Instruction Leaflet **IL014069EN** Effective February 2024

Pow-R-Line 1X/2X/3X Installation reference for tall interiors

National Electrical Code, Readily Accessible 6'7" rule

What is the Readily Accessible 6'7" rule?

The National Electrical Code® 6'7" rule requires that devices must be readily accessible and installed so that the centerline of the overcurrent protective device operating handle, while in its highest position, is not more than 6 feet 7 inches above the floor or working platform.

How to calculate height of centerline of breaker operating handle

A = B + C – D

A = Distance from centerline of breaker operating handle to floor or working platform (maximum 79 inches)

B = Height of box (ex. EZB2090R = 90 inches)

C = Distance from floor or working platform to bottom of box

D = Distance from centerline of breaker operating handle to top of box

How to calculate height above floor or working platform to mount the box

C = A + D – B

A = Distance from centerline of breaker operating handle to floor or working platform (maximum 79 inches)

B = Height of box (ex. EZB2090R = 90 inches)

C = Distance from floor or working platform to bottom of box

D = Distance from centerline of breaker operating handle to top of box

Note: Dimensions displayed in this document are estimates and must be verified by the installing contractor after final assembly and installation.

Powering Business Worldwide

Pow-R-Line 1X/2X, Power Defense Frame 2, 100 A and 225 A

How to calculate height of centerline of breaker operating handle

A = B + C – D

Example (Figure 1, 100 A max.)

B = 72.00 inches

C = 6.00 inches

D = 10.06 inches

A = 72.00 + 6.00 – 10.06 inches

A = 67.94 inches

67.94 inches < 79.00 inches ➔ Acceptable

How to calculate height above floor or working platform to mount the box

C = A + D – B

Example (Figure 1, 225 A max.)

A = 79.00 inches

B = 90.00 inches

D = 11.06 inches

C = 79.00 + 11.06 – 90.00 inches

C = 0.06 inches

0.06 inches > 0.00 inches ➔ Acceptable

A = Distance from centerline of breaker operating handle to floor or working platform (maximum 79.00 inches)

B = Height of box (ex. EZB2090R = 90.00 inches)

