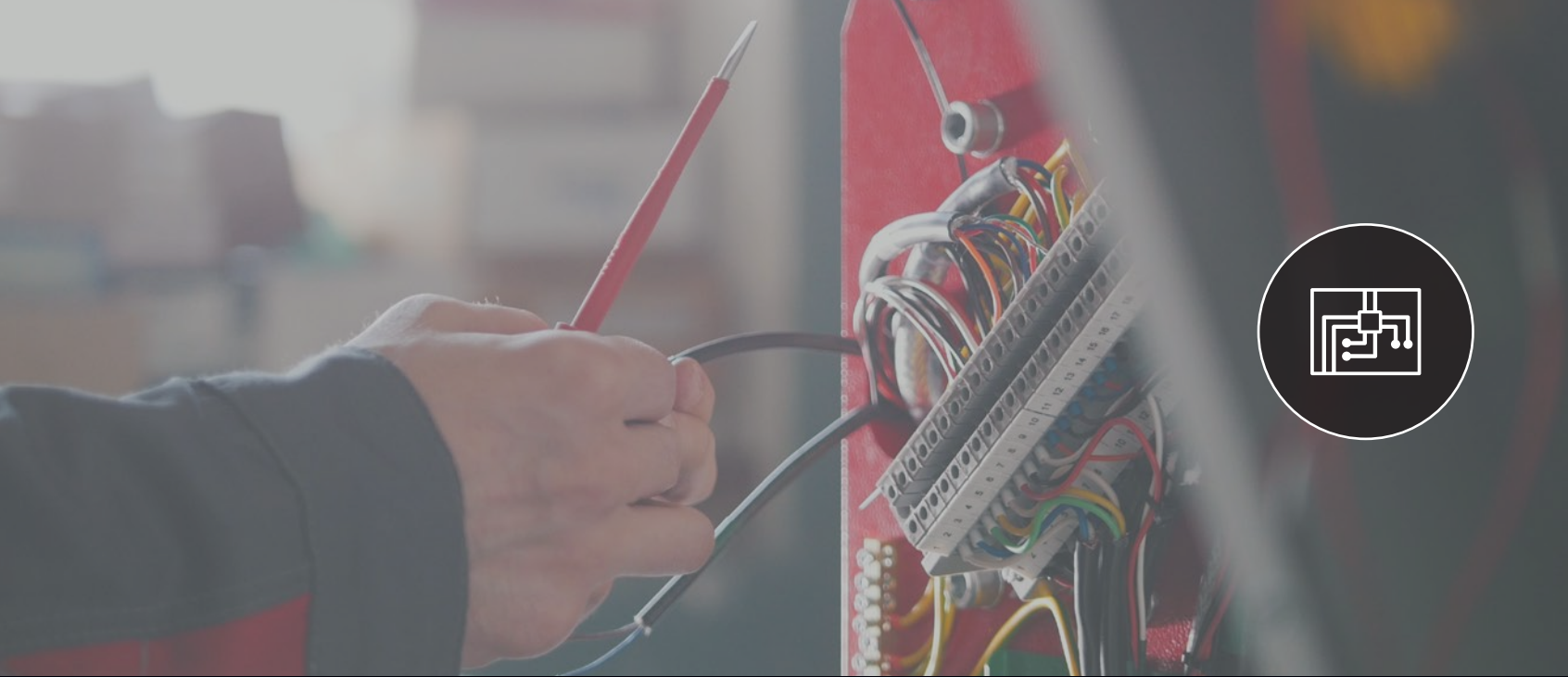




Industrial Control



PolyStar® Series





PolyStar® Series

PolyStar® Series enclosures are intended to be utilized for outdoor and indoor applications. The polycarbonate resin in the **PolyStar® Series** received the best rating, an “F1” per UL 746C. This means that the resin has passed tests for UV exposure and water immersion. The **PolyStar® Series** enclosures are rated 3R, 4, 4X, 12 per UL508A, UL50, UL50e and IP66, per IEC 60529. The material rating and the product rating can assure the user that the **PolyStar® Series** enclosures are suitable for outdoor use and exposure.

Self-extinguishing, non-halogenated, and non-flame propagating. **PolyStar® Series** is the most innovative, durable and reliable polycarbonate enclosure available.

Product Configurations

POLYSTAR® SERIES



OPAQUE
COVER



CLEAR
COVER

Attributes

- Latches and hinges do not penetrate enclosure
- Easy to remove lid
- High performance inserts
- Integrated locking hasp
- Flush-fit side mount swing panel and DIN rail system
- Built in DIN rail mounting bosses
- Multi-directional mounting feet
- Available in standard Opaque or clear with smoke tint covers
- Side mounting solutions

Industry Standards

NEMA 250, cULus Listed UL50, UL50e, UL508A	UL Listed File: E319779 Type 1, 3R, 4, 4X, 12
IEC 60529	UL Listed File: E362920 IP66
Temperature Range	(-40°F to +248°F) (-40°C to +120°C)
Flammability Rating	UL94-5VA
Self Extinguishing	Non-halogenated, non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
Outdoor UV Exposure	(f1) Rated



PC

Product Specifications

PolyStar® Series

PolyStar®
Series

Opaque Cover

PC

CONFIGURATION
Hinged, latches

PC Construction

Material	Polycarbonate with UV inhibitors
Gasket Material	Neoprene rope style, Poured polyurethane seamless gasket on select sizes
Recessed Screws	No protruding surfaces
Stainless Steel Hardware	300 Series Stainless Steel
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	All threaded brass inserts accepting 10-32 screws
Side Mount Solutions	Variable height, any side mount capability
Hinge and Latch Material	Polycarbonate with UV inhibitors
Color	Available standard in RAL 7541C

PC Modifications

Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

PC Industry Standards

NEMA 250, cULus Listed UL50, UL50e, UL508A	UL Listed File: E319779 Type 1, 3R, 4, 4X, 12
IEC 60529	UL Listed File: E362920; IP66
Temperature Range	(-40°F to +248°F) (-40°C to +120°C)
Flammability Rating	UL94-5V0
Self Extinguishing	Non-halogenated, non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
Outdoor UV Exposure	(f1) Rated

PC Accessories

BACK PANELS	Aluminum	BP__AL	pg. 174-175
	Fiberglass	BP__FG	pg. 174-175
	Carbon Steel	BP__CS	pg. 174-175
ACCESSORIES	Slot Nut Kit (includes two nuts & two screws)	PCSNK	pg. 30
	Swing Panel Mounts (4 per kit)	PCSPMK	pg. 30
	Latch Kit (2 PC latches per kit) – replacement only	PCLATCHKIT	pg. 30
	SS Latch Kit (2 – 316SS latches per kit) – replacement only	PCLATCHKITSS	pg. 30
	Accessory Kit (includes all screws, inserts, and mounting feet) – replacement only	PCACCESSORYKIT	pg. 30
KITS, ETC.	Swing Panel Kit (comes with mounts, screws and panel)	PC_SPK	pg. 30
	Din Rail		pg. 30
	Din Rail Kit		pg. 30
	Pole Mounting Kit		pg. 194



Clear Cover

CONFIGURATION
Hinged, latches

CC

CC Construction

Material	Polycarbonate with UV inhibitors
Gasket Material	Neoprene rope style, Poured polyurethane seamless gasket on select sizes
Recessed Screws	No protruding surfaces
Stainless Steel Hardware	300 Series Stainless Steel
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	All threaded brass inserts accepting 10-32 screws
Side Mount Solutions	Variable height, any side mount capability
Hinge and Latch Material	Polycarbonate with UV inhibitors
Color	Available standard in RAL 7541C

CC Modifications

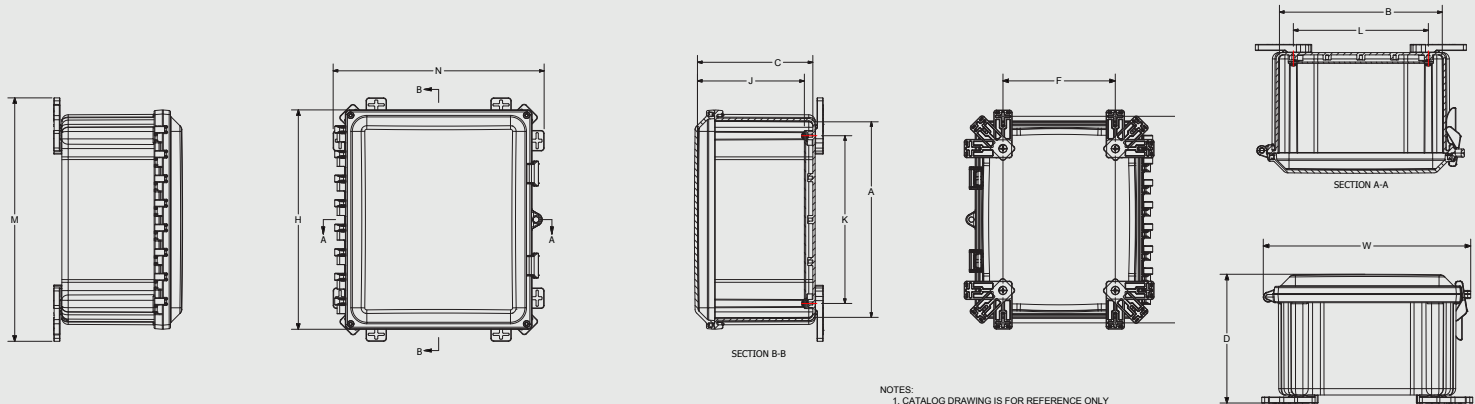
Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

CC Industry Standards

NEMA 250, cULus Listed UL50, UL50e, UL508A	UL Listed File: E319779 Type 1, 3R, 4, 4X, 12
IEC 60529	UL Listed File: E362920; IP66
Temperature Range	(-40°F to +248°F) (-40°C to +120°C)
Flammability Rating	UL94-5V0
Self Extinguishing	Non-halogenated, non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
Outdoor UV Exposure	(f1) Rated

CC Accessories

BACK PANELS	Aluminum	BP__AL	pg. 174-175
	Fiberglass	BP__FG	pg. 174-175
	Carbon Steel	BP__CS	pg. 174-175
ACCESSORIES	Slot Nut Kit (includes two nuts & two screws)	PCSNK	pg. 30
	Swing Panel Mounts (4 per kit)	PCSPMK	pg. 30
	Latch Kit (2 PC latches per kit) – replacement only	PCLATCHKIT	pg. 30
	SS Latch Kit (2 – 316SS latches per kit) – replacement only	PCLATCHKITSS	pg. 30
	Accessory Kit (includes all screws, inserts, and mounting feet) – replacement only	PCACCESSORYKIT	pg. 30
KITS, ETC.	Swing Panel Kit (comes with mounts, screws and panel)	PC_SPK	pg. 30
	Din Rail		pg. 30
	Din Rail Kit		pg. 30
	Pole Mounting Kit		pg. 194



NOTES:
 1. CATALOG DRAWING IS FOR REFERENCE ONLY.
 2. SEE ACTUAL PART DRAWING FOR SPECIFIC DESIGN.
 3. SOME SIZES HAVE (1) LATCH;
 SOME SIZES HAVE (2) LATCHES;
 SOME SIZES HAVE (4) LATCHES;
 SOME SIZES HAVE (6) LATCHES;
 4. NOTE: J DIMENSION IS WITH 0.080" THK BACK PANEL INSTALLED
 5. BACK PANEL IS SOLD SEPARATELY

SCREW SIZES & TORQUE VALUES

PRODUCT SIZES	BACK PANEL SCREW SIZE	BACK PANEL RECOMMENDED TORQUE	COVER SCREW SIZE	COVER SCREW RECOMMENDED TORQUE	MOUNTING FOOT SCREW SIZE	MOUNTING FOOT SCREW RECOMMENDED TORQUE	RECOMMENDED MOUNTING FLANGE TORQUE
All Sizes	#10-32 x 3/8	16 - 20 in-lbs	#10-32 x 5/8	20 - 24 in-lbs	1/4-20 x 1/2	10 - 14 in-lbs	25 - 30 in-lbs

PolyStar® Series – Opaque & Clear Cover

CATALOG NUMBER	OVERALL H X W X D	INSIDE A X B X C	MOUNTING HOR. E X F	MOUNTING VER. E X F	MOUNTING 45 E X F	J	K	L	M	N	SHIP WEIGHT	PANEL NUMBER
PC606 PC606CC	7.41 x 8.68 x 5.84 (188 x 223 x 148)	5.94 x 5.94 x 5.02 (151 x 151 x 127)	3.64 x 8.40 (93 x 213)	8.04 x 3.64 (204 x 93)	6.75 x 6.74 (171 x 171)	4.50 (114)	4.25 (108)	4.25 (108)	8.89 (226)	8.89 (226)	2.50 lbs.	BP66**
PC806 PC806CC	9.41 x 8.68 x 5.86 (239 x 223 x 149)	7.97 x 5.97 x 5.07 (202 x 152 x 129)	5.64 x 8.04 (143 x 213)	10.04 x 3.64 (255 x 93)	8.76 x 6.75 (223 x 171)	4.56 (116)	6.25 (159)	4.25 (108)	10.89 (277)	8.89 (226)	3.19 lbs.	BP86**
PC808 PC808CC	9.41 x 10.68 x 5.86 (239 x 271 x 149)	7.97 x 7.97 x 5.03 (202 x 202 x 128)	5.63 x 10.03 (143 x 255)	10.04 x 5.63 (255 x 143)	8.74 x 8.78 (222 x 223)	4.53 (115)	6.25 (159)	6.25 (159)	10.88 (277)	10.88 (277)	3.75 lbs.	BP88**
PC1008 PC1008CC	11.41 x 10.68 x 6.36 (290 x 271 x 161)	9.96 x 7.96 x 5.57 (253 x 202 x 142)	7.64 x 10.04 (194 x 255)	12.04 x 5.64 (306 x 143)	10.76 x 8.75 (273 x 222)	5.05 (128)	8.25 (210)	6.25 (159)	12.89 (327)	10.89 (277)	4.31 lbs.	BP108**
PC100806 PC100806CC	11.41 x 10.68 x 7.89 (209 x 271 x 200)	9.95 x 7.95 x 7.06 (253 x 202 x 179)	7.63 x 10.03 (194 x 255)	12.03 x 5.63 (306 x 143)	10.76 x 8.75 (273 x 222)	6.54 (166)	8.25 (210)	6.25 (159)	12.88 (327)	10.88 (277)	5.2 lbs.	BP108**
PC1010 PC1010CC	11.41 x 12.68 x 6.97 (209 x 322 x 177)	9.95 x 9.95 x 6.15 (253 x 253 x 156)	7.63 x 12.03 (194 x 306)	12.03 x 7.63 (306 x 194)	10.76 x 10.75 (273 x 273)	5.65 (144)	8.25 (210)	8.25 (210)	12.88 (327)	12.88 (327)	5.7 lbs.	BP1010**
PC1210 PC1210CC	13.40 x 12.68 x 7.86 (340 x 322 x 200)	11.95 x 9.95 x 7.07 (304 x 253 x 180)	9.64 x 12.04 (245 x 306)	14.04 x 7.64 (357 x 194)	12.76 x 10.75 (324 x 273)	6.56 (167)	10.25 (260)	8.25 (210)	14.89 (378)	12.89 (327)	6.19 lbs.	BP1210**
PC1412 PC1412CC	15.40 x 14.68 x 7.86 (391 x 373 x 200)	13.95 x 11.95 x 7.07 (354 x 304 x 180)	11.64 x 14.04 (296 x 357)	16.04 x 9.64 (407 x 245)	14.76 x 12.75 (375 x 324)	6.56 (167)	12.25 (311)	10.25 (260)	16.89 (429)	14.89 (378)	7.99 lbs.	BP1412**
PC1614 PC1614CC	17.65 x 16.68 x 9.98 (448 x 424 x 253)	15.93 x 13.93 x 9.20 (405 x 354 x 234)	13.64 x 16.04 (347 x 407)	18.04 x 11.64 (458 x 296)	16.76 x 14.75 (426 x 375)	8.68 (220)	14.25 (362)	12.25 (311)	18.89 (480)	16.89 (429)	10.00 lbs.	BP1614**
PC1816 PC1816CC	19.41 x 18.68 x 11.90 (493 x 474 x 302)	17.83 x 15.83 x 11.08 (453 x 402 x 281)	15.64 x 18.04 (397 x 458)	20.04 x 13.64 (509 x 347)	18.75 x 16.74 (476 x 425)	10.56 (268)	16.25 (413)	14.25 (362)	20.89 (531)	18.89 (480)	11.25 lbs.	BP1816**
PC181604* PC181604CC*	19.41 x 18.68 x 5.41 (493 x 474 x 137)	18.16 x 16.16 x 5.08 (461 x 410 x 129)	N/A	20.50 x 13.50 (521 x 343)	N/A	4.56 (116)	16.25 (413)	14.25 (362)	21.75 (552)	N/A	11.00 lbs.	BP1816**
PC2016 PC2016CC	21.41 x 18.68 x 9.97 (544 x 474 x 253)	19.86 x 15.86 x 9.15 (504 x 403 x 232)	18.75 x 19.17 (476 x 487)	23.15 x 14.75 (588 x 375)	21.91 x 17.87 (557 x 454)	8.65 (220)	18.25 (464)	14.25 (362)	24.00 (610)	20.02 (509)	14.00 lbs.	BJP2016**
PC2424* PC2424CC*	25.41 x 26.68 x 11.41 (645 x 678 x 290)	23.91 x 23.91 x 11.88 (607 x 607 x 302)	N/A	25.69 x 18.00 (653 x 457)	N/A	10.56 (268)	22.25 (565)	22.25 (565)	26.69 (678)	21.86 (555)	23.60 lbs.	BP2424PC**

All measures are in inches, items in parentheses are in millimeters.



*Does not exhibit same mounting foot design. Mounting feet are molded into the box rather than installed separately.



**Panel sold separately

*** Available with stainless steel latches by placing SS at the end of the part number. Ex: PC1210SS



Panel Kits & Accessories

DRK DIN Rails

Kit includes DIN rail that fits size indicated, plus two custom slot nuts and two thread forming screws for mounting to back of enclosure.

CATALOG #	FITS
PC6DRK	6"
PC8DRK	8"
PC10DRK	10"
PC12DRK	12"
PC14DRK	14"
PC16DRK	16"
PC18DRK	18"
PC20DRK	20"
PC24DRK	24"

DR DIN Rails

Kit includes a DIN rail that fits size indicated, plus two trilobular screws.

CATALOG #	FITS
PC6DR	6"
PC8DR	8"
PC10DR	10"
PC12DR	12"
PC14DR	14"
PC16DR	16"
PC18DR	18"
PC20DR	20"
PC24DR	24"

Aluminum Swing Panel Kits

CATALOG #	FITS
PC606SPK	6 x 6
PC806SPK	8 x 6
PC808SPK	8 x 8
PC1008SPK	10 x 8
PC1010SPK	10 x 10
PC1210SPK	12 x 10
PC1412SPK	14 x 12
PC1614SPK	16 x 14
PC1816SPK	18 x 16
PC2016SPK	20 x 16
PC2424SPK	24 x 24

SWING PANEL KIT



Accessories

CATALOG #	DESCRIPTION
PCSNK	Slot Nut Kit (includes two nuts & two screws)
PCSPMK	Swing Panel Mounts (4 per kit)
PCLATCHKIT	Latch Kit (2 latches per kit) – replacement only
PCACCESSORYKIT	Accessory Kit (includes all screws, inserts and mounting feet) – replacement only
PCLATCHKITSS	Stainless Steel Latch Kit

SLOT NUT KIT – PCSNK



LATCH KIT – PCLATCHKIT



LATCH KIT – PCLATCHKITSS



14" DIN RAIL WITH 2 SCREWS – PC__DR



SWING PANEL MOUNTS – PCSPMK



ACCESSORY KIT – PCACCESSORYKIT



14" DIN RAIL WITH 2 CUSTOM SLOT NUTS AND FORMING SCREWS – PC__DRK





J & JW Series





J & JW Series

The **J Series** enclosures follow the original design of fiberglass enclosure products featuring a modest overhang cover on a flange mounted base. This simple but elegant concept offers unobstructed side-walls, built in mounting capabilities and the strength characteristics associated with a protective wrap around cover that is hinged, latched or screwed down.

Stahlin's **J Series** enclosures are designed for general electrical and electronic applications and any application that has associated environmental concerns. Simple in its design, the enclosure can be configured with cutouts, windows and modifications that make your finished product truly unique.

J Series products enhance any instrument installation. They accommodate standard back panel mounting but offer a range of panels, including an elevated dead front panel that is highly visible through a cover mounted window.

Product Configurations

J SERIES

HPL	HW	W	HLL	FHW	3PT
HINGED, PADLOCK LATCH	HINGED, 2 COVER SCREWS	4 COVER SCREWS, LIFT OFF COVER	HINGED, TWIST LATCH	FIBERGLASS HINGE, FOUR COVER SCREWS	HINGED, LOCKABLE SWING HANDLE

JW SERIES

HPL	HLL
HINGED, PADLOCK LATCH	HINGED, TWIST LATCH

Attributes

- Available in 2 cover options on certain size enclosures:
 1. Opaque cover
 2. Flush bonded window
- Overhang cover on smooth sided base
- High temperature, flame retardant, non-corrosive
- All stainless hardware latches and screws
- Full length stainless steel hinge
- Chemically resistant fiberglass reinforced polyester
- Non-corrosive, environmental designs
- Stainless steel retention chain on screw covers
- Continuous polyurethane gasket

Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3R, 4X, 6P*, 12
CSA Std C22.2	File LR069014 Type 1, 3R, 4X, 6P*, 12
IEC 60529	File E362920 IP66 IP 6X for 3PT
UL1741	File E333478 W, HW, HPL, FHW
Plenum Space (UL2043) Compliant	Yes
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Temperature Range Window	(-26°F to +170°F) (-32°C to +76°C)
Temperature Range Clear Cover	(-30°F to +248°F) (-34°C to +120°C)
Flammability Rating	UL94-5V
Impact Rating	IK10
Self Extinguishing	Non-halogenated, non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor UV Exposure	(f1) Rated
Color	Available standard glacier grey (PMS 428c) and certain sizes and configurations standard in white.

* Available on select sizes.



HPL

Opaque Cover

HPL

CONFIGURATION

Hinged, padlock latch



HPL Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal.
Stainless Steel Hardware	300 Series stainless used on all external hardware.
Molded in Mounting Flange	Molded in flange for ease of mounting.
Mounting Bosses	Panel mounting capability for fixed rear panel.
Metal Inserts	Back panel utilizes threaded brass inserts accepting 10-32 screws.
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris.
Color	Available standard glacier grey (PMS 428C) or White*.

HPL Modifications

Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

HPL Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3R, 4X, 6P*, 12
CSA Std C22.2	File LR069014; Type 1, 3R, 4X, 6P*, 12
IEC 60529	File E362920 IP66; IP 6X for 3PT
UL1741	File E333478; W, HW, HPL, FHW
Plenum Space (UL2043) Compliant	Yes
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Flammability Rating	UL94-5V
Impact Rating	IK10
Self Extinguishing	Non-halogenated, non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

HPL Accessories

PANELS	Aluminum	BP_AL	pg. 174-175
	Fiberglass	BP_FG	pg. 174-175
	Stainless Steel	BP_SS	pg. 174-175
	Carbon Steel	BP_CS	pg. 174-175
ACCESSORIES	Dead Front Panels		pg. 180-181
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194

* Consult Factory on available sizes.



