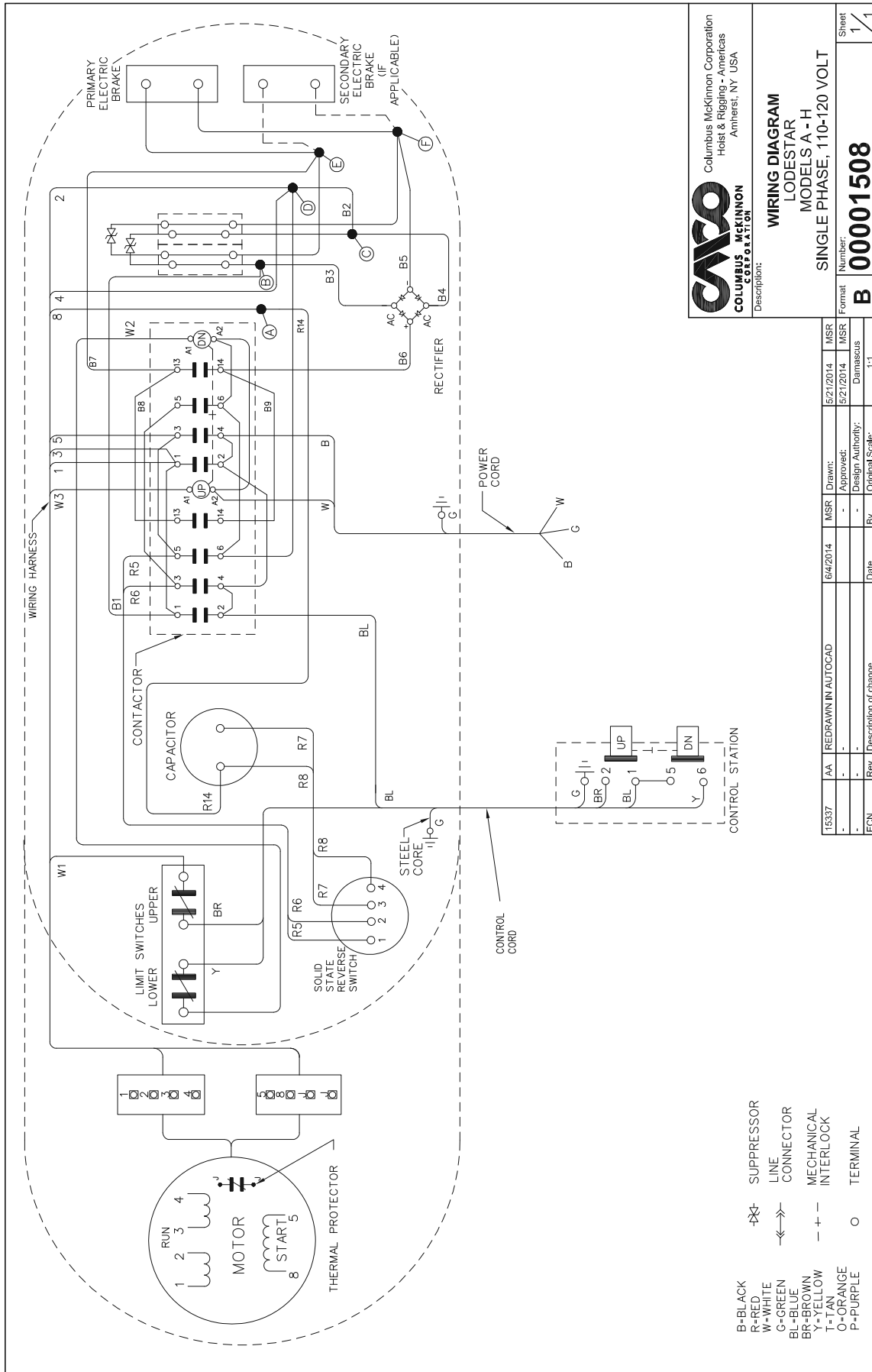


REFERENCE WIRING DIAGRAMS



CM
COLUMBUS MCKINNON CORPORATION
Amherst, NY USA

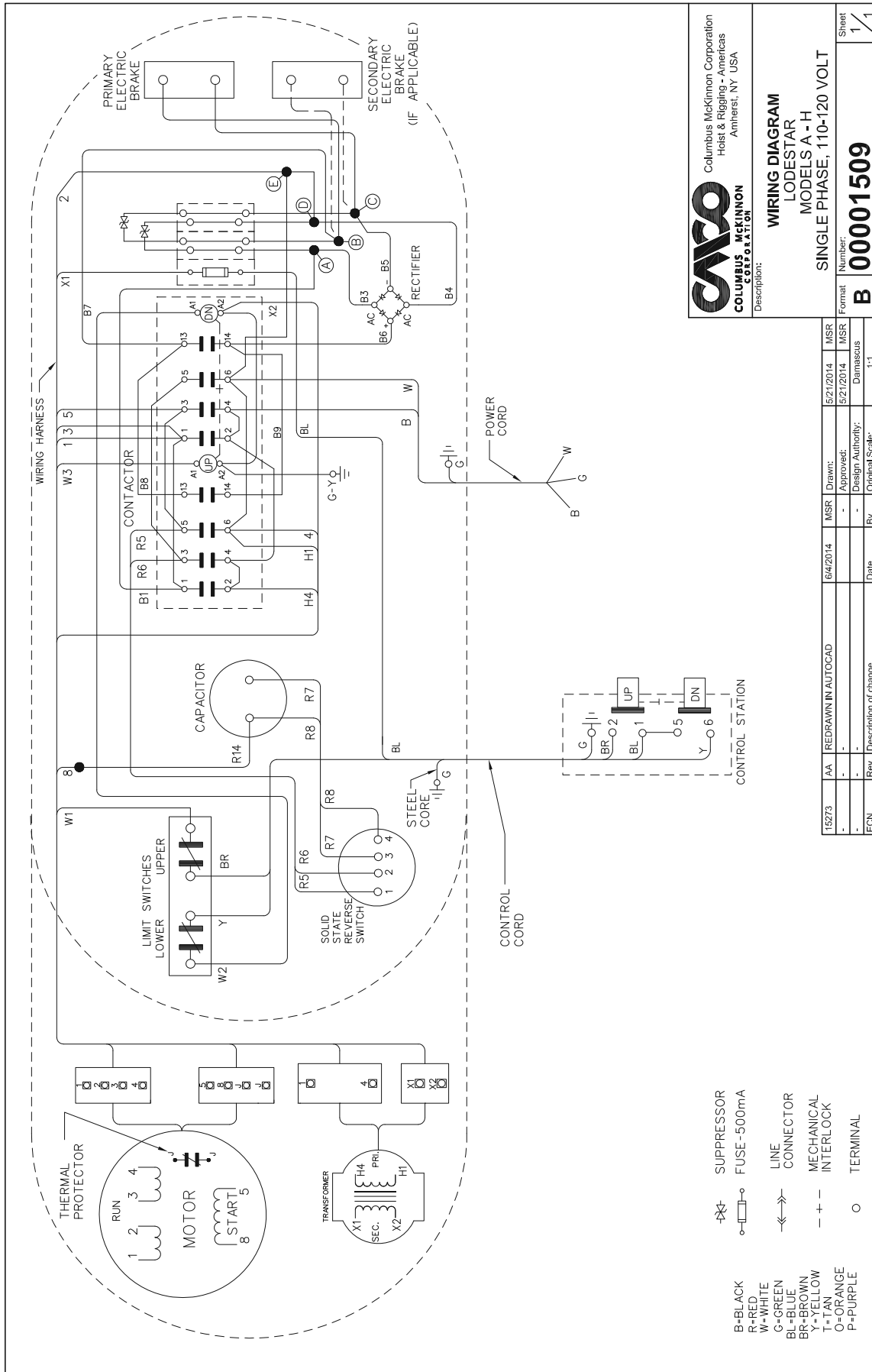
Columbus McKinnon Corporation
Hoist & Rigging - Americas
Amherst, NY USA

WIRING DIAGRAM
LODESTAR
MODELS A-H
SINGLE PHASE, 110-120 VOLT

Number: 1 / 1
Format: B
Description: 00001508

ECN	Rev.	Description of Change	Date	By	Design Authority:	MSR	MSR	MSR	MSR
15337	AA	REDRAWN IN AUTOCAD	6/4/2014	-	Approved:	5/21/2014	5/21/2014	MSR	MSR
-	-	-	-	-	Design Authority:	-	-	Damascus	-
-	-	-	-	-	Original Scale:	-	-	1:1	-

REFERENCE WIRING DIAGRAMS



CM
COLUMBUS MCKINNON CORPORATION
 Columbus McKinnon Corporation
 Hoist & Rigging - Americas
 Amherst, NY, USA

