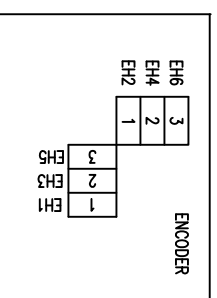
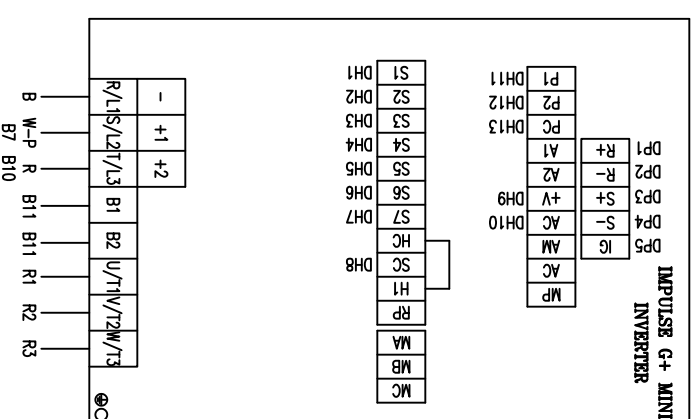


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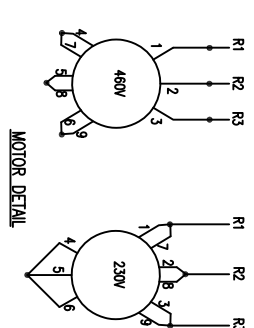
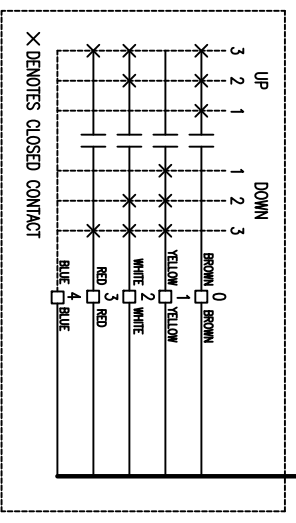
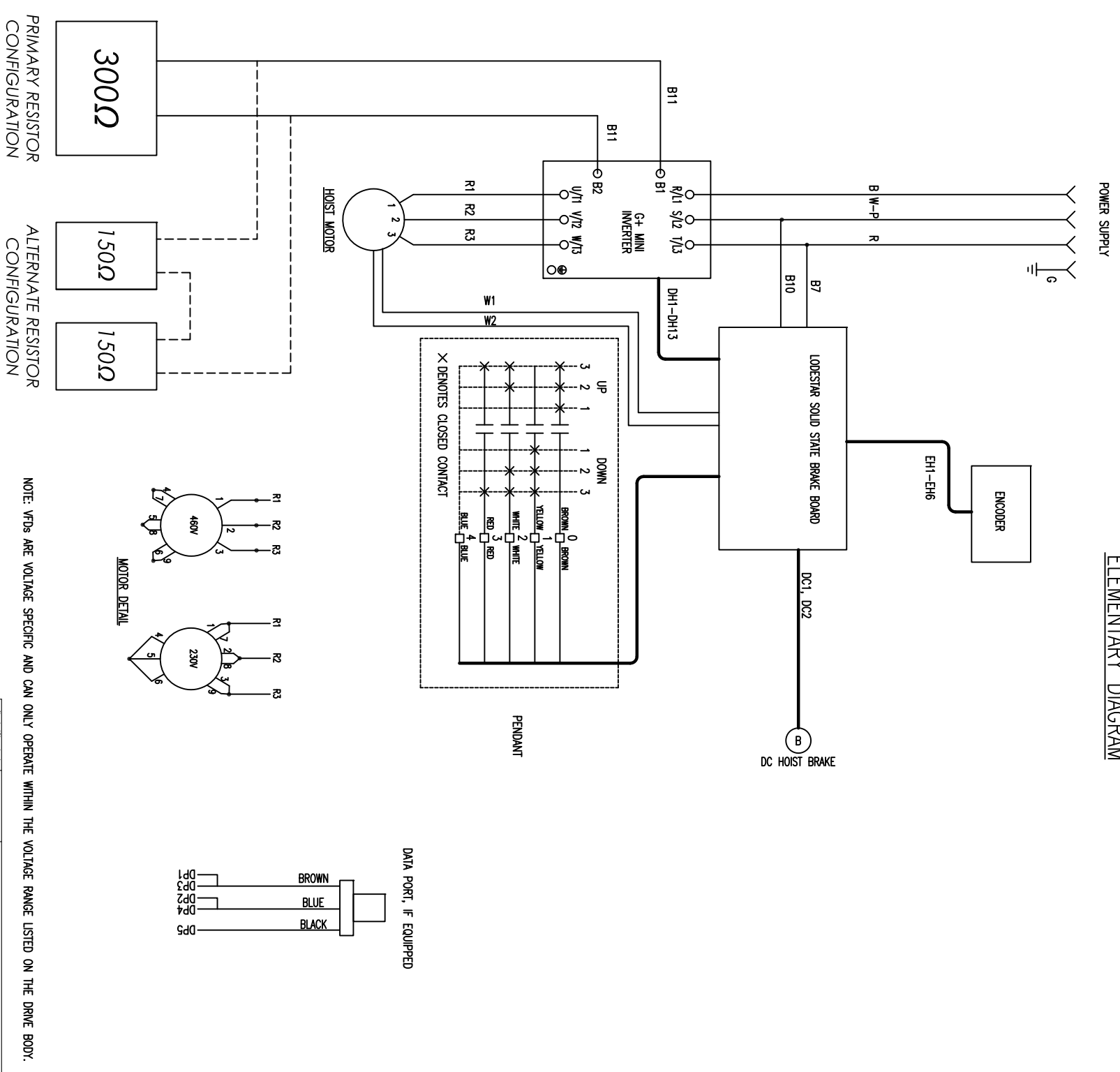
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SYMBOL DESIGNATIONS