Opaque Cover

CONFIGURATION
Hinged, 2 cover screws

HW

J & JW
Series

HW Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal.
Pan Head Screws	Minimized protruding surfaces
Stainless Steel Hardware	300 Series stainless used on all external hardware.
Molded in Mounting Flange	Molded in flange for ease of mounting.
Mounting Bosses	Panel mounting capability for fixed rear panel.
Metal Inserts	Back panel utilizes threaded brass inserts accepting 10-32 screws; cover accepting 10-24 screws.
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris.
Color	Available Standard in Glacier Grey (PMS 428C) or White*.

HW Modifications

Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

HW Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3R, 4X, 6P*, 12
CSA Std C22.2	File LR069014; Type 1, 3R, 4X, 6P*, 12
IEC 60529	File E362920 IP66; IP 6X for 3PT
UL1741	File E333478; W, HW, HPL, FHW
Plenum Space (UL2043) Compliant	Yes
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Flammability Rating	UL94-5V
Impact Rating	IK10
Self Extinguishing	Non-halogenated, non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

HW Accessories

PANELS	Aluminum	BP_AL	pg. 174-175
	Fiberglass	BP_FG	pg. 174-175
	Stainless Steel	BP_SS	pg. 174-175
	Carbon Steel	BP_CS	pg. 174-175
ACCESSORIES	Dead Front Panels		pg. 180-181
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194

* Consult Factory on available sizes.



W

Opaque Cover



W

CONFIGURATION

4 cover screws, lift off cover

W Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Pan Head Screws	Minimized protruding surfaces
Stainless Steel Hardware	300 Series stainless used on all external hardware
Molded in Mounting Flange	Molded in flange for ease of mounting
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	Back panel utilizes threaded brass inserts accepting 10-32 screws; cover accepting 10-24 screws
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Cover Retention Chain	Stainless steel beaded chain for securing cover after lift off
Color	Available standard glacier grey (PMS 428C)

W Modifications

Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

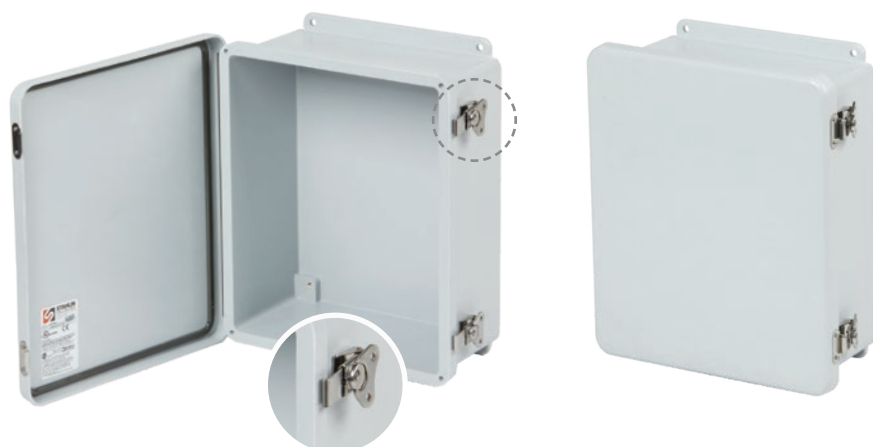
W Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3R, 4X, 6P*, 12
CSA Std C22.2	File LR069014; Type 1, 3R, 4X, 6P*, 12
IEC 60529	File E362920 IP66; IP 6X for 3PT
UL1741	File E333478; W, HW, HPL, FHW
Plenum Space (UL2043) Compliant	Yes
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Flammability Rating	UL94-5V
Impact Rating	IK10
Self Extinguishing	Non-halogenated, non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

W Accessories

PANELS	Aluminum	BP_AL	pg. 174-175
	Fiberglass	BP_FG	pg. 174-175
	Stainless Steel	BP_SS	pg. 174-175
	Carbon Steel	BP_CS	pg. 174-175
ACCESSORIES	Dead Front Panels		pg. 180-181
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194

* Consult Factory on available sizes.



Opaque Cover

CONFIGURATION
Hinged, twist latch

HLL

J & JW
Series

HLL Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Stainless Steel Hardware	300 Series stainless used on all external hardware
Molded in Mounting Flange	Molded in flange for ease of mounting
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	Back panel utilizes threaded brass inserts accepting 10-32 screws
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Color	Available standard glacier grey (PMS 428C)

HLL Modifications

Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

HLL Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3R, 4X, 6P*, 12
CSA Std C22.2	File LR069014; Type 1, 3R, 4X, 6P*, 12
IEC 60529	File E362920 IP66; IP 6X for 3PT
UL1741	File E333478; W, HW, HPL, FHW
Plenum Space (UL2043) Compliant	Yes
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Flammability Rating	UL94-5V
Impact Rating	IK10
Self Extinguishing	Non-halogenated, non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

HLL Accessories

PANELS	Aluminum	BP_AL	pg. 174-175
	Fiberglass	BP_FG	pg. 174-175
	Stainless Steel	BP_SS	pg. 174-175
	Carbon Steel	BP_CS	pg. 174-175
ACCESSORIES	Dead Front Panels		pg. 180-181
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194

* Consult Factory on available sizes.



Opaque Cover

J & JW Series

**CONFIGURATION**

Fiberglass hinge, 4 cover screws

**FHW Construction**

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Pan Head Screws	Minimized protruding surfaces
Stainless Steel Hardware	300 Series stainless used on all external hardware
Molded in Mounting Flange	Molded in flange for ease of mounting
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	Back panel utilizes threaded brass inserts accepting 10-24 screws.
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Hinge Material	Glass filled Polybutylene Terephthalate (PBT)
Color	Available standard glacier grey (PMS 428C)

FHW Modifications

Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

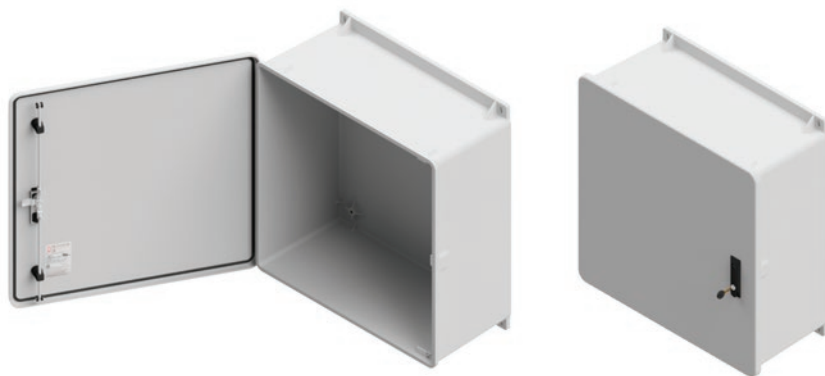
FHW Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3R, 4X, 6P*, 12
CSA Std C22.2	File LR069014; Type 1, 3R, 4X, 6P*, 12
IEC 60529	File E362920 IP66; IP 6X for 3PT
UL1741	File E333478; W, HW, HPL, FHW
Plenum Space (UL2043) Compliant	Yes
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Flammability Rating	UL94-5V
Impact Rating	IK10
Self Extinguishing	Non-halogenated, non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

FHW Accessories

PANELS	Aluminum	BP_AL	pg. 174-175
	Fiberglass	BP_FG	pg. 174-175
	Stainless Steel	BP_SS	pg. 174-175
	Carbon Steel	BP_CS	pg. 174-175
ACCESSORIES	Dead Front Panels		pg. 180-181
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194

* Consult Factory on available sizes.



Opaque Cover

CONFIGURATION
Hinged, lockable swing handle

3PT

J & IW
Series

3PT Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal.
Stainless Steel Hardware	300 Series stainless used on all external hardware.
Molded in Mounting Flange	Molded in flange for ease of mounting.
Mounting Bosses	Panel mounting capability for fixed rear panel.
Metal Inserts	Back panel utilizes threaded brass inserts accepting 10-32 screws. 1/4"-20
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris.
Color	Available standard glacier grey (PMS 428C)*

3PT Modifications

Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

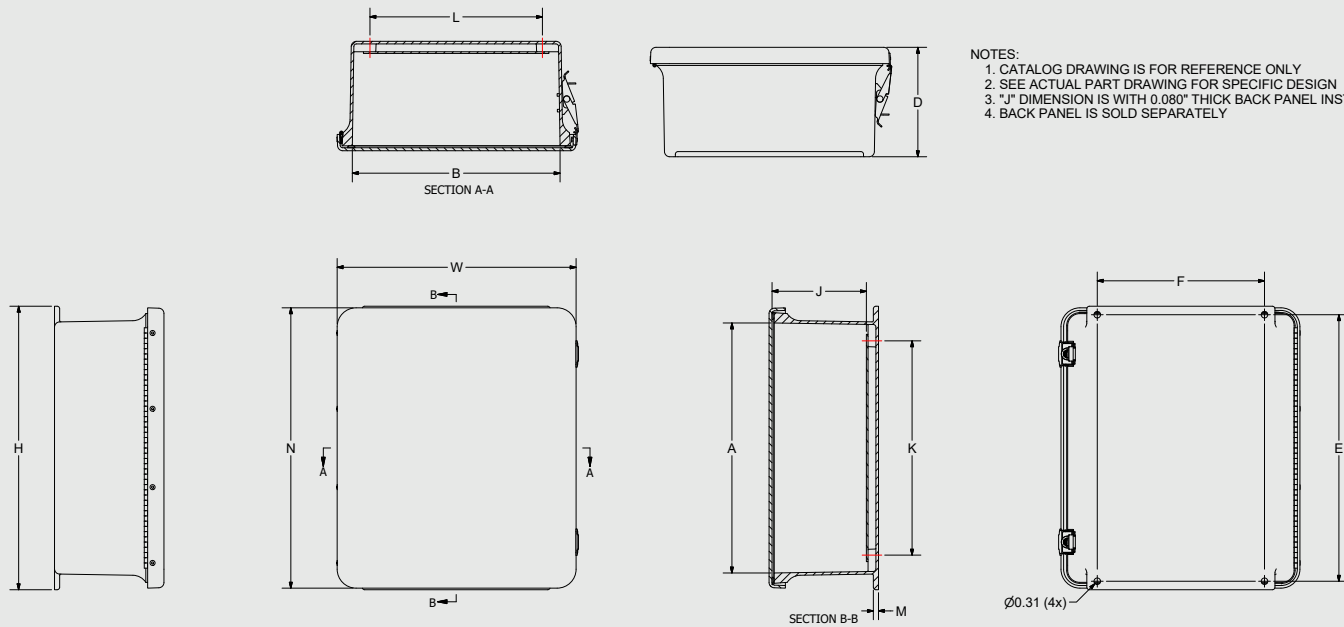
3PT Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3, 3R, 4, 4X, 12, 13
CSA Std C22.2	File LR069014 Type 1, 3, 3R, 4, 4X, 12, 13
IEC 60529	File E362920 IP66; IP 6X for 3PT
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Flammability Rating	UL94-5V
Impact Rating	IK10
Self Extinguishing	Non-halogenated, non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)

3PT Accessories

PANELS	Aluminum	BP_AL	pg. 174-175
	Fiberglass	BP_FG	pg. 174-175
	Stainless Steel	BP_SS	pg. 174-175
	Carbon Steel	BP_CS	pg. 174-175
ACCESSORIES	Dead Front Panels		pg. 180-181
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194

* Consult Factory on available sizes.



- NOTES:
1. CATALOG DRAWING IS FOR REFERENCE ONLY
 2. SEE ACTUAL PART DRAWING FOR SPECIFIC DESIGN
 3. "J" DIMENSION IS WITH 0.080" THICK BACK PANEL INSTALLED
 4. BACK PANEL IS SOLD SEPARATELY

SCREW SIZES & TORQUE VALUES

PRODUCT SIZES	BACK PANEL SCREW SIZE	BACK PANEL RECOMMENDED TORQUE	COVER SCREW SIZE	COVER SCREW RECOMMENDED TORQUE	RECOMMENDED MOUNTING FLANGE TORQUE
J604 up to J2016	#10-32 x 3/8	16 - 20 in-lbs	#10-24 x 5/8	20 - 24 in-lbs	45 in-lbs max
J2020 up to J2424	1/4-20 x 1/2	20 - 24 in-lbs	N/A	N/A	80 in-lbs max

J Series – Opaque Cover

CATALOG NUMBER	OVERALL H X W X D	INSIDE A X B X C	MOUNTING E X F	J	K	L	M	N	HOLE DIAMETER	SHIP WEIGHT	PANEL NUMBER
J604HPL*** J604HW*** J604W J604HLL	7.47 x 5.45 x 4.70 (190 x 138 x 119)	5.84 x 3.85 x 4.45 (148 x 98 x 113)	6.75 x 2.00 (171 x 51)	3.97 (101)	4.25 (108)	2.25 (57)	0.25 (6)	7.39 (188)	0.31 (8)	2.40 lbs.	BP64**
J606HPL*** J606HW*** J606W J606HLL	7.50 x 7.53 x 4.82 (191 x 191 x 122)	5.72 x 5.72 x 4.45 (145 x 145 x 113)	6.75 x 4.00 (171 x 101)	3.97 (101)	4.25 (108)	4.25 (108)	0.25 (6)	7.53 (191)	0.31 (8)	2.80 lbs.	BP66**
J806HPL*** J806HW*** J806W J806HLL J806FHW	9.63 x 7.52 x 4.70 (245 x 191 x 119)	7.73 x 5.74 x 4.45 (196 x 146 x 113)	8.88 x 4.00 (225 x 101)	3.92 (100)	6.25 (159)	4.25 (108)	0.25 (6)	9.5 (242)	0.31 (8)	3.50 lbs.	BP86**
J808HPL*** J808HW*** J808W J808HLL	9.56 x 9.38 x 4.87 (243 x 238 x 124)	7.73 x 7.73 x 4.62 (196 x 196 x 117)	8.75 x 6.00 (222 x 152)	3.98 (101)	6.25 (159)	6.25 (159)	0.25 (6)	9.38 (238)	0.31 (8)	3.80 lbs.	BP88**

All measures are in inches, items in parentheses are in millimeters.



*Crowned cover – center of cover raised 3/4"



**Panel sold separately



***Available in white by placing WH prior to part number. Ex: WH-J604HW



J Series – Opaque Cover

CATALOG NUMBER	OVERALL H X W X D	INSIDE A X B X C	MOUNTING E X F	J	K	L	M	N	HOLE DIA.	SHIP WEIGHT	PANEL NUMBER
J1008HPL*** J1008HW*** J1008W J1008HLL	11.63 x 9.41 x 4.22 (295 x 239 x 107)	9.73 x 7.73 x 3.98 (247 x 196 x 101)	10.75 x 6.00 (273 x 152)	3.44 (87)	8.25 (210)	6.25 (159)	0.25 (6)	11.35 (288)	0.31 (8)	4.60 lbs.	BP108**
J1008HWA* J1008WA* J1008HALL*	11.63 x 9.37 x 5.05 (295 x 238 x 129)	9.73 x 7.73 x 4.83 (247 x 196 x 123)	10.75 x 6.00 (273 x 152)	4.38 (111)	8.25 (210)	6.25 (159)	0.25 (6)	11.38 (289)	0.31 (8)	4.70 lbs.	BP108**
J100806HPL*** J100806HW*** J100806W J100806HLL	11.97 x 9.42 x 6.61 (304 x 239 x 165)	9.74 x 7.74 x 6.25 (248 x 197 x 159)	10.94 - 10.75 x 6.00 (278 - 273 x 152)	5.67 (141)	8.25 (210)	6.25 (159)	0.25 (6)	11.42 (290)	0.31 (8)	5.20 lbs.	BP108**
J1210HPL*** J1210HW*** J1210W J1210HLL J1210FW	13.56 x 11.43 x 5.22 (344 x 291 x 133)	11.79 x 9.80 x 4.94 (299 x 249 x 125)	12.75 x 8.00 (324 x 203)	4.50 (114)	10.25 (260)	8.25 (210)	0.25 (6)	13.41 (341)	0.31 (8)	6.60 lbs.	BP1210**
J1212HPL*** J1212HW*** J1212W J1212HLL	13.56 x 13.38 x 6.34 (344 x 340 x 161)	11.70 x 11.70 x 6.10 (297 x 297 x 155)	12.75 x 10.00 (324 x 254)	5.51 (140)	10.25 (260)	10.25 (260)	0.25 (6)	13.38 (340)	0.31 (8)	8.40 lbs.	BP1212**
J1407HPL*** J1407HW*** J1407W J1407HLL	15.87 x 8.75 x 6.81 (403 x 222 x 173)	14.00 x 7.00 x 6.56 (356 x 178 x 167)	15.00 x 5.00 (381 x 127)	6.11 (155)	12.25 (311)	5.25 (133)	0.25 (6)	15.75 (400)	0.31 (8)	6.10 lbs.	BP1407**
J1412HPL*** J1412HW*** J1412W J1412HLL J1412FW	15.50 x 13.48 x 6.20 (394 x 342 x 158)	13.52 x 11.52 x 5.94 (343 x 293 x 151)	14.63 x 10.00 (372 x 254)	5.36 (137)	12.25 (311)	10.25 (260)	0.25 (6)	15.48 (393)	0.31 (8)	9.90 lbs.	BP1412**
J1614HPL*** J1614HW*** J1614W J1614HLL J1614FW	17.53 x 15.46 x 6.21 (445 x 393 x 157)	15.60 x 13.56 x 5.94 (396 x 344 x 151)	16.75 x 12.00 (425 x 305)	5.35 (136)	14.25 (362)	12.25 (311)	0.25 (6)	17.46 (444)	0.31 (8)	12.20 lbs.	BP1614**
J1816HPL*** J1816HW*** J1816W J1816HLL J1816FW	19.63 x 17.63 x 8.81 (499 x 447 x 224)	17.69 x 15.69 x 8.45 (449 x 399 x 215)	18.88 x 12.00 (479 x 305)	7.98 (203)	16.25 (413)	14.25 (362)	0.25 (6)	19.61 (498)	0.31 (8)	20.00 lbs.	BP1816**
J2016HPL*** J2016HW*** J2016W J2016HLL	22.00 x 17.68 x 8.81 (559 x 449 x 224)	19.72 x 15.72 x 8.45 (501 x 399 x 215)	21.25 x 10.00 (540 x 254)	7.98 (203)	18.25 (464)	14.25 (362)	0.25 (6)	21.68 (551)	0.31 (8)	22.50 lbs.	BPJ2016**
J2020HPL J20203PT	23.50 x 22.12 x 11.70 (597 x 562 x 297)	19.88 x 19.88 x 11.33 (505 x 505 x 288)	21.88 x 18.30 (556 x 465)	10.49 (266)	15.25 (387)	15.25 (387)	0.50 (13)	22.1 (561)	0.44 x 0.38 (11 x 10)	30 lbs.	BPJ2020**
J2420HPL J24203PT	27.50 x 22.12 x 11.70 (699 x 562 x 297)	23.88 x 19.88 x 11.33 (607 x 505 x 288)	25.88 x 18.30 (657 x 465)	10.49 (266)	19.25 (489)	15.25 (387)	0.50 (13)	26.1 (663)	0.44 x 0.38 (11 x 10)	36 lbs.	BPJ2420**
J2424HPL J24243PT	27.50 x 26.12 x 11.70 (699 x 663 x 297)	23.88 x 23.88 x 11.33 (607 x 607 x 288)	25.88 x 22.00 (657 x 559)	10.49 (266)	19.25 (489)	19.25 (489)	0.50 (13)	26.1 (663)	0.44 x 0.38 (11 x 10)	42 lbs.	BPJ2424**

All measures are in inches, items in parentheses are in millimeters.



*Crowned cover – center of cover raised 3/4"



**Panel sold separately



***Available in white by placing WH prior to part number. Ex: WH-J604HW



HPL

Expanded “J” Opaque Cover

HPL

CONFIGURATION

Hinged, padlock latch



HPL Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Stainless Steel Hardware	300 Series stainless used on all external hardware
Molded in Mounting Feet	Molded in mounting feet for ease of mounting
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	Back panel utilizes threaded brass inserts accepting 3/8"- 16 screws
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Color	Available standard glacier grey (PMS 428C)

HPL Modifications

Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

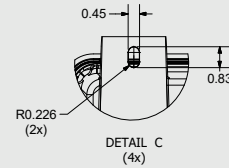
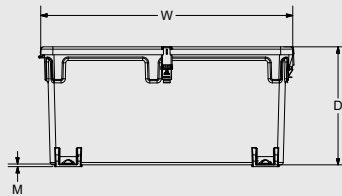
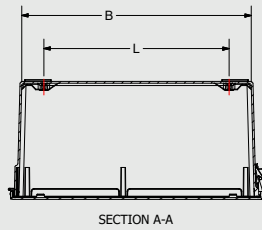
HPL Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3R, 4X, 6P*, 12
CSA Std C22.2	File LR069014; Type 1, 3R, 4X, 6P*, 12
IEC 60529	File E362920 IP66; IP 6X for 3PT
UL1741	File E333478; W, HW, HPL, FHW
Plenum Space (UL2043) Compliant	Yes
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Flammability Rating	UL94-5V
Impact Rating	IK10
Self Extinguishing	Non-halogenated, non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

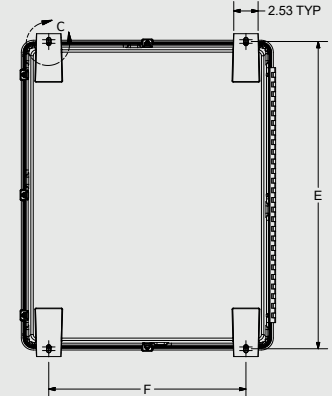
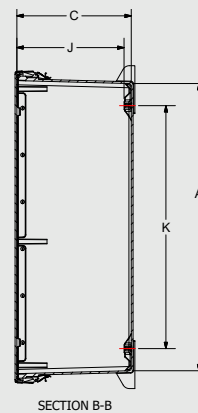
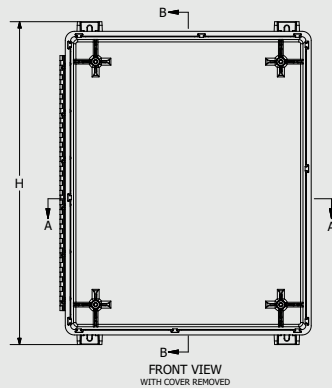
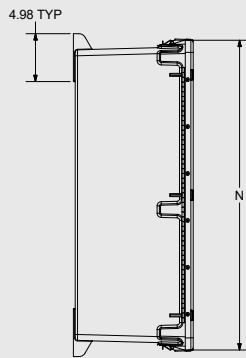
HPL Accessories

PANELS	Aluminum	BP_AL	pg. 174-175
	Fiberglass	BP_FG	pg. 174-175
	Stainless Steel	BP_SS	pg. 174-175
	Carbon Steel	BP_CS	pg. 174-175
ACCESSORIES	Dead Front Panels		pg. 180-181
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194

* Consult Factory on available sizes.



- NOTES:
 1. CATALOG DRAWING IS FOR REFERENCE ONLY
 2. SEE ACTUAL PART DRAWING FOR SPECIFIC DESIGN
 3. NOTE J DIMENSION IS WITH AL 0.128" THICK BACK PANEL INSTALLED; BACK PANEL NOT SHOWN
 4. BACK PANEL IS SOLD SEPARATELY



SCREW SIZES & TORQUE VALUES

PRODUCT SIZES	BACK PANEL SCREW SIZE	BACK PANEL RECOMMENDED TORQUE	COVER SCREW SIZE	COVER SCREW RECOMMENDED TORQUE	RECOMMENDED MOUNTING FLANGE TORQUE
J3024	3/8-16 x 1/2	28 - 32 in-lbs	N/A	N/A	80 in-lbs max

J Series – Expanded J Opaque Cover

CATALOG NUMBER	OVERALL H X W X D	INSIDE A X B X C	MOUNTING E X F	J	K	L	M	N	HOLE DIA.	SHIP WEIGHT	PANEL NUMBER
J3024HPL	33.56 x 26.18 x 12.26	29.85 x 23.85 x 11.89	31.93 x 20.49	11.06	25.25	19.25	0.28	32.19		46 lbs.	BPJ3024***
J2430HPL	26.18 x 33.56 x 12.26	23.85 x 29.85 x 11.89	20.49 x 31.93	11.06	19.25	25.25	0.28	26.18		46 lbs.	BPJ3024***

All measures are in inches, items in parentheses are in millimeters.



