NEMACO™
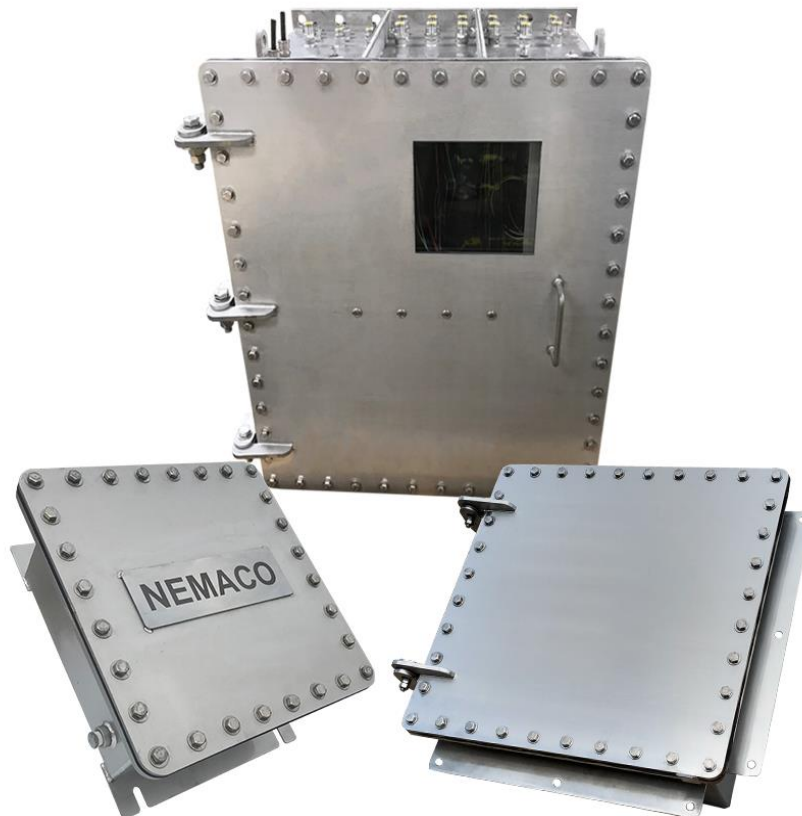
EXCELLENT ELECTRICAL ENCLOSURES

UL LISTED SUBMERSIBLE ENCLOSURES
NEMA 6P STAINLESS STEEL (IP67 / IP68)

MADE IN U.S.A.

c(UL)us LISTED

PERFORMANCE CLASS ENCLOSURES
* Submersible Waterproof NEMA 6P (IP68)Enclosures
* 15 Ft. - 24 Hour Performance Testing Factory Standard
* Conduit & Cable Waterproof Sealing Solutions
* Advanced Rust Free Passivation Surface Cleaning
* Submersible Enclosures available in 304 and 316 SS

Tel (281) 251-4233   NEMACO.COM   SALES@NEMACO.COM

INDUSTRIAL & BUSINESS APPLICATIONS

NEMA 6P (IP67/IP68) Stainless Steel Enclosures (and junction boxes) provide excellent protection in submersible environments against corrosion and the entry of water during occasionally continued submersion. These submersible enclosures are widely used in the following industrial sectors: Communications, Electrical Power, Transit, Signaling and Rail Control, Water Treatment Facilities, Security, and Marine Electronics.

NEMA 6P / IP68 SUBMERSIBLE ENCLOSURE QUALITY STANDARDS

Nemaco's performance class submersible NEMA 6P / IP68 enclosures are manufactured to be strong, tough & durable for rough environments. Therefore, Nemaco use the most ideal materials for each design and application. All enclosures are performance factory tested 24 hrs. using ISO17025 international standard instrumentation and test equipment. Custom PerformanceTesting