- DH: DRIVE HARNESS, CONNECTS VFD AND BRAKE BOARD
EH: ENCODER HARNESS, CONNECTS ENCODER TO BRAKE BOARD
DC1, DC2: BLACK AND BLUE WIRES PERMANENTLY ATTACHED TO DC BRAKE (NO POLARITY)
G - FRAME GROUND
F

ELEMENTARY DIAGRAM



NOTE: VFDs ARE VOLTAGE SPECIFIC AND CAN ONLY OPERATE WITHIN THE VOLTAGE RANGE LISTED ON THE DRIVE BODY.

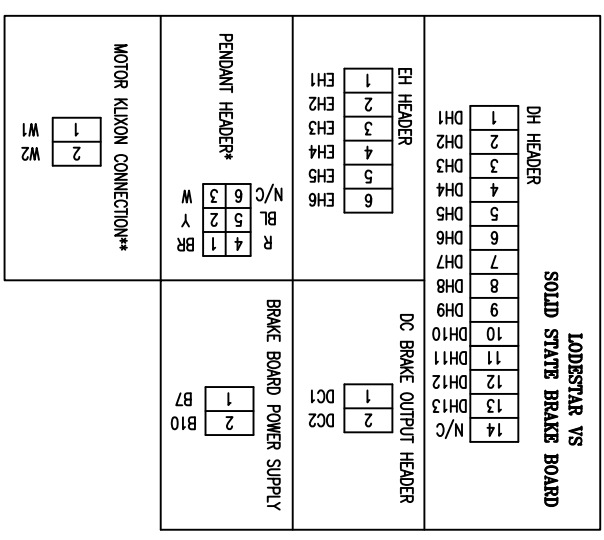
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Rev	Date	By	Description of Change
1511459	1/19/2018	JCLDM	Original Project
152011	6/15/2018	JCLDM	Design Authority
152011	6/15/2018	JCLDM	Design Authority
152011	9/19/2018	JCLDM	ADDED ALTERNATE RESISTOR WIRING

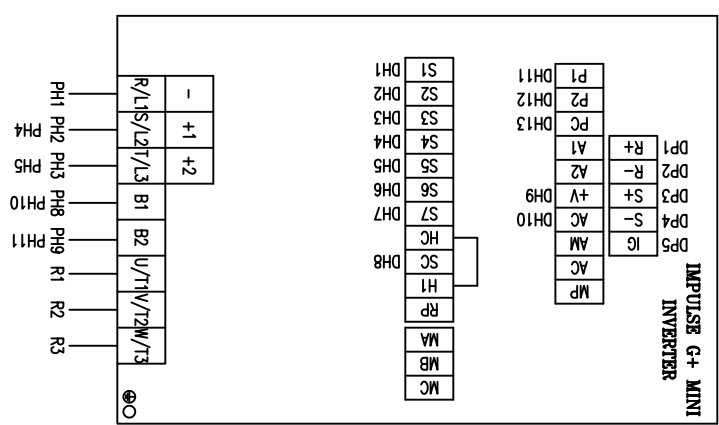
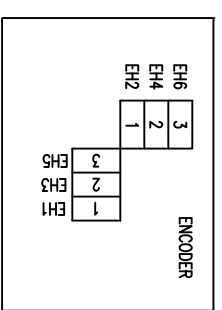
Standard:	ASME E1.9
Material:	316L
Manufacturer:	3M
Part No.:	192046708
Revision:	1