*Crowned cover – center of cover raised 3/4"



**Panel sold separately



Flush Bonded Window

J & JW Series



CONFIGURATION
Hinged, padlock latch



HPL Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Stainless Steel Hardware	300 Series stainless used on all external hardware
Molded in Mounting Flange	Molded in flange for ease of mounting.
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	Back panel utilizes threaded brass inserts accepting 10-32 screws
Bonded Window	Precision routed flush bonded Super Abrasion Resistant acrylic material for maximum visibility
Color	Available standard glacier grey (PMS 428C)

HPL Modifications

Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

HPL Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3R, 4X, 6P*, 12
CSA Std C22.2	File LR069014; Type 1, 3R, 4X, 6P*, 12
IEC 60529	File E362920 IP66; IP 6X for 3PT
UL1741	File E333478; W, HW, HPL, FHW
Plenum Space (UL2043) Compliant	Yes
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Temperature Range Window	(-26°F to +170°F) (-32°C to +76°C)
Flammability Rating	UL94-5V
Impact Rating	IK10
Self Extinguishing	Non-halogenated, non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

HPL Accessories

PANELS	Aluminum	BP_AL	pg. 174-175
	Fiberglass	BP_FG	pg. 174-175
	Stainless Steel	BP_SS	pg. 174-175
	Carbon Steel	BP_CS	pg. 174-175
ACCESSORIES	Dead Front Panels		pg. 180-181
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194

* Consult Factory on available sizes.



Flush Bonded Window

CONFIGURATION
Hinged, twist latch

HLL

J & JW Series

HLL Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Stainless Steel Hardware	300 Series stainless used on all external hardware
Molded in Mounting Flange	Molded in flange for ease of mounting.
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	Back panel utilizes threaded brass inserts accepting 10-32 screws
Bonded Window	Precision routed flush bonded Super Abrasion Resistant acrylic material for maximum visibility
Color	Available standard glacier grey (PMS 428C)

HLL Modifications

Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

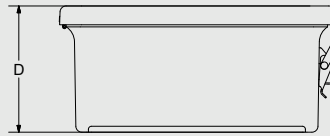
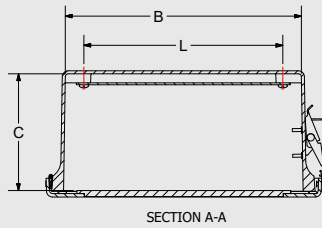
HLL Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3R, 4X, 6P*, 12
CSA Std C22.2	File LR069014; Type 1, 3R, 4X, 6P*, 12
IEC 60529	File E362920 IP66; IP 6X for 3PT
UL1741	File E333478; W, HW, HPL, FHW
Plenum Space (UL2043) Compliant	Yes
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Temperature Range Window	(-26°F to +170°F) (-32°C to +76°C)
Flammability Rating	UL94-5V
Impact Rating	IK10
Self Extinguishing	Non-halogenated, non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

HLL Accessories

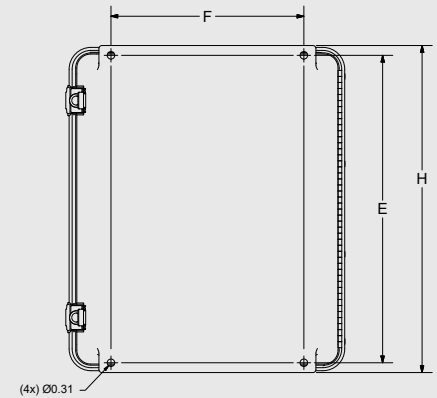
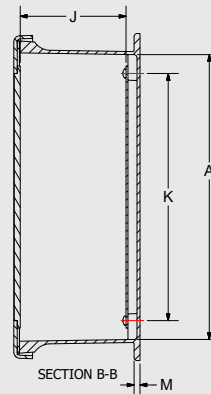
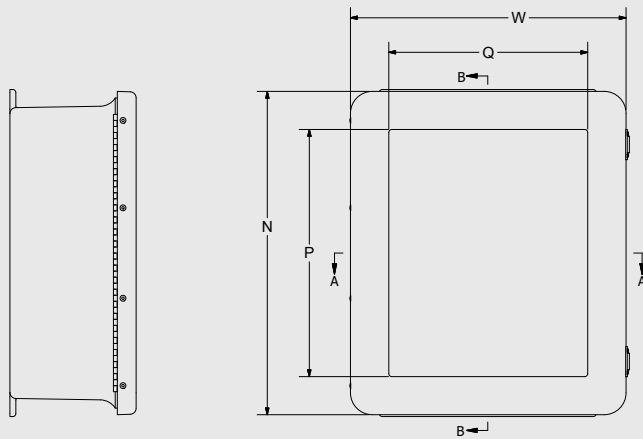
PANELS	Aluminum	BP_AL	pg. 174-175
	Fiberglass	BP_FG	pg. 174-175
	Stainless Steel	BP_SS	pg. 174-175
	Carbon Steel	BP_CS	pg. 174-175
ACCESSORIES	Dead Front Panels		pg. 180-181
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194

* Consult Factory on available sizes.



NOTES:

1. CATALOG DRAWING IS FOR REFERENCE ONLY
2. SEE ACTUAL PART DRAWING FOR SPECIFIC DESIGN
3. NOTE "J" DIMENSION IS WITH 0.080" THICK BACK PANEL
4. BACK PANEL IS SOLD SEPARATELY



SCREW SIZES & TORQUE VALUES

PRODUCT SIZES	BACK PANEL SCREW SIZE	BACK PANEL RECOMMENDED TORQUE	COVER SCREW SIZE	COVER SCREW RECOMMENDED TORQUE	RECOMMENDED MOUNTING FLANGE TORQUE
J604 up to J2016	#10-32 x 3/8	16 - 20 in-lbs	#10-24 x 5/8	20 - 24 in-lbs	45 in-lbs max

JW Series – Flush Bonded Window

CATALOG NUMBER	OVERALL H X W X D	INSIDE A X B X C	WINDOW AREA (MAX) P X Q	MOUNTING E X F	J	K	L	M	N	HOLE DIA.	SHIP WEIGHT	PANEL NUMBER
JW604HPL JW604HLL	7.47 x 5.45 x 4.70 (190 x 138 x 119)	5.84 x 3.85 x 4.34 (148 x 98 x 110)	4.25 x 2.25 (108 x 57)	6.75 x 2.00 (171 x 51)	3.97 (101)	4.25 (108)	2.25 (57)	0.25 (6)	7.39 (188)	0.31 (8)	2.40 lbs.	BP64**
JW606HPL JW606HLL	7.50 x 7.53 x 4.82 (191 x 191 x 122)	5.72 x 5.72 x 4.34 (145 x 145 x 110)	4.25 x 4.25 (108 x 108)	6.75 x 4.00 (171 x 101)	3.97 (101)	4.25 (108)	4.25 (108)	0.25 (6)	7.53 (191)	0.31 (8)	2.80 lbs.	BP66**
JW806HPL JW806HLL	9.63 x 7.52 x 4.70 (245 x 191 x 119)	7.73 x 5.74 x 4.34 (196 x 146 x 110)	6.25 x 4.25 (159 x 108)	8.88 x 4.00 (225 x 101)	3.92 (100)	6.25 (159)	4.25 (108)	0.25 (6)	9.5 (242)	0.31 (8)	3.50 lbs.	BP86**
JW808HLL	9.56 x 9.38 x 4.87 (243 x 238 x 124)	7.73 x 7.73 x 4.52 (196 x 196 x 115)	6.25 x 6.25 (159 x 159)	8.75 x 6.00 (222 x 152)	3.98 (101)	6.25 (159)	6.25 (159)	0.25 (6)	9.38 (238)	0.31 (8)	3.80 lbs.	BP88**

All measures are in inches, items in parentheses are in millimeters.



*Crowned cover –
center of cover raised 3/4"



**Panel sold separately



JW Series – Flush Bonded Window

CATALOG NUMBER	OVERALL H X W X D	INSIDE A X B X C	WINDOW AREA (MAX) P X Q	MOUNTING E X F	J	K	L	M	N	HOLE DIA.	SHIP WEIGHT	PANEL NUMBER
JW1008HPL JW1008HLL	11.63 x 9.41 x 4.22 (295 x 239 x 107)	9.73 x 7.73 x 3.85 (247 x 196 x 98)	8.25 x 6.25 (210 x 159)	10.75 x 6.00 (273 x 152)	3.44 (87)	8.25 (210)	6.25 (159)	0.25 (6)	11.35 (288)	0.31 (8)	4.60 lbs.	BP108**
JW1008HAPL* Crowned Cover	11.63 x 9.37 x 5.05 (295 x 238 x 129)	9.73 x 7.73 x 4.70 (247 x 196 x 119)	8.25 x 6.25 (210 x 159)	10.75 x 6.00 (273 x 152)	4.25 (108)	8.25 (210)	6.25 (159)	0.25 (6)	11.38 (289)	0.31 (8)	4.70 lbs.	BP108**
JW100806HPL JW100806HLL	11.97 x 9.42 x 6.61 (304 x 239 x 165)	9.74 x 7.74 x 6.25 (248 x 197 x 159)	8.25 x 6.25 (210 x 159)	10.94 - 10.75 x 6.00 (278 - 273 x 152)	5.67 (141)	8.25 (210)	6.25 (159)	0.25 (6)	11.42 (290)	0.31 (8)	5.20 lbs.	BP108**
JW1210HPL JW1210HLL	13.56 x 11.43 x 5.22 (344 x 291 x 133)	11.79 x 9.80 x 4.85 (299 x 249 x 123)	10.25 x 8.25 (260 x 210)	12.75 x 8.00 (324 x 203)	4.50 (114)	10.25 (260)	8.25 (210)	0.25 (6)	13.41 (341)	0.31 (8)	6.60 lbs.	BP1210**
JW1212HPL JW1212HLL	13.56 x 13.38 x 6.34 (344 x 340 x 161)	11.70 x 11.70 x 5.99 (297 x 297 x 152)	10.25 x 10.25 (260 x 260)	12.75 x 10.00 (324 x 254)	5.51 (140)	10.25 (260)	10.25 (260)	0.25 (6)	13.38 (340)	0.31 (8)	8.40 lbs.	BP1212**
JW1407HPL	15.87 x 8.75 x 6.81 (403 x 222 x 173)	14.00 x 7.00 x 6.5 (356 x 178 x 165)	12.75 x 5.75 (324 x 146)	15.00 x 5.00 (381 x 127)	6.11 (155)	12.25 (311)	5.25 (133)	0.25 (6)	15.75 (400)	0.31 (8)	6.10 lbs.	BP1407**
JW1412HPL JW1412HLL	15.50 x 13.48 x 6.20 (394 x 342 x 158)	13.50 x 11.52 x 5.88 (343 x 293 x 149)	12.25 x 10.25 (311 x 260)	14.63 x 10.00 (372 x 254)	5.36 (137)	12.25 (311)	10.25 (260)	0.25 (6)	15.48 (393)	0.31 (8)	9.90 lbs.	BP1412**
JW1614HPL JW1614HLL	17.53 x 15.46 x 6.21 (445 x 393 x 157)	15.60 x 13.56 x 5.88 (396 x 344 x 149)	14.25 x 12.25 (362 x 311)	16.75 x 12.00 (425 x 305)	5.35 (136)	14.25 (362)	12.25 (311)	0.25 (6)	17.46 (444)	0.31 (8)	12.20 lbs.	BP1614**
JW1816HPL JW1816HLL	19.63 x 17.63 x 8.81 (499 x 447 x 224)	17.69 x 15.69 x 8.38 (449 x 399 x 213)	16.25 x 14.25 (413 x 362)	18.88 x 12.00 (479 x 305)	7.98 (203)	16.25 (413)	14.25 (362)	0.25 (6)	19.61 (498)	0.31 (8)	20.00 lbs.	BP1816**
JW2016HPL JW2016HLL	22.00 x 17.68 x 8.81 (559 x 449 x 224)	19.72 x 15.72 x 8.47 (501 x 399 x 215)	18.25 x 14.25 (464 x 362)	21.25 x 10.00 (540 x 254)	7.98 (203)	18.25 (464)	14.25 (362)	0.25 (6)	21.68 (551)	0.31 (8)	22.50 lbs.	BPJ2016**

All measures are in inches, items in parentheses are in millimeters.



*Crowned cover – center of cover raised 3/4"



**Panel sold separately



RJ & RJW Series



RJ & RJW
Series



RJ & RJW Series

The **RJ Series** offers a “raised cover” that increases depth by adding to the depth of the cover. This feature can be particularly effective with cover mounted components. Available in opaque (RJ) or window (RJW).

The **RJ Series** enclosures follow the original design of fiberglass enclosure products featuring a modest overhang raised cover on a flange mounted base. This simple but elegant concept offers unobstructed side-walls, built in mounting capabilities and the strength characteristics associated with a protective wrap around raised cover that is hinged, latched or screwed down. Stahlin's **RJ Series** enclosures are designed for general electrical and electronic applications and any application that has associated environmental concerns. Simple in its design, the enclosure can be configured with cutouts and modifications that make your finished product truly unique. They accommodate standard back panel mounting but offer a range of panels, including an elevated dead front panel.

Product Configurations

RJ SERIES



HINGED,
PADLOCK
LATCH



HINGED,
2 COVER
SCREWS



4 COVER
SCREWS,
LIFT OFF
COVER



HINGED,
TWIST
LATCH

RJW SERIES



HINGED,
PADLOCK
LATCH



HINGED,
TWIST
LATCH

Attributes

- Available in 2 cover options on certain size enclosures:
 1. Opaque cover (RJ)
 2. Flush bonded window (RJW)
- Overhang cover on smooth sided base
- High temperature, flame retardant, non-corrosive
- All stainless hardware latches and screws
- Full length stainless steel hinge
- Chemically resistant fiberglass reinforced polyester
- Non-corrosion, environmental designs
- Stainless steel retention chain on screw covers
- Continuous polyurethane gasket

Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3R, 4X, 6P, 12
CSA Std C22.2	File LR069014 Type 1, 3R, 4X, 6P, 12
IEC 60529	File E362920 IP66
UL1741	File E333478 W, HW, HPL, FHW
Plenum Space (UL2043) Compliant	Yes
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Temperature Range Window	(-26°F to +170°F) (-32°C to +76°C)
Temperature Range Clear Cover	(-30°F to +248°F) (-34°C to +120°C)
Flammability Rating	UL94-5V
Self Extinguishing	Non-halogenated, non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor UV Exposure	(f1) Rated
Color	Available standard glacier grey (PMS 428C).



HPL

Raised Opaque Cover



CONFIGURATION

Hinged, padlock latch



HPL Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Stainless Steel Hardware	300 Series stainless used on all external hardware
Molded in Mounting Flange	Integral flange molded in place for ease of mounting
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	Back panel utilizes threaded brass inserts accepting 10-32 screws
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Raised Cover	Extended depth in cover
Color	Available standard glacier grey (PMS 428C)

HPL Modifications

Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

HPL Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3R, 4X, 6P, 12
CSA Std C22.2	File LR069014; Type 1, 3R, 4X, 6P, 12
IEC 60529	File E362920 IP66
UL1741	File E333478; W, HW, HPL, FHW
Plenum Space (UL2043) Compliant	Yes
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Flammability Rating	UL94-5V
Self Extinguishing	Non-halogenated, Non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

HPL Accessories

PANELS	Aluminum	BP_AL	pg. 174-175
	Fiberglass	BP_FG	pg. 174-175
	Stainless Steel	BP_SS	pg. 174-175
	Carbon Steel	BP_CS	pg. 174-175
ACCESSORIES	Dead Front Panels		pg. 180-181
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194



Raised Opaque Cover

CONFIGURATION
Hinged, 2 cover screws

HW

RJ & RW
Series

HW Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Pan Head Screws	Minimizes protruding surfaces
Stainless Steel Hardware	300 Series stainless used on all external hardware
Molded in Mounting Flange	Integral flange molded in place for ease of mounting
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	Back panel utilizes threaded brass inserts accepting 10-32 screws. Cover accepting 10-24 screws.
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Raised Cover	Extended depth in cover
Color	Available standard glacier grey (PMS 428C)

HW Modifications

Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

HW Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3R, 4X, 6P, 12
CSA Std C22.2	File LR069014; Type 1, 3R, 4X, 6P, 12
IEC 60529	File E362920 IP66
UL1741	File E333478; W, HW, HPL, FHW
Plenum Space (UL2043) Compliant	Yes
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Flammability Rating	UL94-5V
Self Extinguishing	Non-halogenated, Non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

HW Accessories

PANELS	Aluminum	BP_AL	pg. 174-175
	Fiberglass	BP_FG	pg. 174-175
	Stainless Steel	BP_SS	pg. 174-175
	Carbon Steel	BP_CS	pg. 174-175
ACCESSORIES	Dead Front Panels		pg. 180-181
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194



Raised Opaque Cover

W

CONFIGURATION

4 cover screws, lift off cover



W Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Pan Head Screws	Minimizes protruding surfaces
Stainless Steel Hardware	300 Series stainless used on all external hardware
Molded in Mounting Flange	Integral flange molded in place for ease of mounting
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	Back panel utilizes threaded brass inserts accepting 10-32 screws. Cover accepting 10-24 screws.
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Cover Retention Chain	Stainless steel beaded chain for securing cover after lift off
Raised Cover	Extended depth in cover
Color	Available standard glacier grey (PMS 428C)

W Modifications

Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

W Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3R, 4X, 6P, 12
CSA Std C22.2	File LR069014; Type 1, 3R, 4X, 6P, 12
IEC 60529	File E362920 IP66
UL1741	File E333478; W, HW, HPL, FHW
Plenum Space (UL2043) Compliant	Yes
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Flammability Rating	UL94-5V
Self Extinguishing	Non-halogenated, Non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

W Accessories

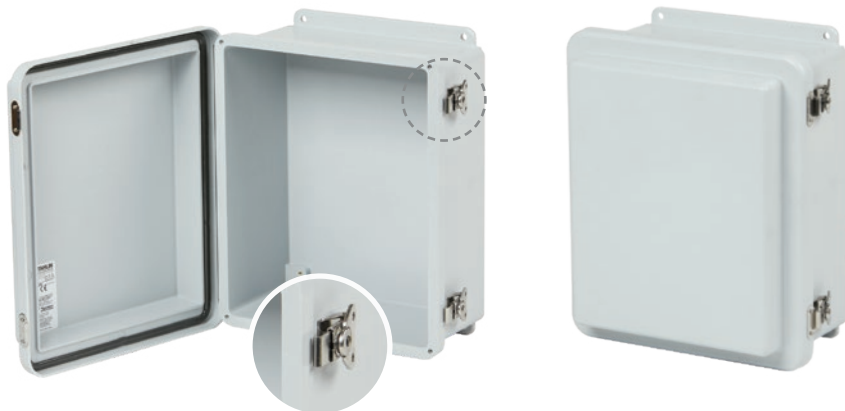
PANELS	Aluminum	BP_AL	pg. 174-175
	Fiberglass	BP_FG	pg. 174-175
	Stainless Steel	BP_SS	pg. 174-175
	Carbon Steel	BP_CS	pg. 174-175
ACCESSORIES	Dead Front Panels		pg. 180-181
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194



Raised Opaque Cover

CONFIGURATION
Hinged, twist latch

HLL



HLL Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Stainless Steel Hardware	300 Series stainless used on all external hardware
Molded in Mounting Flange	Integral flange molded in place for ease of mounting
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	Back panel utilizes threaded brass inserts accepting 10-32 screws
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Raised Cover	Extended depth in cover
Color	Available standard glacier grey (PMS 428C)

HLL Modifications

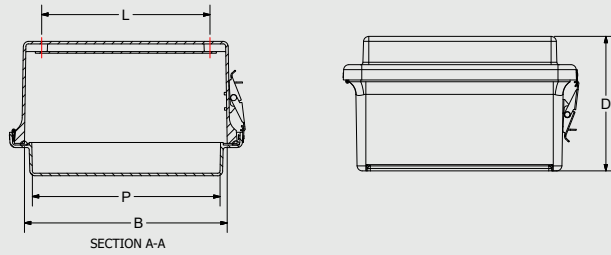
Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

HLL Industry Standards

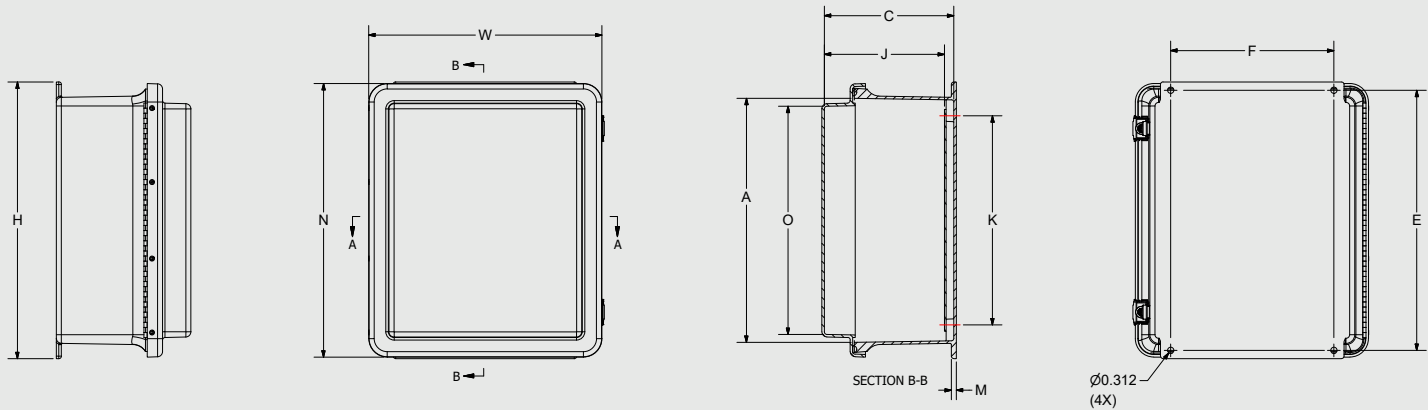
NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3R, 4X, 6P, 12
CSA Std C22.2	File LR069014; Type 1, 3R, 4X, 6P, 12
IEC 60529	File E362920 IP66
UL1741	File E333478; W, HW, HPL, FHW
Plenum Space (UL2043) Compliant	Yes
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Flammability Rating	UL94-5V
Self Extinguishing	Non-halogenated, Non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

HLL Accessories

PANELS	Aluminum	BP_AL	pg. 174-175
	Fiberglass	BP_FG	pg. 174-175
	Stainless Steel	BP_SS	pg. 174-175
	Carbon Steel	BP_CS	pg. 174-175
ACCESSORIES	Dead Front Panels		pg. 180-181
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194



- NOTES:
1. CATALOG DRAWING IS FOR REFERENCE ONLY
 2. SEE ACTUAL PART DRAWING FOR SPECIFIC DESIGN
 3. "J" DIMENSION IS WITH 0.080" THICK BACK PANEL INSTALLED
 4. BACK PANEL IS SOLD SEPARATELY



SCREW SIZES & TORQUE VALUES

PRODUCT SIZES	BACK PANEL SCREW SIZE	BACK PANEL RECOMMENDED TORQUE	COVER SCREW SIZE	COVER SCREW RECOMMENDED TORQUE	RECOMMENDED MOUNTING FLANGE TORQUE
RJ604 up to RJ2016	#10-32 x 3/8	16 - 20 in-lbs	#10-24 x 5/8	20 - 24 in-lbs	45 in-lbs max

RJ Series – Raised Opaque Cover

CATALOG NUMBER	OVERALL H X W X D	INSIDE A X B X C	MOUNTING E X F	J	K	L	M	N	O	P	HOLE DIA.	SHIP WEIGHT	PANEL NUMBER
RJ604HPL RJ604HW RJ604W RJ604HLL	7.47 x 5.47 x 6.21 (190 x 139 x 158)	5.84 x 3.85 x 5.95 (148 x 98 x 151)	6.75 x 2.00 (171 x 51)	5.51 (140)	4.25 (108)	2.25 (57)	0.25 (6)	7.45 (189)	5.31 (135)	3.34 (85)	0.31 (8)	2.60 lbs.	BP64*
RJ606HPL RJ606HW RJ606W RJ606HLL	7.50 x 7.53 x 6.32 (191 x 191 x 161)	5.72 x 5.72 x 5.97 (145 x 145 x 152)	6.75 x 4.00 (171 x 101)	5.49 (139)	4.25 (108)	4.25 (108)	0.25 (6)	7.53 (191)	5.34 (136)	5.31 (135)	0.31 (8)	3.10 lbs.	BP66*
RJ806HPL RJ806HW RJ806W RJ806HLL	9.63 x 7.52 x 6.20 (245 x 191 x 158)	7.73 x 5.74 x 5.95 (196 x 146 x 151)	8.88 x 4.00 (225 x 101)	5.49 (139)	6.25 (159)	4.25 (108)	0.25 (6)	9.36 (238)	7.25 (185)	5.28 (134)	0.31 (8)	3.70 lbs.	BP86*
RJ808HPL	9.56 x 9.38 x 6.25 (243 x 238 x 159)	7.73 x 7.73 x 6.00 (196 x 196 x 152)	8.75 x 6.00 (222 x 152)	5.42 (138)	6.25 (159)	6.25 (159)	0.25 (6)	9.38 (238)	7.17 (182)	7.17 (182)	0.31 (8)	4.20 lbs.	BP88*

All measures are in inches, items in parentheses are in millimeters.