PERFORMANCE MATERIALS AVAILABLE & OPTIONS

* 304 & 316 Stainless Steel with Chemical Passivation Cleaning.
* Powder Coated Aluminum with 316SS Stainless Steel Hardware.
* Non-Conductive Fiberglass Reinforced Plastic (FRP).
* Performance Class Seals: Silicone (UL Approved). EPDM, VITON, BUNA-N.
* Mechanical Hardware: Hinges, Pull Handles and Captive Hardware.
* Clear Windows (non-UL) are designed and available upon request.
* Pipe Fittings (NPT, FPT, FF), Cable Glands, and Roxtec Seals are available.
* Custom large enclosures are available upon request.
* NEMA 1, 3R, or 4X internal door can be installed for spacial application.
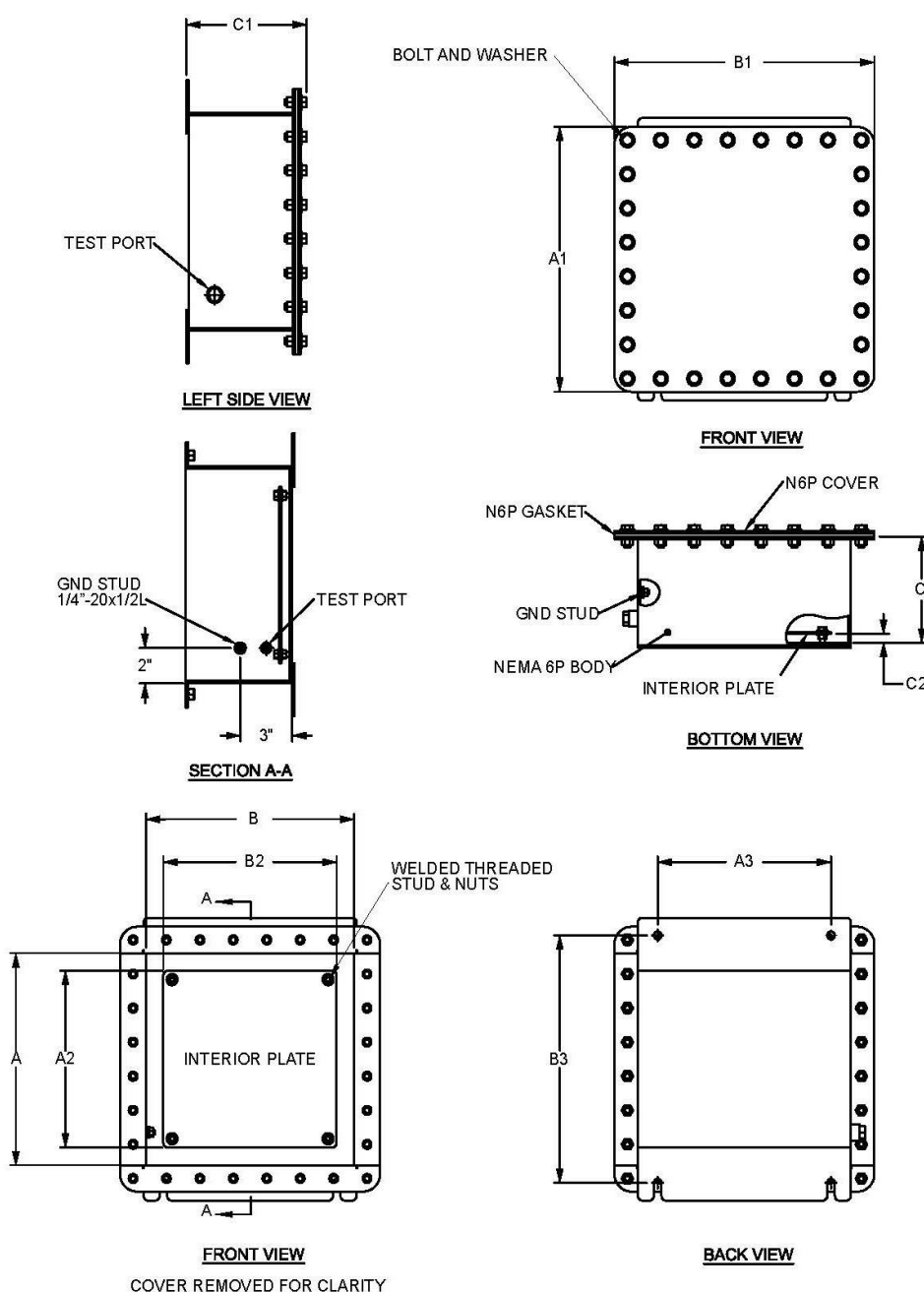* Made in the USA - Fast Custom Production Delivery to USA & Canada.