C = Distance from floor or working platform to bottom of box

D = Distance from centerline of breaker operating handle to top of box

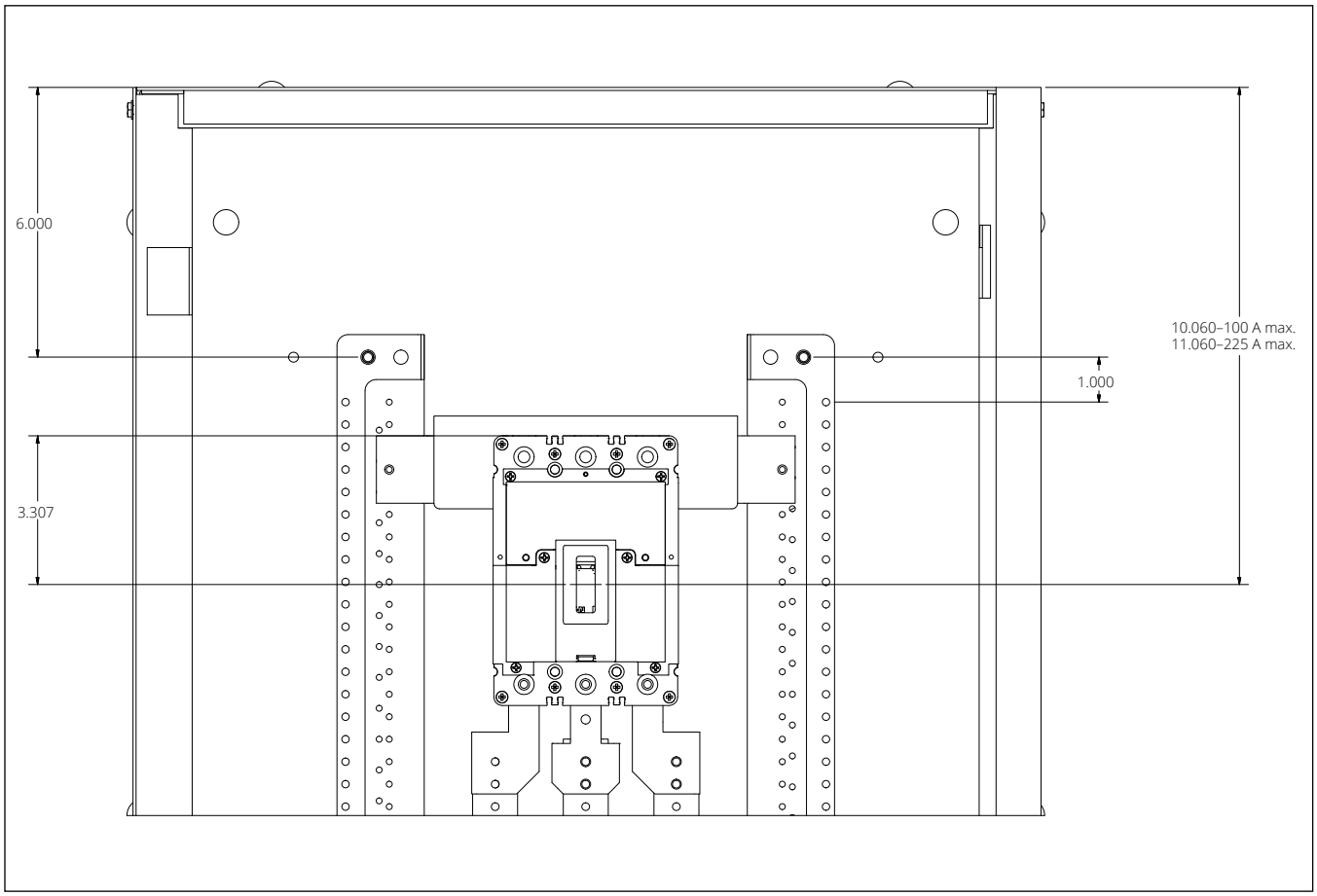

Figure 1. Pow-R-Line 1X/2X, Power Defense Frame 2, 100 A and 225 A

Pow-R-Line 1X/2X, Power Defense Frame 3, 400 A

How to calculate height of centerline of breaker operating handle

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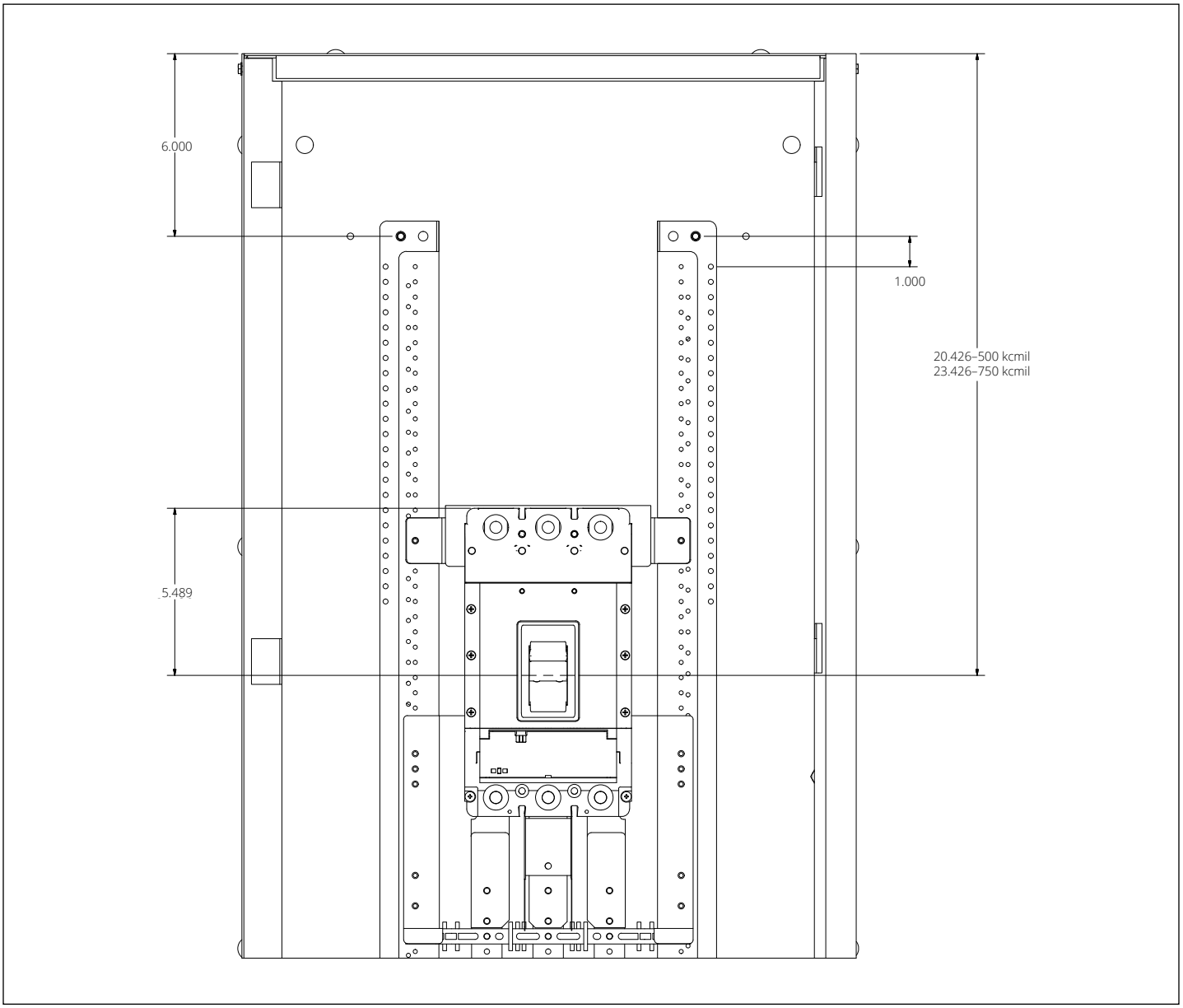

Figure 2. Pow-R-Line 1X/2X, Power Defense Frame 3, 400 A

Pow-R-Line 1X/2X, Power Defense Frame 3, 600 A

How to calculate height of centerline of breaker operating handle

A = B + C – D

How to calculate height above floor or working platform to mount the box

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A = Distance from centerline of breaker operating handle to floor or working platform (maximum 79 inches)
B = Height of box (ex. EZB2090R = 90 inches)
C = Distance from floor or working platform to bottom of box
D = Distance from centerline of breaker operating handle to top of box