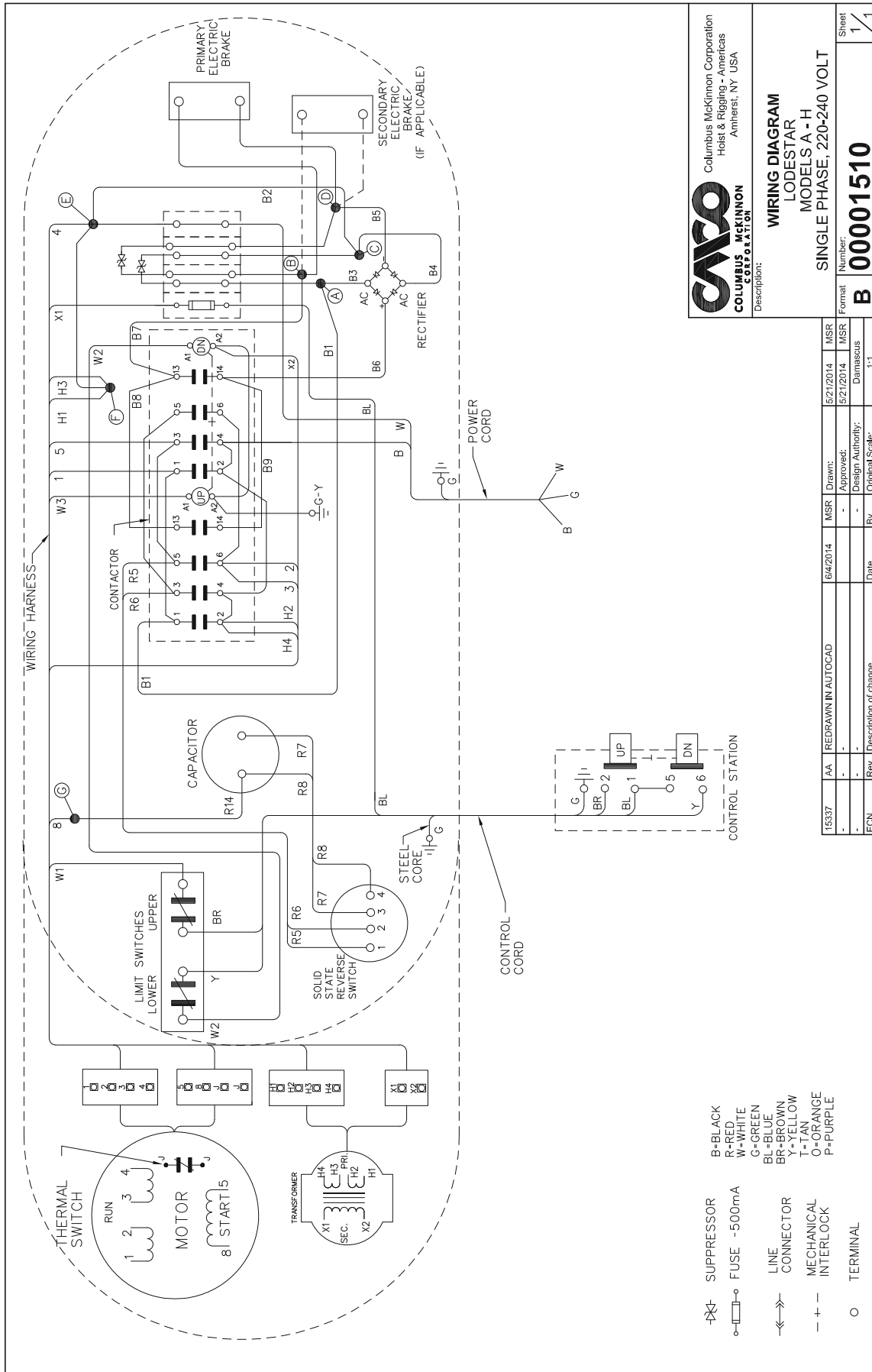
WIRING DIAGRAM
LODESTAR
MODELS A - H
 SINGLE PHASE, 110-120 VOLT

Number: **00001509**
 Format: **B**
 Sheet: **1** / **1**

15273	AA	REDRAWN IN AUTOCAD	MSR	Drawn:	5/21/2014	MSR
-	-	-	-	Approved:	5/21/2014	MSR
-	-	-	-	Design Authority:	Damascus	1:1
ECN	Rev.	Description of Change	Date	By	Original Scale:	

- B=BLACK
 - R=RED
 - W=WHITE
 - G=GREEN
 - BL=BLUE
 - BR=Brown
 - Y=Yellow
 - T=Tan
 - O=Orange
 - P=Purple
- |— SUPPRESSOR
 - |— FUSE-500mA
 - |— LINE CONNECTOR
 - |— MECHANICAL INTERLOCK
 - TERMINAL

REFERENCE WIRING DIAGRAMS



CM
COLUMBUS MCKINNON CORPORATION
Amherst, NY USA

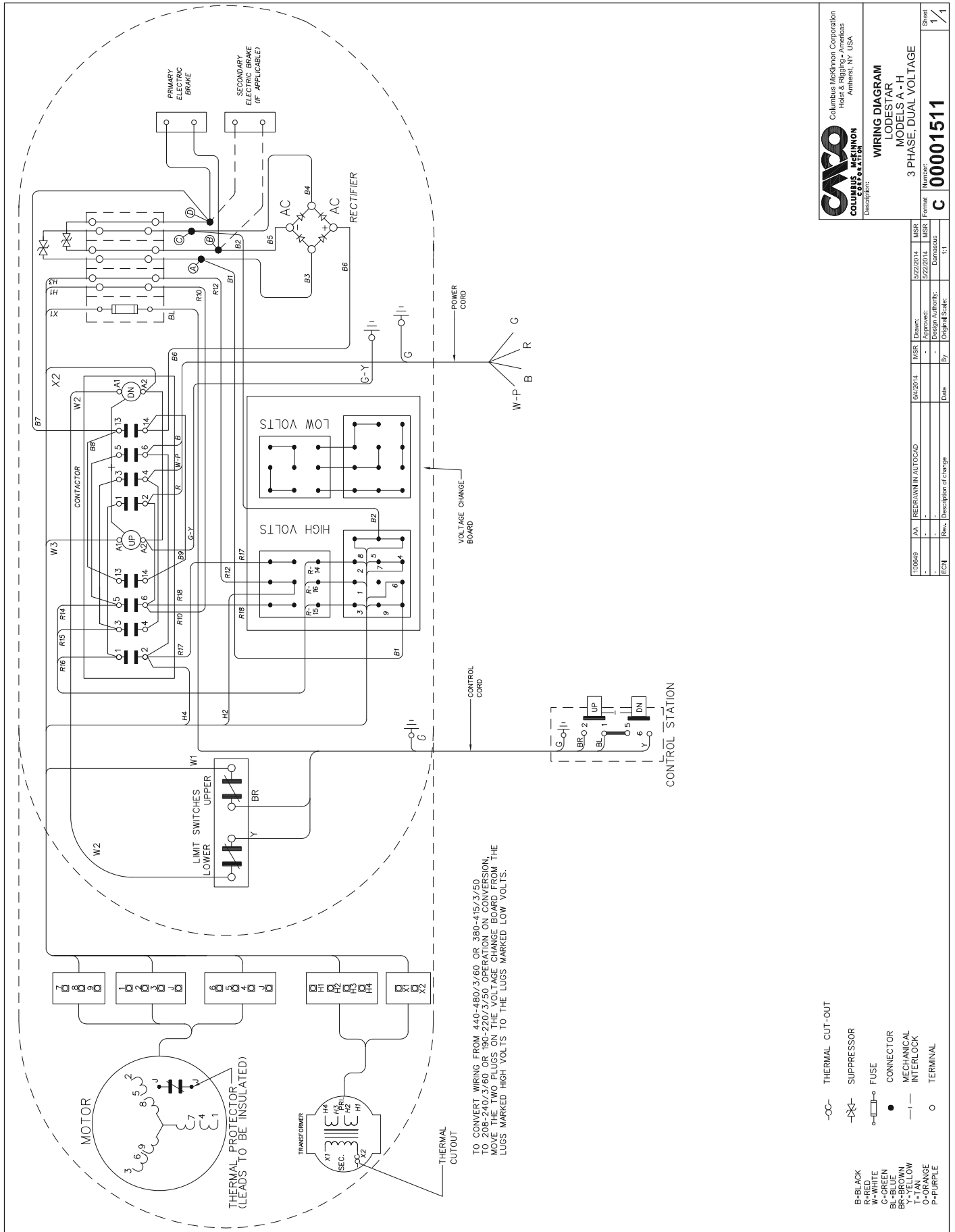
Columbus McKinnon Corporation
Hoist & Rigging - Americas
Amherst, NY USA

WIRING DIAGRAM
LODESTAR
MODELS A-H
SINGLE PHASE; 220-240 VOLT

Number: **00001510**
Format: **B**
Sheet: **1/1**

MSR	Drawn:	MSR	Approved:	MSR	Design Authority:	MSR	Damascus
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-	-	-	-	-	-	-	-
ECN	Rev.	1:1	Original Scale:				