NEMA 6P SUBMERSIBLE ENCLOSURE

PLC CONTROL CABINET
COVER REMOVED FOR CLARITY

Enclosure	Interior Dimensions						Exterior Dimensions						Interior Panel (Option)					Exterior Mounting Tabs				Estimated Weight	Figure
Part Number	A x B x C						A1 x B1 x C1						A2 x B2		C2	IPT		A3 x B3			TAB	LBS.	No.
N6P040404-ULSS	4	x	4	x	4		7	x	7	x	4.5		N/A		N/A	N/A		/	x	6	10ga	8	1
N6P060604-ULSS	6	x	6	x	4		9	x	9	x	4.5		N/A		N/A	N/A		8	x	4	10ga	14	1
N6P080806-ULSS	8	x	8	x	6		11	x	11	x	6.5		6 x 6		0.5	1/4-20		10	x	6	10ga	20	1
N6P101008-ULSS	10	x	10	x	8		13	x	13	x	8.5		8 x 8		0.5	1/4-20		12	x	8	10ga	30	1
N6P121208-ULSS	12	x	12	x	8		15	x	15	x	8.5		10 x 10		0.5	1/4-20		14	x	10	10ga	39	1
N6P161608-ULSS	16	x	16	x	8		19	x	19	x	8.5		14 x 14		0.5	1/4-20		18	x	14	10ga	80	1
N6P201608-ULSS	20	x	16	x	8		24	x	20	x	8.5		18 x 14		0.5	3/8-16		22	x	14	0.38	108	2
N6P242412-ULSS	24	x	24	x	12		28	x	28	x	12.5		22 x 22		0.5	3/8-16		26	x	22	0.50	182	2
N6P303012-ULSS	30	x	30	x	12		35	x	35	x	12.5		28 x 28		0.5	3/8-16		32	x	28	0.50	293	2
N6P362412-ULSS	36	x	24	x	12		41	x	29	x	12.5		34 x 22		0.5	3/8-16		38	x	22	0.50	289	2
N6P363012-ULSS	36	x	30	x	12		41	x	35	x	12.5		34 x 28		0.5	3/8-16		38	x	28	0.50	388	2
N6P363612-ULSS	36	x	36	x	12		41	x	41	x	12.5		34 x 34		0.5	3/8-16		38	x	34	0.50	461	2
N6P483616-ULSS	48	x	36	x	16		53	x	41	x	16.5		46 x 34		0.5	3/8-16		50	x	34	0.50	625	2

Rev.1

NEMA 6P STAINLESS STEEL (IP67 / IP68)
SMALL ENCLOSURE DESIGN (FIGURE 1)

C1

LEFT SIDE VIEW

TEST PORT

BOLT AND WASHER

B1

A1

FRONT VIEW

GND STUD
1/4"-20x1/2L

TEST PORT

2"

3"

SECTION A-A

N6P GASKET

N6P COVER

GND STUD

NEMA 6P BODY

INTERIOR PLATE

C

C2

BOTTOM VIEW

B

B2

A

WELDED THREADED
STUD & NUTS

A

A2

INTERIOR PLATE

A

FRONT VIEW
COVER REMOVED FOR CLARITY

A3

B3

BACK VIEW

NOT TO SCALE

ENCLOSURE MATERIAL OPTIONS
- [ ] 304 STAINLESS STEEL
- [ ] 316 STAINLESS STEEL

STAINLESS STEEL CORROSION PROTECTION PKG.
- [ ] STANDARD PASSIVATION (EXTERIOR)
- [ ] FULL PASSIVATION (EXTERIOR AND INTERIOR)