*Panel sold separately



RJ Series – Raised Opaque Cover

CATALOG NUMBER	OVERALL H X W X D	INSIDE A X B X C	MOUNTING E X F	J	K	L	M	N	O	P	HOLE DIA.	SHIP WEIGHT	PANEL NUMBER
RJ1008HPL RJ1008HW RJ1008HLL	11.63 x 9.37 x 6.58 (295 x 238 x 167)	9.73 x 7.73 x 6.33 (247 x 196 x 161)	10.75 x 6.00 (273 x 152)	5.87 (149)	8.25 (209)	6.25 (159)	0.25 (6)	11.38 (289)	9.3 (236)	7.38 (188)	0.31 (8)	5.20 lbs.	BP108*
RJ1210HPL RJ1210HW RJ1210W RJ1210HLL	13.56 x 11.43 x 6.58 (344 x 291 x 167)	11.79 x 9.80 x 6.32 (299 x 249 x 161)	12.75 x 8.00 (324 x 203)	5.87 (149)	10.25 (260)	8.25 (210)	0.25 (6)	13.41 (341)	11.2 (284)	9.23 (234)	0.31 (8)	6.70 lbs.	BP1210*
RJ1212HPL RJ1212HLL	13.56 x 13.38 x 7.72 (344 x 340 x 196)	11.70 x 11.70 x 7.47 (297 x 297 x 190)	12.75 x 10.00 (324 x 254)	6.89 (175)	10.25 (260)	10.25 (260)	0.25 (6)	13.38 (340)	11.17 (284)	11.17 (284)	0.31 (8)	8.90 lbs.	BP1212*
RJ1412HPL RJ1412HW RJ1412W RJ1412HLL	15.50 x 13.38 x 7.69 (394 x 340 x 195)	13.52 x 11.52 x 7.45 (343 x 293 x 189)	14.63 x 10.00 (372 x 254)	6.86 (174)	12.25 (311)	10.25 (260)	0.25 (6)	15.42 (392)	13.2 (335)	11.16 (284)	0.31 (8)	10.20 lbs.	BP1412*
RJ1614HPL RJ1614HW RJ1614W RJ1614HLL	17.53 x 15.43 x 7.68 (445 x 392 x 195)	15.60 x 13.56 x 7.45 (396 x 344 x 189)	16.75 x 12.00 (425 x 305)	6.85 (174)	14.25 (362)	12.25 (311)	0.25 (6)	17.43 (443)	15.2 (386)	13.24 (336)	0.31 (8)	12.30 lbs.	BP1614*
RJ1816HPL RJ1816HW RJ1816HLL	19.63 x 17.63 x 10.63 (499 x 444 x 270)	17.69 x 15.69 x 10.31 (449 x 399 x 262)	18.88 x 12.00 (479 x 305)	9.86 (250)	16.25 (413)	14.25 (362)	0.25 (6)	19.49 (495)	17.25 (438)	15.25 (387)	0.31 (8)	19.50 lbs.	BP1816*
RJ2016HPL RJ2016HW RJ2016HLL	22.00 x 17.56 x 10.63 (559 x 446 x 270)	19.72 x 15.72 x 10.33 (501 x 399 x 262)	21.25 x 10.00 (540 x 254)	9.86 (250)	18.25 (464)	14.25 (362)	0.25 (6)	21.56 (548)	19.31 (490)	15.39 (391)	0.31 (8)	21.40 lbs.	BPJ2016*

All measures are in inches, items in parentheses are in millimeters.



*Panel sold separately



HPL

Flush Bonded Window

HPL

CONFIGURATION

Hinged, padlock latch



HPL Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Stainless Steel Hardware	300 Series stainless used on all external hardware
Molded in Mounting Flange	Integral flange molded in place for ease of mounting
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	Back panel utilizes threaded brass inserts accepting 10-32 screws
Bonded Window	Precision routed flush bonded Super Abrasion Resistant acrylic material for maximum visibility
Raised Cover	Extended depth in cover
Color	Available standard glacier grey (PMS 428C)

HPL Modifications

Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

HPL Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358; Type 1, 3R, 4X, 6P, 12
CSA Std C22.2	File LR069014; Type 1, 3R, 4X, 6P, 12
IEC 60529	File E362920 IP66
UL1741	File E333478; W, HW, HPL, FHW
Plenum Space (UL2043) Compliant	Yes
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Window Temperature Range	(-26°F to +170°F) (-32°C to +76°C)
Flammability Rating	UL94-5V
Self Extinguishing	Non-halogenated, Non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

HPL Accessories

PANELS	Aluminum	BP_AL	pg. 174-175
	Fiberglass	BP_FG	pg. 174-175
	Stainless Steel	BP_SS	pg. 174-175
	Carbon Steel	BP_CS	pg. 174-175
ACCESSORIES	Dead Front Panels		pg. 180-181
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194



Flush Bonded Window

CONFIGURATION
Hinged, twist latch



RJ & RJW
Series

HLL Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Stainless Steel Hardware	300 Series stainless used on all external hardware
Molded in Mounting Flange	Integral flange molded in place for ease of mounting
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	Back panel utilizes threaded brass inserts accepting 10-32 screws
Bonded Window	Precision routed flush bonded Super Abrasion Resistant acrylic material for maximum visibility
Raised Cover	Extended depth in cover
Color	Available standard glacier grey (PMS 428C)

HLL Modifications

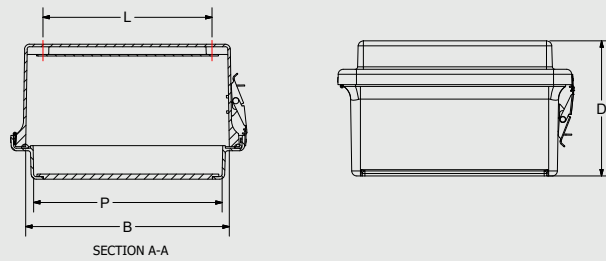
Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

HLL Industry Standards

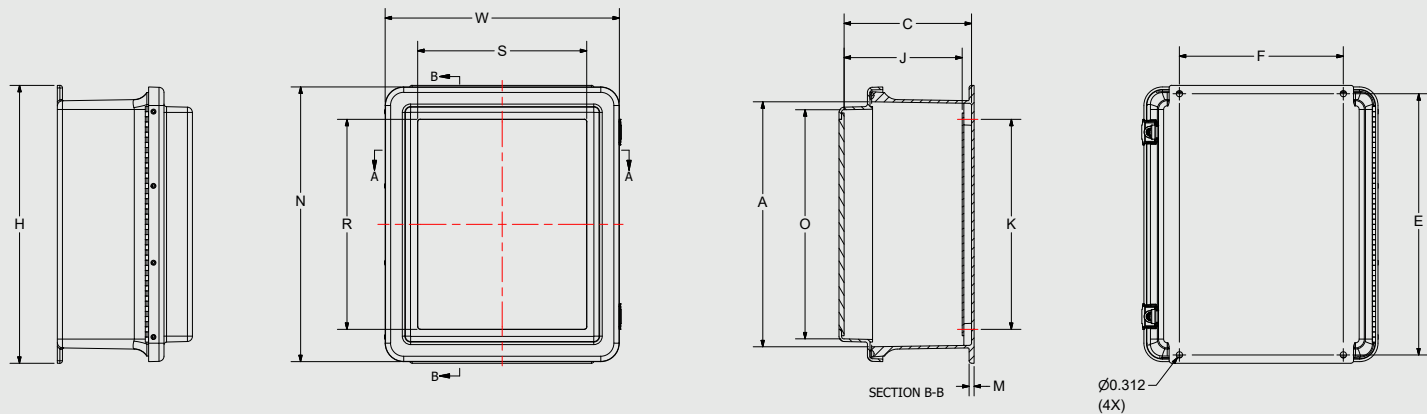
NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358; Type 1, 3R, 4X, 6P, 12
CSA Std C22.2	File LR069014; Type 1, 3R, 4X, 6P, 12
IEC 60529	File E362920 IP66
UL1741	File E333478; W, HW, HPL, FHW
Plenum Space (UL2043) Compliant	Yes
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Window Temperature Range	(-26°F to +170°F) (-32°C to +76°C)
Flammability Rating	UL94-5V
Self Extinguishing	Non-halogenated, Non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

HLL Accessories

PANELS	Aluminum	BP_AL	pg. 174-175
	Fiberglass	BP_FG	pg. 174-175
	Stainless Steel	BP_SS	pg. 174-175
	Carbon Steel	BP_CS	pg. 174-175
ACCESSORIES	Dead Front Panels		pg. 180-181
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194



- NOTES:
1. CATALOG DRAWING IS FOR REFERENCE ONLY
 2. SEE ACTUAL PART DRAWING FOR SPECIFIC DESIGN
 3. "J" DIMENSION IS WITH 0.080" THICK BACK PANEL INSTALLED
 4. BACK PANEL SOLD SEPARATELY



SCREW SIZES & TORQUE VALUES

PRODUCT SIZES	BACK PANEL SCREW SIZE	BACK PANEL RECOMMENDED TORQUE	COVER SCREW SIZE	COVER SCREW RECOMMENDED TORQUE	RECOMMENDED MOUNTING FLANGE TORQUE
RJW604 up to RJW2016	#10-32 x 3/8	16 - 20 in-lbs	#10-24 x 5/8	20 - 24 in-lbs	45 in-lbs max

RJW Series – Flush Bonded Window

CATALOG NUMBER	OVERALL H X W X D	INSIDE A X B X C	WINDOW AREA (MAX) R X S	MOUNTING E X F	J	K	L	M	N	O	P	HOLE DIA.	SHIP WT.	PANEL NUMBER
RJW604HPL	7.47 x 5.47 x 6.21 (190 x 139 x 158)	5.84 x 3.85 x 5.81 (148 x 98 x 148)	4.25 x 2.25 (108 x 57)	6.75 x 2.00 (171 x 51)	5.51 (140)	4.25 (108)	2.25 (57)	0.25 (6)	7.45 (189)	5.31 (135)	3.34 (85)	0.31 (8)	2.60 lbs.	BP64*
RJW606HPL	7.50 x 7.53 x 6.32 (191 x 191 x 161)	5.72 x 5.72 x 5.97 (145 x 145 x 152)	4.25 x 4.25 (108 x 108)	6.75 x 4.00 (171 x 101)	5.49 (139)	4.25 (108)	4.25 (108)	0.25 (6)	7.53 (191)	5.34 (136)	5.31 (135)	0.31 (8)	3.10 lbs.	BP66*
RJW806HPL	9.63 x 7.52 x 6.20 (245 x 191 x 158)	7.73 x 5.74 x 5.97 (196 x 146 x 152)	6.25 x 4.25 (159 x 108)	8.88 x 4.00 (225 x 101)	5.49 (139)	6.25 (159)	4.25 (108)	0.25 (6)	9.36 (238)	7.25 (185)	5.28 (134)	0.31 (8)	3.70 lbs.	BP86*

All measures are in inches, items in parentheses are in millimeters.



*Panel sold separately



RJW Series – Flush Bonded Window

CATALOG NUMBER	OVERALL H X W X D	INSIDE A X B X C	WINDOW AREA (MAX) R X S	MOUNTING E X F	J	K	L	M	N	O	P	HOLE DIA.	SHIP WT.	PANEL NUMBER
RJW1008HPL RJW1008HLL	11.63 x 9.37 x 6.58 (295 x 238 x 167)	9.73 x 7.73 x 6.25 (247 x 196 x 159)	8.25 x 6.25 (210 x 159)	10.75 x 6.00 (273 x 152)	5.87 (149)	8.25 (209)	6.25 (159)	0.25 (6)	11.38 (289)	9.3 (236)	7.38 (188)	0.31 (8)	5.20 lbs.	BP108*
RJW1210HPL RJW1210HLL	13.56 x 11.43 x 6.58 (344 x 291 x 167)	11.79 x 9.80 x 6.31 (299 x 249 x 160)	10.25 x 8.25 (260 x 210)	12.75 x 8.00 (324 x 203)	5.87 (149)	10.25 (260)	8.25 (210)	0.25 (6)	13.41 (341)	11.2 (284)	9.23 (234)	0.31 (8)	6.70 lbs.	BP1210*
RJW1412HPL RJW1412HLL	15.50 x 13.38 x 7.69 (394 x 340 x 195)	13.52 x 11.52 x 7.34 (343 x 293 x 186)	12.25 x 10.25 (311 x 260)	14.63 x 10.00 (372 x 254)	6.86 (174)	12.25 (311)	10.25 (260)	0.25 (6)	15.42 (392)	13.2 (335)	11.16 (284)	0.31 (8)	10.20 lbs.	BP1412*
RJW1614HPL RJW1614HLL	17.53 x 15.43 x 7.68 (445 x 392 x 195)	15.60 x 13.56 x 7.34 (396 x 344 x 186)	14.25 x 12.25 (362 x 311)	16.75 x 12.00 (425 x 305)	6.85 (174)	14.25 (362)	12.25 (311)	0.25 (6)	17.43 (443)	15.2 (386)	13.24 (336)	0.31 (8)	12.30 lbs.	BP1614*
RJW1816HPL RJW1816HLL	19.63 x 17.63 x 10.63 (499 x 444 x 270)	17.69 x 15.69 x 10.18 (449 x 399 x 259)	16.25 x 14.25 (413 x 362)	18.88 x 12.00 (479 x 305)	9.86 (250)	16.25 (413)	14.25 (362)	0.25 (6)	19.49 (495)	17.25 (438)	15.25 (387)	0.31 (8)	19.50 lbs.	BP1816*
RJW2016HPL	22.00 x 17.56 x 10.63 (559 x 446 x 270)	19.72 x 15.72 x 10.59 (501 x 399 x 269)	18.25 x 14.25 (464 x 362)	21.25 x 10.00 (540 x 254)	9.86 (250)	18.25 (464)	14.25 (362)	0.25 (6)	21.56 (548)	19.31 (490)	15.39 (391)	0.31 (8)	21.40 lbs.	BPJ2016*

All measures are in inches, items in parentheses are in millimeters.



*Panel sold separately



FatBoy Series



FatBoy
Series



FatBoy Series

Industry's unique requirement for extra deep enclosure without significantly increasing the height and width of the enclosure is met with Stahlin's extra deep **Fatboy Series**.

The **Fatboy Series** is a clam shell style enclosure, noted by near equidistant capacity in both the cover and base. The series employs a flange mount base for ease of installation, a stainless steel full length hinge and stainless steel securing latch. Door clearance to the installed equipment must be considered when specifying this enclosure.

The demands for cover mounted components such as cover panels, din rails or multiple contact pushbuttons are met with ample depth from the cover or with substantial height for panel mounted components.

Product Configurations

OPAQUE COVER



HINGED,
PADLOCK
LATCH

FLUSH BONDED WINDOW



HINGED,
PADLOCK
LATCH

Attributes

- Available in 2 cover options:
 1. Opaque cover
 2. Flush bonded window
- Clam shell design, opening from the middle of the enclosure
- All stainless latches and hardware
- Memory retaining polyurethane gasket between cover and bases
- Full length stainless steel hinge
- Chemically resistant fiberglass reinforced polyester
- Integral mounting flange

Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3R, 4X, 12
CSA Std C22.2	File LR069014 Type 1, 3R, 4X, 12
IEC60529	File E362920 IP66
UL1741	File E333478
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Temperature Range Window	(-26°F to +170°F) (-32°C to +76°C)
Flammability Rating	UL94-5V
Impact Rating	IK10
Self Extinguishing	Non-halogenated, non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor UV Exposure	(f1) Rated
Color	Available standard glacier grey (PMS 428C).



SSH

Opaque Cover

SSH

CONFIGURATION

Hinged, padlock latch



SSH Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Pan Head Screws	Minimized protruding surfaces
Stainless Steel Hardware	300 Series stainless used on all external hardware
Molded in Mounting Flange	Molded in flange for ease of mounting
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	Back panel and cover panel utilizes threaded brass inserts accepting 10-32 screws.
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Color	Available standard glacier grey (PMS 428C)

SSH Modifications

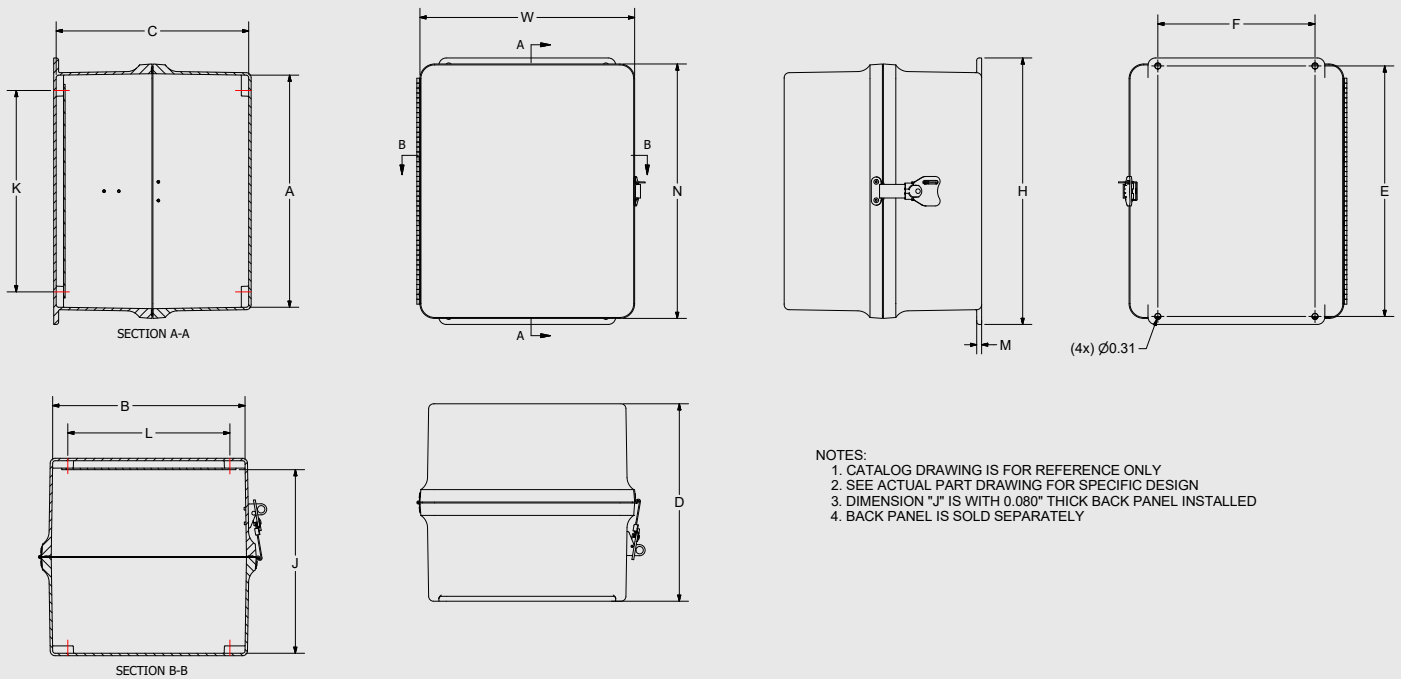
Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

SSH Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3R, 4X, 12
CSA Std C22.2	File LR069014 Type 1, 3R, 4X, 12
IEC60529	File E362920 IP66
UL1741	File E333478
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Flammability Rating	UL94-5V
Self Extinguishing	Non-halogenated, non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

SSH Accessories

BACK PANELS	Aluminum	BP_AL	pg. 174-175
	Fiberglass	BP_FG	pg. 174-175
	Stainless Steel	BP_SS	pg. 174-175
	Carbon Steel	BP_CS	pg. 174-175
ACCESSORIES	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194



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 3. DIMENSION "J" IS WITH 0.080" THICK BACK PANEL INSTALLED
 4. BACK PANEL IS SOLD SEPARATELY

SCREW SIZES & TORQUE VALUES

PRODUCT SIZES	BACK PANEL SCREW SIZE	BACK PANEL RECOMMENDED TORQUE	RECOMMENDED MOUNTING FLANGE TORQUE
ALL SIZES	#10-32 x 3/8	16 - 20 in.-lbs	45 in.-lbs max

FatBoy Series – Opaque Cover

CATALOG NUMBER	OVERALL H x W x D	INSIDE A x B x C	MOUNTING E x F	J	K	L	M	N	HOLE DIA.	SHIP WEIGHT	PANEL NUMBER
J8068SSH	9.63 x 6.85 x 9.06 (245 x 174 x 230)	7.73 x 5.74 x 8.94 (196 x 146 x 227)	8.88 x 4.00 (225 x 101)	8.36 (212)	6.25 (159)	4.25 (108)	.25 (6)	8.87 (225)	.31 (8)	5.3 lbs.	BP86*
J8088SSH	9.56 x 8.84 x 9.44 (243 x 225 x 240)	7.73 x 7.73 x 9.19 (196 x 196 x 233)	8.75 x 6.00 (222 x 152)	8.61 (219)	6.25 (159)	6.25 (159)	.25 (6)	8.84 (224)	.31 (8)	5.8 lbs.	BP88*
J10088SSH	11.63 x 8.84 x 8.09 (295 x 225 x 206)	9.73 x 7.73 x 7.84 (247 x 196 x 199)	10.75 x 6.00 (273 x 152)	7.39 (188)	8.25 (210)	6.25 (159)	.25 (6)	10.86 (276)	.31 (8)	6.5 lbs.	BP108*
J121010SSH	13.56 x 10.93 x 10.06 (344 x 278 x 256)	11.79 x 9.80 x 9.81 (299 x 249 x 249)	12.75 x 8.00 (324 x 203)	9.36 (238)	10.25 (260)	8.25 (210)	.25 (6)	12.95 (329)	.31 (8)	9.1 lbs.	BP1210*
J121212SSH	13.56 x 12.84 x 12.38 (344 x 326 x 314)	11.70 x 11.70 x 12.13 (297 x 297 x 308)	12.75 x 10.00 (324 x 254)	11.55 (293)	10.25 (260)	10.25 (260)	.25 (6)	12.84 (326)	.31 (8)	12.1 lbs.	BP1212*
J141212SSH	15.50 x 12.83 x 12.06 (394 x 326 x 306)	13.50 x 11.52 x 11.81 (343 x 293 x 300)	14.63 x 10.00 (372 x 254)	11.23 (285)	12.25 (311)	10.25 (260)	.25 (6)	14.88 (378)	.31 (8)	14.1 lbs.	BP1412*
J161412SSH	17.53 x 14.94 x 12.07 (445 x 379 x 307)	15.60 x 13.56 x 11.82 (396 x 344 x 300)	16.75 x 12.00 (425 x 305)	11.24 (285)	14.25 (362)	12.25 (311)	.25 (6)	16.95 (431)	.31 (8)	17.6 lbs.	BP1614*
J181617SSH	19.63 x 16.92 x 17.19 (499 x 430 x 437)	17.69 x 15.69 x 16.81 (449 x 399 x 427)	18.88 x 12.00 (479 x 305)	16.38 (416)	16.25 (413)	14.25 (362)	.25 (6)	18.92 (481)	.31 (8)	26.4 lbs.	BP1816*
J201617SSH	22.00 x 17.00 x 17.21 (559 x 432 x 437)	19.72 x 15.72 x 16.84 (501 x 399 x 428)	21.25 x 10.00 (540 x 254)	16.38 (416)	18.25 (464)	14.25 (362)	.25 (6)	21.00 (533)	.31 (8)	28.5 lbs.	BPJ2016*

Caution: Metric units are for reference; do not convert.



