

ReliaGear™ neXT

NEMA 1, 2, 3R, 4, 4X and 12 Enclosures

WARNING
 Danger of electrical shock or injury. Turn OFF power ahead of the panel board or switchboard before working inside the equipment or removing any component. Equipment is to be installed and maintained by properly trained and qualified personnel only.



1

NEMA 1 and 2 enclosure to wall mounting

Enclosure mounting holes
Plate hole distance from edges

Height	Holes	A	B	C
60"	4	5"	N/A	8"
72"	4	5"	N/A	8"
84"	6	5"	42"	8"
96"	6	5"	48"	8"

Note: Use (4) or (6) 3/8" bolts, see table for number of mounting holes

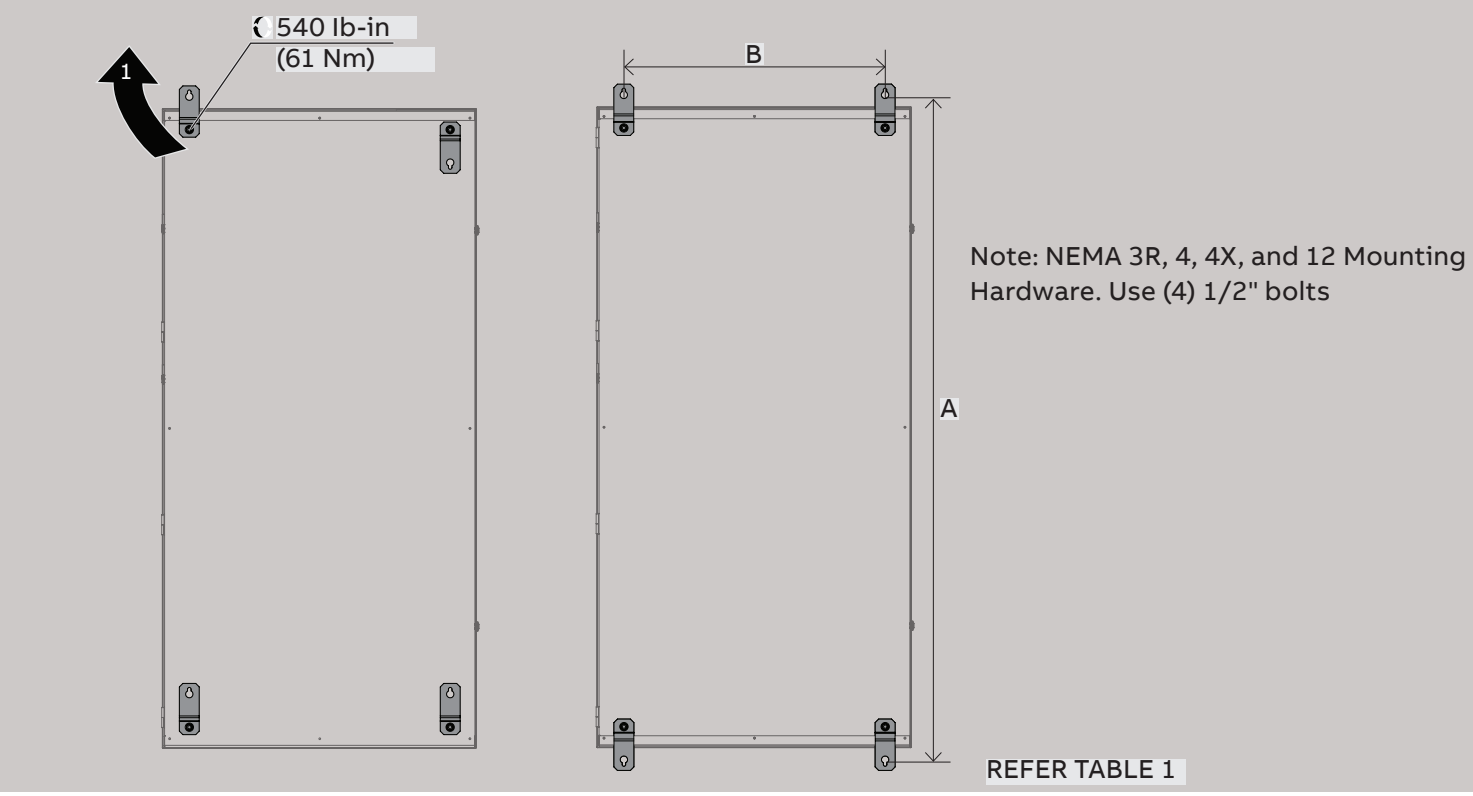
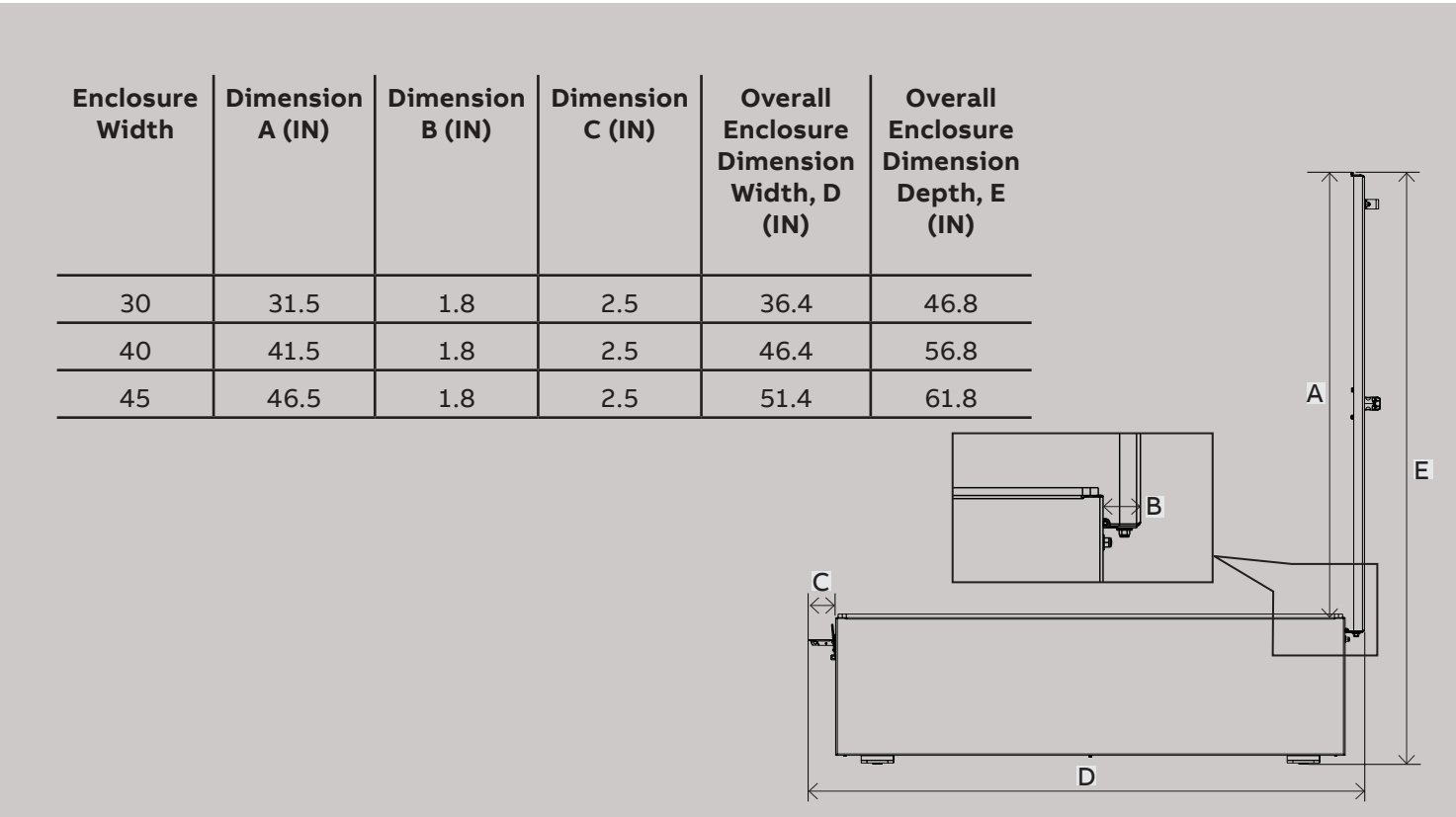
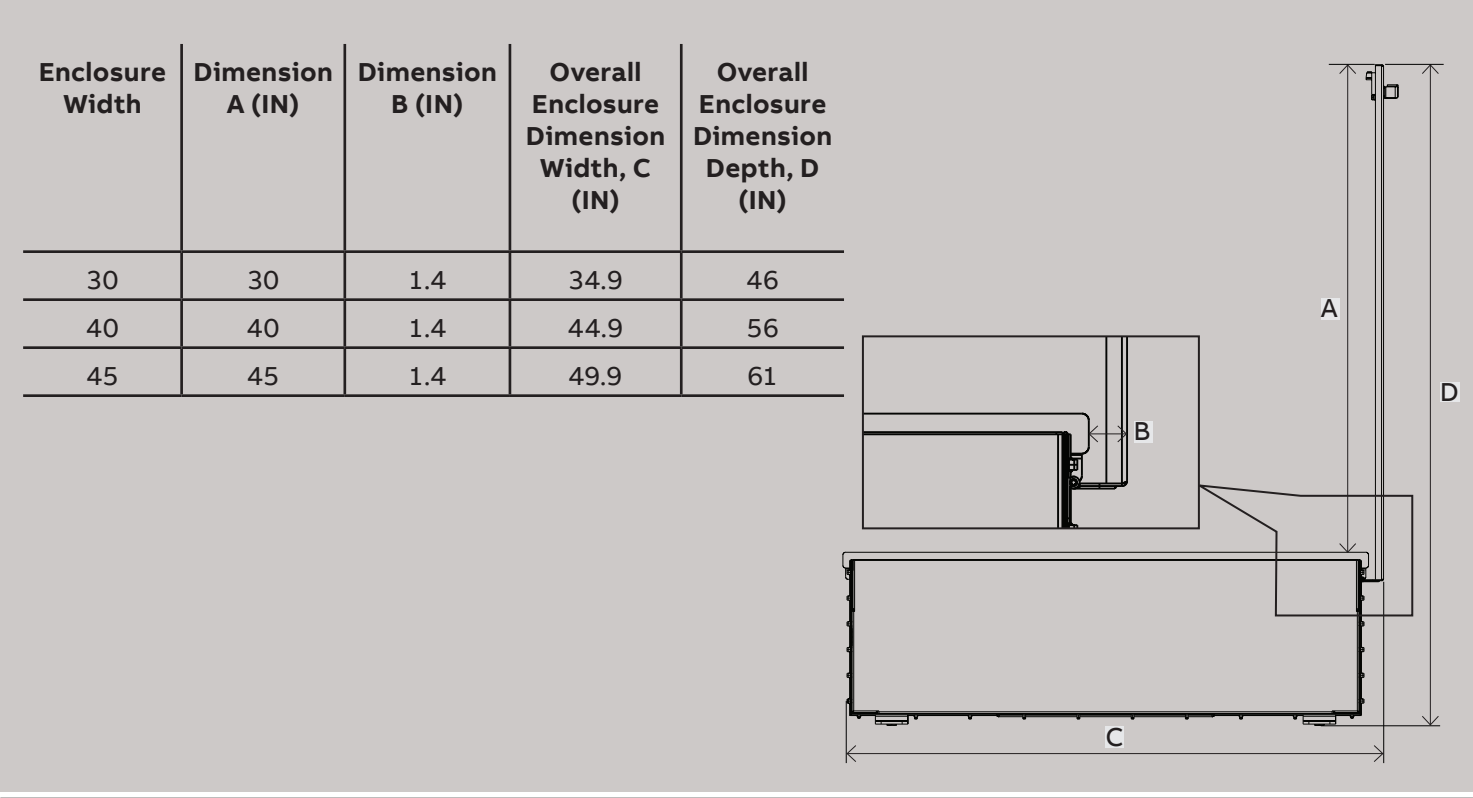