CONDUIT/CABLE SEAL
- [ ] NPT FITTING HUBS
- [ ] CABLE GLANDS
- [ ] ROXTEC SEALS
- [ ] MULTIPIN RECEPTACLES

COVER OPTIONS
- [ ] N6P HINGE
- [ ] LIFT OFF HANDLE
- [ ] WINDOW KIT (NON UL)
- [ ] CAPTIVE HARDWARE

GASKET OPTIONS
- [ ] SILICONE (UL STANDARD)
- [ ] EPDM
- [ ] VITON
- [ ] BUNA-N

BACK PANEL (INTERIOR PLATE)
- [ ] WHITE POWDERCOATED STEEL
- [ ] WHITE POWDERCOATED ALUMINUM
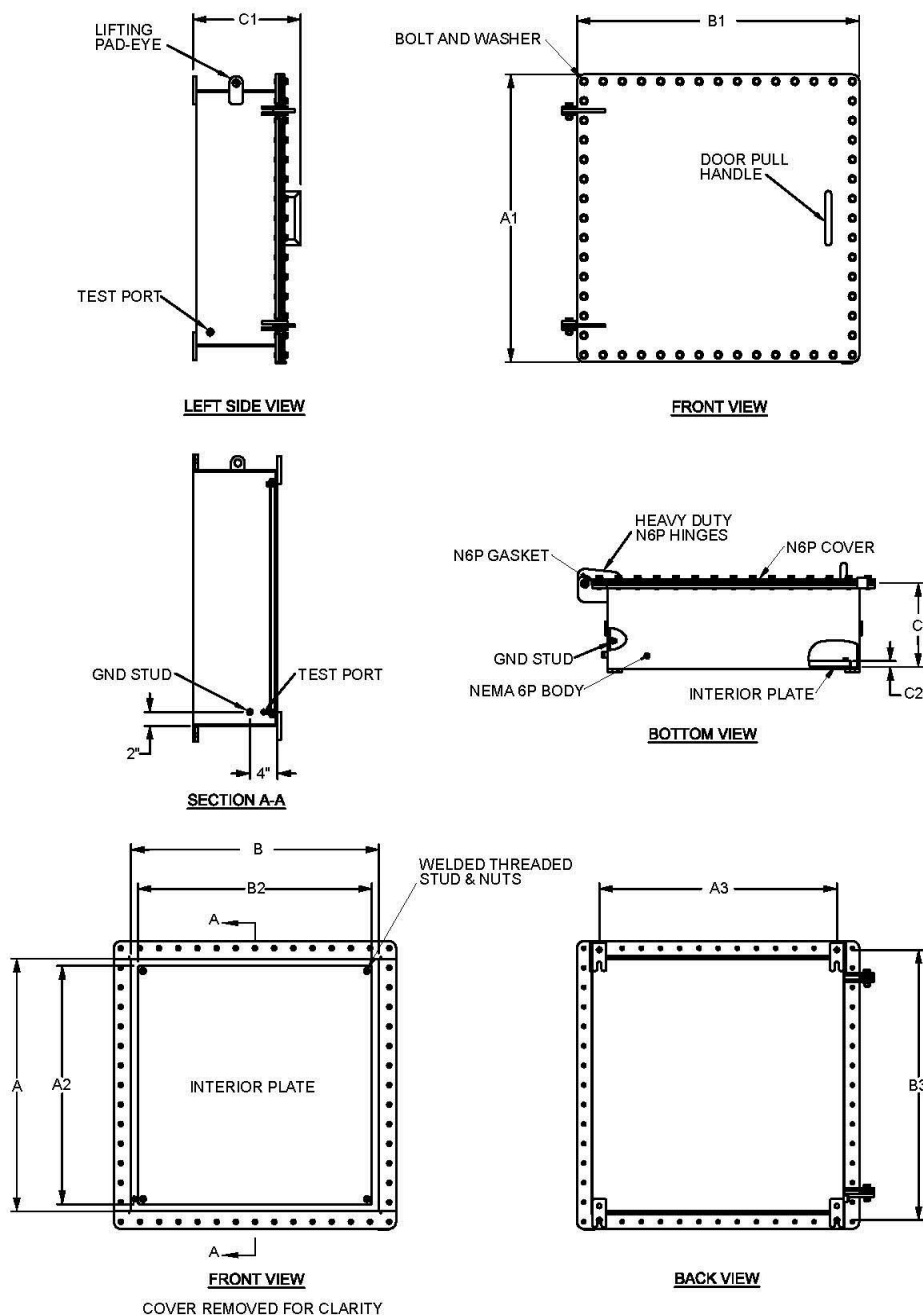- [ ] ALUMINUM, MILL FINISH
- [ ] 304 STAINLESS STEEL
- [ ] OTHER _____