Formal Number:	D 192046708
Sheet:	1 / 1

ELEMENTARY DIAGRAM



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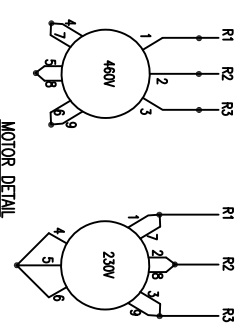
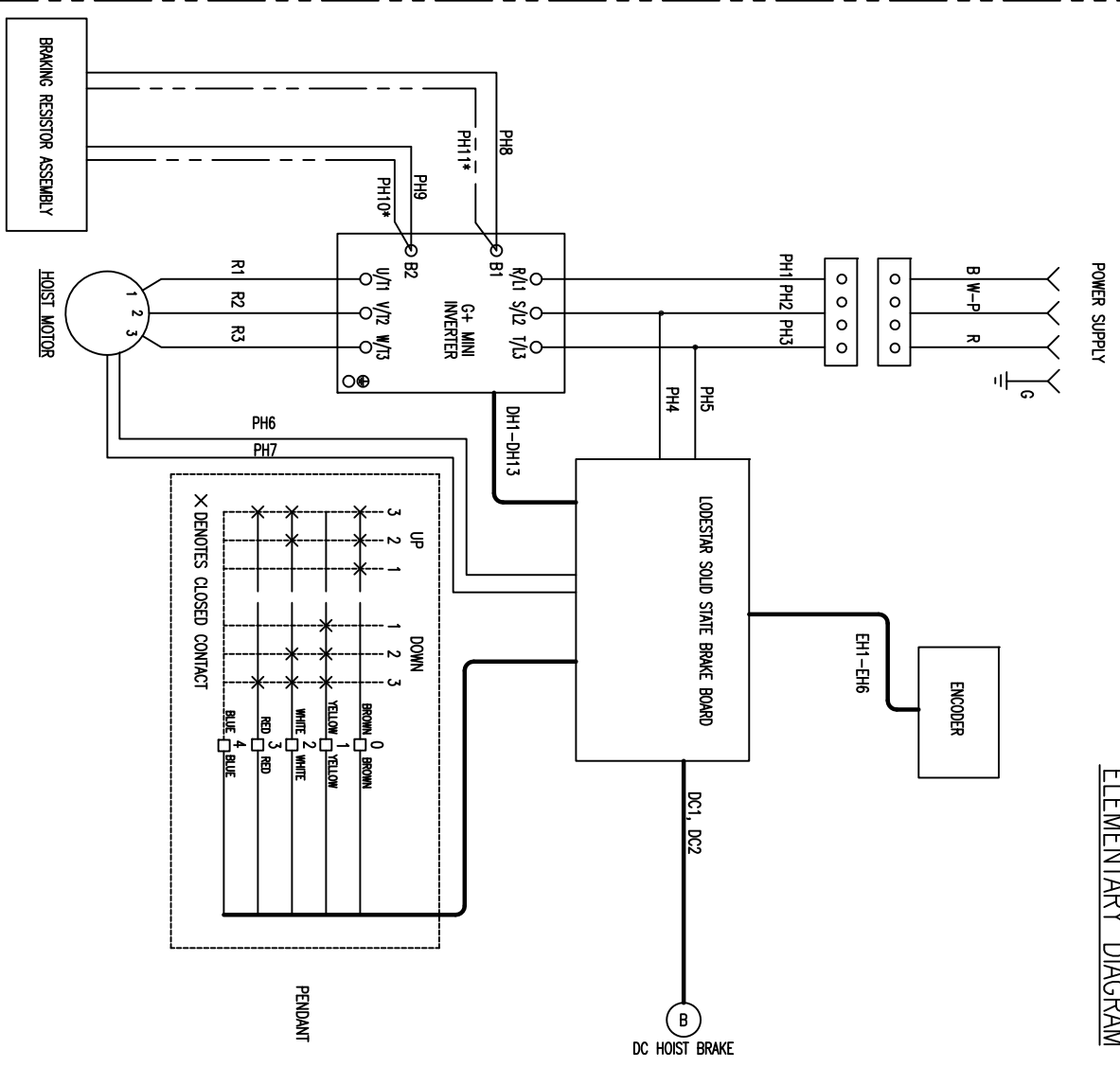


SYMBOL DESIGNATIONS

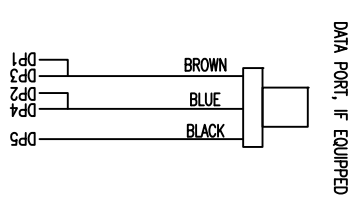
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- DP: DATA PORT HARNESS, CONNECTS VFD TO EXTERNAL DATA PORT, IF EQUIPPED
- PH: POWER HARNESS, CONNECTS ALL HIGH VOLTAGE PARTS, AND CARRIES MOTOR KILXON

- WARNING:**
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- WARNING:**
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- AVERTISSEMENT:**
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G - FRAME GROUND
F

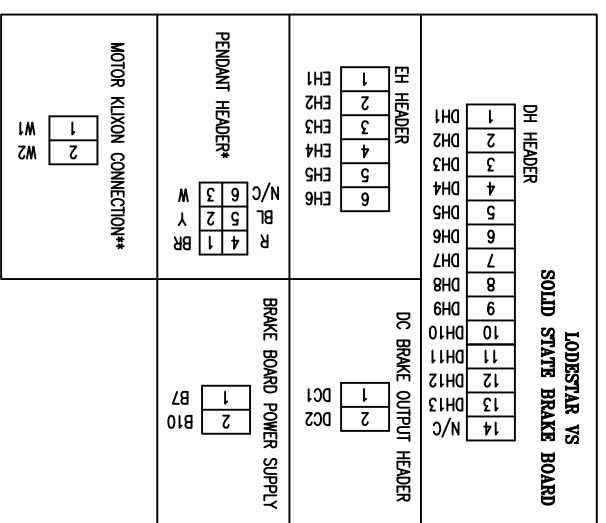


NOTE: VFDs ARE VOLTAGE SPECIFIC AND CAN ONLY OPERATE WITHIN THE VOLTAGE RANGE LISTED ON THE DRIVE BODY.