*Panel sold separately



SSH

Product Specifications

FatBoy Series

Flush Bonded Window

SSH

CONFIGURATION

Hinged, padlock latch



SSH Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Stainless Steel Hardware	300 Series stainless used on all external hardware
Molded in Mounting Flange	Molded in flange for ease of mounting
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	Back panel utilizes threaded brass inserts accepting 10-32 screws
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Bonded Window	Precision routed flush bonded Super Abrasion Resistant acrylic material for maximum visibility
Color	Available standard glacier grey (PMS 428C)

SSH Modifications

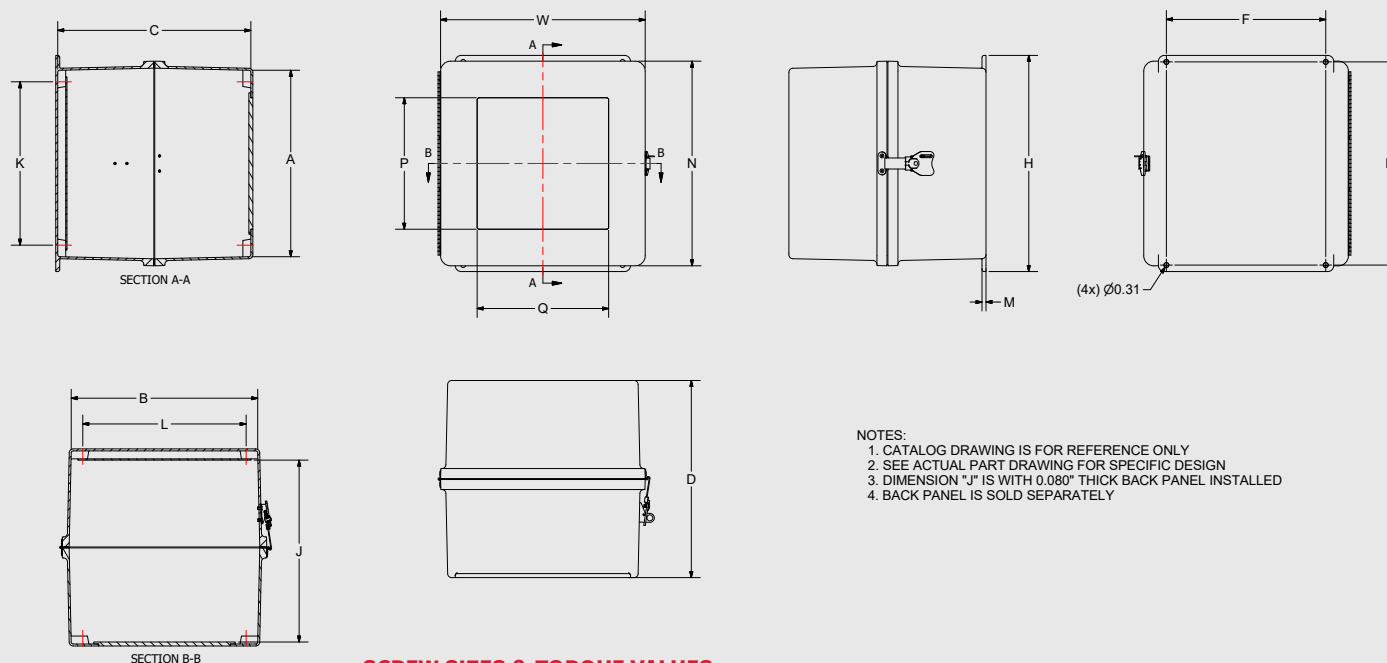
Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

SSH Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3R, 4X, 12
CSA Std C22.2	File LR069014 Type 1, 3R, 4X, 12
IEC60529	File E362920 IP66
UL1741	File E333478
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Temperature Range Window	(-26°F to +170°F) (-32°C to +76°C)
Flammability Rating	UL94-5V
Self Extinguishing	Non-halogenated, non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

SSH Accessories

BACK PANELS	Aluminum	BP_AL	pg. 174-175
	Fiberglass	BP_FG	pg. 174-175
	Stainless Steel	BP_SS	pg. 174-175
	Carbon Steel	BP_CS	pg. 174-175
ACCESSORIES	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194



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 4. BACK PANEL IS SOLD SEPARATELY

SCREW SIZES & TORQUE VALUES

PRODUCT SIZES	BACK PANEL SCREW SIZE	BACK PANEL RECOMMENDED TORQUE	COVER SCREW SIZE	COVER SCREW RECOMMENDED TORQUE	RECOMMENDED MOUNTING FLANGE TORQUE
J604 up to J2016	#10-32 x 3/8	16 - 20 in-lbs	#10-24 x 5/8	20 - 24 in-lbs	45 in-lbs max
J2020 up to J2424	1/4-20 x 1/2	20 - 24 in-lbs	N/A	N/A	80 in-lbs max

FatBoy Series – Flush Bonded Window

CATALOG NUMBER	OVERALL H x W x D	INSIDE A x B x C	MOUNTING E x F	J	K	L	M	N	WINDOW AREA P x Q	HOLE DIA.	SHIP WEIGHT	PANEL NUMBER
JW121010SSH	13.56 x 10.93 x 10.06 (344 x 278 x 256)	11.79 x 9.80 x 9.81 (299 x 249 x 249)	12.75 x 8.00 (324 x 203)	9.36 (238)	10.25 (260)	8.25 (210)	.25 (6)	12.95 (329)	8.875 x 6.875 (225 x 175)	.31 (8)	9.1 lbs.	BP1210*
JW141212SSH	15.50 x 12.83 x 12.06 (394 x 326 x 306)	13.50 x 11.52 x 11.81 (343 x 293 x 300)	14.63 x 10.00 (372 x 254)	11.23 (285)	12.25 (311)	10.25 (260)	.25 (6)	14.88 (378)	10.875 x 8.875 (276 x 225)	.31 (8)	14.1 lbs.	BP1412*
JW161412SSH	17.53 x 14.94 x 12.07 (445 x 379 x 307)	15.60 x 13.56 x 11.82 (396 x 344 x 300)	16.75 x 12.00 (425 x 305)	11.24 (285)	14.25 (362)	12.25 (311)	.25 (6)	16.95 (431)	12.25 x 10.25 (311 x 260)	.31 (8)	17.6 lbs.	BP1614*
JW181617SSH	19.63 x 16.92 x 17.19 (499 x 430 x 437)	17.69 x 15.69 x 16.81 (449 x 399 x 427)	18.88 x 12.00 (479 x 305)	16.38 (416)	16.25 (413)	14.25 (362)	.25 (6)	18.92 (481)	14.875 x 12.875 (378 x 327)	.31 (8)	26.4 lbs.	BP1816*

Caution: Metric units are for reference; do not convert.



*Panel sold separately



TeleControl Series



TeleControl
Series



TeleControl Series

The **TeleControl Series** is designed to house telephones. The **TeleControl Series** enclosures follow the original design of fiberglass enclosure products featuring a modest overhang raised cover on a flange mounted base. This simple but elegant concept offers unobstructed side-walls, built in mounting capabilities and the strength characteristics associated with a protective wrap around raised cover that is hinged and latched down. The bonded window is precision routed flush and features Super Abrasion Resistant acrylic material. Simple in its design, the enclosure can be configured with cutouts and modifications that make your finished product truly unique. They accommodate standard back panel mounting to secure the phone.

Product Configurations

TELECONTROL SERIES



TELEPHONE
ENCLOSURE

Attributes

- Overhang cover on smooth sided base
- High temperature, flame retardant, non-corrosive
- Full length stainless hinge
- Chemically resistant fiberglass reinforced polyester
- Non-corrosive environmental designs
- Continuous polyurethane gasket

Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3R, 4X, 6P, 12
CSA Std C22.2	File LR069014 Type 1, 3R, 4X, 6P, 12
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Window Temperature Range	(-26°F to +170°F) (-32°C to +76°C)
Flammability Rating	UL94-5V
Self Extinguishing	Non-halogenated, non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor UV Exposure	(f1) Rated
Color	Available standard glacier grey (PMS 428C)



TeleControl Series



CONFIGURATION
Telephone enclosure



TC Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Stainless Steel Hardware	300 Series stainless used on all external hardware
Molded in Mounting Flange	Molded in flange for ease of mounting.
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	Back panel utilizes threaded brass inserts accepting 10-32 screws
Bonded Window	Precision routed flush bonded Super Abrasion Resistant acrylic material for maximum visibility
Color	Available standard in glacier grey (PMS 428C)

TC Modifications

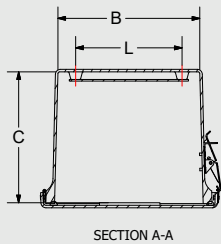
Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

TC Industry Standards

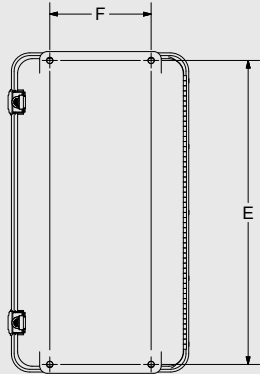
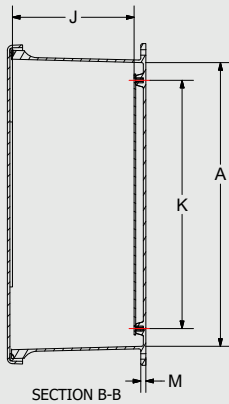
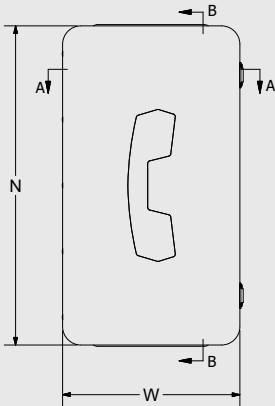
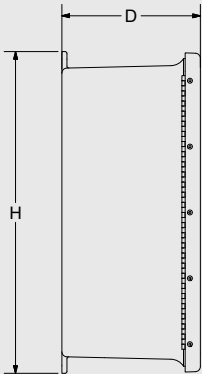
NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3R, 4X, 6P, 12
CSA Std C22.2	File LR069014 Type 1, 3R, 4X, 6P, 12
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Window Temperature Range	(-26°F to +170°F) (-32°C to +76°C)
Flammability Rating	UL94-5V
Self Extinguishing	Non-halogenated, non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor UV Exposure	(f1) Rated

TC Accessories

BACK PANELS	Aluminum	BP_AL	pg. 174-175
	Fiberglass	BP_FG	pg. 174-175
	Stainless Steel	BP_SS	pg. 174-175
	Carbon Steel	BP_CS	pg. 174-175
ACCESSORIES	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194



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 - 4. BACK PANEL IS SOLD SEPARATELY



SCREW SIZES & TORQUE VALUES

PRODUCT SIZES	BACK PANEL SCREW SIZE	BACK PANEL RECOMMENDED TORQUE	RECOMMENDED MOUNTING FLANGE TORQUE
J1407TC	#10-32 x 3/8	16 - 20 in-lbs	45 in-lbs max

TeleControl Series

CATALOG NUMBER	OVERALL H X W X D	INSIDE A X B X C	MOUNTING E X F	J	K	L	M	N	HOLE DIA.	SHIP WEIGHT	PANEL NUMBER
J1407TC	15.87 x 8.75 x 6.81 (403 x 222 x 173)	14.00 x 7.00 x 6.56 (356 x 178 x 167)	15 x 5 (381 x 127)	6.00 (152)	12.25 (311)	5.25 (133)	0.25 (6)	15.75 (400)	0.31 (8)	6.1 lbs.	BP1407*

Standard package does not include actual phone and installation of phone.
Other non-metallic enclosures available with phone window.



*Panel sold separately



Diamond Shield® Series



Diamond Shield®
Series



Diamond Shield® Series

The **Diamond Shield® Series** was developed for design flexibility and pleasing aesthetics. Applications include high-end electronics, harsh corrosive environments, and industrial applications both indoors and out. Unique internal panel management capabilities provides the end user with only the features they need for their application, yet able to use every cubic inch of valuable internal enclosure space. The series offers an additional feature of panel mounting in the cover for use as an operator interface in industrial equipment control stations when required.

Product Configurations

OPAQUE COVER



HINGED,
2 LOCKABLE
PULL LATCHES



HINGED,
2 COVER
SCREWS



4 COVER
SCREWS,
LIFT OFF
COVER



HINGED,
2 LOCKABLE
LINK LATCHES

FLUSH BONDED WINDOW



HINGED,
2 LOCKABLE
PULL LATCHES



HINGED,
2 LOCKABLE
LINK LATCHES

CLEAR WINDOW



HINGED,
2 LOCKABLE
PULL LATCHES



HINGED,
2 COVER
SCREWS



4 COVER
SCREWS,
LIFT OFF
COVER



HINGED,
2 LOCKABLE
LINK LATCHES

Attributes

- Available in 3 cover options:
 1. Opaque cover
 2. Flush bonded window
 3. Clear polycarbonate cover
- Maximum visibility to raised panels and control devices
- High temperature, flame retardant, non corrosive, environmental designs
- Stands up to an exceptionally broad range of chemical exposures
- Results in an environmentally sealed, environmentally sound space
- High impact resistance
- Double insulated material No incidental electrical contact
- Solid construction in a lightweight design
- UV Resistant

Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3, 3S, 4X, 12, 13
CSA Std C22.2	File LR069014 Type 1, 3, 3S, 4X, 12, 13
IEC 60529	IP66
UL1741, W, HW, HL, HPL	File E333478
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Temperature Range Window	(-26°F to +170°F) (-32°C to +76°C)
Temperature Range Clear Cover	(-40°F to +248°F) (-40°C to +120°C)
Flammability Rating	UL94-5V
Clear Cover Flammability	UL94-5V
Impact Rating	IK10
Self Extinguishing	Non-Halogenated, Non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor UV Exposure	(f1) Rated



Opaque Cover

HPL

CONFIGURATION
Hinged, 2 lockable
pull latches

HPL Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Stainless Steel Hardware	300 Series stainless used on all hardware
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal inserts	All bosses utilize threaded brass inserts accepting 10-32 screws
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Color	Available standard glacier grey (PMS 428C)

HPL Modifications

Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

HPL Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3, 3S, 4X, 12, 13
CSA Std C22.2	File LR069014 Type 1, 3, 3S, 4X, 12, 13
IEC 60529	IP66
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Flammability Rating	UL94-5V
Impact Rating	IK10
Self Extinguishing	Non-Halogenated, Non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

HPL Accessories

PANELS	Aluminum	BP_AL	pg. 174-175
	Fiberglass	BP_FG	pg. 174-175
	Stainless Steel	BP_SS	pg. 174-175
	Carbon Steel	BP_CS	pg. 174-175
ACCESSORIES	Dead Front Panels		pg. 180-181
	Mounting Feet		pg. 192
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194



Opaque Cover

CONFIGURATION
Hinged, 2 cover screws

HW

HW Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Recessed Screws	No protruding surfaces
Stainless Steel Hardware	300 Series stainless used on all hardware
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal inserts	All bosses utilize threaded brass inserts accepting 10-32 screws Cover screws 10-24
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Color	Available standard glacier grey (PMS 428C)

HW Modifications

Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

HW Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3, 3S, 4X, 12, 13
CSA Std C22.2	File LR069014 Type 1, 3, 3S, 4X, 12, 13
IEC 60529	IP66
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Flammability Rating	UL94-5V
Impact Rating	IK10
Self Extinguishing	Non-Halogenated, Non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

HW Accessories

PANELS	Aluminum	BP_AL	pg. 174-175
	Fiberglass	BP_FG	pg. 174-175
	Stainless Steel	BP_SS	pg. 174-175
	Carbon Steel	BP_CS	pg. 174-175
ACCESSORIES	Dead Front Panels		pg. 180-181
	Mounting Feet		pg. 192
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194



Opaque Cover

W

CONFIGURATION

4 cover screws, lift off cover



W Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Recessed Screws	No protruding surfaces
Stainless Steel Hardware	300 Series stainless used on all hardware
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal inserts	All bosses utilize threaded brass inserts accepting 10-32 screws; cover screws 10-24.
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Color	Available standard glacier grey (PMS 428C)

W Modifications

Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

W Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3, 3S, 4X, 12, 13
CSA Std C22.2	File LR069014 Type 1, 3, 3S, 4X, 12, 13
IEC 60529	IP66
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Flammability Rating	UL94-5V
Impact Rating	IK10
Self Extinguishing	Non-Halogenated, Non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

W Accessories

PANELS	Aluminum	BP_AL	pg. 174-175
	Fiberglass	BP_FG	pg. 174-175
	Stainless Steel	BP_SS	pg. 174-175
	Carbon Steel	BP_CS	pg. 174-175
ACCESSORIES	Dead Front Panels		pg. 180-181
	Mounting Feet		pg. 192
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194



Opaque Cover

CONFIGURATION
Hinged, 2 lockable
link latches



HLL Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Stainless Steel Hardware	300 Series stainless used on all hardware
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal inserts	All bosses utilize threaded brass inserts accepting 10-32 screws
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Color	Available standard glacier grey (PMS 428C)

HLL Modifications

Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

HLL Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3, 3S, 4X, 12, 13
CSA Std C22.2	File LR069014 Type 1, 3, 3S, 4X, 12, 13
IEC 60529	IP66
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Flammability Rating	UL94-5V
Impact Rating	IK10
Self Extinguishing	Non-Halogenated, Non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

HLL Accessories

PANELS	Aluminum	BP_AL	pg. 174-175
	Fiberglass	BP_FG	pg. 174-175
	Stainless Steel	BP_SS	pg. 174-175
	Carbon Steel	BP_CS	pg. 174-175
ACCESSORIES	Dead Front Panels		pg. 180-181
	Mounting Feet		pg. 192
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194





Diamond Shield® Series – Opaque Cover

CATALOG NUMBER	OVERALL H X W X D	INSIDE A X B X C	MOUNTING P X R	K	L	S	T	OPT. MOUNT FEET E X F	N	J	M	SHIP WEIGHT	PANEL NUMBER
DS80804HPL DS80804HW DS80804W DS80804HLL	9.39 x 9.77 x 4.31 (239 x 248 x 109)	8.74 x 8.74 x 4.06 (222 x 222 x 103)	7.91 x 6.00 (201 x 152)	6.25 (159)	6.25 (159)	3.60 (92)	.38 (10)	10.21 x 6.00 (259 x 152)	10.98 (279)	4.56 (116)	.25 (6)	4.9 lbs	BP88*
DS100806HPL DS100806HW DS100806W DS100806HLL	11.42 x 9.80 x 6.31 (290 x 249 x 160)	10.73 x 8.73 x 6.06 (273 x 222 x 154)	9.89 x 6.00 (251 x 152)	8.25 (210)	6.25 (159)	5.60 (142)	.38 (10)	12.19 x 6.00 (310 x 152)	12.96 (329)	6.56 (167)	.25 (6)	6.2 lbs	BP108*
DS121006HPL DS121006HW DS121006W DS121006HLL	13.46 x 11.83 x 6.31 (342 x 301 x 160)	12.72 x 10.72 x 6.06 (322 x 272 x 154)	11.88 x 8.00 (302 x 203)	10.25 (260)	8.25 (210)	5.60 (142)	.38 (10)	14.18 x 8.00 (360 x 203)	14.95 (380)	6.56 (167)	.25 (6)	8.0 lbs	BP1210*
DS141206HPL DS141206HW DS141206W DS141206HLL	15.49 x 13.86 x 6.34 (392 x 352 x 161)	14.72 x 12.72 x 6.06 (374 x 323 x 154)	13.91 x 10.00 (353 x 254)	12.25 (311)	10.25 (260)	5.60 (142)	.38 (10)	16.21 x 10.00 (412 x 254)	16.98 (431)	6.59 (167)	.25 (6)	10.0 lbs	BP1412*
DS141208HPL DS141208HW DS141208W DS141208HLL	15.49 x 13.86 x 8.34 (392 x 352 x 212)	14.72 x 12.72 x 8.06 (372 x 322 x 205)	13.91 x 10.00 (353 x 254)	12.25 (311)	10.25 (260)	7.60 (193)	.38 (10)	16.19 x 10.00 (411 x 254)	16.96 (431)	8.59 (218)	.25 (6)	12.5 lbs	BP1412*
DS161408HPL DS161408HW DS161408W DS161408HLL	17.59 x 15.96 x 8.34 (447 x 405 x 212)	16.69 x 14.69 x 8.06 (424 x 373 x 205)	15.96 x 12.00 (405 x 305)	14.25 (362)	12.25 (311)	7.60 (193)	.38 (10)	18.26 x 12.00 (464 x 305)	19.04 (484)	8.59 (218)	.25 (6)	13.3 lbs	BP1614*
DS181610HPL DS181610HW DS181610W DS181610HLL	19.77 x 18.15 x 10.34 (502 x 461 x 263)	18.63 x 16.63 x 10.06 (473 x 422 x 256)	17.94 x 14.00 (456 x 356)	16.25 (413)	14.25 (362)	9.60 (244)	.38 (10)	20.24 x 14.00 (514 x 356)	21.02 (534)	10.59 (269)	.25 (6)	20.2 lbs	BP1816*
DS201610HPL DS201610HW DS201610W DS201610HLL	21.79 x 18.17 x 10.34 (554 x 461 x 263)	20.63 x 16.63 x 10.06 (524 x 422 x 256)	19.96 x 14.00 (507 x 356)	18.25 (463)	14.25 (362)	9.59 (244)	.38 (10)	22.26 x 14.00 (566 x 356)	23.04 (585)	10.59 (269)	.25 (6)	21.7 lbs	BPJ2016*

All measures are in inches, items in parentheses are in millimeters.