REFERENCE WIRING DIAGRAMS



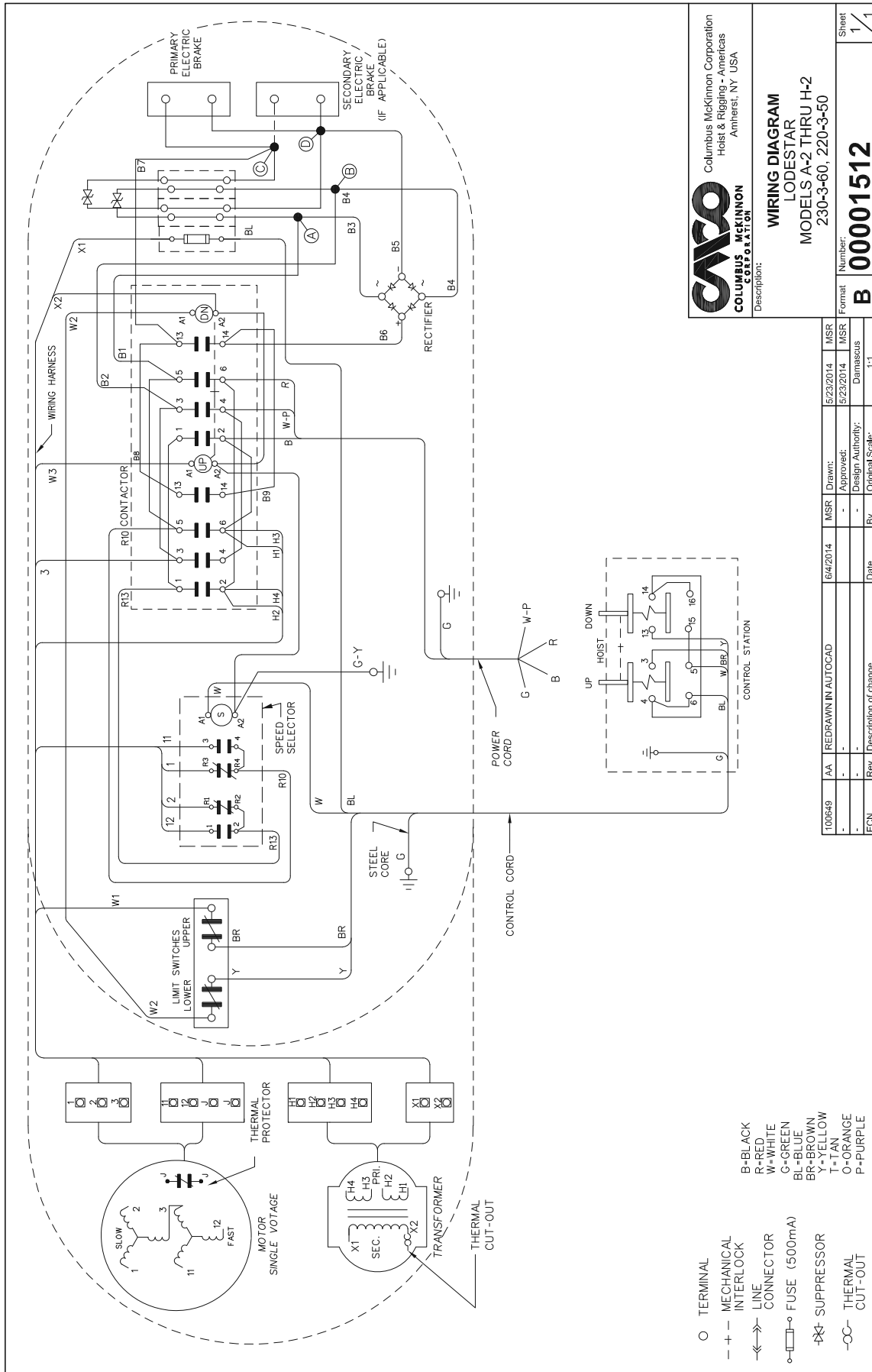
CMV
COLUMBUS MCKINNON CORPORATION
 Columbus McKinnon Corporation
 Huber & Ringling - Americas
 Amherst, NY, USA

WIRING DIAGRAM
 LODESTAR
 MODELS A - H
 3 PHASE, DUAL VOLTAGE

Number: **C 00001511**

Sheet 1/1

REFERENCE WIRING DIAGRAMS



CM Columbus McKinnon Corporation
 Hoist & Rigging - Americas
 Amherst, NY USA

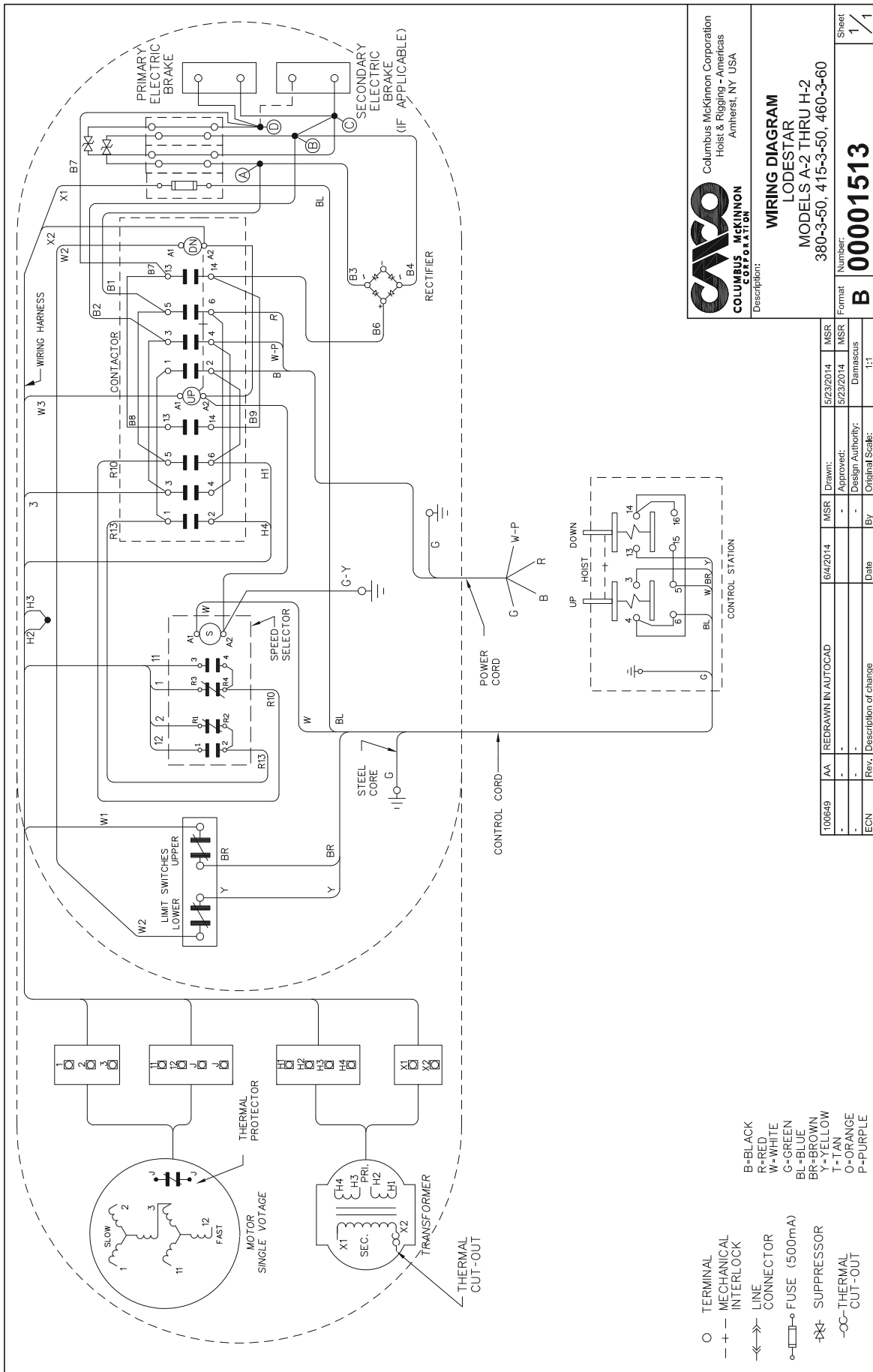
WIRING DIAGRAM
 LODESTAR
 MODELS A-2 THRU H-2
 230-3-60, 220-3-50

Number: **B 00001512**
 Format: **B**
 Sheet: **1 / 1**

MSR	Drawn:	MSR	Approved:	MSR	Design Authority:
5/23/2014	-	5/23/2014	-	Damascus	1:1
6/4/2014	By	6/4/2014	By	Date	Description of Change

- TERMINAL
- + MECHANICAL INTERLOCK
- ← LINE
- CONNECTOR
- FUSE (500mA)
- ⊗ SUPPRESSOR
- OC- THERMAL CUT-OUT
- B-BLACK
- R-RED
- W-WHITE
- G-GREEN
- BL-BLUE
- BR-BROWN
- Y-YELLOW
- T-TAN
- O-ORANGE
- P-PURPLE

REFERENCE WIRING DIAGRAMS



CMCO
COLUMBUS MCKINNON CORPORATION
 Columbus McKinnon Corporation
 Hoist & Rigging - Americas
 Amherst, NY USA