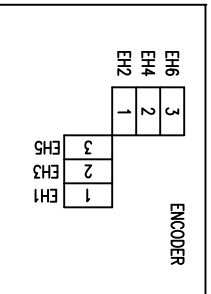
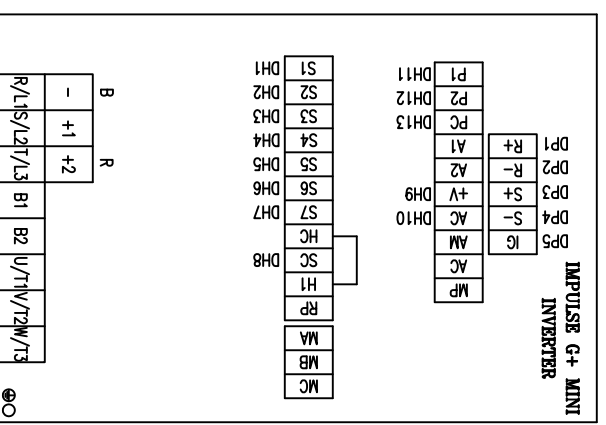


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Columbus McKinnon Corporation Hoist & Rigging - Americas Amherst, NY, USA	
Standard: NCH Model: 192056460 Material No.: 192056460	Dimensional Units: Imperial Drawing: 192056460 Standard: IEC/UL Design Authority: JSD Original Project: LODESTAR VS V2
Form: 192056460 Number: 192056460 Sheet: 1/1	Date: 7/16/2018 By: JSD Description of change:



* ON 2-STEP UNITS, THE RED WIRE IN POSITION 4 IS REMOVED.
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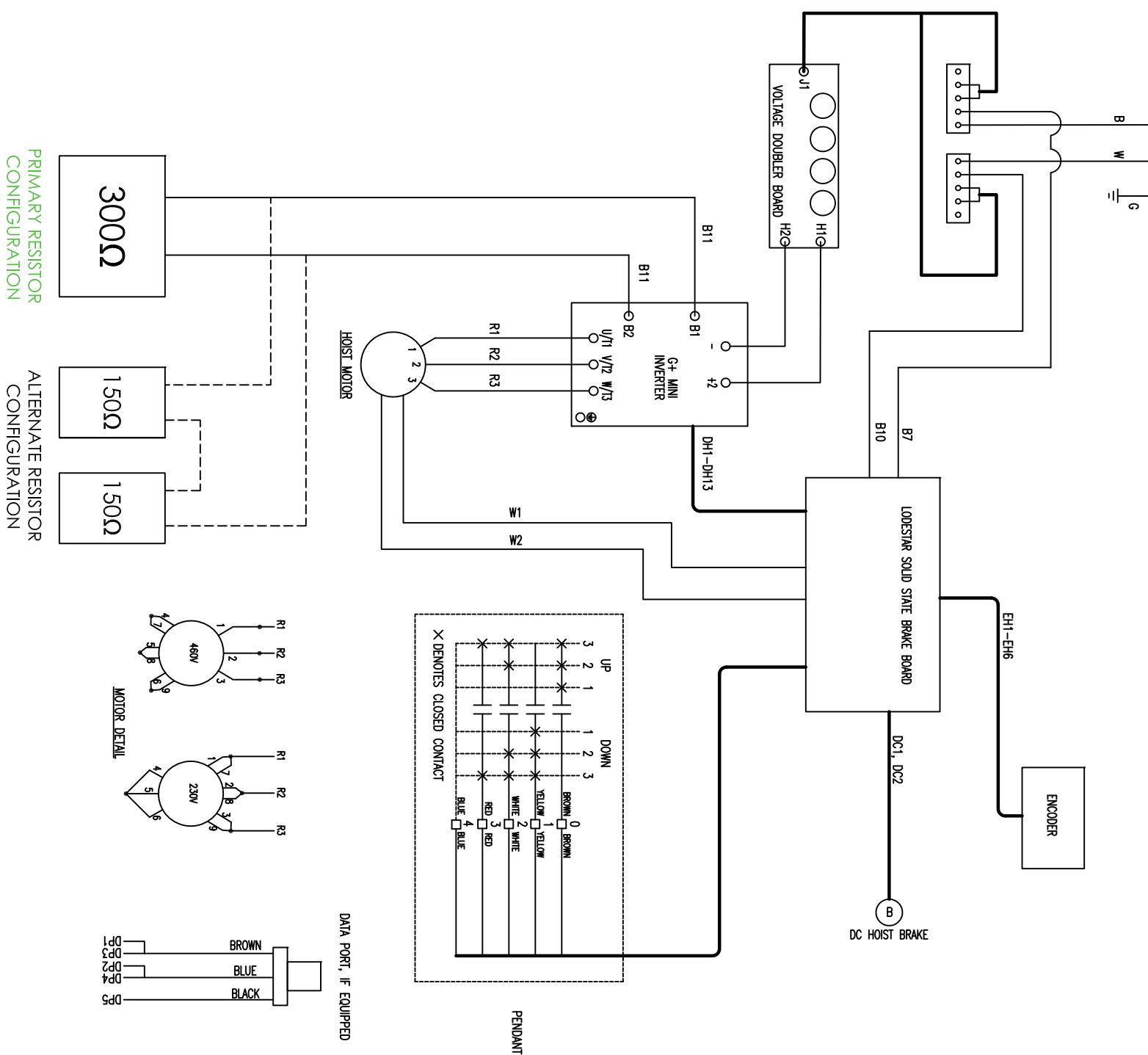
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G - FRAME GROUND