Table 1.

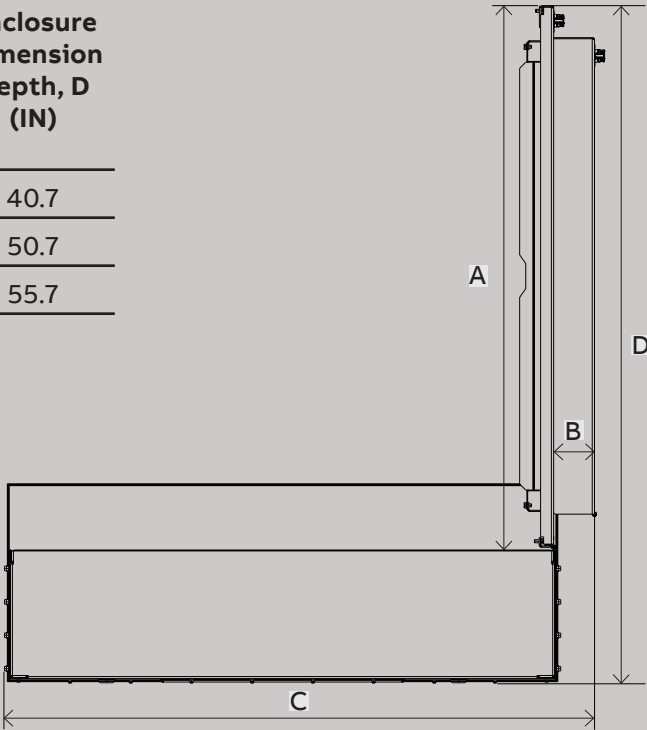
ENCLOSURE EXTERIOR SIZE (IN)	DIMENSION A (IN)	DIMENSION B (IN)
30 (33.5) W x 60 (61.0) H	65.97	24.47
30 (33.5) W x 72 (73.0) H	77.97	24.47
30 (33.5) W x 84 (85.0) H	89.97	24.47
30 (33.5) W x 96 (97.0) H	101.97	24.47
40 (43.5) W x 60 (61.0) H	65.97	34.47
40 (43.5) W x 72 (73.0) H	77.97	34.47
40 (43.5) W x 84 (85.0) H	89.97	34.47
40 (43.5) W x 96 (97.0) H	101.97	34.47
45 (48.5) W x 60 (61.0) H	65.97	39.47
45 (48.5) W x 72 (73.0) H	77.97	39.47
45 (48.5) W x 84 (85.0) H	89.97	39.47
45 (48.5) W x 96 (97.0) H	101.97	39.47

Note: Values in parentheses are overall enclosure dimensions.



