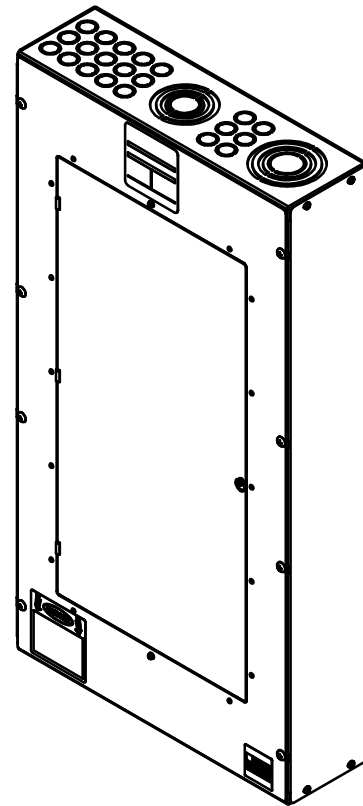


SPECIFICATIONS:

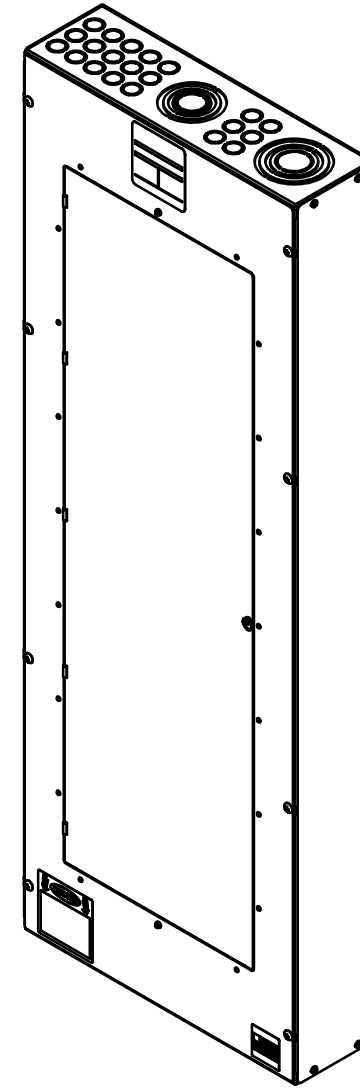
- A. DCP ASSEMBLY IS NRTL LISTED VIA CSA GROUP SPECIAL INDUSTRIAL CONTROL PANEL (SICP) SHOP PROGRAM. ASSEMBLY DESIGNED, MANUFACTURED, AND TESTED TO STANDARDS:
 - CSA C22.2 No.286-17
 - UL 508A
- B. ALL BREAKERS (MAIN FEEDER & DISTRIBUTION) ARE LISTED TO UL 489.
- C. 16 GA Steel ENCLOSURE Construction

PRODUCT SELECTION TABLE						
ITEM No.	HEIGHT (H)		MOUNTING (M)		# BRANCH BREAKERS	
	IN	MM	IN	MM	2-POLE	1-POLE
DCP38	38.00	965	32.00	813	12	24
DCP56	56.00	1423	50.00	1270	24	48

*CONSULT FACTORY FOR PRODUCT ITEM AVAILABILITY



DCP38



DCP56

NOTES:

1. ALL WIRING SHOULD CONFORM TO NEC, LOCAL, AND SITE REGULATIONS. ONLY USE COPPER (CU) CONDUCTORS.
2. UP TO THREE (3) MAIN BREAKERS AVAILABLE, 250VDC, 50-250ADC. SUM OF THREE (3) MAIN BREAKERS NOT TO EXCEED 400A.
 - a. "Hx" FRAME: COMPRESSION TERMINALS WILL ACCOMMODATE Cu-AI WIRE SIZES FROM #14 TO 3/0 AWG (50A, 75A, 100A, 125A, AND 150A TRIP RATINGS AVAILABLE).
 - b. "Jx" FRAME: COMPRESSION TERMINALS WILL ACCOMMODATE Cu-AI WIRE SIZES FROM:
 - a. 4 AWG TO 4/0 (150A AND 175A TRIP RATINGS AVAILABLE).
 - b. 3/0 TO 350kcmil (200A, 225A, AND 250A TRIP RATINGS AVAILABLE).
3. BRANCH BREAKERS ARE SQUARE-D B-FRAME POWERPACT SERIES WITH COMPRESSION LUGS ACCEPTING #14 TO 3/0 AWG. BREAKERS ARE RATED FOR 250VDC @ 15-125ADC.
4. GROUND COMPRESSION LUG TERMINAL WILL ACCEPT Cu-AI WIRES FROM #14 TO 1/0 AWG.
5. SINGE POLE BRANCH BREAKERS AVAILABLE (CONTACT FACTORY FOR CONFIGURATIONS).



