST Automatic Train Control ATC Diameter DIA Inverse INV Avenue AVE Diameter DIA Inverse INV Avenue BC Double Pole Switch DPST Jack JX Back Connected BF Double Pole Double Throw DPDT Junction Box JX Back Feed BF Double Pole Switch DPST Junction Box JCT Balance BF Double Pole Switch DPST Junction Box JCT <					-	
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Back Connected BC Double Pole Switch DPSW Journal JNL Back Feed BF Double Pole Double Throw DPST Junction JCT Balance BAL Double Pale Single Throw DPST Junction Box JB Ball Bearing BB Feet Second FFD Kilowatt KW Brown & Sharpe BKR Feet Second FFD Limit Switch LS Buzzer BUZ Figure Filament Fild Capacitor CAP Foot Pounds '# or FT LB Capacitor CAP Foot Pounds '# or FT LB Capacitor CAP Foot Pounds '# or FT LB Capacitor CRI Fresh Water FR Canter CRI FFO Maximum MAX Center Lime Wax Maximum MAX Carbon Canter Capacitor Capa Front Carload Catter Capacitor Capa Front Canter Capacitor Capa Front Canter Capacitor Capacitor Capa Front Canter Capacitor		2172				
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Ball Bearing BB BEL Each BA Key K KB Assement BSMT East E Kilo K K Battery BAT Electric ELEC Kilocycle KC Bill of Material B/M Emergency EMER Kilogram KG Black BLK Engine ENG Kilometer KM Block BLK Engine ENG Kilowatt KV Blue BLU Engineer ENGR Kilowatt KW Board BD Entrance ENT Thousand K Breaker BKR Feed Water Brown BRN Feed Water Brown BRN Feed Water Brown BRN Feed Water Brown BRN Feet/Second FPS Light LT Button BUT Field FPM Length LG Buzzer BUZ Figure FIG Limit Switch LS Buzzer BUZ Figure FIG Line LN Call On CO Fluorescent FLC Look LK Call On CO Fluorescent FLC Look LK Candel Power CP Foot 'or FT Lnductance L Capacitor CAP From Prome FRM Carload CL Freight FRM Magnet MAG Cast Iron CI Frequency FREQ Manufacture MFR Cement CEM Fresh Water FRM Meximum MAX Center Line C TREAD MAIN MAX			Double Pole Double	Throw DPDT		
Barrel BBL Each EA Key K Basement BSMT East E Kilo K Battery BAT Electric ELEC Kilocycle KC Bill of Material B/M Emergency EMER Kilogram KG Black BLK Engine ENG Kilometer KM Block BLK Engine House EH Kilovolt KV Blue BLU Engineer ENGR Kilowatt KW Board BD Entrance ENT Thousand K Breaker BRR -FL- Brown BRN Feed Water FW Left L Brown & Sharpe B&S Feet/Minute FPM Length LG Brush BR Feet/Second FPS Light LT Button BUT Field FLD Limit Switch LS Buzzer BUZ Figure FIG Line LN Cable CA Filter FLL Loock LK Cable CA Filter FLL Long LW Candle Power CP Foot 'or FT Inductance L Capacity CAP Frame FR Capacity CAP Frequency FREQ Manufacture MAG Cast Iron CI Frequency FREQ Manufacture MFR Center Line C FREQ MAKER MAXING MAX Center Line C FREQ Maximum MAX Center CTR Front FR Meter M Cinstrument or measurement)	Balance	BAL	Double Pale Single	Throw DPST	Junction Box	JB
Basement BSMT East E Kilo K Battery BAT Electric ELEC Kilocycle KC Bill of Material B/M Emergency EMER Kilogram KG Black BLK Engine ENG Kilometer KM Block BLK Engine House EH Kilovolt KV Blue BLU Engineer ENGR Kilowatt KW Board BD Entrance ENT Thousand K Breaker BKR -F	Ball Bearing	BB	– E –		- K -	
Battery Battery Bill of Material B/M Emergency EMER Kilogram KG Kilometer KM Black BLK Engine House BLK Engine House BLU Engineer ENG Kilowatt KW Blue BLU Engineer ENG Kilowatt KW Board BD Entrance ENT Thousand K Breaker BKR -F- Brown BRN Feed Water Brown BRN Feed Water Brush BR Feet/Second BUT Field FILD Button BUT Field FILD Buzzer BUZ Figure FILD Cable Call On CO Fluorescent Capacitor Capacitor Capacity Capacity Carload CL Freight Center Line EMER Kilocycle KC Kilocycle KK Kilocycle KC KI KO MA KB BEN Feet/Second ENT Thousand F L Left L Locy Left L Logh Limit Switch LS LS LIGH Line LN LN LS	Barrel	BBL	Each	EA	Key	K