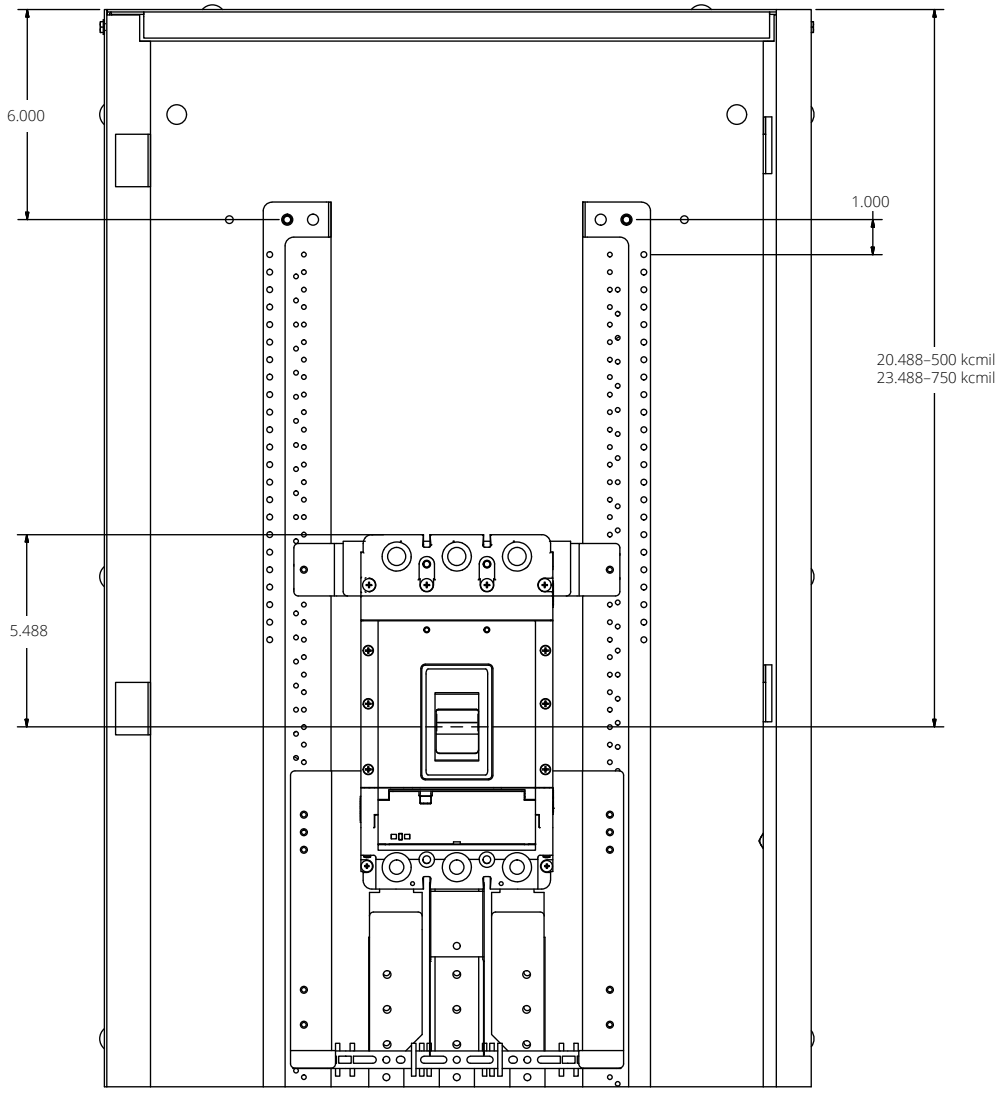

Figure 3. Pow-R-Line 1X/2X, Power Defense Frame 3, 600 A

Pow-R-Line 3X, Power Defense Frame 2, 100 A and 225 A

How to calculate height of centerline of breaker operating handle

A = B + C – D

How to calculate height above floor or working platform to mount the box

C = A + D – B

A = Distance from centerline of breaker operating handle to floor or working platform (maximum 79 inches)
B = Height of box (ex. EZB2090R = 90 inches)
C = Distance from floor or working platform to bottom of box
D = Distance from centerline of breaker operating handle to top of box