ELEMENTARY DIAGRAM

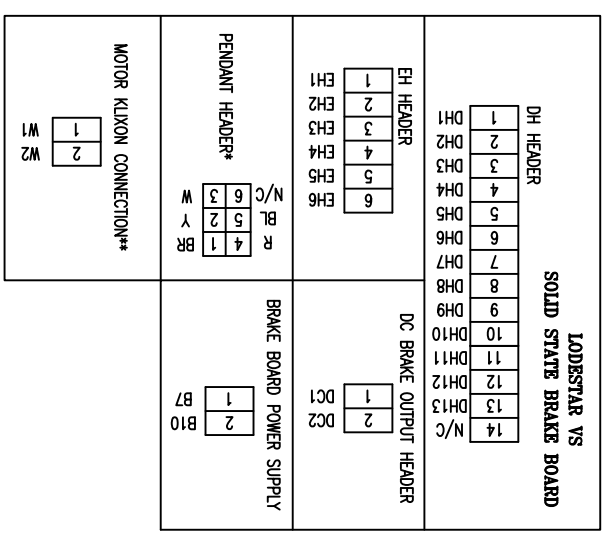
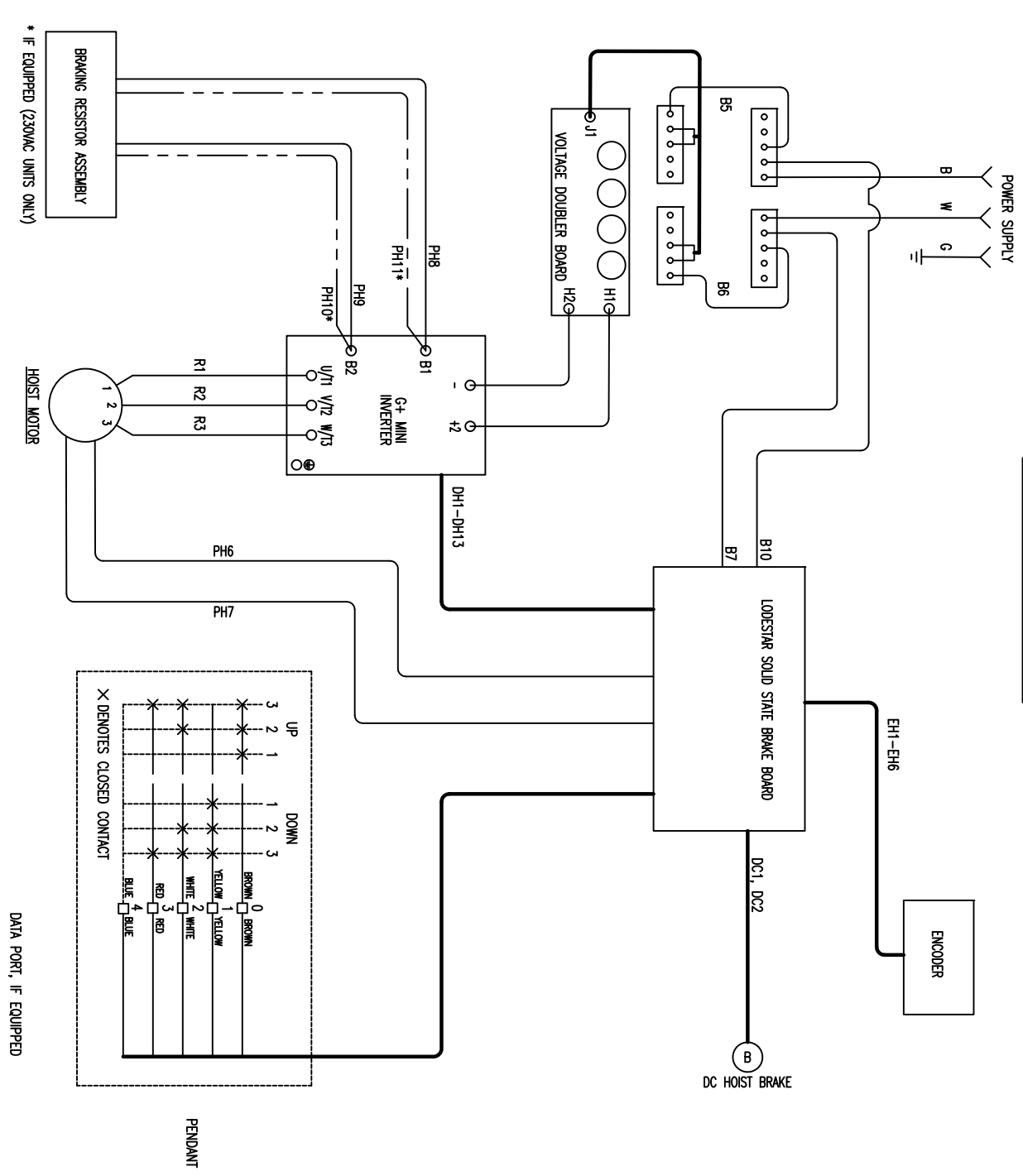