C US
SICP (SPEC A)

REV. 5	DRN BY MS	CHK BY KB	APP BY ND	DATE 2/24/2023	DRN BY MS	DATE: 12/17/2021		<h1>HINDLEPOWER</h1>			
DESCRIPTION TOP KNOCKOUTS NOW STANDARD & ADDED AUX SWITCH OPTION					CHK BY SW	DATE: 12/17/2021			TITLE DC CONTROL PANEL		
<small>PROPRIETARY AND CONFIDENTIAL NOTICE ANY REPRODUCTION, PARTIAL OR AS A WHOLE OF THIS DOCUMENT WITHOUT THE WRITTEN PERMISSION OF HINDLE POWER, INC IS STRICTLY PROHIBITED.</small>					APP BY ND	DATE: 12/17/2021	<small>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS FOLLOW THE ANSI SYSTEM IPS (INCHES-POUNDS & SECONDS) TOLERANCES ARE: FRAC. ±1/64, DEC. ±.015, ANG ±.25°</small>				
								SCALE	DWG No	REV	SHEET
							B	1:10	JE5368-00	5	1 OF 4

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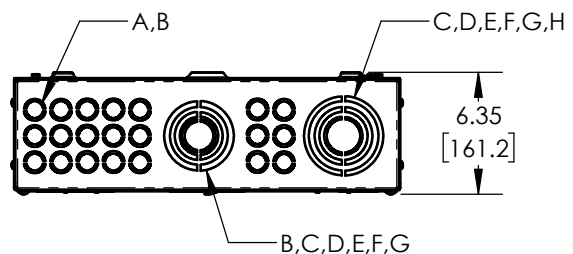
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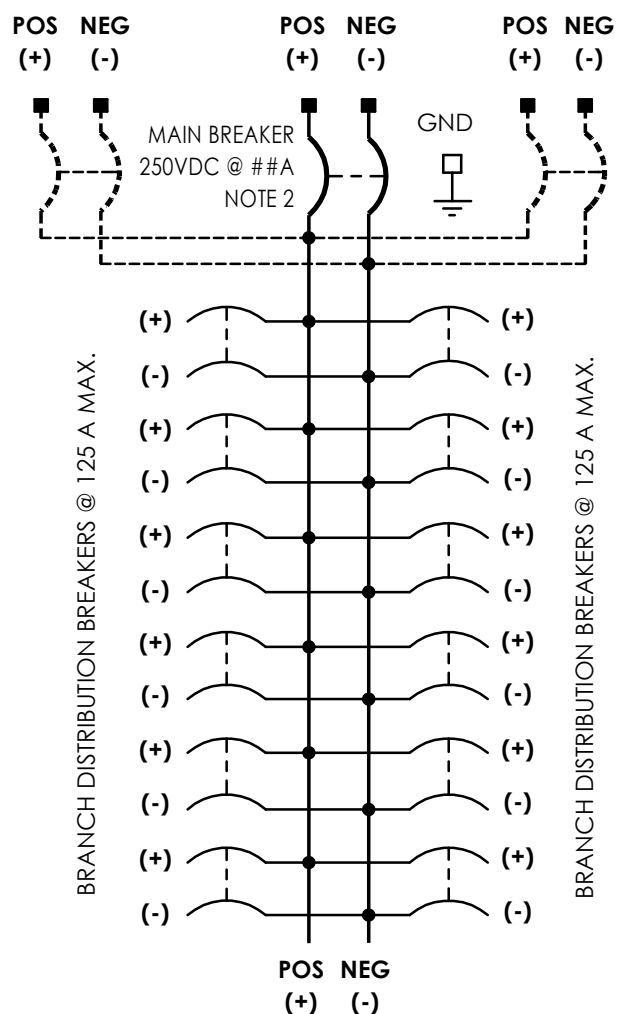
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DCP38