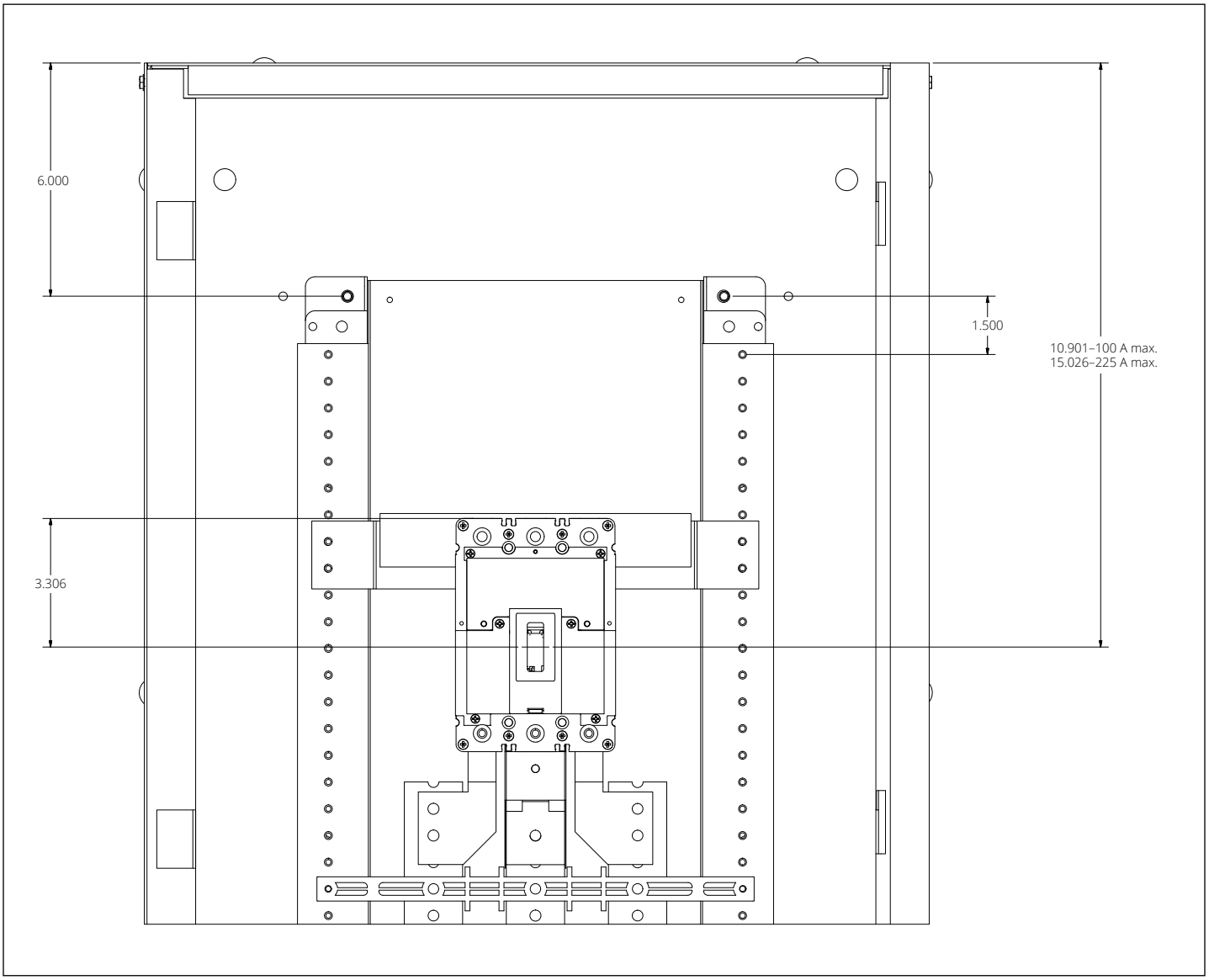

Figure 4. Pow-R-Line 3X, Power Defense Frame 2, 100 A and 225 A

Pow-R-Line 3X, Power Defense Frame 3, 400 A

How to calculate height of centerline of breaker operating handle