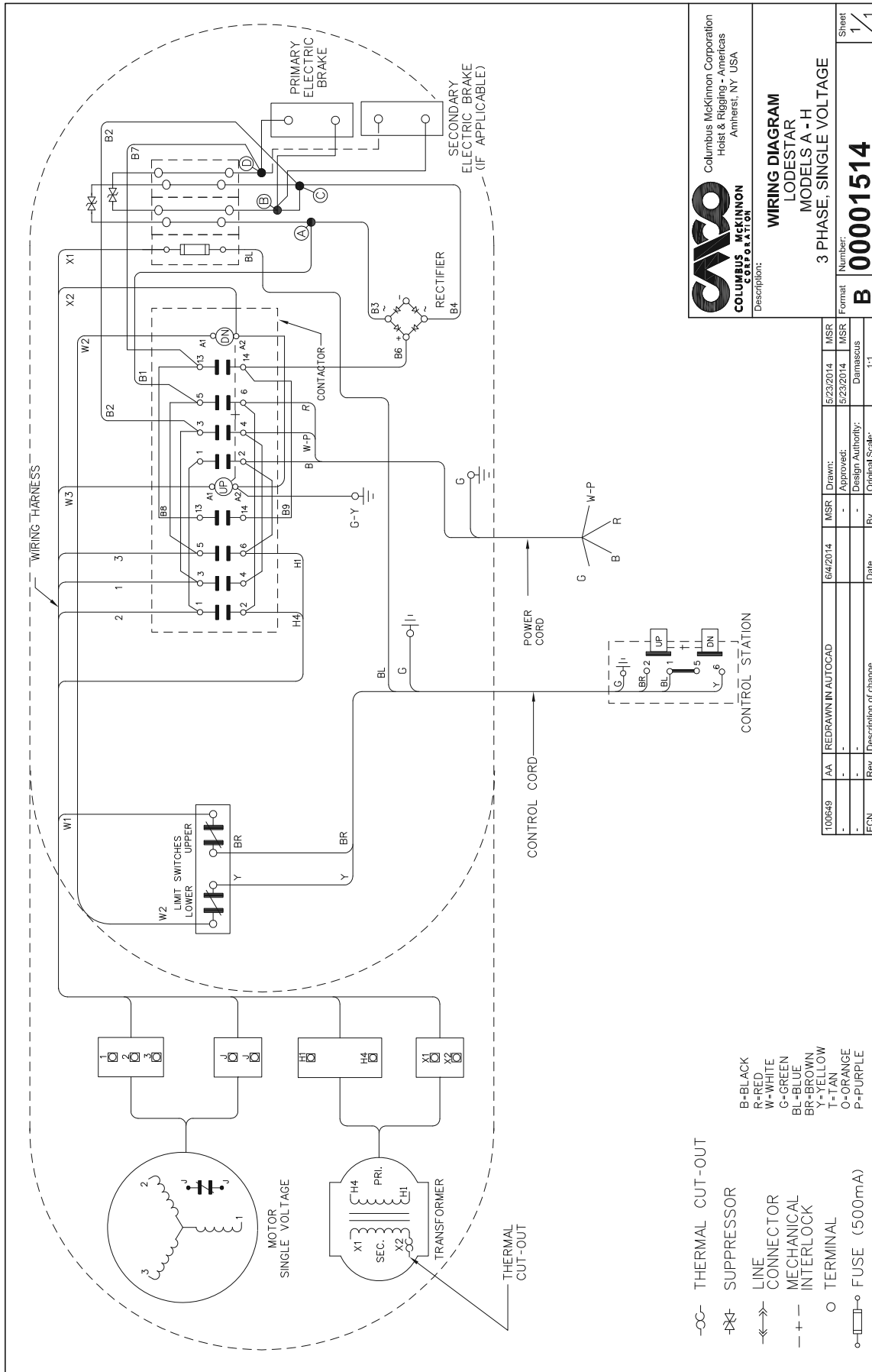
WIRING DIAGRAM
 LODESTAR
 MODELS A-2 THRU H-2
 380-3-50, 415-3-50, 460-3-60

Description: _____
 Number: _____
 Format: **B**
 Sheet: **1/1**

ECN	Rev.	Description of change	Date	By	Original Scale:
100649	AA	RE-DRAWN IN AUTOCAD	6/4/2014	MSR	1:1
-	-	-	-	Approved:	MSR
-	-	-	-	Design Authority:	MSR
-	-	-	-	Damascus	MSR

- TERMINAL
- + - MECHANICAL INTERLOCK
- ←→ LINE CONNECTOR
- FUSE (500mA)
- ⊕ SUPPRESSOR
- OC- THERMAL CUT-OUT
- B=BLACK
- R=RED
- W=WHITE
- C=GREEN
- B=BLUE
- BR=BROWN
- Y=YELLOW
- T=TRANCE
- O=ORANGE
- P=PURPLE

REFERENCE WIRING DIAGRAMS



CM
COLUMBUS MCKINNON CORPORATION

Columbus McKinnon Corporation
Hoist & Rigging - Americas
Amherst, NY, USA

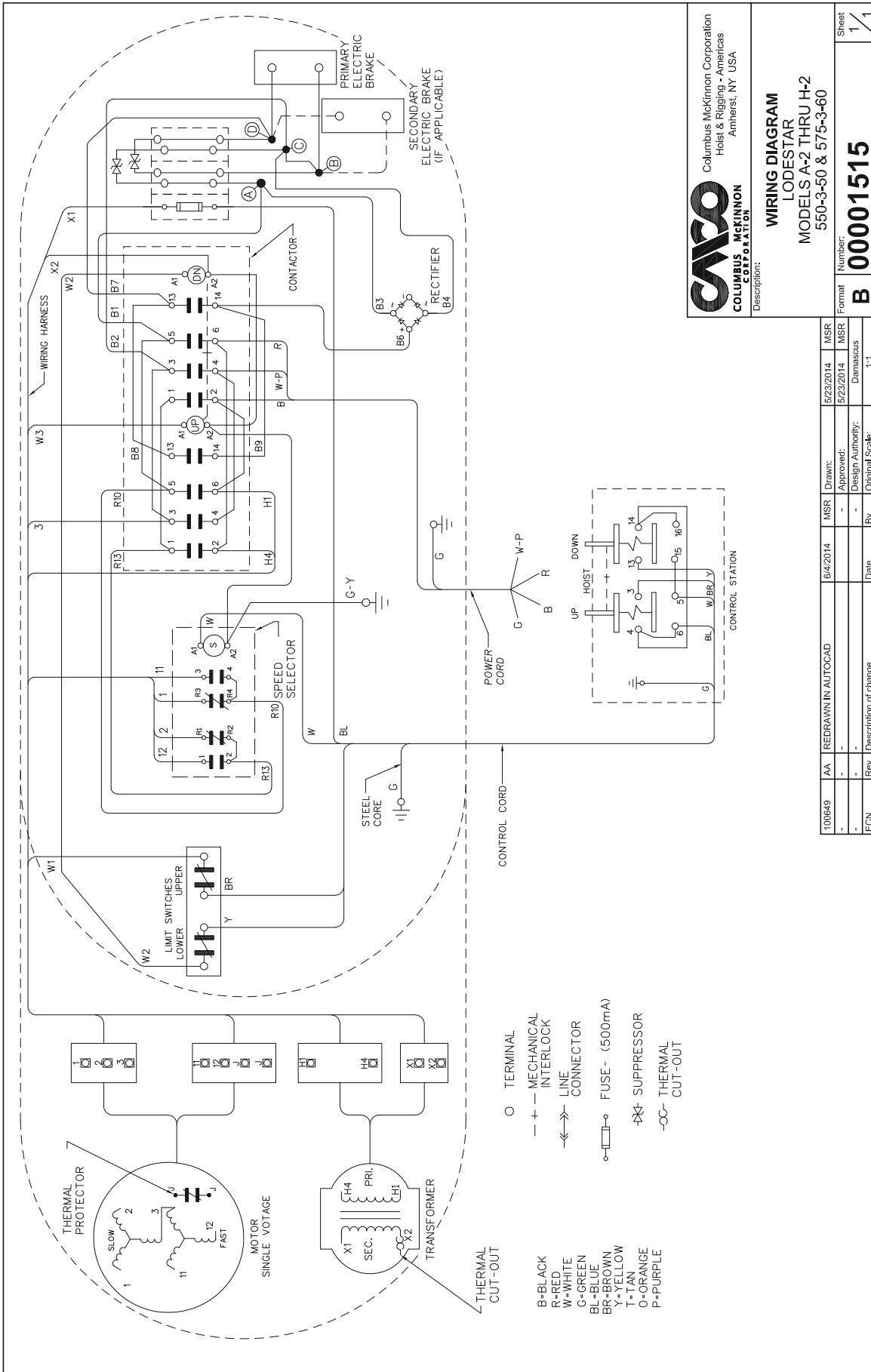
WIRING DIAGRAM
LODESTAR
MODELS A-H
3 PHASE, SINGLE VOLTAGE

Description: **B** 00001514

Number: 1/1
Format: B

ECN	Rev.	Description of Change	Date	By	MSR	MSR	MSR	MSR
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-	-	-	-	-	Design Authority:	Demascus	1:1	MSR
-	-	-	-	-	Original Scale:	-	-	-