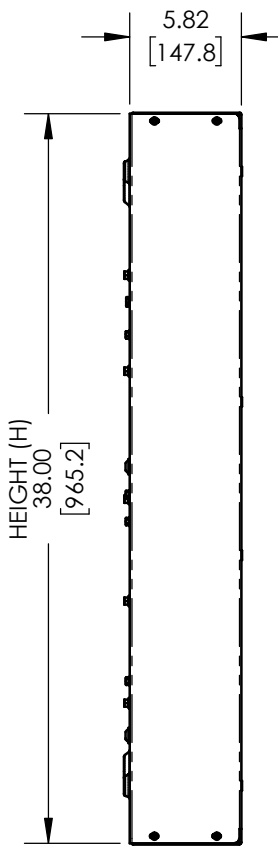
KNOCKOUT TABLE				
SYMBOL	CONDUIT SIZE		KNOCKOUT SIZE	
	IN	MM	IN	MM
A	0.50	13	0.88	22
B	0.75	19	1.12	28
C	1.25	32	1.75	44
D	1.50	38	2.00	51
E	2.00	51	2.50	64
F	2.50	64	3.00	76
G	3.00	76	3.62	92
H	3.50	89	4.12	105



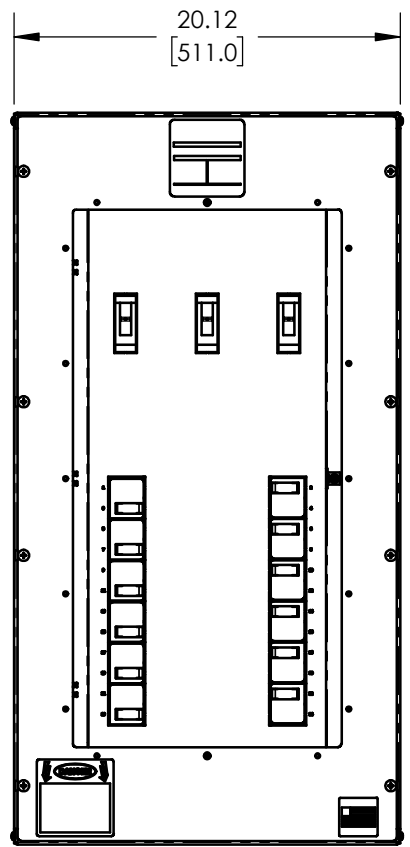
TOP VIEW



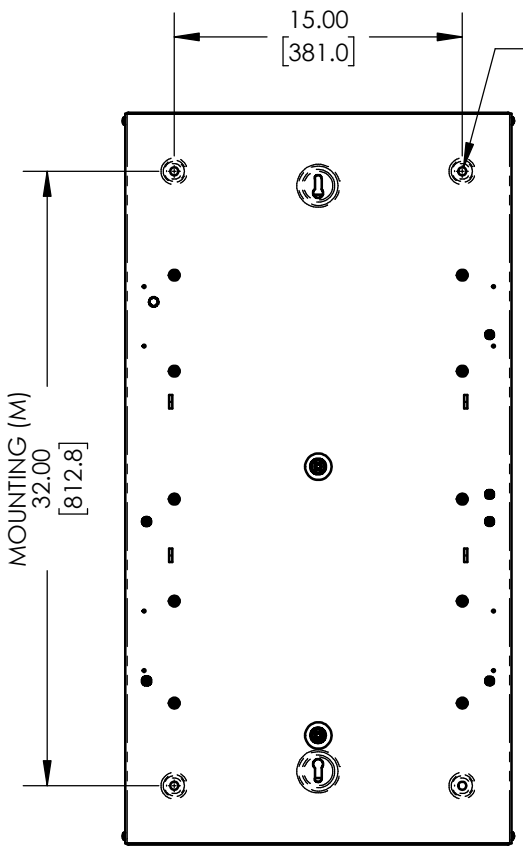
DC CONTROL PANEL SCHEMATIC



LEFT SIDE VIEW



FRONT VIEW



REAR VIEW

REV. 5	DRN BY MS	CHK BY KB	APP BY ND	DATE 2/24/2023	DRN BY MS	DATE 12/17/2021
DESCRIPTION				TOP KNOCKOUTS NOW STANDARD & ADDED AUX SWITCH OPTION		
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DC CONTROL PANEL				SCALE DWG No		
B				1:10 JE5368-00		