A = B + C – D

How to calculate height above floor or working platform to mount the box

C = A + D – B

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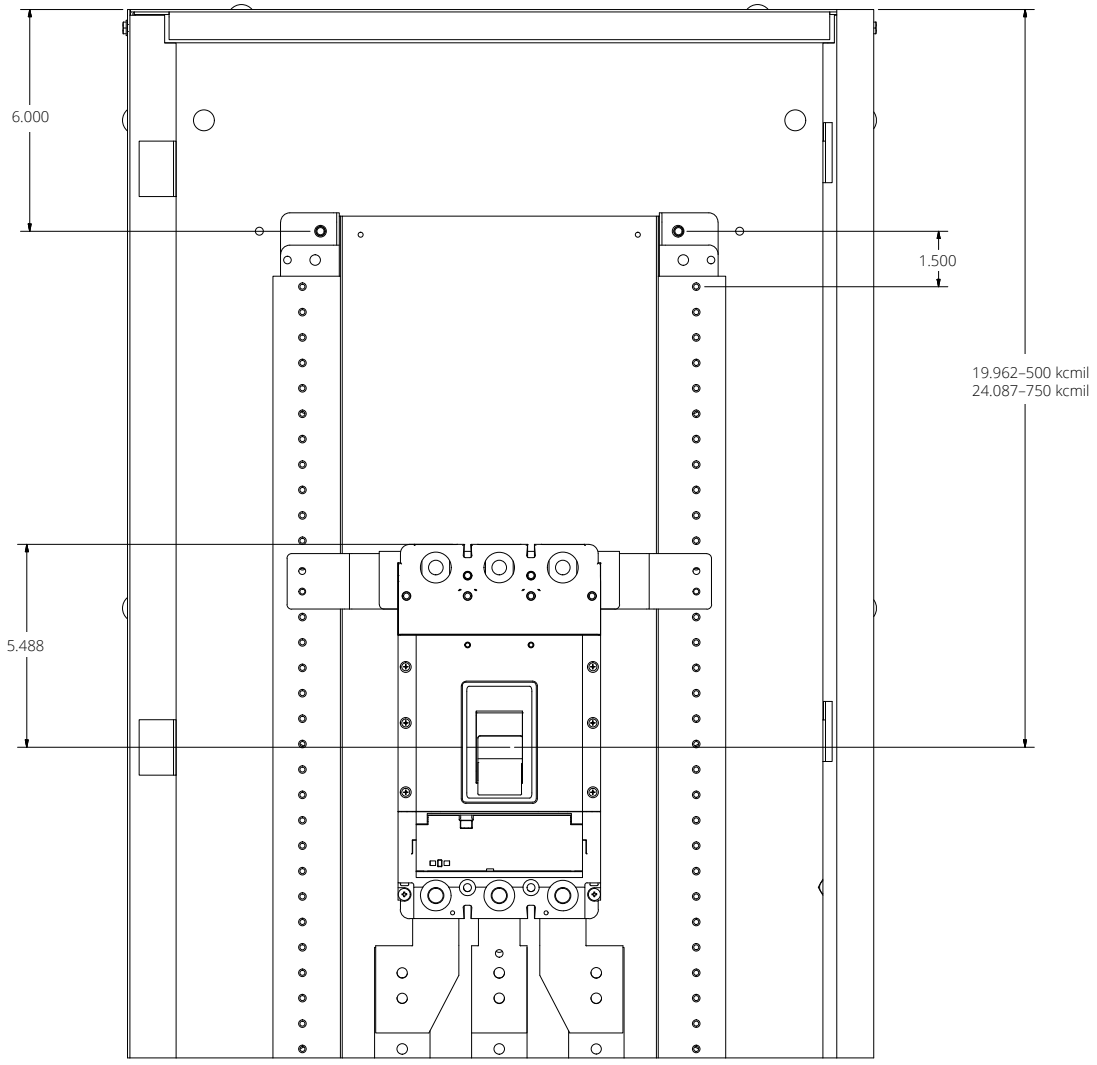