REFERENCE WIRING DIAGRAMS

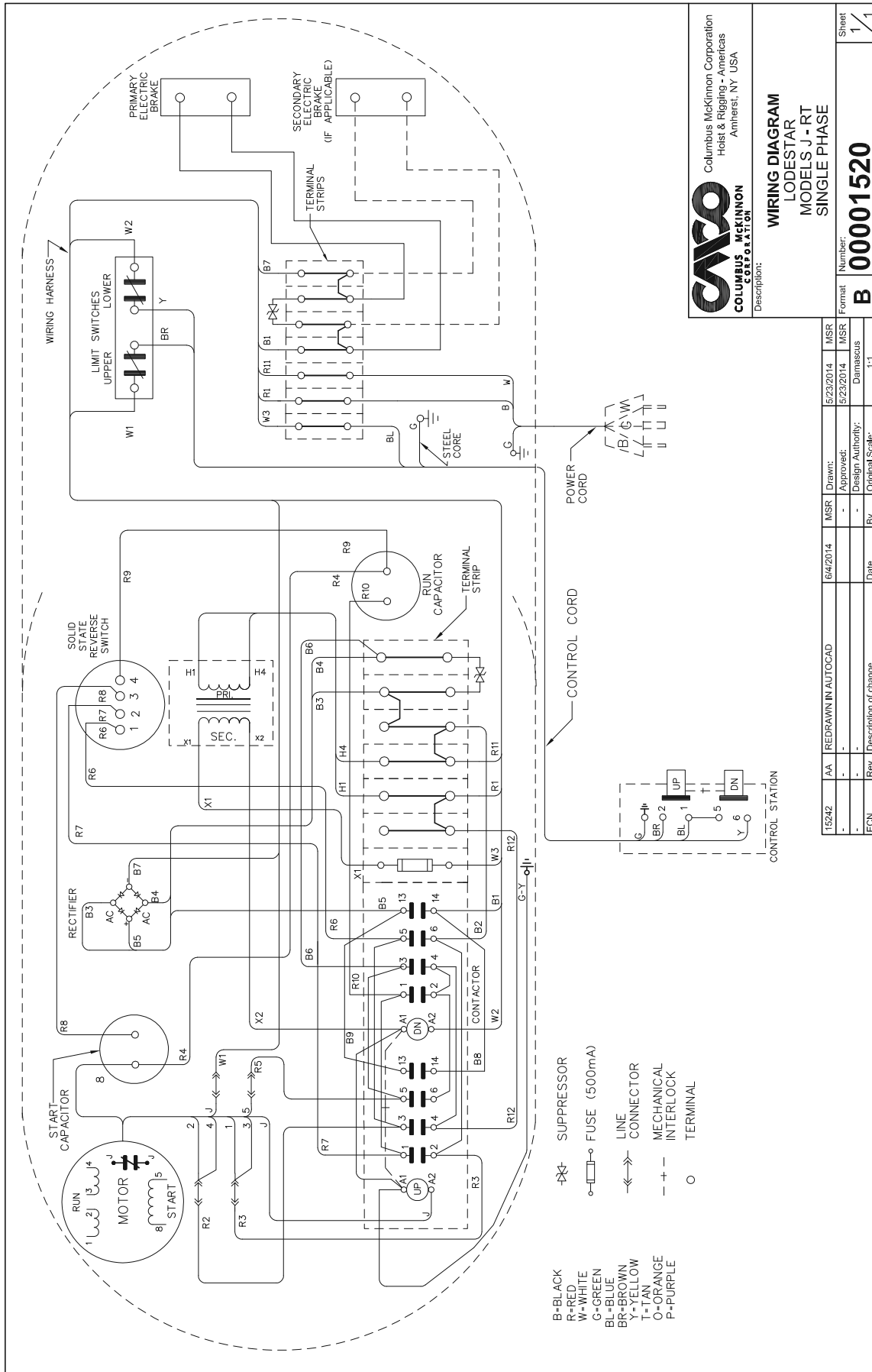


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Holist & Rigging - Americas
Amherst, NY USA

WIRING DIAGRAM
LODESTAR
MODELS A-2 THRU H-2
550-3-50 & 575-3-60

100649	AA	REDRAWN IN AUTOCAD	6/4/2014	MSR	Drawn:	5/23/2014	MSR	Sheet	1 / 1
-	-	-	-	MSR	Approved:	5/23/2014	MSR	Format	B
-	-	-	-	-	Design Authority:	-	Damasius	Number	00001515
-	-	-	-	-	Date	-	-	Original Scale:	1:1
ECN	Rev.	Description of change		By					

REFERENCE WIRING DIAGRAMS



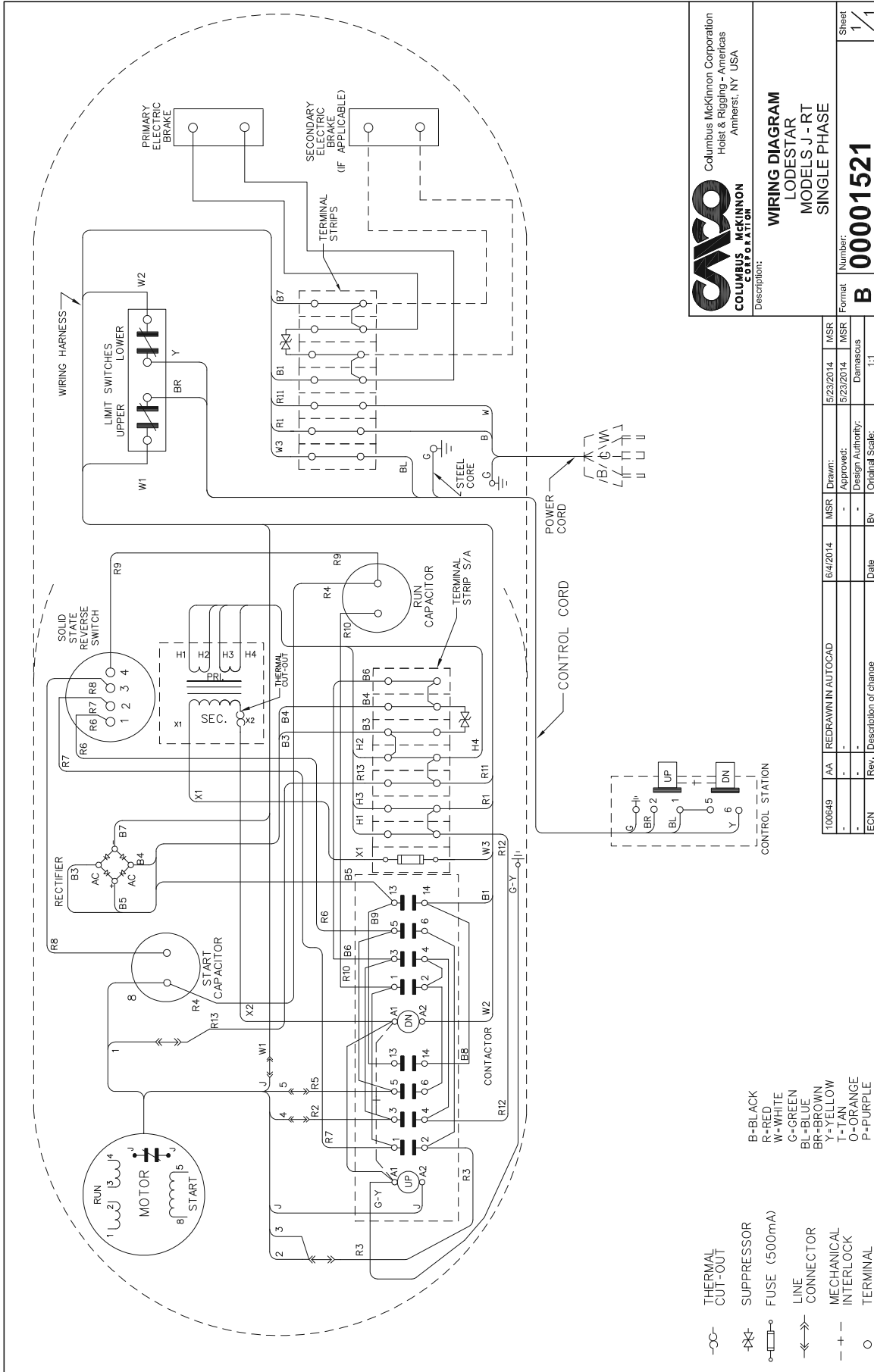
Columbus McKinnon Corporation
Hoist & Rigging - Americas
Amherst, NY USA

WIRING DIAGRAM
LODESTAR
MODELS J - RT
SINGLE PHASE

Sheet 1 / 1

Format B
Number 00001520

REFERENCE WIRING DIAGRAMS



CMCO
COLUMBUS MCKINNON CORPORATION
 Columbus McKinnon Corporation
 Hoist & Rigging - Americas
 Amherst, NY USA