HINDLE POWER

DC CONTROL PANEL

REV 5 SHEET 2 OF 4

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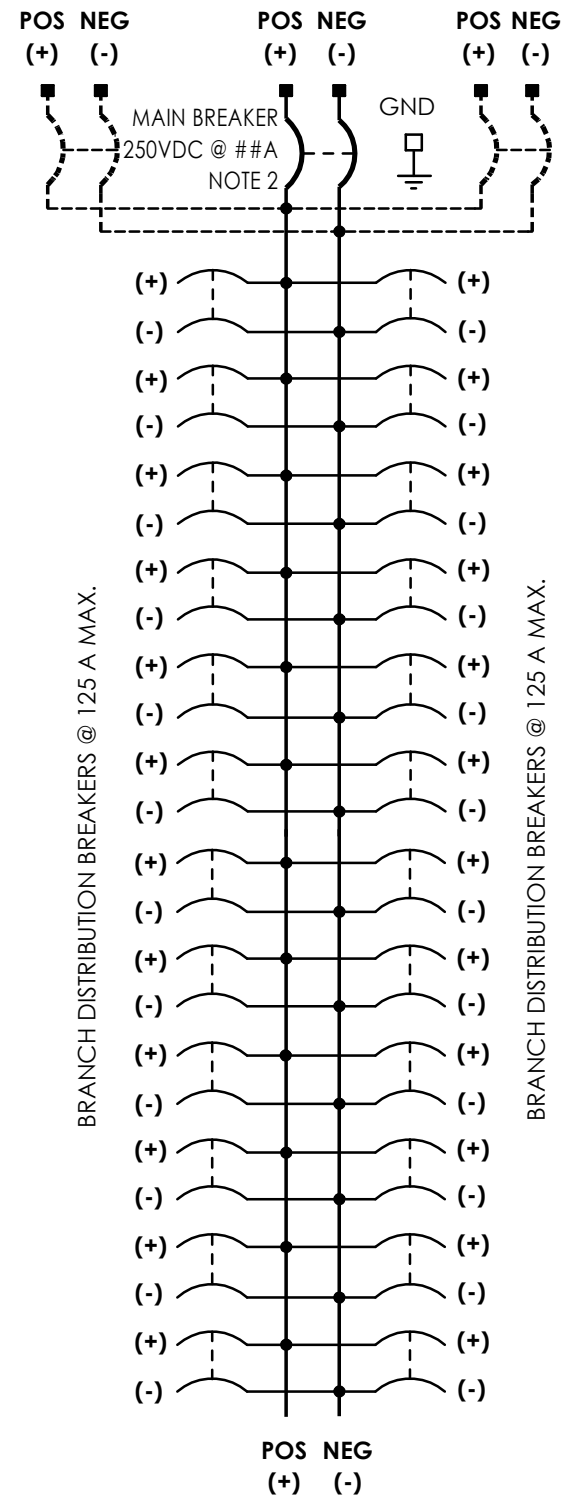
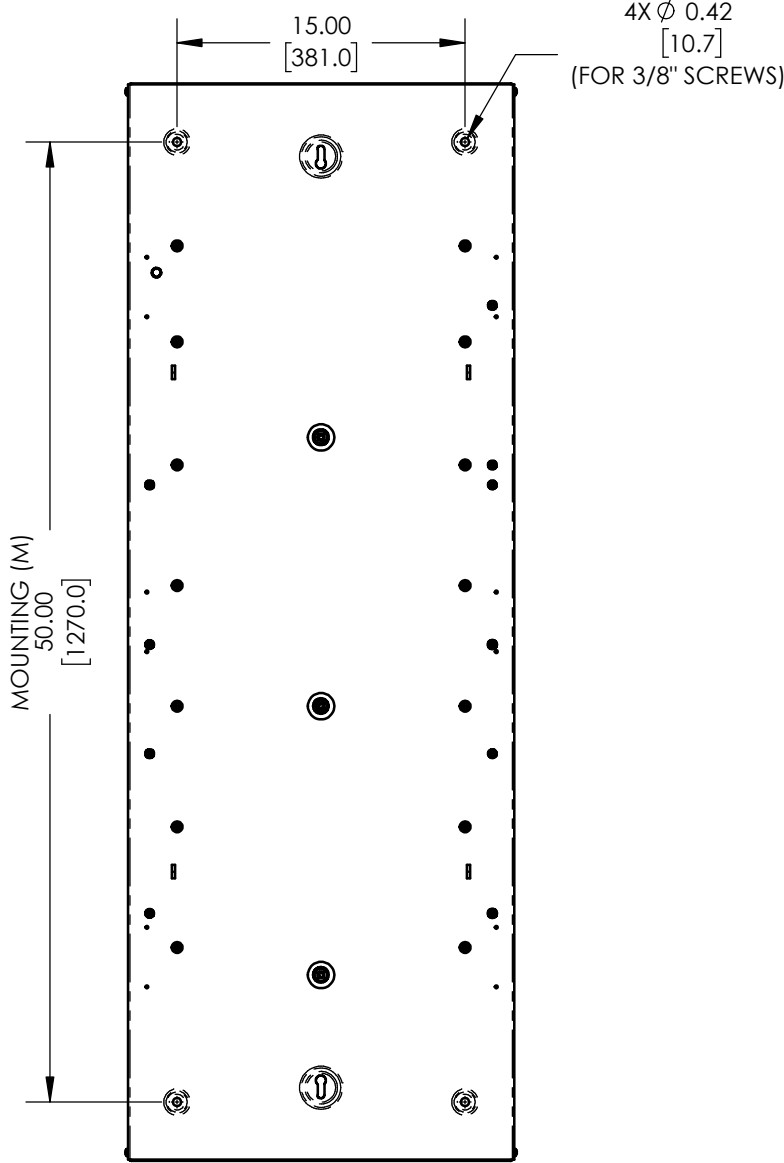