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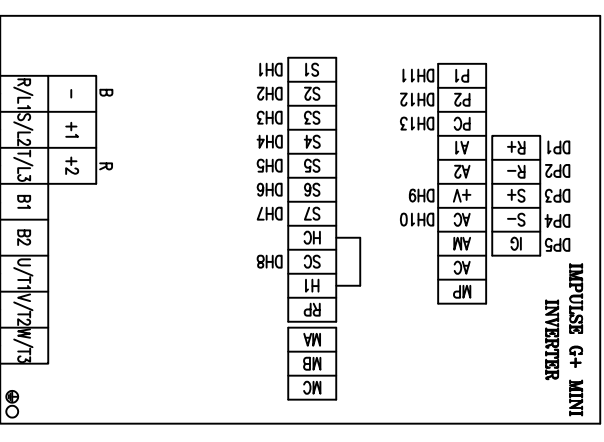
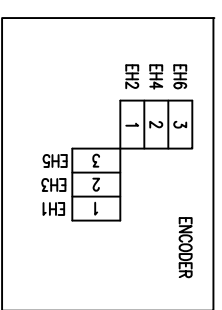
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Columbus McKinnon Corporation Hoist & Rigging - Americas Amherst, NY USA	
Design Authority: 011442020 JCDLM	Design Date: 1/11/4/2020 JCDLM
Original Project: LODESTAR VS V1	Revision: 1
Form Number: D 192069078	Sheet: 1 / 1

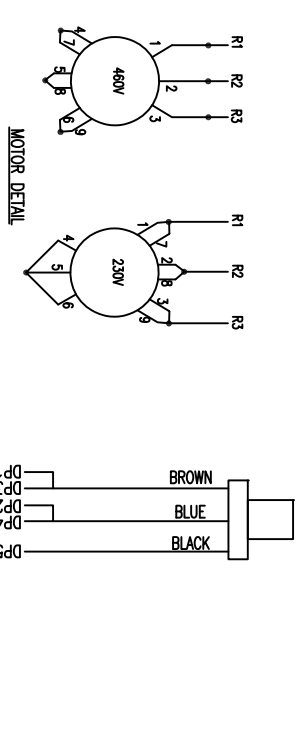
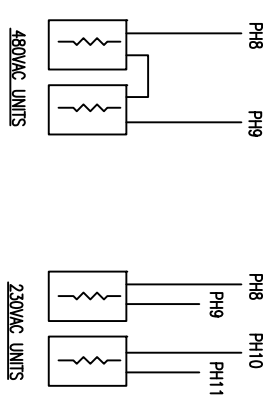
ELEMENTARY DIAGRAM



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RESISTOR DETAIL



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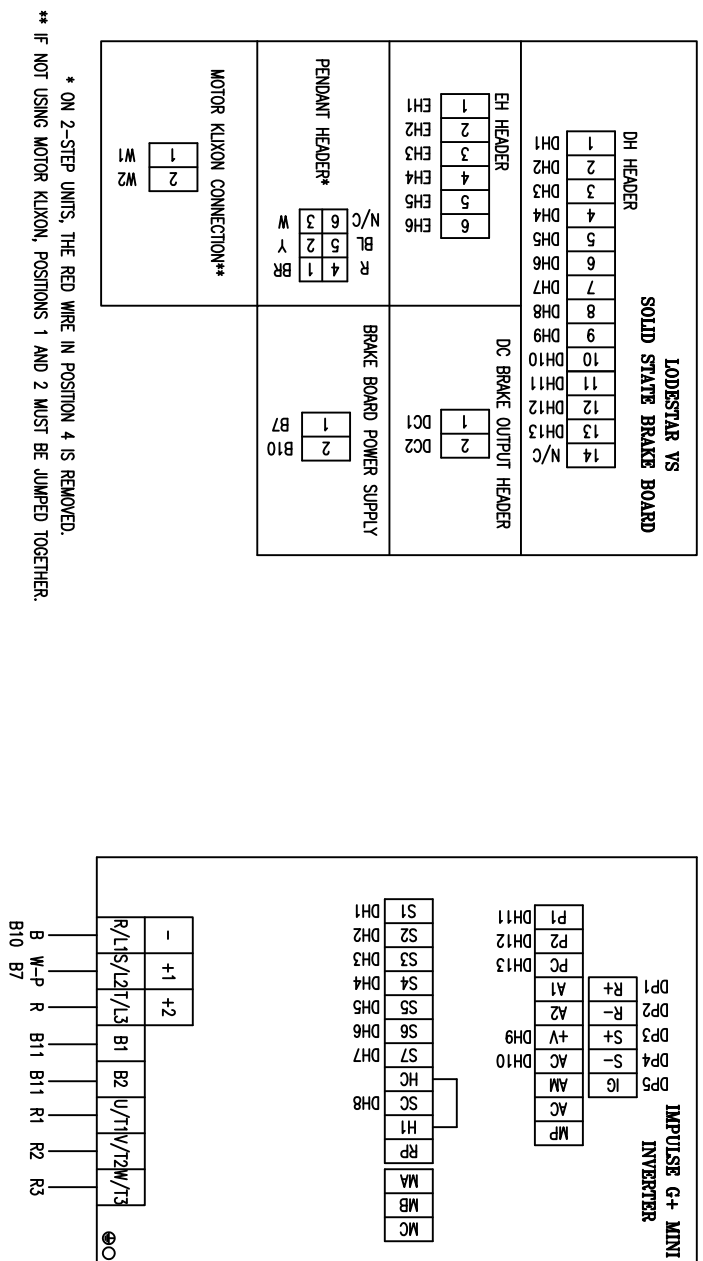
G - FRAME GROUND
F