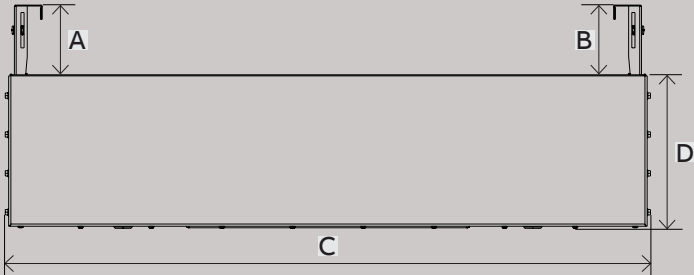
*Also applicable to NEMA1 with Door-in-Door style front

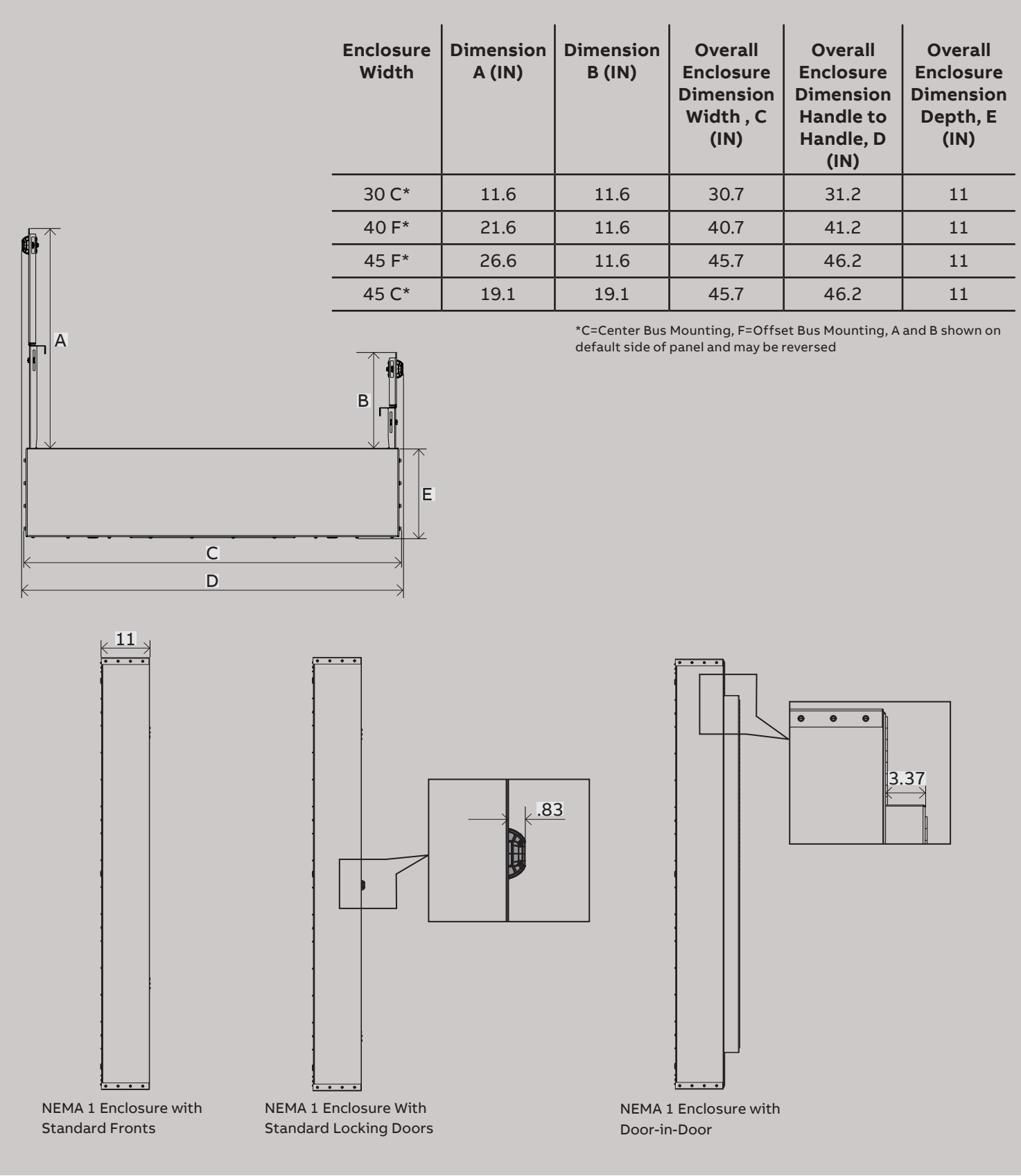
Enclosure Width	Dimension A (IN)	Dimension B (IN)	Overall Enclosure Dimension Width, C (IN)	Overall Enclosure Dimension Depth, D (IN)
30	29.8	3.6	34.5	40.7
40	39.8	3.6	44.5	50.7
45	44.8	3.6	49.5	55.7