DEPTH OF WATER SUBMERSION
- [ ] 5 FT. SUBMERSION
- [ ] 15 FT. SUBMERSION
- [ ] 30 FT. SUBMERSION
- [ ] 100 FT. SUBMERSION

TESTING HOUR
- [ ] 24 HRS. (STANDARD)
- [ ] 36 HRS.
- [ ] 72 HRS.
- [ ] OTHER _____

Rev.1

NEMA 6P STAINLESS STEEL (IP67 / IP68)
LARGE ENCLOSURE DESIGN (FIGURE 2)

LIFTING PAD-EYE
C1
TEST PORT
LEFT SIDE VIEW

BOLT AND WASHER
B1
A1
DOOR PULL HANDLE
FRONT VIEW

GND STUD
TEST PORT
2"
4"
SECTION A-A

HEAVY DUTY N6P HINGES
N6P GASKET
N6P COVER
GND STUD
NEMA 6P BODY
INTERIOR PLATE
C
C2
BOTTOM VIEW

B
B2
A
A
A2
WELDED THREADED STUD & NUTS
INTERIOR PLATE
FRONT VIEW
COVER REMOVED FOR CLARITY

A3
B3
BACK VIEW

ENCLOSURE MATERIAL OPTIONS
- [ ] 304 STAINLESS STEEL
- [ ] 316 STAINLESS STEEL

STAINLESS STEEL CORROSION PROTECTION PKG.
- [ ] STANDARD PASSIVATION (EXTERIOR)
- [ ] FULL PASSIVATION (EXTERIOR AND INTERIOR)

CONDUIT/CABLE SEAL
- [ ] NPT FITTING HUBS
- [ ] CABLE GLANDS
- [ ] ROXTEC SEALS
- [ ] MULTIPIN RECEPTACLES

COVER OPTIONS
- [ ] N6P HINGE
- [ ] LIFT OFF HANDLE
- [ ] WINDOW KIT (NON UL)
- [ ] CAPTIVE HARDWARE

GASKET OPTIONS
- [ ] SILICONE (UL STANDARD)
- [ ] EPDM
- [ ] VITON
- [ ] BUNA-N

BACK PANEL (INTERIOR PLATE)
- [ ] WHITE POWDERCOATED STEEL
- [ ] WHITE POWDERCOATED ALUMINUM
- [ ] ALUMINUM, MILL FINISH
- [ ] 304 STAINLESS STEEL
- [ ] OTHER _____

DEPTH OF WATER SUBMERSION
- [ ] 5 FT. SUBMERSION
- [ ] 15 FT. SUBMERSION
- [ ] 30 FT. SUBMERSION
- [ ] 100 FT. SUBMERSION

TESTING HOUR
- [ ] 24 HRS. (STANDARD)
- [ ] 36 HRS.
- [ ] 72 HRS.
- [ ] OTHER _____

NOT TO SCALE

Rev.1