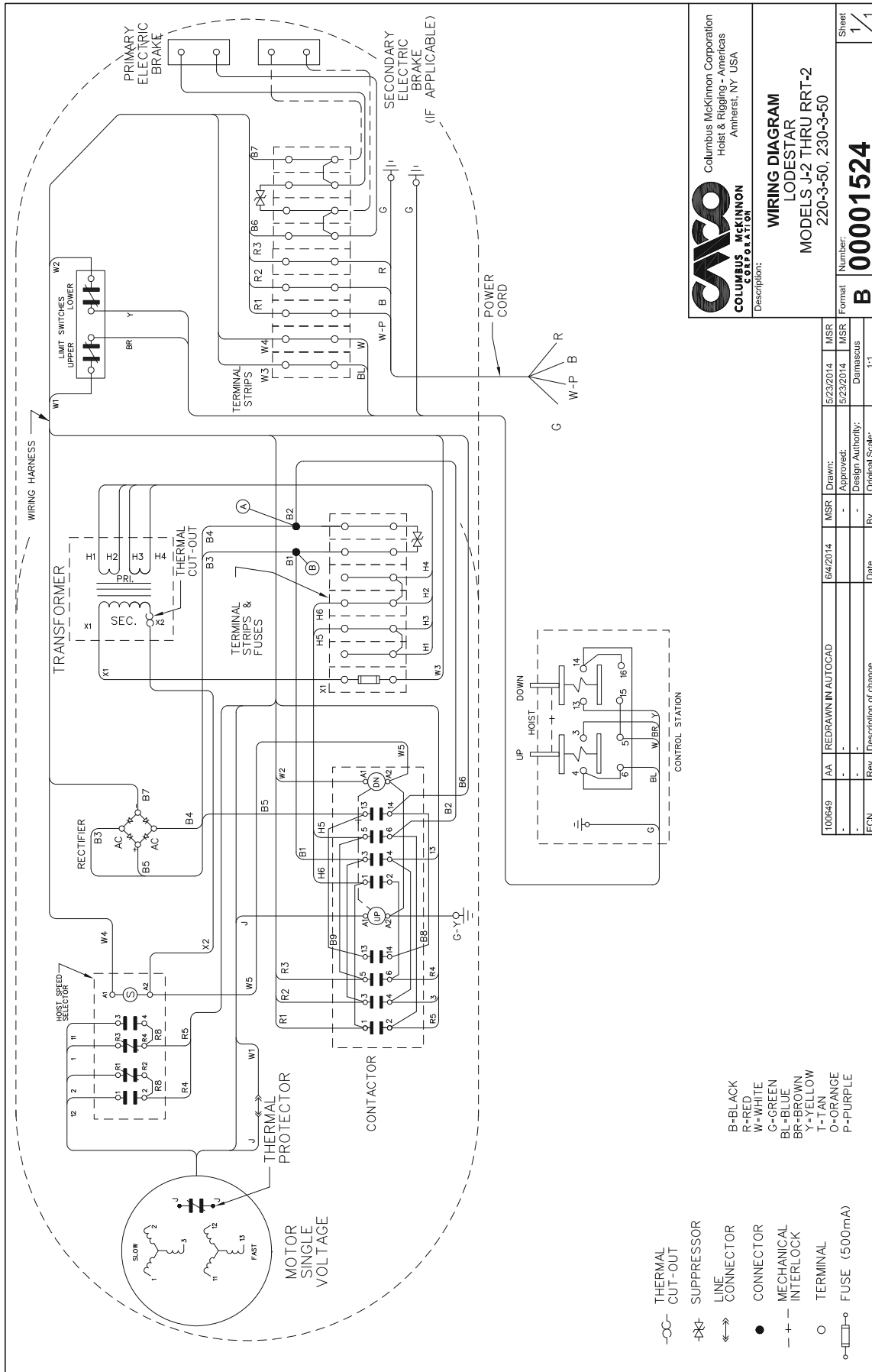
WIRING DIAGRAM
LODESTAR
MODELS J - RT
SINGLE PHASE

Number: **B 0001521**

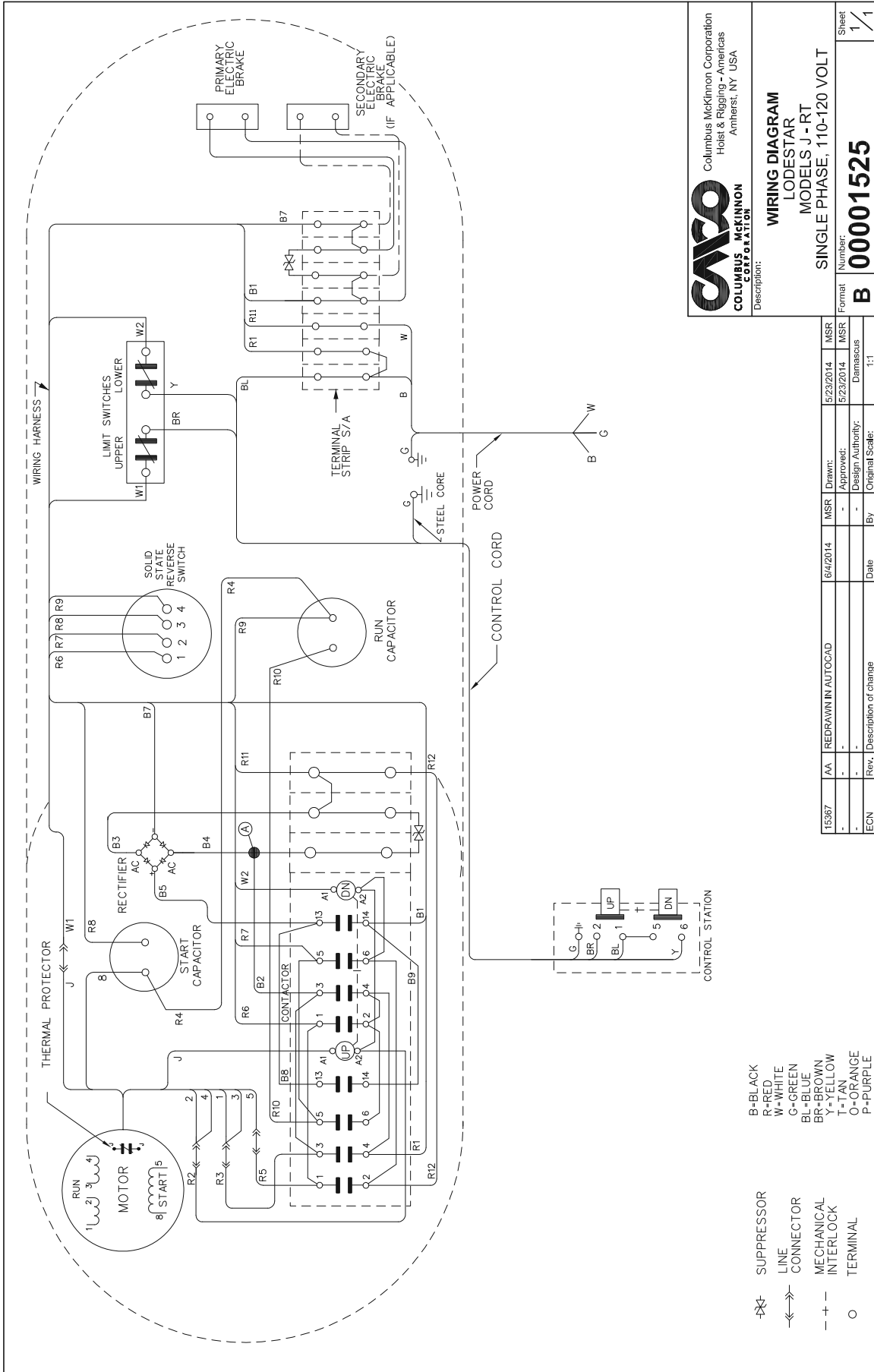
ECN	Rev.	Description of change	Date	By	Design Authority	Original Scale
100649	AA	REDRAWN IN AUTOCAD	6/4/2014			1:1

- THERMAL CUT-OUT
 - X— SUPPRESSOR
 - FUSE (500mA)
 - ↔— LINE CONNECTOR
 - +— MECHANICAL INTERLOCK
 - TERMINAL
- B-BLACK
 - R-RED
 - W-WHITE
 - G-GREEN
 - BL-BLUE
 - BR-BROWN
 - Y-YELLOW
 - O-ORANGE
 - P-PURPLE

REFERENCE WIRING DIAGRAMS



REFERENCE WIRING DIAGRAMS



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WIRING DIAGRAM
LODESTAR
MODELS J - RT
SINGLE PHASE, 110-120 VOLT

Number: **B 0001525**
 Format: **B**
 Sheet: **1/1**

MSR	Drawn	MSR	15367	6/4/2014	MSR	15367
5/23/2014	MSR	5/23/2014	MSR	REDRAWN IN AUTOCAD	MSR	REDRAWN IN AUTOCAD
5/23/2014	MSR	5/23/2014	MSR		MSR	
	Approved:					
	Design Authority:					
	By					
	Date					
	Original Scale:					
	1:1					