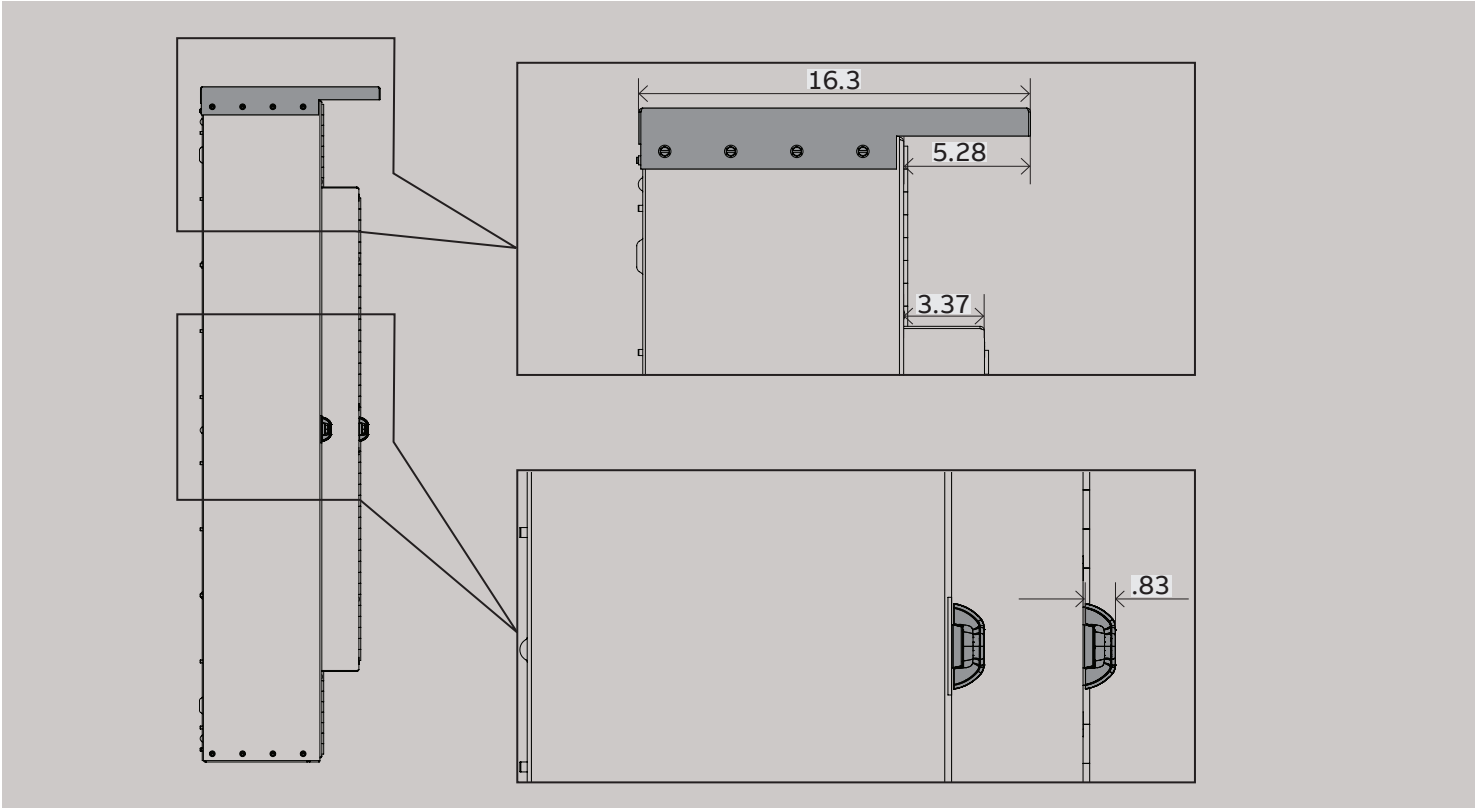