Bill of Material B/M Emergency EMER Kilogram KG Black BLK Engine ENG Kilometer KM Block BLK Engine Ose EH Kilovolt KV Blue BLU Engineer ENGR Kilowatt KW Board BD Entrance ENT Thousand K Breaker BKR -FL- Brown BRN Feed Water FW Left L Brown & Sharpe B&S Feet/Minute FPM Length LG Brush BR Feet/Second FPS Light LT Button BUT Field FLD Limit Switch LS Buzer BUZ Figure FIG Line LN Cable CA Filter FIL Lock LK Cable CA Filter FIL Lock LK Candle Power CP Foot or FI Inductance L Capacitor CAP Foot Pounds '# or FI LB Pound LB Capacity CAP Frame FR Agnet Magnet MAG Cast Iron CI Freight FRT Magnet MAG Cast Iron CI Fresh Water FR Maximum MAX Center CTR Front FR Meter M Cinstrument or measurement) BIL Emergency FREQ Manufacture MAG Center Line G Fuel FR Maximum MAX Center CTR Front FR Meter M Meter MAG Center Line G Fuel FR Maximum MAX Center CTR Front FR Meter M Meter MAG Center Line G Fuel FR Maximum MAX Center CTR Front FR Meter M Meter MAG Center Line G Fuel FR Maximum MAX Center CTR Front FR Meter M Meter MAG Center Line G Fuel FR Maximum MAX Center CTR Front FR Meter M Meter MAG Center Line G Fuel FR Maximum MAX Center CTR Front FR Meter M Meter MAG Center Line G Fuel FR Maximum MAX Center CTR Front FR Meter M Meter MAX Center CTR Front FR Meter M Maximum MAX Center CTR Front FR Meter M Meter M MAX Center CTR Front FR Meter M Meter MAX Center CTR Front FR Meter M Meter M MAX Center CTR Front FR Meter M Meter	Basement	BSMT		E		K
Black Block BlK Engine House BlU Engineer Board Board Breaker BKR Breaker BKR BRN Feed Water Brown & Sharpe Brush Button					-	
Block Blue BLU Engineer BROGR						
Blue BLU Engineer ENGR Kilowatt KW Board BD Entrance ENT Thousand K Breaker BKR -F L - Brown BRN Feed Water FW Left L Brown & Sharpe B&S Feet/Minute FPM Length LG Brush BR Feet/Second FPS Light LT Button BUT Field FLD Limit Switch LS Buzzer BUZ Figure FIG Line LN Cable CA Filter FIL Lock LK Cable CA Filter FLT Long LG Call On CO Fluorescent FLUOR Low Voltage LV Candle Power CP Foot 'or FT Inductance L Capacitor CAP Foot Pounds '# or FT LB Pound LB Capacity CAP Frame FR -M - Carload CL Freight FRT Magnet MAG Cast Iron CI Frequency FREQ Manufacture MFR Cement CEM Fresh Water FW Maximum MAX Center Line ENGR Kilowatt KW Low K Low Lapt L Lock LK			_			
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$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$						
CableCAFilterFLTLongLGCall OnCOFluorescentFLUORLow VoltageLVCandle PowerCPFoot'or FTInductanceLCapacitorCAPFoot Pounds'# or FT LBPoundLBCapacityCAPFrameFR $-$ M $-$ CarloadCLFreightFRTMagnetMAGCast IronCIFrequencyFREQManufactureMFRCementCEMFresh WaterFWMaximumMAXCenterCTRFrontFRMeterMCenter Line φ FuelF(instrument or measurement)		202				
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Center Line Fuel F (instrument or measurement) For Miles True						
The local Collaboration of the local Collaborati	Center	CTR				
Centimeter CM Fuel Oil FO Miles MI		-				
	Centimeter	CM	ruel Oll	F.O.	MITES	M⊥

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)	М	Radius	R	2722	
Minimum	MIN	Railroad	RR	- T -	
Minute				Tabulate	TT A D
	' or MIN	Railway	RY		TAB
Model	MOD	Reactor	REAC	Telegraph	TLG
Motor	MOT	Receiver	REC	Telephone	\mathtt{TEL}
Motor Generator	MG	Receptacle	RECP	Terminal	TERM
Multiple	\mathtt{MULT}	Rectifier	RECT	Thousand (See Note)	K
Multiple Contact	MC	RED	RED	Throttle	THROT
Noon (Mid-day)	М	Refrigerate	REFR	Through	THRU
- N -	1-1	Regulator	REG	Ticket	TKT
	NIDO	_			
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
	# OI NO.				
- 0 -		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	OVLD	Screw	SCR	Vacuum Tube	VT
Overvoltage	OVV	Second (ary)	SEC	Variable	VAR
- P -	0 0 0	Section (dry)	SECT	Versus	VIIIC
	PG		SEG	Vertical	VERT
Page	_	Segment			
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
	or PERP	Siding	SDG	- W -	VOL
Perpendicular		9			THICH
Pickup	PU	Signal	SIG	Warehouse	WHSE
Pilot	PLT	Single	S	Water Plug	WP
Pint	PT	Sketch	SK	Water Tank	WT
Plate	$_{ m PL}$	Slow Release	SR	Water Tower	WT
Plug	$_{ m PL}$	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 Eurve	PF	Speaker	SPKR	Week	WK
		_			
Point of Intersection	PI	Special	SPL	Weight	WT
Point of Reverse Curve		Specification	SPEC	West	W
Point of Spiral Tanger		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				VD
		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
Power Amplifter	PA	Supplement	SUPP	for 1000. It is derived f	rom
Power Factor	PF	Switch	SW	Kilo; ie., Kilovolt equal	1000
Power House	PH	Single Pole	SPSW	volts. Example:	
Primary	PRI	Single Pole Single Thro		50 KV equals 50 thousand	volte
-	PROP			TO ITY CAUGID TO CHOUSAND	
Proposed		Single Pole Double Thre		"M"	70
Protection	PROT	Double Pole	DPSW	"M" will be new symbol fo	
Public Address	PA	Double Pole Single Th			
Push Button	PB			N Mega; ie., Mega-cycle equ	
- Q -		Triple Pole	3PSW	1,000,000 cycles. Example	
Quality	QUAL	Triple Pole Single Thr	cow 3PSTSV	V 50 MC equals 50 million	cycles.