*Panel sold separately



HPL

Product Specifications

Diamond Shield® Series

Flush Bonded Window

HPL

CONFIGURATION
Hinged, 2 lockable
pull latches

HPL Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Stainless Steel Hardware	300 Series stainless used on all hardware
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	All bosses utilize threaded brass inserts accepting 10-32 screws
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Bonded Window	Precision routed flush bonded Super Abrasion Resistant acrylic material for maximum visibility
Color	Available standard glacier grey (PMS 428C)

HPL Modifications

Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

HPL Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3, 3S, 4X, 12, 13
CSA Std C22.2	File LR069014 Type 1, 3, 3S, 4X, 12, 13
IEC 60529	IP66
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Flammability Rating	UL94-5V
Window Temperature Range	(-26°F to +170°F) (-32°C to +76°C)
Self Extinguishing	Non-Halogenated, Non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

HPL Accessories

PANELS	Aluminum	BP_AL	pg. 174-175
	Fiberglass	BP_FG	pg. 174-175
	Stainless Steel	BP_SS	pg. 174-175
	Carbon Steel	BP_CS	pg. 174-175
ACCESSORIES	Dead Front Panels		pg. 180-181
	Mounting Feet		pg. 192
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194



Flush Bonded Window

CONFIGURATION
Hinged, 2 lockable
link latches

HLL



HLL Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Stainless Steel Hardware	300 Series stainless used on all hardware
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal inserts	All bosses utilize threaded brass inserts accepting 10-32 screws
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Bonded Window	Precision routed flush bonded Super Abrasion Resistant acrylic material for maximum visibility
Color	Available standard glacier grey (PMS 428C)

HLL Modifications

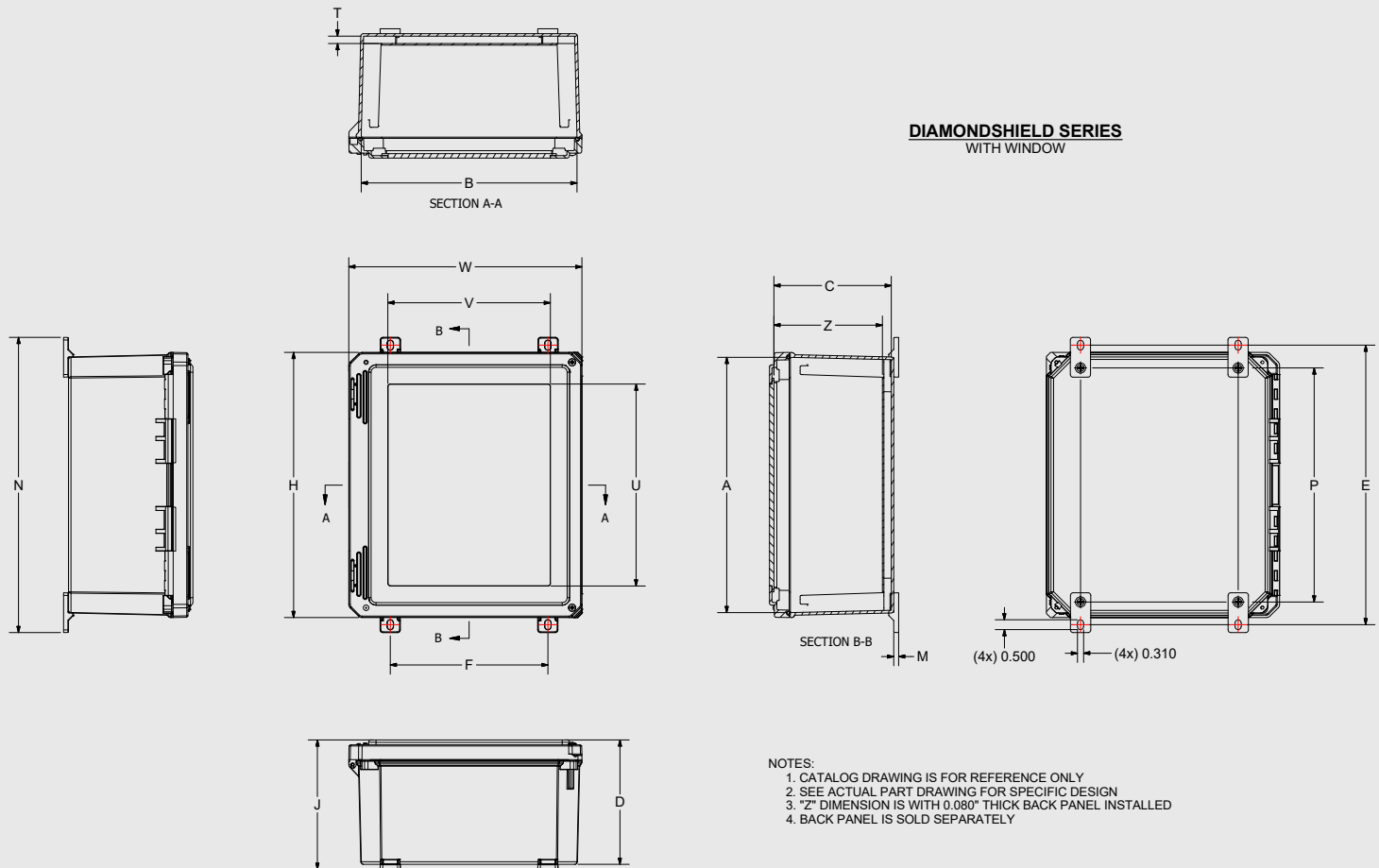
Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

HLL Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3, 3S, 4X, 12, 13
CSA Std C22.2	File LR069014 Type 1, 3, 3S, 4X, 12, 13
IEC 60529	IP66
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Flammability Rating	UL94-V5
Window Temperature Range	(-26°F to +170°F) (-32°C to +76°C)
Self Extinguishing	Non-Halogenated, Non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

HLL Accessories

PANELS	Aluminum	BP_AL	pg. 174-175
	Fiberglass	BP_FG	pg. 174-175
	Stainless Steel	BP_SS	pg. 174-175
	Carbon Steel	BP_CS	pg. 174-175
ACCESSORIES	Dead Front Panels		pg. 180-181
	Mounting Feet		pg. 192
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194



SCREW SIZES & TORQUE VALUES

PRODUCT SIZES	BACK PANEL SCREW SIZE	BACK PANEL RECOMMENDED TORQUE	COVER SCREW SIZE	COVER SCREW RECOMMENDED TORQUE	MOUNTING FOOT SCREW SIZE	MOUNTING FOOT SCREW RECOMMENDED TORQUE	RECOMMENDED MOUNTING FLANGE TORQUE
All Sizes	#10-32 x 3/8	16 - 20 in.-lbs	#10-32 x 1-1/4	20 - 24 in.-lbs	#10-32 x 7/16	22 - 25 in.-lbs	45 in.-lbs max

Diamond Shield® Series – Flush Bonded Window

CATALOG NUMBER	OVERALL H X W X D	INSIDE A X B X C	WINDOW AREA U X V	MOUNTING P X R	Z	K	L	S	T	OPT. MOUNT FEET E X F	N	J	M	SHIP WEIGHT	PANEL NUMBER
DSW60604HPL	7.42 x 7.79 x 4.31 (188 x 198 x 110)	6.77 x 6.77 (172 x 172 x 103)	4.25 x 4.25 (107.95 x 107.95)	5.93 x 4.00 (151 x 102)	3.48 (88.26)	4.25 (108)	4.25 (108)	3.60 (92)	.38 (10)	8.24 x 4.00 (209 x 102)	9.02 (229)	4.56 (116)	.25 (6)	3.8 lbs	BP66*
DSW80604HPL	9.42 x 7.79 x 4.31 (239 x 198 x 110)	8.77 x 6.77 (223 x 172 x 103)	6.25 x 4.25 (158.75 x 107.95)	7.91 x 4.00 (201 x 102)	3.48 (88.26)	6.25 (159)	4.25 (108)	3.60 (92)	.38 (10)	10.21 x 4.00 (259 x 102)	10.98 (279)	4.56 (116)	.25 (6)	4.1 lbs	BP86*
DSW80804HPL	9.39 x 9.77 x 4.31 (239 x 248 x 110)	8.74 x 8.74 (222 x 222 x 103)	6.25 x 6.25 (158.75 x 158.75)	7.91 x 6.00 (201 x 152)	3.48 (88.26)	6.25 (159)	6.25 (159)	3.60 (92)	.38 (10)	10.21 x 6.00 (259 x 152)	10.98 (279)	4.56 (116)	.25 (6)	4.9 lbs	BP88*

All measures are in inches, items in parentheses are in millimeters.



*Panel sold separately



Diamond Shield® Series – Flush Bonded Window

CATALOG NUMBER	OVERALL H X W X D	INSIDE A X B X C	WINDOW AREA U X V	MOUNTING P X R	Z	K	L	S	T	OPT. MOUNT FEET E X F	N	J	M	SHIP WEIGHT	PANEL NUMBER
DSW100806HPL DSW100806HLL	11.42 x 9.80 x 6.31 (290 x 249 x 160)	10.73 x 8.73 (273 x 222 x 154)	8.25 x 6.25 (209.55 x 158.75)	9.89 x 6.00 (251 x 152)	5.48 (139.19)	8.25 (210)	6.25 (159)	5.60 (142)	.38 (10)	12.19 x 6.00 (310 x 152)	12.96 (329)	6.56 (167)	.25 (6)	6.2 lbs	BP108*
DSW121006HPL	13.46 x 11.83 x 6.31 (342 x 301 x 160)	12.72 x 10.72 (322 x 272 x 154)	10.25 x 8.25 (260.35 x 209.55)	11.88 x 8.00 (302 x 203)	5.48 (139.19)	10.25 (260)	8.25 (210)	5.60 (142)	.38 (10)	14.18 x 8.00 (360 x 203)	14.95 (380)	6.56 (167)	.25 (6)	8.0 lbs	BP1210*
DSW141206HPL	15.49 x 13.86 x 6.34 (393 x 352 x 161)	14.72 x 12.72 (374 x 323 x 154)	12.25 x 10.25 (311.15 x 260.35)	13.91 x 10.00 (353 x 254)	5.48 (139.19)	12.25 (311)	10.25 (260)	5.60 (142)	.38 (10)	16.21 x 10.00 (412 x 254)	16.98 (431)	6.59 (167)	.25 (6)	10.0 lbs	BP1412*
DSW141208HPL	15.49 x 13.86 x 8.34 (393 x 352 x 212)	14.72 x 12.72 (372 x 322 x 205)	12.25 x 10.25 (311.15 x 260.35)	13.91 x 10.00 (353 x 254)	7.48 (189.99)	12.25 (311)	10.25 (260)	7.60 (193)	.38 (10)	16.19 x 10.00 (411 x 254)	16.96 (431)	8.59 (218)	.25 (6)	12.5 lbs	BP1412*
DSW161408HPL DSW161408HLL	17.59 x 15.96 x 8.34 (447 x 405 x 212)	16.69 x 14.69 (424 x 373 x 205)	14.25 x 12.25 (361.95 x 311.15)	15.96 x 12.00 (405 x 305)	7.48 (189.99)	14.25 (362)	12.25 (311)	7.60 (193)	.38 (10)	18.26 x 12.00 (464 x 305)	19.04 (484)	8.59 (218)	.25 (6)	13.3 lbs	BP1614*
DSW181610HPL DSW181610HLL	19.77 x 18.15 x 10.34 (502 x 461 x 263)	18.63 x 16.63 (473 x 422 x 256)	16.25 x 14.25 (412.75 x 361.95)	17.94 x 14.00 (456 x 356)	9.48 (240.79)	16.25 (413)	14.25 (362)	9.60 (244)	.38 (10)	20.24 x 14.00 (514 x 356)	21.02 (534)	10.59 (269)	.25 (6)	20.2 lbs	BP1816*
DSW201610HPL DSW201610HLL	21.79 x 18.16 x 10.34 (554 x 461 x 263)	20.63 x 16.63 (524 x 422 x 256)	18.25 x 14.25 (463.55 x 361.95)	19.96 x 14.00 (507 x 356)	9.46 (240.28)	18.25 (463)	14.25 (362)	9.59 (244)	.38 (10)	22.26 x 14.00 (566 x 356)	23.04 (585)	10.59 (269)	.25 (6)	21.7 lbs	BPJ2016*

All measures are in inches, items in parentheses are in millimeters.



*Panel sold separately



HPL

Product Specifications

Diamond Shield® Series

Clear Cover

HPL

CONFIGURATION
Hinged, 2 lockable
pull latches

HPL Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Stainless Steel Hardware	300 Series stainless used on all hardware
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	All bosses utilize threaded brass inserts accepting 10-32 screws
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Cover	Clear polycarbonate with UV inhibitors
Color	Available standard glacier grey (PMS 428C)

HPL Modifications

Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

HPL Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3, 3S, 4X, 12, 13
CSA Std C22.2	File LR069014 Type 1, 3, 3S, 4X, 12, 13
IEC 60529	IP66
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Flammability Rating	UL94-5V
Cover Temperature Range	(-40°F to +248°F) (-40°C to +120°C)
Cover Flammability	UL94-5V
Self Extinguishing	Non-halogenated, Non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

HPL Accessories

PANELS	Aluminum	BP_AL	pg. 174-175
	Fiberglass	BP_FG	pg. 174-175
	Stainless Steel	BP_SS	pg. 174-175
	Carbon Steel	BP_CS	pg. 174-175
ACCESSORIES	Dead Front Panels		pg. 180-181
	Mounting Feet		pg. 192
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194



Clear Cover

CONFIGURATION
Hinged, 2 cover screws

HW

HW Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Stainless Steel Hardware	300 Series stainless used on all hardware
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	All bosses utilize threaded brass inserts accepting 10-32 screws
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Cover	Clear polycarbonate with UV inhibitors
Color	Available standard glacier grey (PMS 428C)

HW Modifications

Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

HW Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3, 3S, 4X, 12, 13
CSA Std C22.2	File LR069014 Type 1, 3, 3S, 4X, 12, 13
IEC 60529	IP66
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Flammability Rating	UL94-5V
Cover Temperature Range	(-40°F to +248°F) (-40°C to +120°C)
Cover Flammability	UL94-5V
Self Extinguishing	Non-halogenated, Non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

HW Accessories

PANELS	Aluminum	BP_AL	pg. 174-175
	Fiberglass	BP_FG	pg. 174-175
	Stainless Steel	BP_SS	pg. 174-175
	Carbon Steel	BP_CS	pg. 174-175
ACCESSORIES	Dead Front Panels		pg. 180-181
	Mounting Feet		pg. 192
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194



Clear Cover

W

CONFIGURATION
4 cover screws,
lift off cover



W Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Recessed Screws	No protruding surfaces
Stainless Steel Hardware	300 Series stainless used on all hardware
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	All bosses utilize threaded brass inserts accepting 10-32 screws
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Cover	Clear polycarbonate with UV inhibitors
Color	Available Standard Glacier Grey (PMS 428C)

W Modifications

Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

W Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3, 3S, 4X, 12, 13
CSA Std C22.2	File LR069014 Type 1, 3, 3S, 4X, 12, 13
IEC 60529	IP66
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Flammability Rating	UL94-5V
Cover Temperature Range	(-40°F to +248°F) (-40°C to +120°C)
Cover Flammability	UL94-5V
Self Extinguishing	Non-halogenated, Non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

W Accessories

PANELS	Aluminum	BP_AL	pg. 174-175
	Fiberglass	BP_FG	pg. 174-175
	Stainless Steel	BP_SS	pg. 174-175
	Carbon Steel	BP_CS	pg. 174-175
ACCESSORIES	Dead Front Panels		pg. 180-181
	Mounting Feet		pg. 192
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194



Clear Cover

CONFIGURATION
Hinged, 2 lockable
link latches



HLL Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Stainless Steel Hardware	300 Series stainless used on all hardware
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	All bosses utilize threaded brass inserts accepting 10-32 screws
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Cover	Clear polycarbonate with UV inhibitors
Color	Available Standard Glacier Grey (PMS 428C)

HLL Modifications

Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

HLL Industry Standards

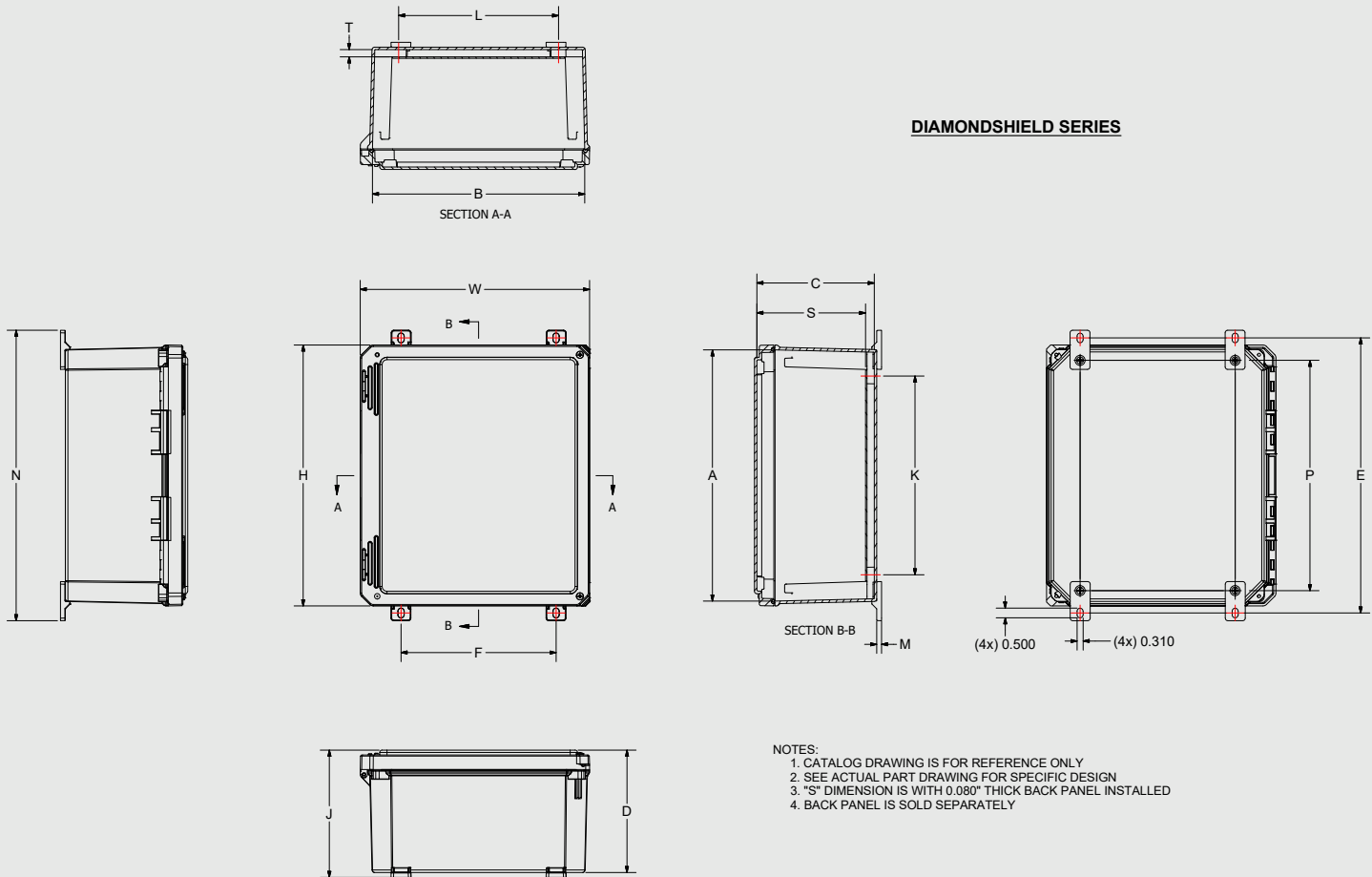
NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3, 3S, 4X, 12, 13
CSA Std C22.2	File LR069014 Type 1, 3, 3S, 4X, 12, 13
IEC 60529	IP66
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Flammability Rating	UL94-5V
Cover Temperature Range	(-40°F to +248°F) (-40°C to +120°C)
Cover Flammability	UL94-5V
Self Extinguishing	Non-halogenated, Non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

HLL Accessories

PANELS	Aluminum	BP_AL	pg. 174-175
	Fiberglass	BP_FG	pg. 174-175
	Stainless Steel	BP_SS	pg. 174-175
	Carbon Steel	BP_CS	pg. 174-175
ACCESSORIES	Dead Front Panels		pg. 180-181
	Mounting Feet		pg. 192
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194



DIAMONDSHIELD SERIES



SCREW SIZES & TORQUE VALUES

PRODUCT SIZES	BACK PANEL SCREW SIZE	BACK PANEL RECOMMENDED TORQUE	COVER SCREW SIZE	COVER SCREW RECOMMENDED TORQUE	MOUNTING FOOT SCREW SIZE	MOUNTING FOOT SCREW RECOMMENDED TORQUE	RECOMMENDED MOUNTING FLANGE TORQUE
All Sizes	#10-32 x 3/8	16 - 20 in-lbs	#10-32 x 1-1/4	20 - 24 in-lbs	#10-32 x 7/16	22 - 25 in-lbs	45 in-lbs max

Diamond Shield® Series – Clear Cover

CATALOG NUMBER	OVERALL H X W X D	INSIDE A X B X C	MOUNTING P X R	K	L	S	T	OPT. MOUNT FEET E X F	N	J	M	SHIP WEIGHT	PANEL NUMBER
DSCC60604HPL DSCC60604HW DSCC60604W DSCC60604HLL	7.42 x 7.79 x 4.31 (188 x 198 x 110)	6.77 x 6.77 x 4.06 (172 x 172 x 103)	5.93 x 4.00 (151 x 102)	4.25 (108)	4.25 (108)	3.60 (92)	.38 (10)	8.24 x 4.00 (209 x 102)	9.02 (229)	4.56 (116)	.25 (6)	3.8 lbs	BP66*
DSCC80604HPL DSCC80604HW DSCC80604W DSCC80604HLL	9.42 x 7.79 x 4.31 (239 x 198 x 110)	8.77 x 6.77 x 4.06 (223 x 172 x 103)	7.91 x 4.00 (201 x 102)	6.25 (159)	4.25 (108)	3.60 (92)	.38 (10)	10.21 x 4.00 (259 x 102)	10.98 (279)	4.56 (116)	.25 (6)	4.1 lbs	BP86*

All measures are in inches, items in parentheses are in millimeters.