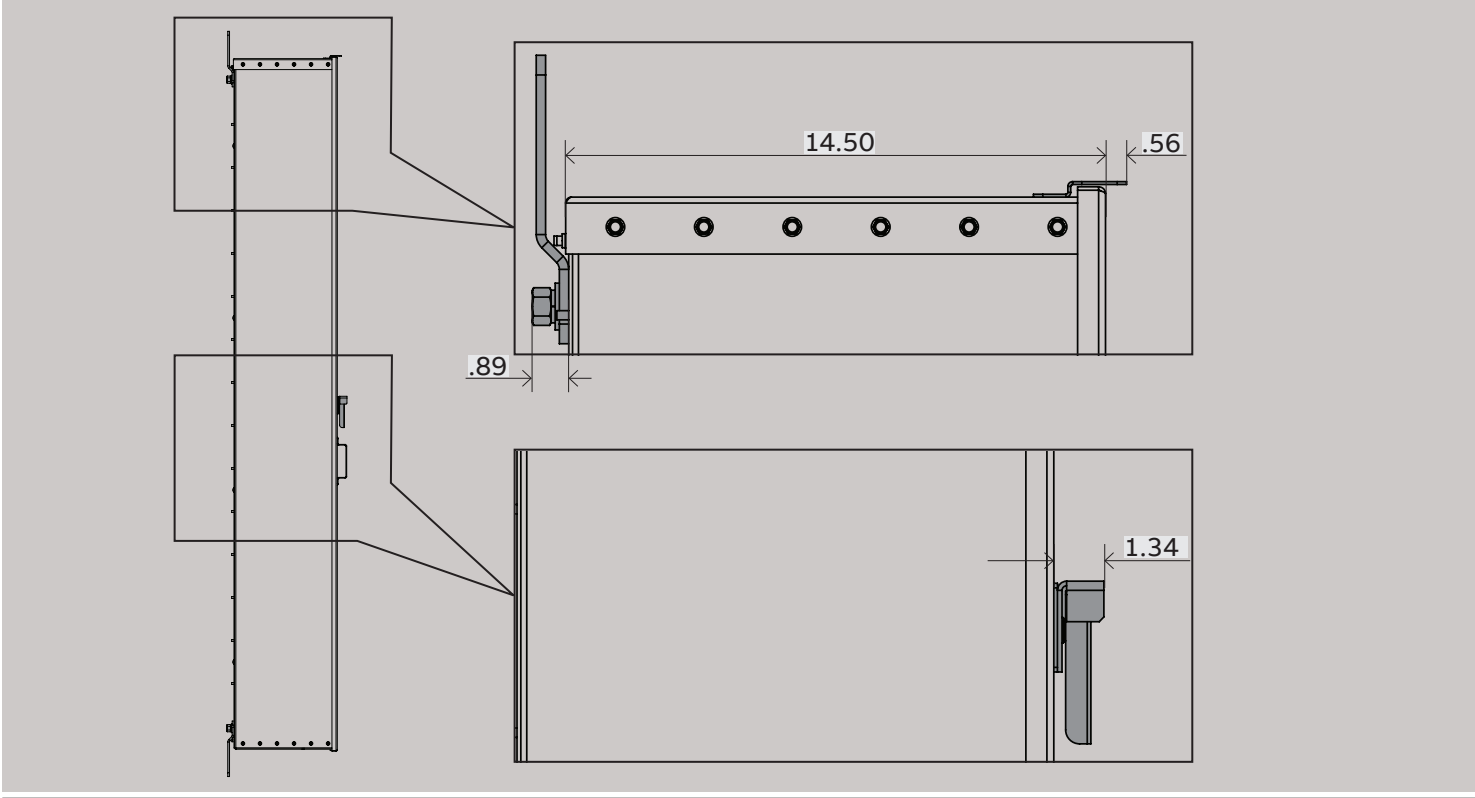