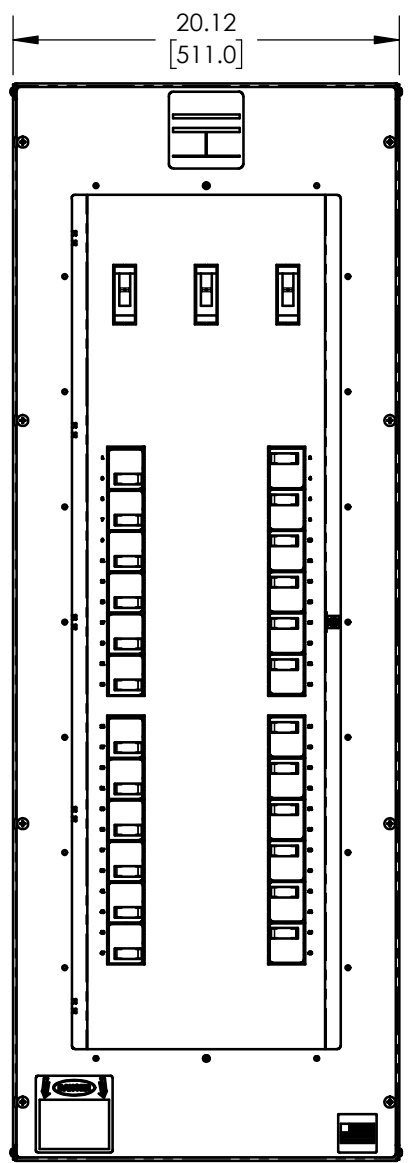
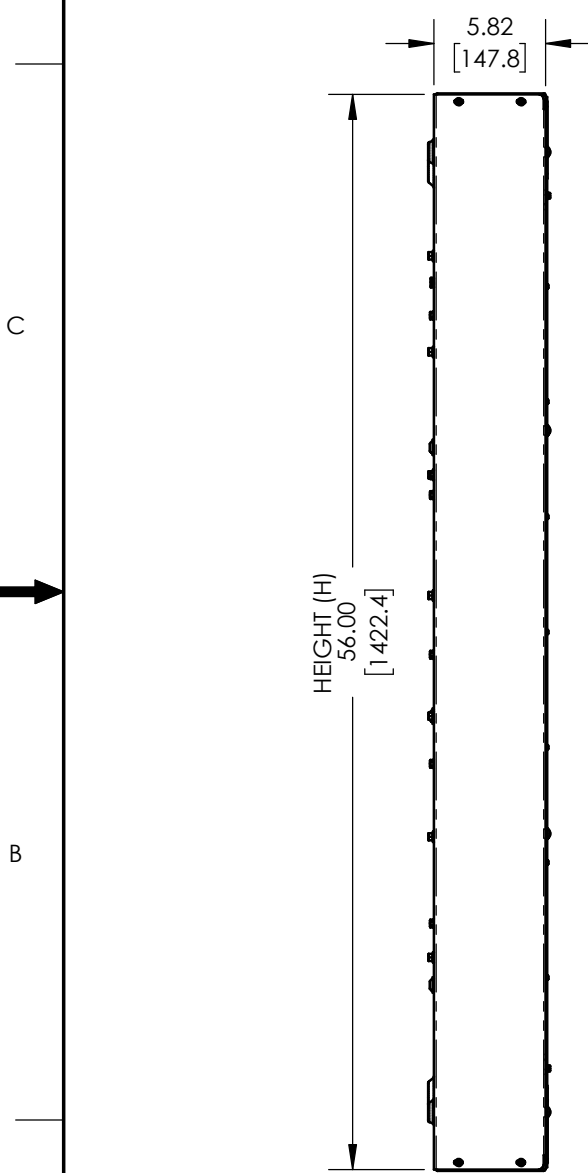
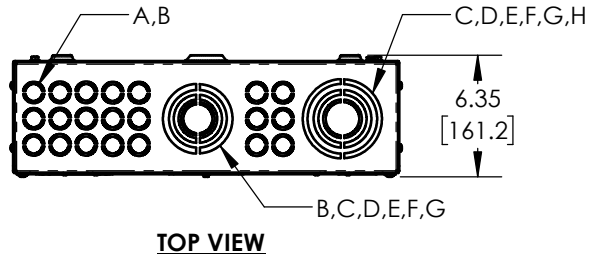
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DCP56