*Panel sold separately



Diamond Shield® Series – Clear Cover

CATALOG NUMBER	OVERALL H X W X D	INSIDE A X B X C	MOUNTING P X R	K	L	S	T	OPT. MOUNT FEET E X F	N	J	M	SHIP WT.	PANEL NUMBER
DSCC80804HPL DSCC80804HW DSCC80804W DSCC80804HLL	9.39 x 9.77 x 4.31 (239 x 248 x 110)	8.74 x 8.74 x 4.06 (222 x 222 x 103)	7.91 x 6.00 (201 x 152)	6.25 (159)	6.25 (159)	3.60 (92)	.38 (10)	10.21 x 6.00 (259 x 152)	10.98 (279)	4.56 (116)	.25 (6)	4.9 lbs	BP88*
DSCC100806HPL DSCC100806HW DSCC100806W DSCC100806HLL	11.42 x 9.80 x 6.31 (290 x 249 x 160)	10.73 x 8.73 x 6.06 (273 x 222 x 154)	9.89 x 6.00 (251 x 152)	8.25 (210)	6.25 (159)	5.60 (142)	.38 (10)	12.19 x 6.00 (310 x 152)	12.96 (329)	6.56 (167)	.25 (6)	6.2 lbs	BP108*
DSCC121006HPL DSCC121006HW DSCC121006W DSCC121006HLL	13.46 x 11.83 x 6.31 (342 x 301 x 160)	12.72 x 10.72 x 6.06 (322 x 272 x 154)	11.88 x 8.00 (302 x 203)	10.25 (260)	8.25 (210)	5.60 (142)	.38 (10)	14.18 x 8.00 (360 x 203)	14.95 (380)	6.56 (167)	.25 (6)	8.0 lbs	BP1210*
DSCC141206HPL DSCC141206HW DSCC141206W DSCC141206HLL	15.49 x 13.86 x 6.34 (393 x 352 x 161)	14.72 x 12.72 x 6.06 (374 x 323 x 154)	13.91 x 10.00 (353 x 254)	12.25 (311)	10.25 (260)	5.60 (142)	.38 (10)	16.21 x 10.00 (412 x 254)	16.98 (431)	6.59 (167)	.25 (6)	10.0 lbs	BP1412*
DSCC141208HPL DSCC141208HW DSCC141208W DSCC141208HLL	15.49 x 13.86 x 8.34 (393 x 352 x 212)	14.72 x 12.72 x 8.06 (372 x 322 x 205)	13.91 x 10.00 (353 x 254)	12.25 (311)	10.25 (260)	7.60 (193)	.38 (10)	16.19 x 10.00 (411 x 254)	16.96 (431)	8.59 (218)	.25 (6)	12.5 lbs	BP1412*
DSCC161408HPL DSCC161408HW DSCC161408W DSCC161408HLL	17.59 x 15.96 x 8.34 (447 x 405 x 212)	16.69 x 14.69 x 8.06 (424 x 373 x 205)	15.96 x 12.00 (405 x 305)	14.25 (362)	12.25 (311)	7.60 (193)	.38 (10)	18.26 x 12.00 (464 x 305)	19.04 (484)	8.59 (218)	.25 (6)	13.3 lbs	BP1614*

All measures are in inches, items in parentheses are in millimeters.



*Panel sold separately



Panel Management System®

The design difference is unsurpassed

Stahlin's innovative "No-Limits" Patented Panel Management System® enables Diamond Shield® users to take maximum advantage of ALL enclosure space... including the inside of the cover!

- Back Panel
- Variable Height Stationary Panel
- Variable Height Swing Panel
- Dead Front Swing Panel
- Cover Panel

Benefits:

- Optimized use and function of all usable space within the enclosure while assisting in the mounting of cover mounted devices, such as touchpads and printed circuit boards.
- Maximized visibility of panels that offer critical feedback, such as instrumentation, while preserving the integrity of the enclosure
- Ability to meet unique visual requirements usually associated with a dead front panel.
- Ability to externally assemble, then "drop in" to the enclosure DIN rail mounted components, thereby minimizing assembly, modification and field servicing.
- Maximum surface area for pushbutton or touch pad layout. Maximizes end users' design possibilities.
- Offers restricted access to areas of adjustment calibration and dangerous voltage.

Go from this...



To this!





Panel Options – Panel Management System®

BACK PANEL

- Traditional sized back panel
- Common industry mounting footprint
- Wide choice of material



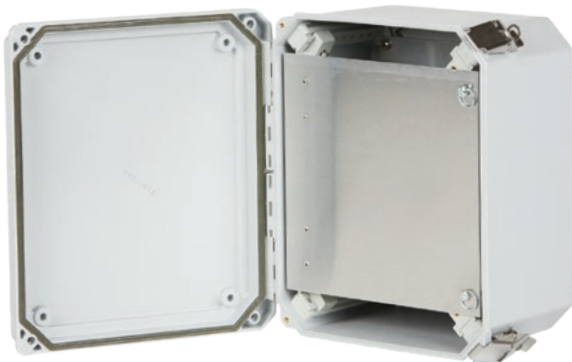
DEAD FRONT SWING PANEL

- Mounts at the front of the enclosure
- Larger surface area when compared to the variable height swing panel
- Hinged on one side, secured to the other
- Used in conjunction with corner mounting posts



VARIABLE HEIGHT STATIONARY PANEL

- Mounts at any height in the enclosure base including as back panel or use as a top stationary dead front panel
- Larger panel area than traditional back panels maximizes surface mounting area
- Used in conjunction with corner mounting posts



VARIABLE HEIGHT SWING PANEL

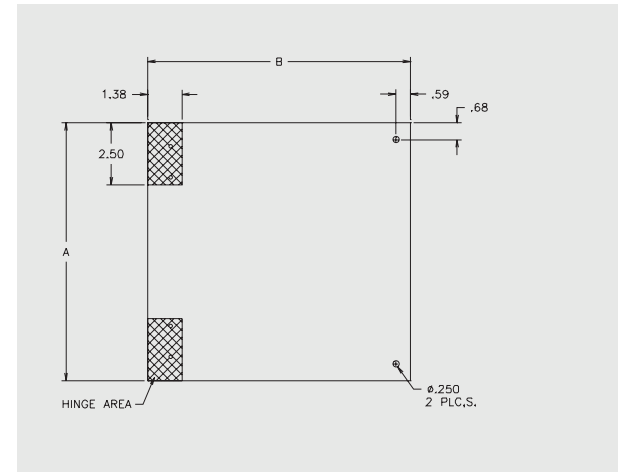
- Mounts at any height in the enclosure base
- Hinged on one side, secured to the other
- Used in conjunction with corner mounting posts



**Variable Height Swing Panels – Panel Management System®**

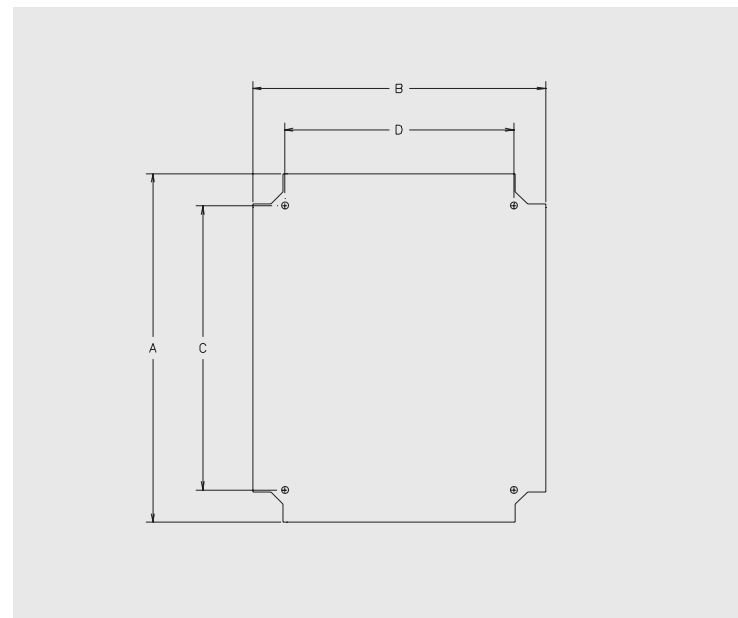
CATALOG NUMBER	A	B	PANEL THK.	PANEL TYPE
P806ASAL	6.38 (162)	6.56 (1167)	.080 (2)	Flat
P808ASAL	6.38 (162)	8.56 (217)	.080 (2)	Flat
P1008ASAL	8.38 (213)	8.56 (217)	.080 (2)	Flat
P1210ASAL	10.38 (264)	10.56 (268)	.080 (2)	Flat
P1412ASAL	12.38 (314)	12.56 (319)	.080 (2)	Flat
P1614ASAL	14.38 (365)	14.56 (370)	.080 (2)	Flat
P1816ASAL	16.38 (416)	16.56 (421)	.080 (2)	Flat
P2016ASAL	18.38 (467)	16.56 (421)	.080 (2)	Flat

Caution: Metric units are for reference; do not convert.
Note: Hardware included.

**Variable Height Stationary Panels – Panel Management System®**

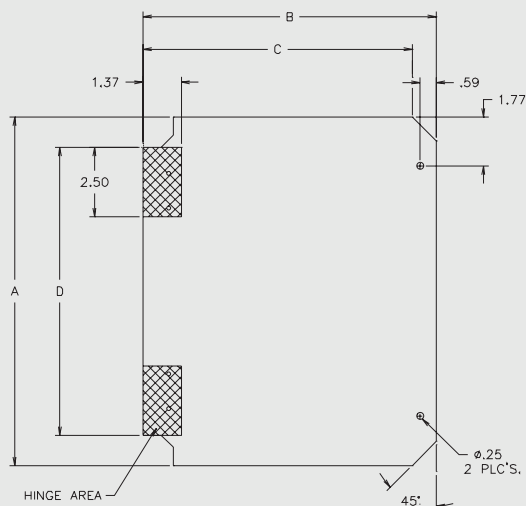
CATALOG NUMBER	A	B	C	D	PANEL THK.	PANEL TYPE	HOLE DIA.	# OF HOLES
P606STAL	6.56 (167)	6.56 (167)	4.25 (108)	4.25 (108)	.080 (2)	Flat	.25 (6)	4
P806STAL	8.56 (217)	6.56 (167)	6.25 (159)	4.25 (108)	.080 (2)	Flat	.25 (6)	4
P808STAL	8.56 (217)	8.56 (217)	6.25 (159)	6.25 (159)	.080 (2)	Flat	.25 (6)	4
P1008STAL	10.56 (268)	8.56 (217)	8.25 (210)	6.25 (159)	.080 (2)	Flat	.25 (6)	4
P1210STAL	12.56 (319)	10.56 (268)	10.25 (210)	8.25 (260)	.080 (2)	Flat	.25 (6)	4
P1412STAL	14.56 (370)	12.56 (319)	12.25 (311)	10.25 (260)	.080 (2)	Flat	.25 (6)	4
P1614STAL	16.56 (421)	14.56 (370)	14.25 (362)	12.25 (311)	.080 (2)	Flat	.25 (6)	4
P1816STAL	18.56 (471)	16.56 (421)	16.25 (413)	14.25 (362)	.080 (2)	Flat	.25 (6)	4
P2016STAL	20.56 (522)	16.56 (421)	18.25 (464)	14.25 (362)	.080 (2)	Flat	.25 (6)	4

Caution: Metric units are for reference; do not convert.





Dead Front Swing Panels – Panel Management System®



CATALOG NUMBER	A	B	C	D	PANEL THK.	PANEL TYPE
P806SWAL	8.56 (217)	6.56 (167)	5.70 (145)	6.38 (162)	.080 (2)	Flat
P808SWAL	8.56 (217)	8.56 (217)	7.70 (196)	6.38 (162)	.080 (2)	Flat
P1008SWAL	10.56 (268)	8.56 (217)	7.70 (196)	8.38 (213)	.080 (2)	Flat
P1210SWAL	12.56 (319)	10.56 (268)	10.38 (246)	9.70 (263)	.080 (2)	Flat
P1412SWAL	14.56 (370)	12.56 (319)	11.70 (297)	12.38 (314)	.080 (2)	Flat
P1614SWAL	16.56 (421)	14.56 (370)	13.70 (330)	14.38 (365)	.080 (2)	Flat
P1816SWAL	18.56 (471)	16.56 (421)	15.70 (399)	16.38 (467)	.080 (2)	Flat
P2016SWAL	20.56 (522)	16.56 (421)	15.70 (399)	17.19 (467)	.080 (2)	Flat

Caution: Metric units are for reference; do not convert.

Diamond Shield® Covers Only – Panel Management System®

OPAQUE COVERS	CLEAR COVERS	VIEWING WINDOW COVERS
DS606CVR	DSCC606CVR	DSW606CVR
DS806CVR	DSCC806CVR	DSW806CVR
DS808CVR	DSCC808CVR	DSW808CVR
DS1008CVR	DSCC1008CVR	DSW1008CVR
DS1210CVR	DSCC1210CVR	DSW1210CVR
DS1412CVR	DSCC1412CVR	DSW1412CVR
DS1614CVR	DSCC1614CVR	DSW1614CVR
DS1816CVR	DSCC1816CVR	DSW1816CVR
DS2016CVR	DSCC2016CVR	DSW2016CVR

Includes gasketed cover only – No hardware included.

**Panel Kits – Panel Management System®***Accessories only, Panels NOT included*

CATALOG NUMBER	STATIONARY PANEL ACCESSORY KIT	STATIONARY PANEL BRACKET KIT	SWING PANEL ACCESSORY KIT	SWING PANEL BRACKET KIT	CORNER POST KIT
60604	DS4PKA	DSAPBKT	N/A	N/A	DS4POST
80604	DS4PKA	DSAPBKT	DS4SPKA	DSSPBKT	DS4POST
80804	DS4PKA	DSAPBKT	DS4SPKA	DSSPBKT	DS4POST
100806	DS6PKA	DSAPBKT	DS6SPKA	DSSPBKT	DS6POST
121006	DS6PKA	DSAPBKT	DS6SPKA	DSSPBKT	DS6POST
141206	DS6PKA	DSAPBKT	DS6SPKA	DSSPBKT	DS6POST
141208	DS8PKA	DSAPBKT	DS8SPKA	DSSPBKT	DS8POST
161408	DS8PKA	DSAPBKT	DS8SPKA	DSSPBKT	DS8POST
181610	DS10PKA	DSAPBKT	DS10SPKA	DSSPBKT	DS10POST
201610	DS10PKA	DSAPBKT	DS10SPKA	DSSPBKT	DS10POST

CORNER POST KIT**Panel & Accessory Combo Kits – Panel Management System®***Includes Panel*

CATALOG NUMBER	DEAD FRONT SWING PANEL ACCESSORY KIT	VARIABLE HEIGHT SWING PANEL ACCESSORY KIT	VARIABLE HEIGHT STATIONARY PANEL ACCESSORY KIT	VARIABLE HEIGHT BACK PANEL BRACKET KIT
60604	N/A	N/A	DS60604PKA	DS60604BPKA
80604	DS80604SPK	DS80604SPKA	DS80604PKA	DS80604BPKA
80804	DS80804SPK	DS80804SPKA	DS80804PKA	DS80804BPKA
100806	DS100806SPK	DS100806SPKA	DS100806PKA	DS100806BPKA
121006	DS121006SPK	DS121006SPKA	DS121006PKA	DS121006BPKA
141206	DS141206SPK	DS141206SPKA	DS141206PKA	DS141206BPKA
141208	DS141208SPK	DS141208SPKA	DS141208PKA	DS141208BPKA
161408	DS161408SPK	DS161408SPKA	DS161408PKA	DS161408BPKA
181610	DS181610SPK	DS181610SPKA	DS181610PKA	DS181610BPKA
201610	DS201610SPK	DS201610SPKA	DS201610PKA	DS201610BPKA

SWING PANEL ACCESSORY KIT



Other Accessory Kits – Panel Management System®

CATALOG NUMBER	MTG. FOOT KIT	OPAQUE COVER SCREW KIT	CLEAR COVER SCREW KIT	LINK LATCH KIT	PULL LATCH KIT	HINGE KIT
60604	DSMGFTKIT	DSWKIT	DSCCWKIT	DSHLLKIT	DSHPLKIT	DS3HINGEKIT
80604	DSMGFTKIT	DSWKIT	DSCCWKIT	DSHLLKIT	DSHPLKIT	DS4HINGEKIT
80804	DSMGFTKIT	DSWKIT	DSCCWKIT	DSHLLKIT	DSHPLKIT	DS4HINGEKIT
100806	DSMGFTKIT	DSWKIT	DSCCWKIT	DSHLLKIT	DSHPLKIT	DS5HINGEKIT
121006	DSMGFTKIT	DSWKIT	DSCCWKIT	DSHLLKIT	DSHPLKIT	DS5HINGEKIT
141206	DSMGFTKIT	DSWKIT	DSCCWKIT	DSHLLKIT	DSHPLKIT	DS6HINGEKIT
141208	DSMGFTKIT	DSWKIT	DSCCWKIT	DSHLLKIT	DSHPLKIT	DS6HINGEKIT
161408	DSMGFTKIT	DSWKIT	DSCCWKIT	DSHLLKIT	DSHPLKIT	DS6HINGEKIT
181610	DSMGFTKIT	DSWKIT	DSCCWKIT	DSHLLKIT	DSHPLKIT	DS6HINGEKIT
201610	DSMGFTKIT	DSWKIT	DSCCWKIT	DSHLLKIT	DSHPLKIT	DS6HINGEKIT



Classic Series





Classic Series

The **Classic Series** enclosures are designed for general electrical and electronic applications as well as applications requiring broader environmental concerns.

These enclosures enhance the appearance of any instrument installation. They are especially suited for high visibility locations found in both industrial and commercial applications, but the chemical resistance and watertight capabilities make them ideal across a broad spectrum of environmental installations as well.

Product Configurations

OPAQUE COVER



HINGED,
PADLOCK
LATCH



HINGED,
2 COVER
SCREWS



4 COVER
SCREWS,
LIFT OFF
COVER



HINGED,
TWIST
LATCH



HINGED,
THROUGH-
THE-DOOR
LATCH

WINDOW COVER



HINGED,
PADLOCK
LATCH



HINGED,
2 COVER
SCREWS



4 COVER
SCREWS,
LIFT OFF
COVER



HINGED,
TWIST
LATCH

Attributes

- Available in 2 cover options:
 1. Opaque cover
 2. Flush bonded window
- Stands up to an exceptionally broad range of chemical exposures
- High impact resistance
- Double insulated material. No incidental electrical contact
- Hidden hinge design
- UV Resistant
- Soft edge design, smooth lines, flush cover
- Super abrasion-resistant acrylic window
- High temperature, flame retardant, non-corrosive, environmental designs

Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3, 3R, 3S, 4X, 12
CSA Std C22.2	File LR069014 Type 1, 3, 3R, 3S, 4X, 12
UL1741	File E333478 W, HW, HL, HPL
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Window Temperature Range	(-26°F to +170°F) (-32°C to +76°C)
Flammability Rating	UL94-5V
Self Extinguishing	Non-halogenated, Non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor UV Exposure	(f1) Rated



HPL

Opaque Cover

HPL

CONFIGURATION

Hinged, padlock latch



HPL Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Stainless Steel Hardware	300 Series stainless used on all external hardware
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	All bosses utilize threaded brass inserts accepting 10-32 screws
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Color	Available standard glacier grey (PMS 428C)

HPL Modifications

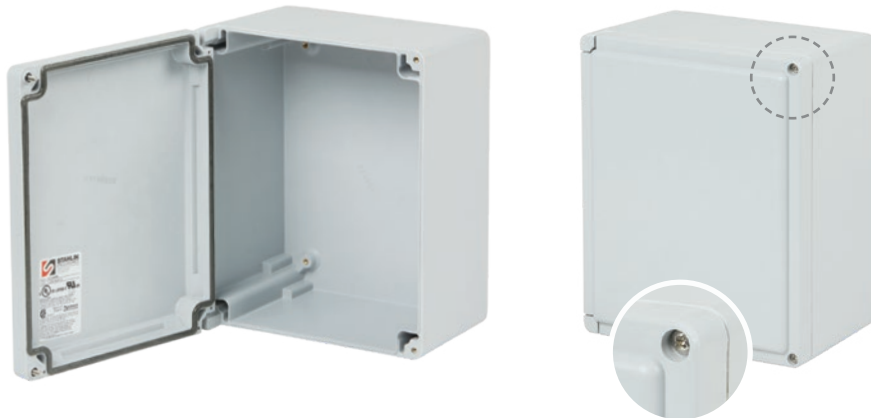
Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

HPL Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3, 3R, 3S, 4X, 12
CSA Std C22.2	File LR069014 Type 1, 3, 3R, 3S, 4X, 12
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Flammability Rating	UL94-5V
Self Extinguishing	Non-halogenated, Non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

HPL Accessories

PANELS	Aluminum	BP_AL	pg. 174-175
	Fiberglass	BP_FG	pg. 174-175
	Stainless Steel	BP_SS	pg. 174-175
	Carbon Steel	BP_CS	pg. 174-175
ACCESSORIES	Dead Front Panels		pg. 180-181
	Mounting Feet		pg. 192
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194



Opaque Cover

CONFIGURATION
Hinged, 2 cover screws

HW

HW Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Recessed Screws	No protruding surfaces
Stainless Steel Hardware	300 Series stainless used on all external hardware
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	All bosses utilize threaded brass inserts accepting 10-32 screws. Cover screws 10-24.
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Color	Available standard glacier grey (PMS 428C)

HW Modifications

Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

HW Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3, 3R, 3S, 4X, 12
CSA Std C22.2	File LR069014 Type 1, 3, 3R, 3S, 4X, 12
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Flammability Rating	UL94-5V
Self Extinguishing	Non-halogenated, Non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

HW Accessories

PANELS	Aluminum	BP_AL	pg. 174-175
	Fiberglass	BP_FG	pg. 174-175
	Stainless Steel	BP_SS	pg. 174-175
	Carbon Steel	BP_CS	pg. 174-175
	Dead Front Panels		pg. 180-181
ACCESSORIES	Mounting Feet		pg. 192
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194



Opaque Cover

W

CONFIGURATION

4 cover screws, lift off cover



W Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Recessed Screws	No protruding surfaces
Stainless Steel Hardware	300 Series stainless used on all external hardware
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	All bosses utilize threaded brass inserts accepting 10-32 screws. Cover screws 10-24.
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Color	Available standard glacier grey (PMS 428C)

W Modifications

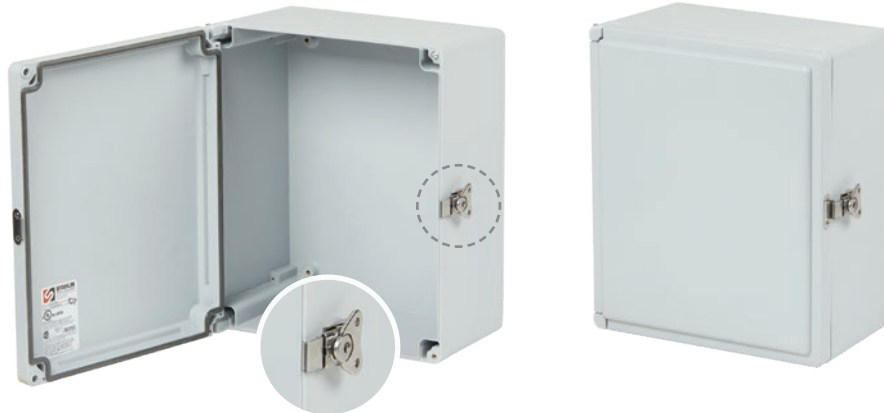
Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

W Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3, 3R, 3S, 4X, 12
CSA STD C22.2	File LR069014 Type 1, 3, 3R, 3S, 4X, 12
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Flammability Rating	UL94-5V
Self Extinguishing	Non-halogenated, Non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

W Accessories

PANELS	Aluminum	BP_AL	pg. 174-175
	Fiberglass	BP_FG	pg. 174-175
	Stainless Steel	BP_SS	pg. 174-175
	Carbon Steel	BP_CS	pg. 174-175
ACCESSORIES	Dead Front Panels		pg. 180-181
	Mounting Feet		pg. 192
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194