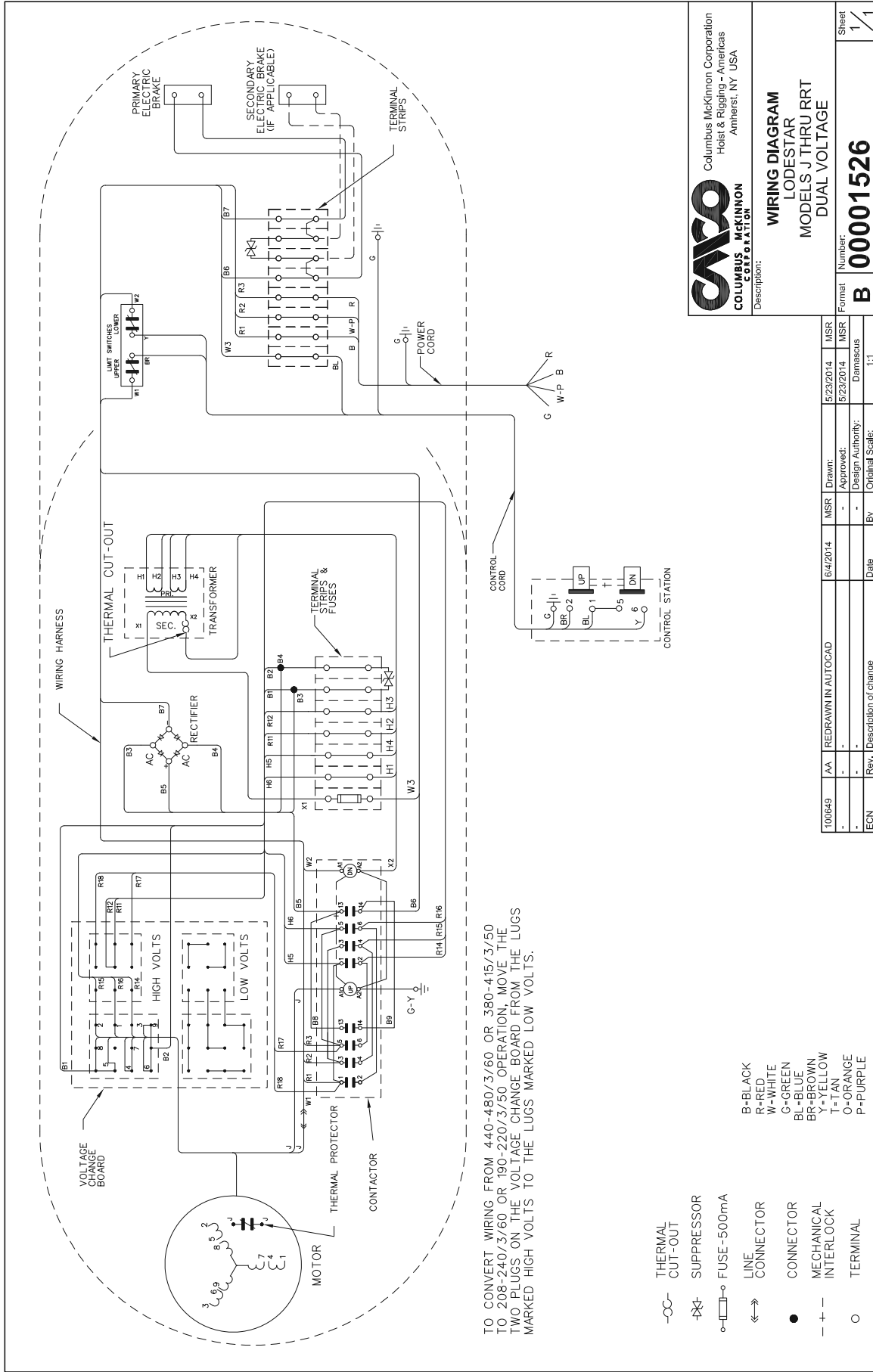
Legend:

- SUPPRESSOR
- LINE
- CONNECTOR
- MECHANICAL INTERLOCK
- TERMINAL

Color Key:

- B=BLACK
- R=RED
- W=WHITE
- G=GREEN
- BL=BLUE
- BR=BROWN
- T=TELLUR
- O=ORANGE
- P=PURPLE

REFERENCE WIRING DIAGRAMS



TO CONVERT WIRING FROM 440-480/3/60 OR 380-415/3/50 TO 208-240/3/60 OR 190-220/3/50 OPERATION, MOVE THE TWO PLUGS ON THE VOLTAGE CHANGE BOARD FROM THE LUGS MARKED HIGH VOLTS TO THE LUGS MARKED LOW VOLTS.

- THERMAL CUT-OUT
- ⋈— SUPPRESSOR
- FUSE-500mA
- ↔— LINE CONNECTOR
- CONNECTOR
- + — MECHANICAL INTERLOCK
- TERMINAL

- B=BLACK
- R=RED
- W=WHITE
- G=GREEN
- BL=BLUE
- BR=BROWN
- Y=YELLOW
- T=TAN
- O=ORANGE
- P=PURPLE

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Amherst, NY USA

COLUMBUS MCKINNON CORPORATION

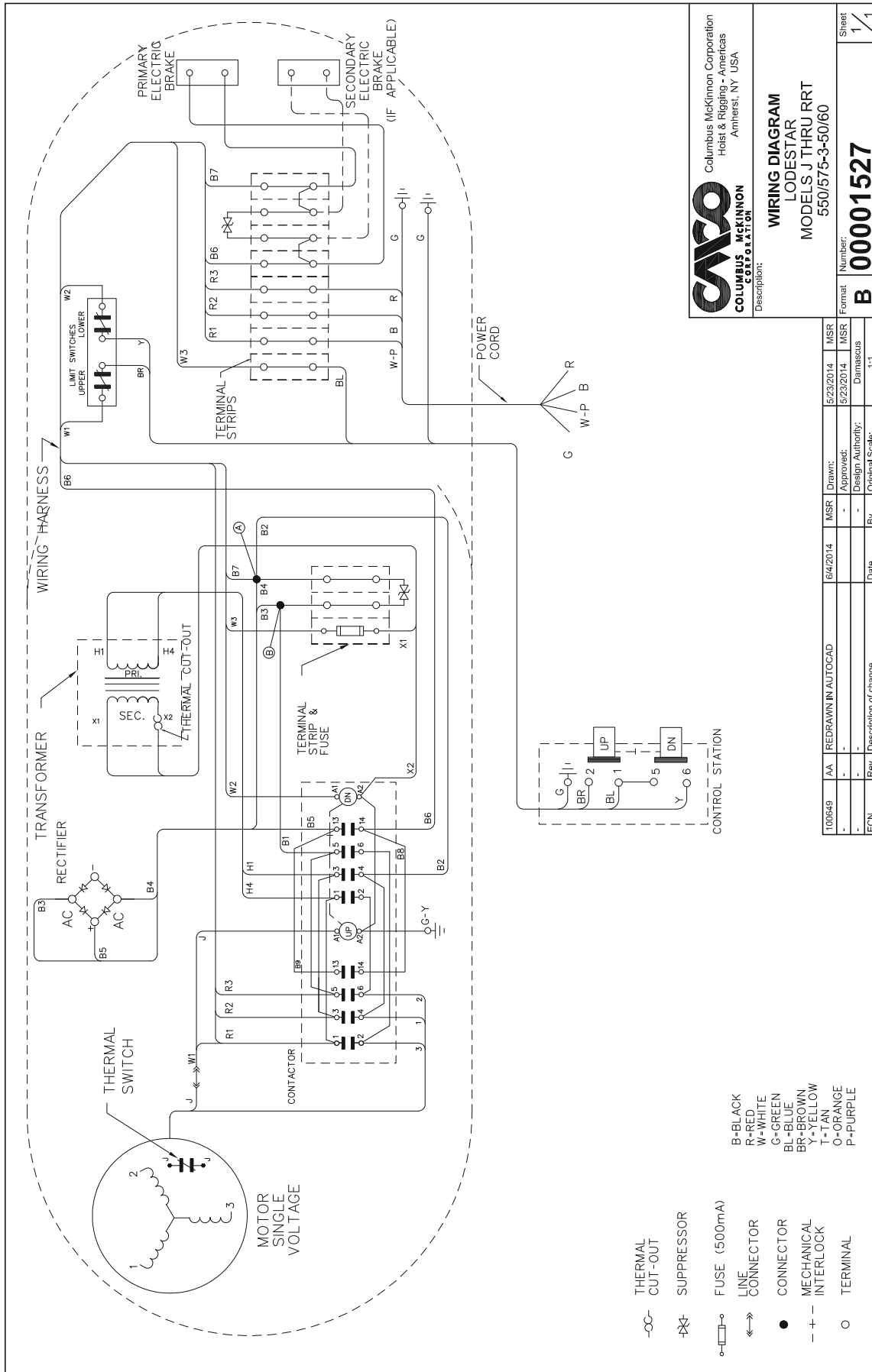
WIRING DIAGRAM
LODESTAR
MODELS J THRU RR
DUAL VOLTAGE

Description: **B** Number: **0001526**

ECN	Rev.	Description of change	Date	By	Design Authority	Original Scale
100649	AA	REDRAWN IN AUTOCAD	6/4/2014	MSR	MSR	5/23/2014
				Approved:	MSR	5/23/2014
				Design Authority:	Damascus	
				By		1:1