Enclosure Width	Dimension A (IN)	Dimension B (IN)	Overall Enclosure Dimension Width, C (IN)	Overall Enclosure Dimension Depth, D (IN)
30 C*	4.9	4.9	30.7	11
40 F*	7.4	4.9	40.7	11
45 F*	12.4	4.9	45.7	11
45 C*	7.4	7.4	45.7	11

*C=Center Bus Mounting, F=Offset Bus Mounting, A and B shown on default side of panel and may be reversed







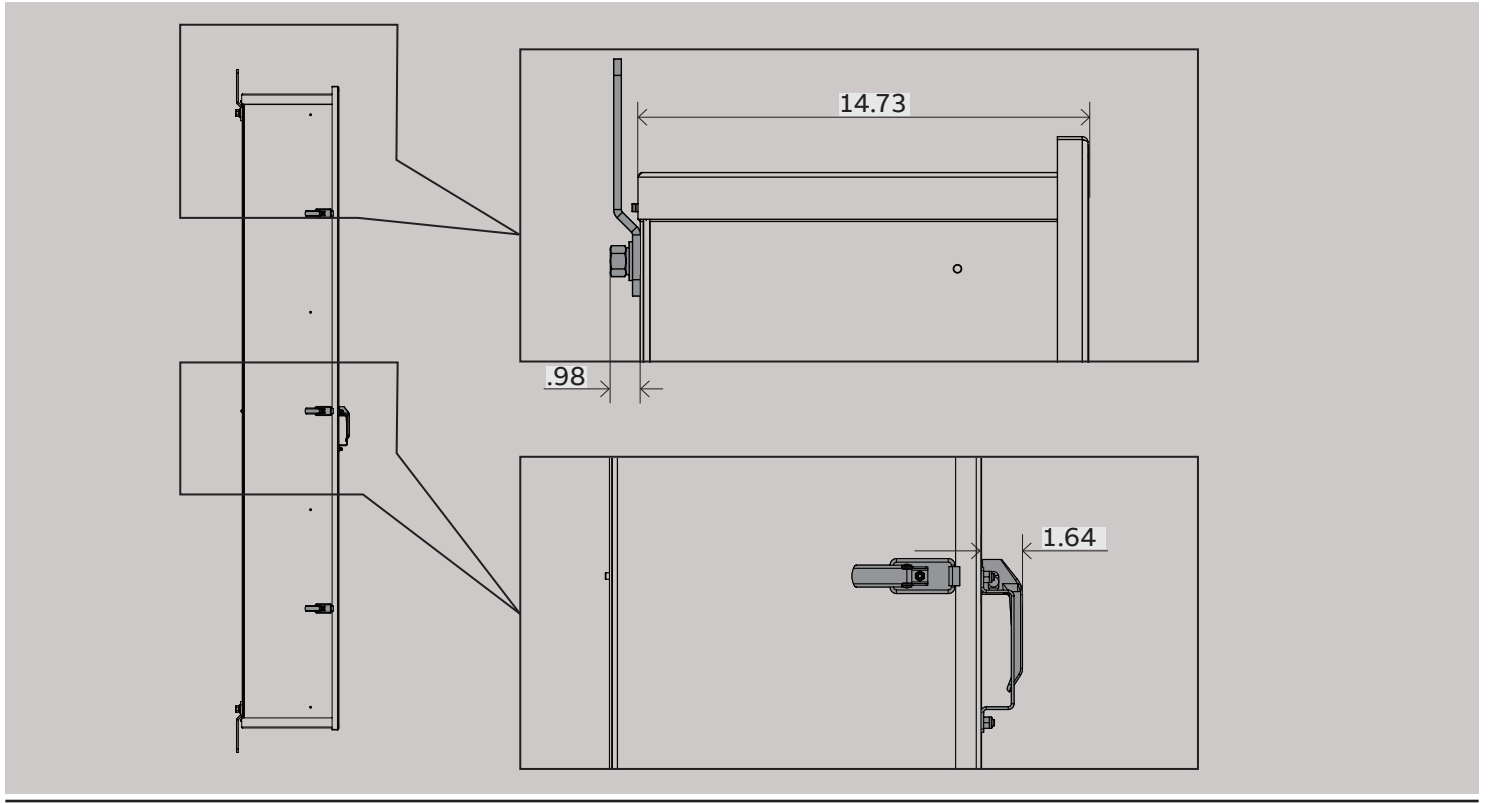


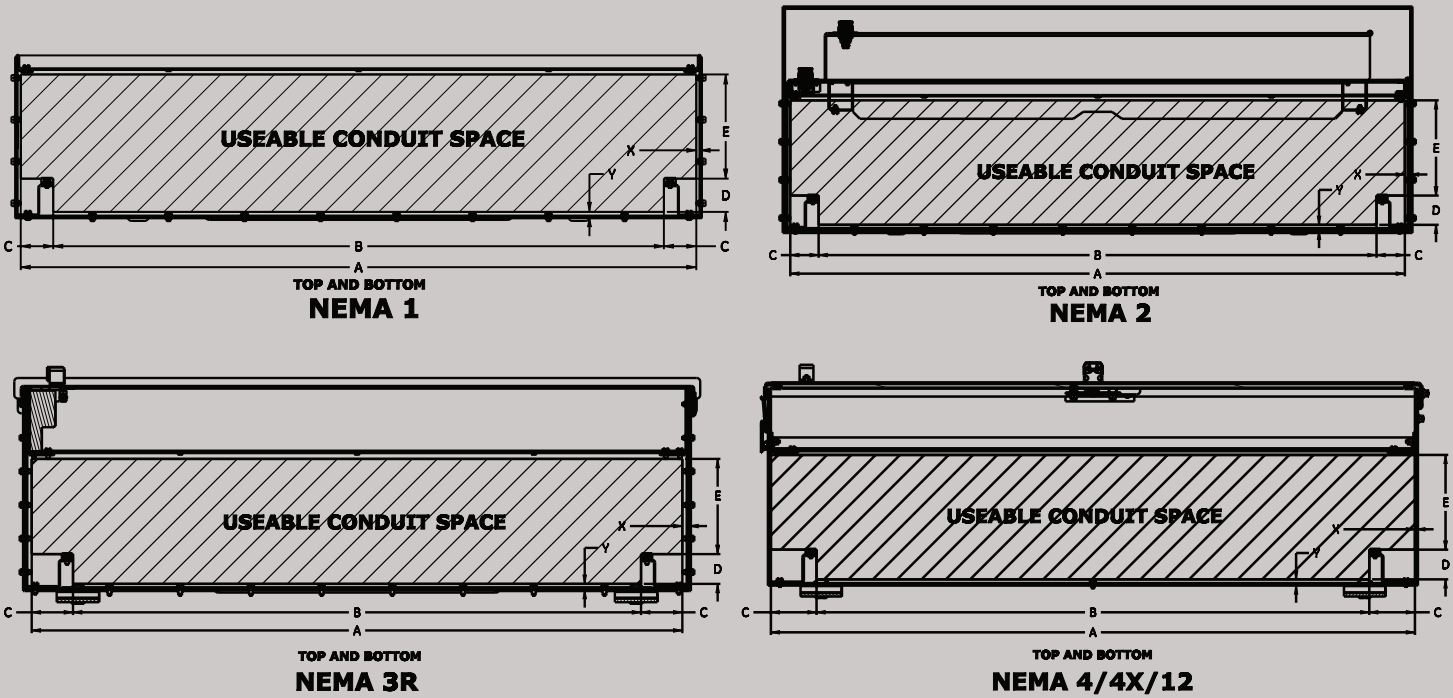
Table 2.