KNOCKOUT TABLE				
SYMBOL	CONDUIT SIZE		KNOCKOUT SIZE	
	IN	MM	IN	MM
A	0.50	13	0.88	22
B	0.75	19	1.12	28
C	1.25	32	1.75	44
D	1.50	38	2.00	51
E	2.00	51	2.50	64
F	2.50	64	3.00	76
G	3.00	76	3.62	92
H	3.50	89	4.12	105



REV. 5	DRN BY MS	CHK BY KB	APP BY ND	DATE 2/24/2023	DRN BY MS	DATE 12/17/2021
DESCRIPTION				TOP KNOCKOUTS NOW STANDARD & ADDED AUX SWITCH OPTION	CHK BY SW	DATE 12/17/2021
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HINDLEPOWER

DC CONTROL PANEL

SCALE 1:10 DWG No **JE5368-00** REV 5 SHEET 3 OF 4

8

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DC CONTROL PANEL ORDERING CODE

A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R
DCP	38	200	100	XXX	A	2	A	T	M	S	X	B	R	G	1
SERIES	BOX HEIGHT	CENTER MAIN CIRCUIT BREAKER	RIGHT CIRCUIT BREAKER	LEFT CIRCUIT BREAKER	MAIN BREAKER AUX CONTACTS	BRANCH BREAKER POLES	BRANCH BREAKER AUX CONTACTS	END WALLS	MAIN BREAKER KAIC	BRANCH BREAKER KAIC	FUTURE/UNUSED	FUTURE/UNUSED	ENCLOSURE MOUNTING	GROUNDING	NEMA TYPE ENCLOSURE