Figure 5. Pow-R-Line 3X, Power Defense Frame 3, 400 A

Pow-R-Line 3X, Power Defense Frame 3, 600 A

How to calculate height of centerline of breaker operating handle

A = B + C – D

How to calculate height above floor or working platform to mount the box

C = A + D – B

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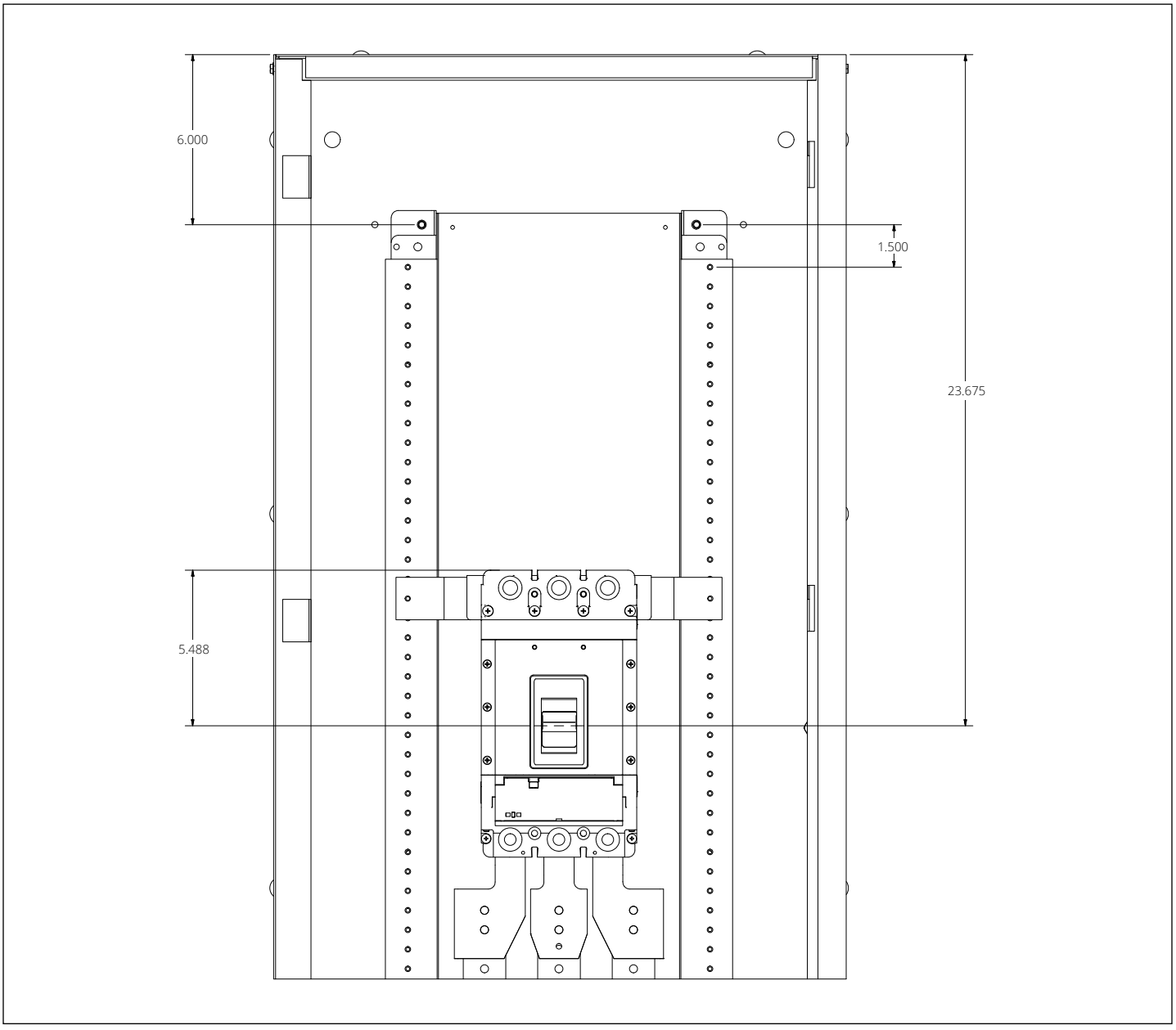

Figure 6. Pow-R-Line 3X, Power Defense Frame 3, 600 A

Pow-R-Line 1X/2X/3X
Installation reference for tall interiors

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