Conduit Space (Top and Bottom)		Enclosure Type			
Dimension	Enclosure Width	NEMA 1	NEMA 2*	NEMA 3R	NEMA 4/4X/12
A (IN)	45	44		46	
	40	39		41	
	30	29		31	
B (IN)	30/40/45	25/35/40			
C (IN)	30/40/45	2		2.9	3.3
D (IN)	30/40/45	2.2			
E (IN)	30/40/45	6.7			
Y (IN) (Distance off Backwall)	30/40/45	0.35	0.45	0.45	0.38
X (IN) (Distance off Right Sidewall)	30/40/45	0.25	0.4	0.5	0.1

*NEMA 2 has double top wall due to drip hood. All other enclosure conduit space is a single thickness of sheet metal.

Conduit hubs should comply with the requirements in the Standard for Conduit, Tubing, and Cable Fittings, UL 514B.

Conduit hubs should comply with the requirements of the UL50E NEMA rating of the ReliaGear neXT enclosure they are installed on in order to maintain the enclosure’s rating.



Consider your specific neutral and ground configuration when planning conduit space. Depending on type or types included in your panel and their location, the ground or neutral assemblies could become an obstruction to the installation of Conduit Hubs.

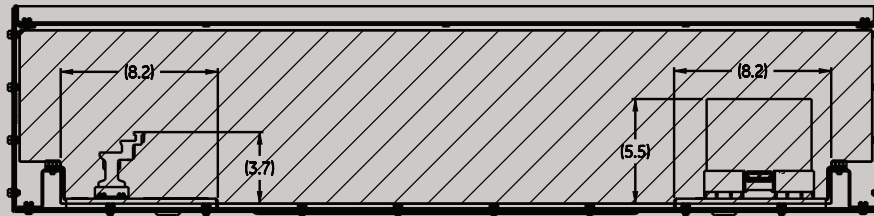
Refer to the images below to understand these potential obstructions.

Not all ground and neutral types are shown below. Refer to your specific panel configuration for more information.

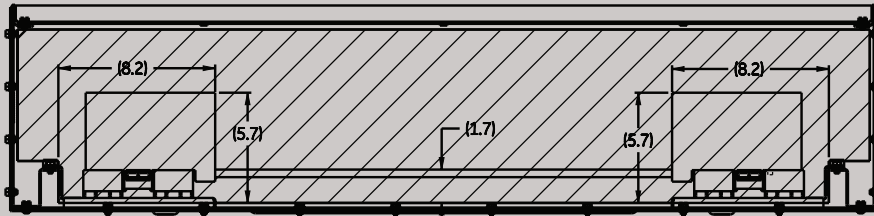
Dimensions are to common references of the conduit space already defined for all types of enclosures.

Wires to be installed in Grounds and Neutrals have not been shown and may themselves cause an obstruction.

Neutral and Ground Considerations (Applies to All Enclosures)



Ground (Left), Neutral (Right)



200% Rated Neutrals



T&B® Liquidtight Fittings for flexible conduits are suitable for a wide range of enclosure installations including those described within these instructions.

All T&B® Liquidtight fittings and conduits have been rigorously tested to ensure that they meet the same special standards. Each product offers the highest quality core materials and jacket extrusions with trade sizes ranging from 3/8-inch to 6-inch (12 mm to 155 mm), meeting world standards including UL, CSA, IEC/EN or CE. The line covers a full range of ingress protection ratings and temperature ratings.

For more information on T&B® Liquidtight fittings consult your local ABB representative or go to ABB.com to find the latest T&B® Liquidtight Systems™ Catalog.

Disclaimer: These instructions do not cover all details or variations in equipment nor do they provide for every possible contingency that may be met in connection with installation, operation or maintenance. Should further information be desired or should particular problems arise that are not covered sufficiently for the purchaser's purposes, the matter should be referred to the ABB Company.

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