B - BOX HEIGHT

OPTION CODE	ENCLOSURE	"H"	QTY. 2-POLE BREAKERS
38	MH38	38in	1-12
56	MH56	56in	13-24

C - CENTER MAIN BREAKER (OPTIONAL)

- 100** - 100A HD2 DC BREAKER (20 KAIC)
- 200** - 200A JD2 DC BREAKER (20 KAIC)
- ###** - SPECIAL "HD2" FRAME TRIP RATING (20 KAIC, 050A THRU 150A)
- ###** - SPECIAL "JD2" FRAME TRIP RATING (20 KAIC, 175A THRU 250A)
- LUG** - CU-AL COMPRESSION LUGS (DIRECT CONNECTION TO DC BUS)

D - RIGHT CIRCUIT BREAKER (OPTIONAL)

- XXX** - NOT SUPPLIED
- 100** - 100A HD2 DC BREAKER (20 KAIC)
- 200** - 200A JD2 DC BREAKER (20 KAIC)
- ###** - SPECIAL "HD2" FRAME TRIP RATING (20 KAIC, 050A THRU 150A)
- ###** - SPECIAL "JD2" FRAME TRIP RATING (20 KAIC, 175A THRU 250A)

E - LEFT CIRCUIT BREAKER (OPTIONAL)

- XXX** - NOT SUPPLIED
- 100** - 100A HD2 DC BREAKER (20 KAIC)
- 200** - 200A JD2 DC BREAKER (20 KAIC)
- ###** - SPECIAL "HD2" FRAME TRIP RATING (20 KAIC, 050A THRU 150A)
- ###** - SPECIAL "JD2" FRAME TRIP RATING (20 KAIC, 175A THRU 250A)

*NOTICE - SUM OF THREE (3) MAIN BREAKER TRIP RATINGS NOT TO EXCEED 400A

G - BRANCH BREAKERS

- 2** - STANDARD 2-POLE "BDL2" FRAME BREAKERS
DCP38: 1-12 BREAKERS
DCP56: 1-24 BREAKERS
- 1** - OPTIONAL 1-POLE "BDL1" FRAME BREAKERS
DCP38: 1-24 BREAKERS
DCP56: 1-48 BREAKERS

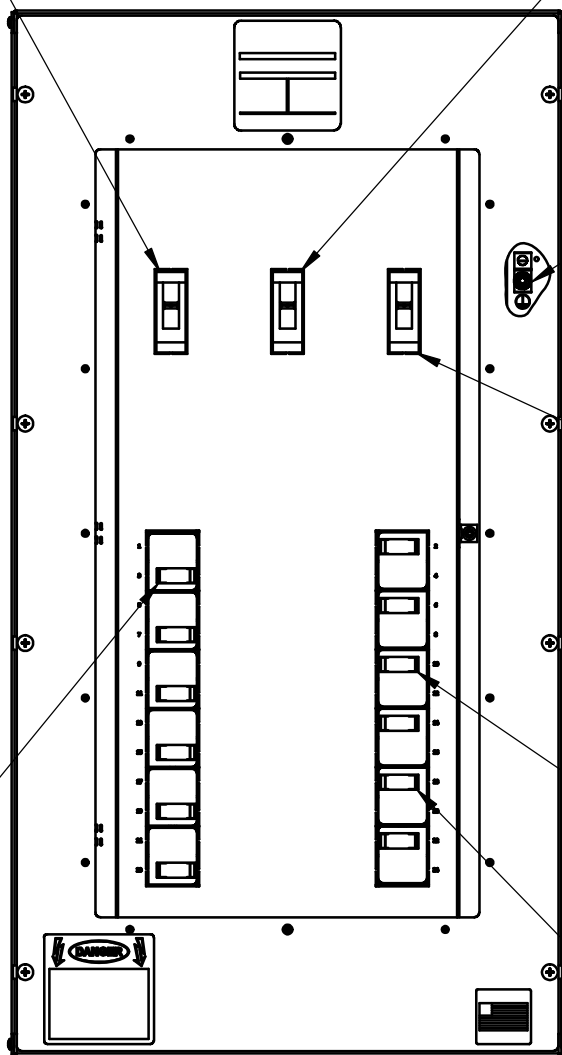
- K** - MAIN BREAKER KAIC
S - STANDARD
M - MEDIUM
H - HIGH