Sheet **1** / **1**

REFERENCE WIRING DIAGRAMS

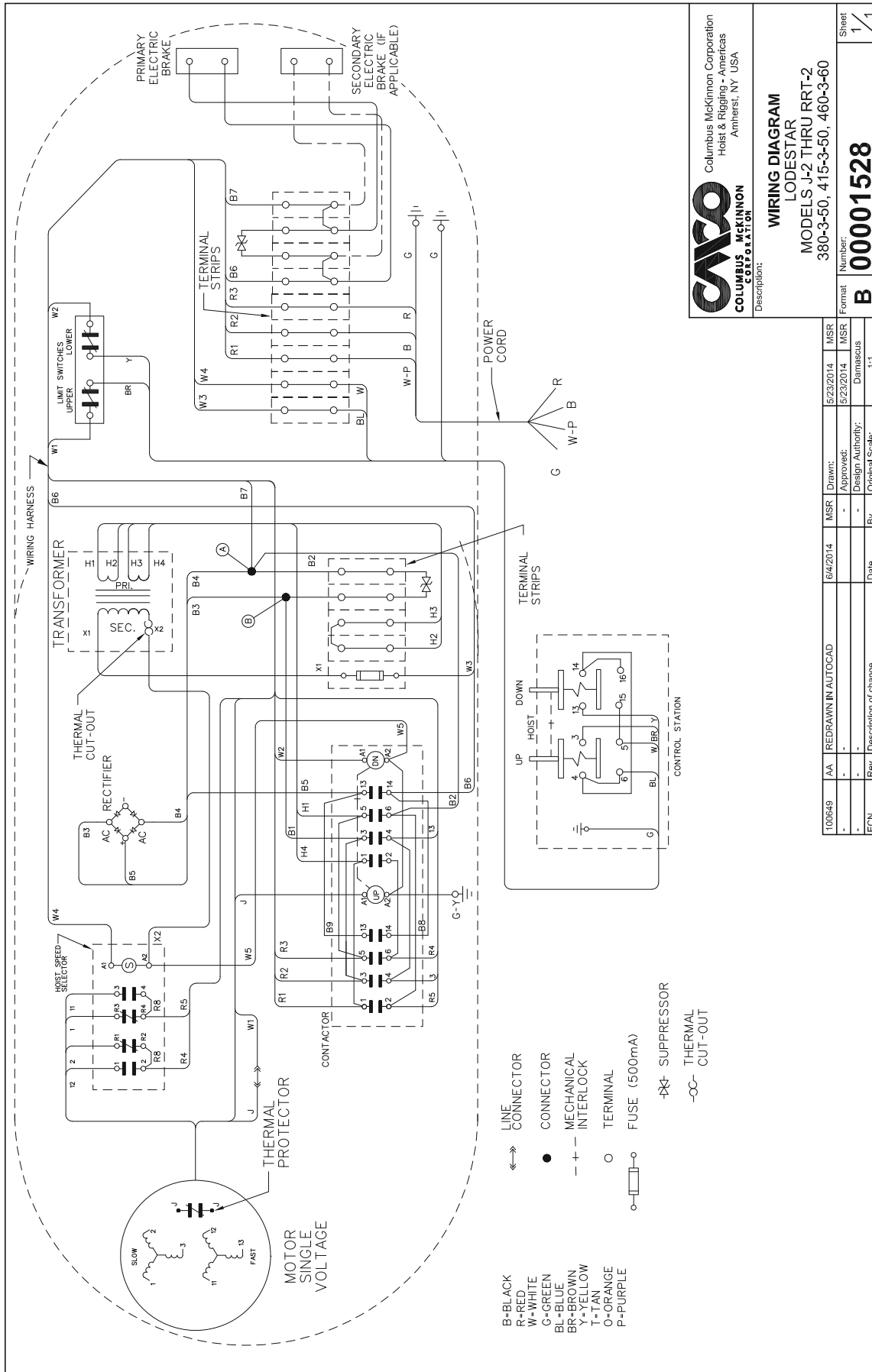


CMPO
COLUMBUS MCKINNON CORPORATION
 Columbus McKinnon Corporation
 Hoist & Rigging - Americas
 Amherst, NY USA

WIRING DIAGRAM
LODESTAR
 MODELS J THRU RRT
 550/575-3-50/60

Format: **B** Number: **00001527** Sheet: **1/1**

REFERENCE WIRING DIAGRAMS



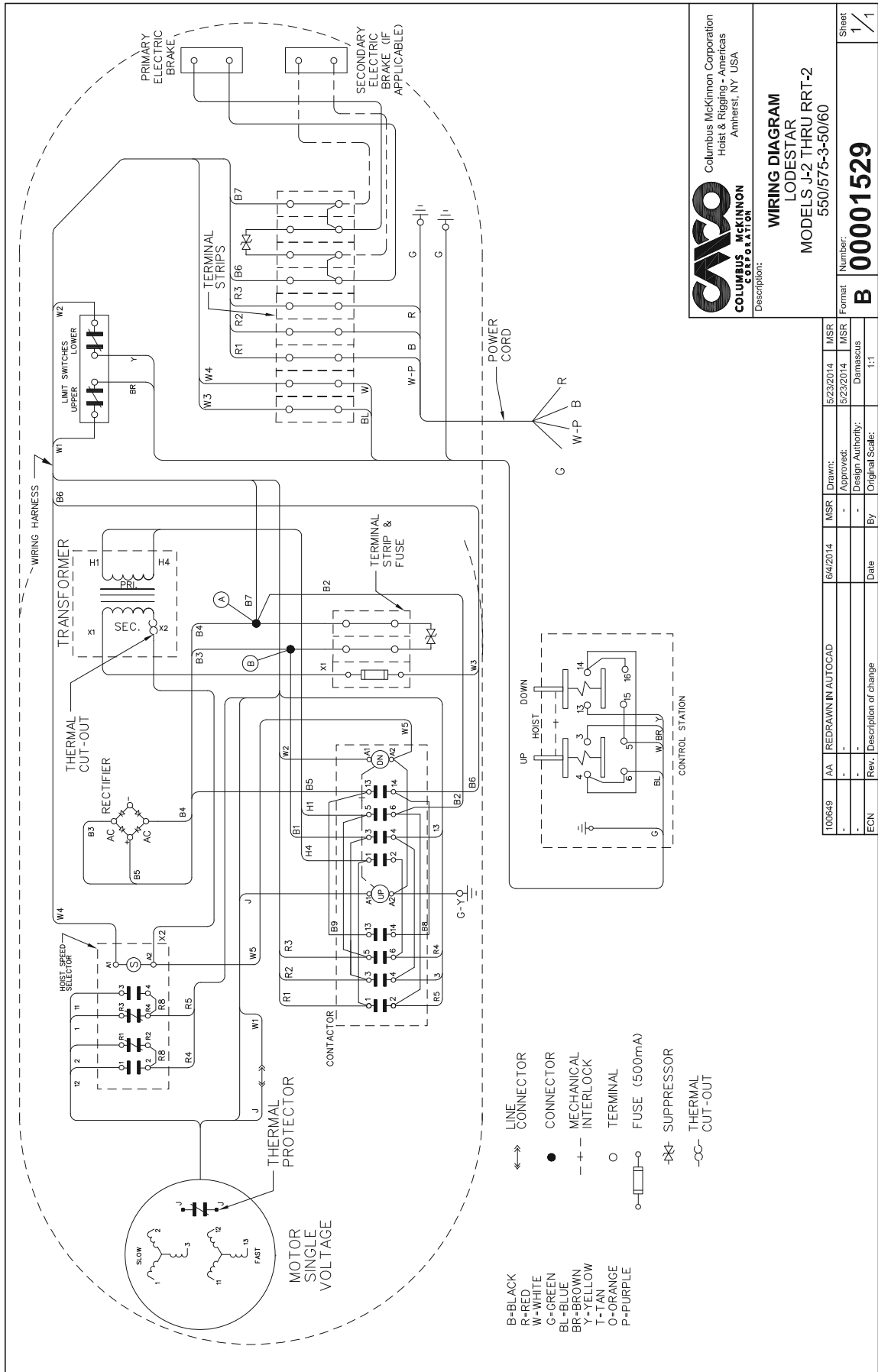
CMPO
COLUMBUS MCKINNON CORPORATION
 Columbus McKinnon Corporation
 Hoist & Rigging - Americas
 Amherst, NY USA

WIRING DIAGRAM
LODESTAR
 MODELS J-2 THRU RRT-2
 380-3-50, 415-3-50, 460-3-60

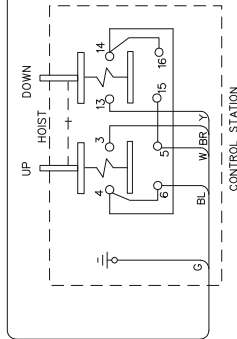
Description: _____
 Number: _____
 Format: **B**
 Sheet: 1 / 1

ECN	Rev.	Description of Change	Date	By	Design Authority:	MSR	MSR	MSR
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-	-	-	-	-	-	-	-	MSR
-	-	-	-	-	-	-	-	Damascus
-	-	-	-	-	-	-	-	1:1

REFERENCE WIRING DIAGRAMS



- B=BLACK
 - R=RED
 - W=WHITE
 - C=GREEN
 - BL=BLUE
 - BR=BROWN
 - Y=YELLOW
 - T=TAN
 - O=ORANGE
 - P=PURPLE
- ◀→ LINE CONNECTOR
 - CONNECTOR
 - + MECHANICAL INTERLOCK
 - TERMINAL
 - FUSE (500mA)
 - ⚡ SUPPRESSOR
 - THERMAL CUT-OUT



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WIRING DIAGRAM
LODESTAR
MODELS J-2 THRU RRT-2
550/575-3-50/60

Description:			
Form:	B	Number:	00001529
MSR:	5/23/2014	MSR:	5/23/2014
Drawn:	-	Approved:	-
By:	-	Design Authority:	Damascus
Date:	-	Original Scale:	1:1

Sheet
1 / 1

100649	AA	REDRAWN IN AUTOCAD	6/4/2014	MSR	Drawn:	MSR	MSR
-	-	-	-	-	Approved:	-	MSR
-	-	-	-	-	Design Authority:	-	Damascus
ECN	Rev.	Description of Change	Date	By	Original Scale:	1:1	