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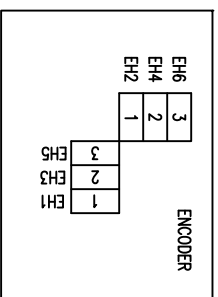
ISO674	AA	ADDPF	3/12/2020	JCDLM	Approved	WIRING DIAGRAM
EON	Rev:	Description of change	Date	By:	Drawn:	Sheet 1/1

CMCO	Columbus McKinnon Corporation
HOIST & RIGGING - AMERICAS	Amherst, NY USA
110V SINGLE PHASE SUPPLY	
Formal Number:	D 192069080

ELEMENTARY DIAGRAM



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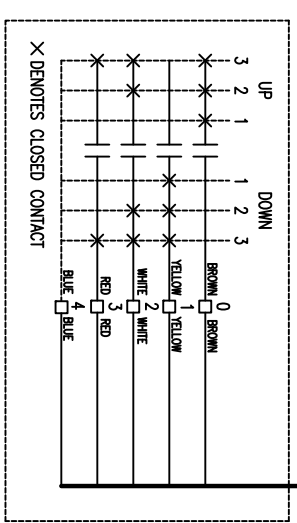
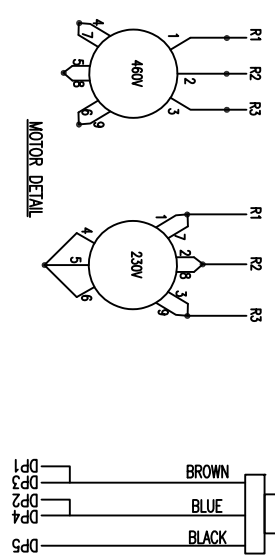
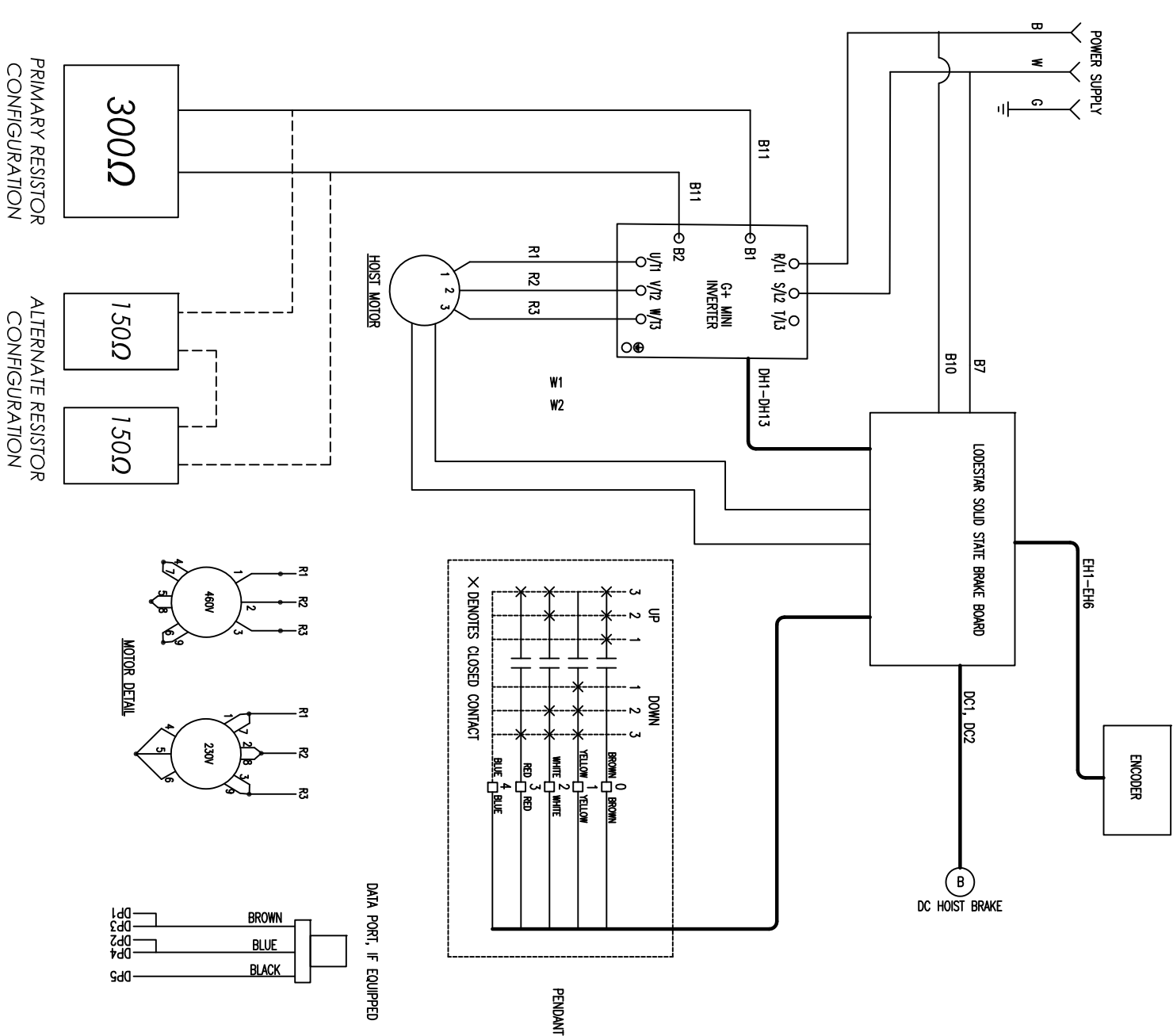
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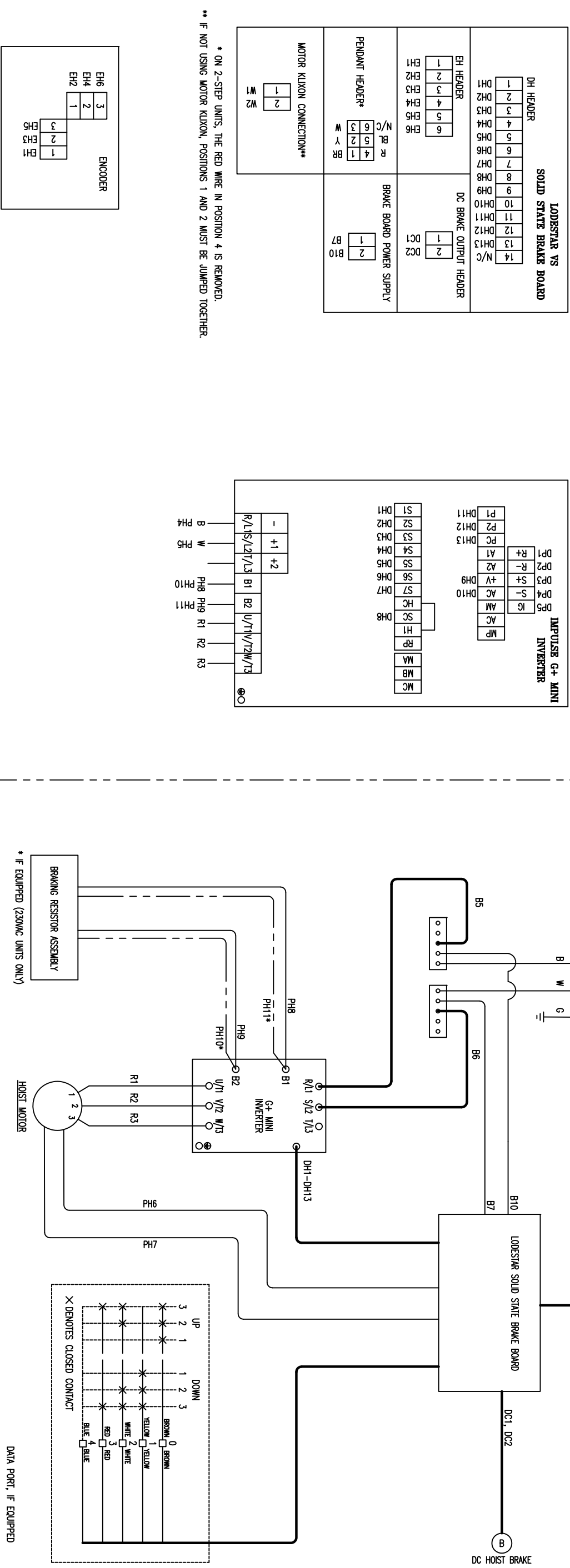
153226	AA	ADOPT	1/14/2020	JCDLM	Design Authority	Dismissal	
153227	AA	ADOPT	1/14/2020	JCDLM	Design Authority	Dismissal	
EON	Rev	Description of change	Date	By			

153226	AA	B10 MOVED FROM AL3 TO L1 POSITION	1/13/2022	JCDLM	WIRING DIAGRAM		
153227	AA	ADOPT	1/14/2020	JCDLM	WIRING DIAGRAM		
EON	Rev	Description of change	Date	By			

192069118	D	192069118	1	1
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192069118	D	192069118	1	1
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ELEMENTARY DIAGRAM



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G - FRAME GROUND
F -

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152527	1.A	CORRECT JUMPER CABLES	3/11/2020	JCDM	PCSH	230V SINGLE PHASE SUPPLY	192069119	1/1
EON	Rev	Description of change	Date	By	Drawn	Original Scale		

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

WIRING DIAGRAM
LODESTAR VS V2
230V SINGLE PHASE SUPPLY