- Q** - GROUNDING
X - STANDARD CU-AL COMPRESSION LUG
G - OPTIONAL GROUND BUS BAR

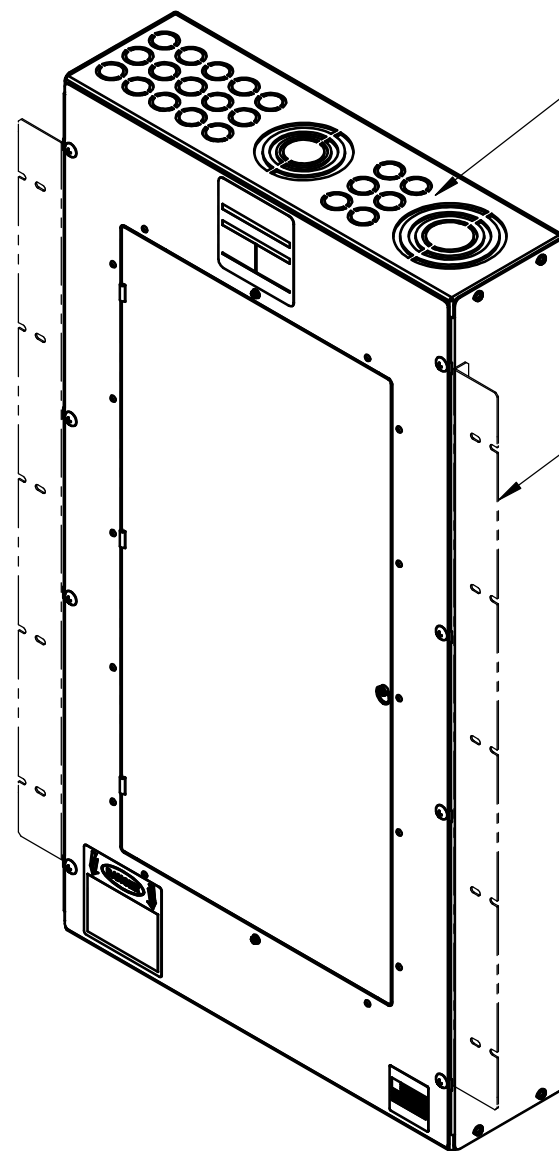
- F** - MAIN BREAKER AUX CONTACTS
X - NOT REQUIRED
1 - QTY.1: 1 CENTER
2 - QTY.2: 2 CENTER
3 - QTY.2: 1 CENTER/1 RIGHT
4 - QTY.4: 2 CENTER/2 RIGHT
5 - QTY.3: 1 CENTER/1 RIGHT/1 LEFT
6 - QTY.6: 2 CENTER/2 RIGHT/2 LEFT

- H** - BRANCH BREAKER AUX CONTACTS
X - NOT REQUIRED
1 - REQUIRED

- L** - BRANCH BREAKER KAIC
S - STANDARD
M - MEDIUM
H - HIGH



FRONT VIEW



ISO VIEW

- J** - END WALLS
T - STANDARD TOP END WALL WITH CONDUIT KNOCKOUTS & BOTTOM END WALL BLANK
B - OPTIONAL TOP & BOTTOM END WALLS WITH CONDUIT KNOCKOUTS

- P** - ENCLOSURE MOUNTING
X - STANDARD REAR WALL-MOUNTING (SEE SHEET 1)
R - OPTIONAL BRACKETS FOR 23in/584mm EIA RACK-MOUNTING (INSTALLED FROM FACTORY)

- R** - ENCLOSURE TYPE
1 - STANDARD NEMA TYPE-1

REV. 5	DRN BY MS	CHK BY KB	APP BY ND	DATE 2/24/2023	DRN BY MS	DATE 12/17/2021	<h1>HINDLEPOWER</h1>			
DESCRIPTION				TOP KNOCKOUTS NOW STANDARD & ADDED AUX SWITCH OPTION	CHK BY SW	DATE 12/17/2021		TITLE		
					APP BY ND	DATE 12/17/2021			DC CONTROL PANEL	
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						B	1:7	JE5368-00	5	4 OF 4

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