Opaque Cover

CONFIGURATION
Hinged, twist latch

HLL Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Stainless Steel Hardware	300 Series stainless used on all external hardware
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	All bosses utilize threaded brass inserts accepting 10-32 screws
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Color	Available standard glacier grey (PMS 428C)

HLL Modifications

Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

HLL Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3, 3R, 3S, 4X, 12
CSA Std C22.2	File LR069014 Type 1, 3, 3R, 3S, 4X, 12
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Flammability Rating	UL94-5V
Self Extinguishing	Non-halogenated, Non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

HLL Accessories

PANELS	Aluminum	BP_AL	pg. 174-175
	Fiberglass	BP_FG	pg. 174-175
	Stainless Steel	BP_SS	pg. 174-175
	Carbon Steel	BP_CS	pg. 174-175
	Dead Front Panels		pg. 180-181
ACCESSORIES	Mounting Feet		pg. 192
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194



Opaque Cover

HL

CONFIGURATION

Hinged, through-the-door 1/4 turn latch



HL Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Stainless Steel Hardware	300 Series stainless used on all external hardware
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	All bosses utilize threaded brass inserts accepting 10-32 screws
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Latch Material	Glass filled polyamide
Color	Available standard glacier grey (PMS 428C)

HL Modifications

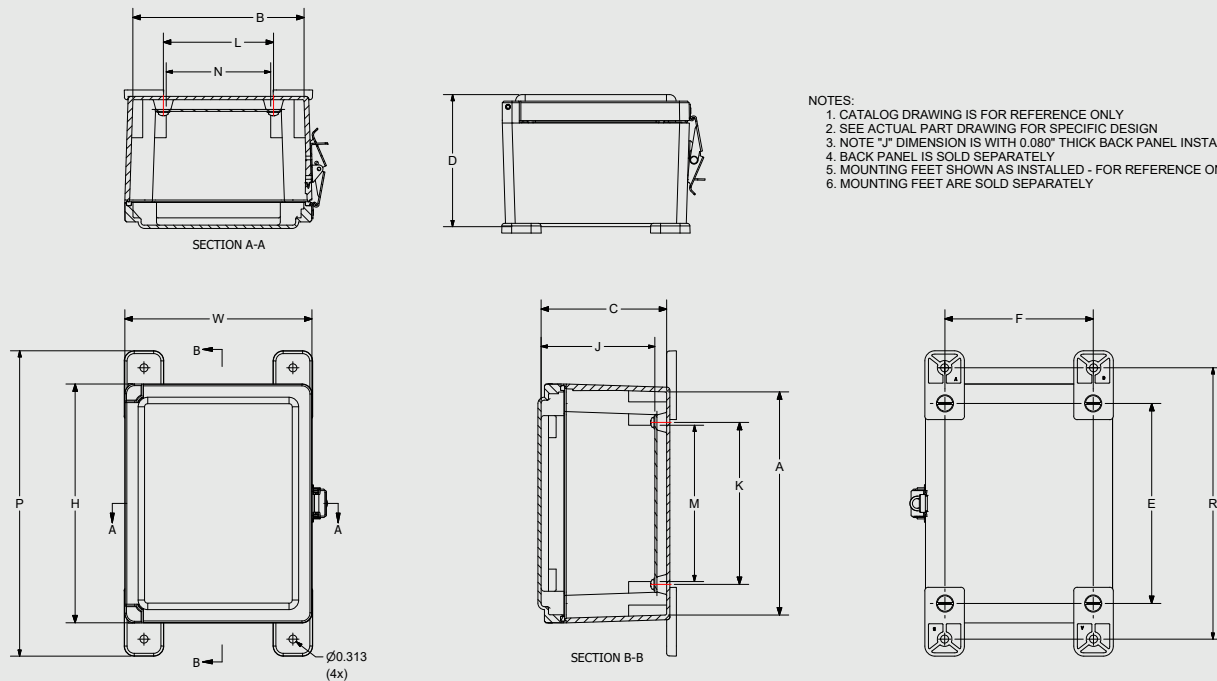
Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

HL Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3, 3R, 3S, 4X, 12
CSA Std C22.2	File LR069014 Type 1, 3, 3R, 3S, 4X, 12
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Flammability Rating	UL94-5V
Self Extinguishing	Non-halogenated, Non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

HL Accessories

PANELS	Aluminum	BP_AL	pg. 174-175
	Fiberglass	BP_FG	pg. 174-175
	Stainless Steel	BP_SS	pg. 174-175
	Carbon Steel	BP_CS	pg. 174-175
	Dead Front Panels		pg. 180-181
ACCESSORIES	Mounting Feet		pg. 192
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194



SCREW SIZES & TORQUE VALUES

PRODUCT SIZES	BACK PANEL SCREW SIZE	BACK PANEL RECOMMENDED TORQUE	COVER SCREW SIZE	COVER SCREW RECOMMENDED TORQUE	MOUNTING FOOT SCREW SIZE	MOUNTING FOOT SCREW RECOMMENDED TORQUE	RECOMMENDED MOUNTING FLANGE TORQUE
All Sizes	#10-32 x 3/8	16 - 20 in-lbs	#10-24 x 1 All W Sizes	20 - 24 in-lbs	5/16-18 x 1/2 All Sizes	10 - 14 in-lbs	45 in-lbs max

Classic Series – Opaque Cover

CATALOG NUMBER	OVERALL H X W X D	INSIDE A X B X C	MOUNTING E X F	J	K	L	M	N	P	OPT MTG FEET R X F	SHIP WEIGHT	PANEL NUMBER
CL707HPL CL707HW CL707W CL707HL	7.22 x 7.22 x 5.09 (183 x 183 x 129)	6.66 x 6.66 x 4.84 (169 x 169 x 123)	5.71 x 5.71 (145 x 145)	4.39 (111)	4.25 (108)	4.25 (108)	4.04 (103)	4.04 (103)	9.87 (251)	8.47 X 5.71 (215 x 145)	3.5 lbs.	BP66*
CL907HPL CL907HW CL907W CL907HL	9.22 x 7.22 x 5.09 (234 x 183 x 129)	8.59 x 6.59 x 4.84 (218 x 167 x 123)	7.71 x 5.71 (196 x 145)	4.39 (111)	6.25 (159)	4.25 (108)	6.04 (154)	4.04 (103)	11.78 (299)	10.47 X 5.71 (266 x 145)	4.2 lbs.	BP86*
CL1109HPL CL1109HW CL1109W CL1109HL	11.22 x 9.22 x 6.09 (285 x 235 x 155)	10.59 x 8.59 x 5.84 (269 x 218 x 148)	9.71 x 7.71 (247 x 196)	5.39 (137)	8.25 (210)	6.25 (159)	8.04 (204)	6.04 (154)	13.79 (350)	12.48 X 7.71 (317 x 196)	5.9 lbs.	BP108*
CL1311HPL CL1311HW CL1311W CL1311HLL CL1311HL	13.22 x 11.22 x 6.59 (336 x 285 x 167)	12.61 x 10.61 x 6.34 (320 x 269 x 161)	11.71 x 9.71 (298 x 247)	5.89 (150)	10.25 (260)	8.25 (210)	10.04 (255)	8.04 (204)	15.78 (401)	14.47 X 9.71 (368 x 247)	7.6 lbs.	BP1210*
CL1513HPL CL1513HW CL1513W CL1513HLL CL1513HL	15.22 x 13.22 x 7.09 (387 x 336 x 180)	14.60 x 12.60 x 6.84 (371 x 320 x 174)	13.71 x 11.71 (348 x 298)	6.39 (162)	12.25 (311)	10.25 (260)	12.04 (306)	10.04 (255)	17.78 (451)	16.47 X 11.71 (418 x 297)	11.4 lbs.	BP1412*

Note: Hinged Short Side available; consult factory for details. All measures are in inches, items in parentheses are in millimeters.



*Panel sold separately



HPL

Window Cover

HPL

CONFIGURATION

Hinged, padlock latch



HPL Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Stainless Steel Hardware	300 Series stainless used on all hardware
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	All bosses utilize threaded brass inserts accepting 10-32 screws
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Bonded Window	Precision routed flush bonded Super Abrasion Resistant acrylic material for maximum visibility
Color	Available standard glacier grey (PMS 428C)

HPL Modifications

Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

HPL Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3, 3R, 3S, 4X, 12
CSA Std C22.2	File LR069014 Type 1, 3, 3R, 3S, 4X, 12
Temperature Range	(-76° F to +274° F) (-60° C to +134° C)
Flammability Rating	UL94-5V
Window Temperature Range	(-26° F to +170° F) (-32° C to +76° C)
Self Extinguishing	Non-halogenated, Non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

HPL Accessories

PANELS	Aluminum	BP_AL	pg. 174-175
	Fiberglass	BP_FG	pg. 174-175
	Stainless Steel	BP_SS	pg. 174-175
	Carbon Steel	BP_CS	pg. 174-175
	Dead Front Panels		pg. 180-181
ACCESSORIES	Mounting Feet		pg. 192
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194



Window Cover

CONFIGURATION
Hinged, 2 cover screws

HW

HW Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Recessed Screws	No protruding surfaces
Stainless Steel Hardware	300 Series stainless used on all hardware
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	All bosses utilize threaded brass inserts accepting 10-32 screws. Cover screws 10-24.
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Bonded Window	Precision routed flush bonded Super Abrasion Resistant acrylic material for maximum visibility
Color	Available standard glacier grey (PMS 428C)

HW Modifications

Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

HW Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3, 3R, 3S, 4X, 12
CSA Std C22.2	File LR069014 Type 1, 3, 3R, 3S, 4X, 12
Temperature Range	(-76° F to +274° F) (-60° C to +134° C)
Flammability Rating	UL94-5V
Window Temperature Range	(-26° F to +170° F) (-32° C to +76° C)
Self Extinguishing	Non-halogenated, Non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

HW Accessories

PANELS	Aluminum	BP_AL	pg. 174-175
	Fiberglass	BP_FG	pg. 174-175
	Stainless Steel	BP_SS	pg. 174-175
	Carbon Steel	BP_CS	pg. 174-175
ACCESSORIES	Dead Front Panels		pg. 180-181
	Mounting Feet		pg. 192
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194



Window Cover

W

CONFIGURATION

4 cover screws, lift off cover



W Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Recessed Screws	No protruding surfaces
Stainless Steel Hardware	300 Series stainless used on all hardware
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	All bosses utilize threaded brass inserts accepting 10-32 screws; cover screws 10-24
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Bonded Window	Precision routed flush bonded Super Abrasion Resistant acrylic material for maximum visibility
Color	Available standard glacier grey (PMS 428C)

W Modifications

Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

W Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3, 3R, 3S, 4X, 12
CSA Std C22.2	File LR069014 Type 1, 3, 3R, 3S, 4X, 12
Temperature Range	(-76° F to +274° F) (-60° C to +134° C)
Flammability Rating	UL94-5V
Window Temperature Range	(-26° F to +170° F) (-32° C to +76° C)
Self Extinguishing	Non-halogenated, Non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

W Accessories

PANELS	Aluminum	BP_AL	pg. 174-175
	Fiberglass	BP_FG	pg. 174-175
	Stainless Steel	BP_SS	pg. 174-175
	Carbon Steel	BP_CS	pg. 174-175
	Dead Front Panels		pg. 180-181
ACCESSORIES	Mounting Feet		pg. 192
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194



Window Cover

CONFIGURATION
Hinged, twist latch



HLL Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester (thermoset)
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Stainless Steel Hardware	300 Series stainless used on all hardware
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	All bosses utilize threaded brass inserts accepting 10-32 screws
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Bonded Window	Precision routed flush bonded Super Abrasion Resistant acrylic material for maximum visibility
Color	Available standard glacier grey (PMS 428C)

HLL Modifications

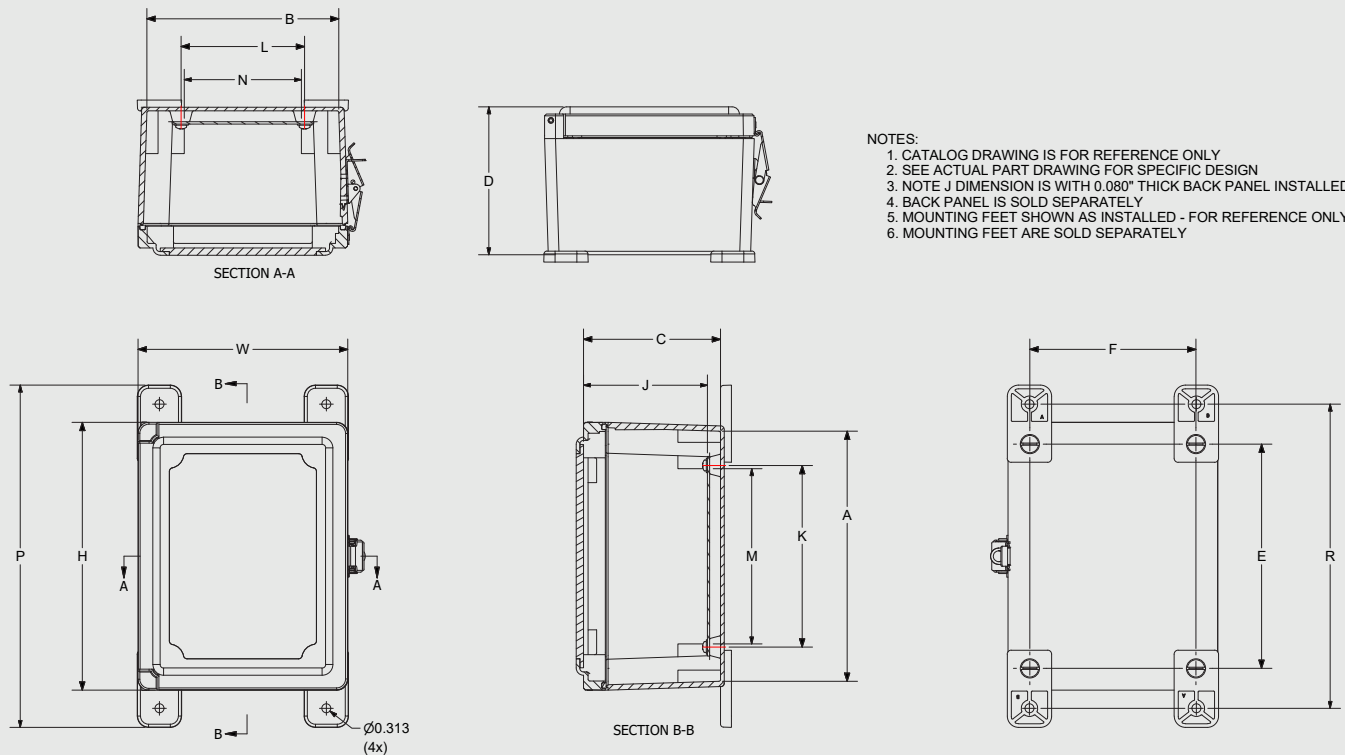
Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

HLL Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3, 3R, 3S, 4X, 12
CSA Std C22.2	File LR069014 Type 1, 3, 3R, 3S, 4X, 12
Temperature Range	(-76° F to +274° F) (-60° C to +134° C)
Flammability Rating	UL94-5V
Window Temperature Range	(-26° F to +170° F) (-32° C to +76° C)
Self Extinguishing	Non-halogenated, Non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

HLL Accessories

PANELS	Aluminum	BP_AL	pg. 174-175
	Fiberglass	BP_FG	pg. 174-175
	Stainless Steel	BP_SS	pg. 174-175
	Carbon Steel	BP_CS	pg. 174-175
	Dead Front Panels		pg. 180-181
ACCESSORIES	Mounting Feet		pg. 192
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194



SCREW SIZES & TORQUE VALUES

PRODUCT SIZES	BACK PANEL SCREW SIZE	BACK PANEL RECOMMENDED TORQUE	COVER SCREW SIZE	COVER SCREW RECOMMENDED TORQUE	MOUNTING FOOT SCREW SIZE	MOUNTING FOOT SCREW RECOMMENDED TORQUE	RECOMMENDED MOUNTING FLANGE TORQUE
All Sizes	#10-32 x 3/8	16 - 20 in-lbs	#10-24 x 1 All W Sizes	20 - 24 in-lbs	5/16-18 x 1/2 All Sizes	10 - 14 in-lbs	45 in-lbs max

Classic Series – Window Cover

CATALOG NUMBER	OVERALL H X W X D	INSIDE A X B X C	WINDOW AREA (MAXIMUM)	MOUNTING E X F	J	K	L	M	N	P	OPT MTG FEET F X R	SHIP WEIGHT	PANEL NUMBER
CLW707HPL CLW707HW	7.22 x 7.22 x 5.09 (183 x 183 x 129)	6.66 x 6.66 x 4.84 (169 x 169 x 123)	5.06 x 5.06 (129 x 129)	5.71 x 5.71 (145 x 145)	4.35 (110)	4.25 (108)	4.25 (108)	4.04 (103)	4.04 (103)	9.87 (251)	8.47 X 5.71 (215 x 145)	4 lbs.	BP66*
CLW907HPL CLW907HW	9.22 x 7.22 x 5.09 (234 x 182 x 129)	8.59 x 6.59 x 4.84 (218 x 167 x 123)	7.06 x 5.06 (179 x 129)	7.71 x 5.71 (196 x 145)	4.35 (110)	6.25 (159)	4.25 (108)	6.04 (154)	4.04 (103)	11.78 (299)	10.47 X 5.71 (266 x 145)	4.3 lbs.	BP86*
CLW1109HPL CLW1109HW	11.22 x 9.22 x 6.09 (285 x 234 x 155)	10.59 x 8.59 x 5.84 (269 x 218 x 148)	9.06 x 7.06 (230 x 179)	9.71 x 7.71 (247 x 196)	5.34 (136)	8.25 (210)	6.25 (159)	8.04 (204)	6.04 (154)	13.79 (350)	12.48 X 7.71 (317 x 196)	6 lbs.	BP108*
CLW1311HPL CLW1311HW CLW1311HLL	13.22 x 11.22 x 6.59 (336 x 285 x 167)	12.61 x 10.61 x 6.34 (320 x 269 x 161)	11.06 x 9.06 (281 x 230)	11.71 x 9.71 (298 x 247)	5.84 (148)	10.25 (260)	8.25 (210)	10.04 (255)	8.04 (204)	15.78 (401)	14.47 X 9.71 (368 x 247)	7.8 lbs.	BP1210*
CLW1513HPL CLW1513HW CLW1513HLL	15.22 x 13.22 x 7.09 (387 x 336 x 180)	14.60 x 12.60 x 6.84 (371 x 320 x 174)	13.06 x 11.06 (332 x 281)	13.71 x 11.71 (348 x 298)	6.47 (164)	12.25 (311)	10.25 (260)	12.04 (306)	10.04 (255)	17.78 (451)	16.47 X 11.71 (418 x 297)	11.6 lbs.	BP1412*

Note: Hinge Short Side available, consult factory for details. All measures are in inches, items in parentheses are in millimeters.



**Panel sold separately



Solar

“Stahlin non-metallic enclosures have a strong reputation in the solar industry, with excellent performance and time-tested designs. We feel the enclosure truly compliments our tracking line. The final choice of the enclosure for the actuator was made easy by the attention given to the project by Stahlin’s professionals. They were able to meet both our technical needs, as well as customize their product to our specifications.”

– **Dave**, Global Director of Lean Manufacturing
Global Leader in Actuating Systems

Read more at: stahlin.com/industries





N Series – Wall Mount



N Series,
Wall Mount



N Series – Wall Mount

Stahlin's **N Series** enclosures are designed to accommodate electrical, electronic, instrumentation and mechanical controls indoors and outdoors where corrosion resistant watertight enclosures are needed to provide protection against windblown dust and rain, splashing and hose directed water. The "N" designation reflects a NEMA range series of large capacity enclosures.

With the ample working space involved, this wall mount configuration, enclosure style will also accommodate combination hydraulic or pneumatic controls along with the supporting electrical control. Fiberglass reinforced polyester supports a very high temperature range and corrosion resistance when used in oil field, mining, oil platform, water/waste water and general processing controls. Yet, the pleasing cosmetic construction is ideally suited for ordinary indoor or outdoor industrial control mounting.

Product Configurations

OPAQUE COVER

HWT	FHLWT	WT
TYPE 4X SS HINGED, LATCHED DOWN COVER	TYPE 4X FIBERGLASS HINGED, THROUGH THE DOOR LATCHES	TYPE 4X LATCHED DOWN COVER, LIFT OFF COVER
RT	FHLRT	12
TYPE 3R SS HINGED, LATCHED DOWN COVER	TYPE 3R FIBERGLASS HINGED, THROUGH- THE-DOOR LATCHES	TYPE 12 STAINLESS STEEL HINGED, LATCH DOWN COVER

BONDED WINDOW

HWT
TYPE 4X STAINLESS STEEL HINGED, LATCHED DOWN COVER

Attributes

- Available in 2 cover options:
 1. Opaque cover
 2. Flush bonded window
- Fiberglass reinforced polyester material
- Memory retaining polyurethane gasket
- 300 series stainless steel hardware
- Integral mounting feet
- Molded in panel mounting inserts or studs
- High temperature, flame-retardant, non corrosive, environmental designs
- Padlockable

Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3, 3R, 4X, 12 as designated
CSA Std C22.2	File LR069014 Type 1, 3, 3R, 4X, 12 as designated
IEC 60529	File E362920 IP66
UL1741	File E333478 WT, HWT, FHLWT
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Temperature Range Window	(-26°F to +170°F) (-32°C to +76°C)
Flammability Rating	UL94-5V
Impact Rating	IK10
Self Extinguishing	Non-halogenated, non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor UV Exposure	(f1) Rated
Color	Available standard glacier grey (PMS 428C)



Opaque Cover

Type 4X



CONFIGURATION

Stainless steel hinged, latched down cover



HWT Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester, hand layup FRP
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Stainless Steel Hardware	300 Series stainless used on all hardware
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	All bosses utilize threaded brass inserts accepting 3/8"-16 screws
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Color	Available standard glacier grey (PMS 428C)

HWT Modifications

Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

HWT Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3, 3R, 4X, 12
CSA Std C22.2	File LR069014 Type 1, 3, 3R, 4X, 12
IEC 60529	File E362920 IP66
UL 1741	File E333478
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Flammability Rating	UL94-5V
Impact Rating	IK 10
Self Extinguishing	Non-halogenated, non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

HWT Accessories

PANELS	Aluminum	BP_AL	pg. 178
	Fiberglass	BP_FG	pg. 178
	Stainless Steel	BP_SS	pg. 178
	Carbon Steel	BP_CS	pg. 178
ACCESSORIES	Dead Front Panels		pg. 180-181
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194



Opaque Cover

CONFIGURATION
Fiberglass hinged,
latched down cover



FHLWT Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester, hand layup FRP
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Non-Metallic Hardware	Glass filled PBT hinge, nylon quarter turn latches
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	All bosses utilize threaded brass inserts accepting 3/8"-16 screws
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Hinge Material	Glass filled Polybutylene Terephthalate (PBT)
Color	Available standard glacier grey (PMS 428C)

FHLWT Modifications

Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

FHLWT Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3, 3R, 4X, 12
CSA Std C22.2	File LR069014 Type 1, 3, 3R, 4X, 12
IEC 60529	File E362920 IP66
UL 1741	File E333478
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Flammability Rating	UL94-5V
Impact Rating	IK 10
Self Extinguishing	Non-halogenated, non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

FHLWT Accessories

PANELS	Aluminum	BP_AL	pg. 178
	Fiberglass	BP_FG	pg. 178
	Stainless Steel	BP_SS	pg. 178
	Carbon Steel	BP_CS	pg. 178
ACCESSORIES	Dead Front Panels		pg. 180-181
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194



WT

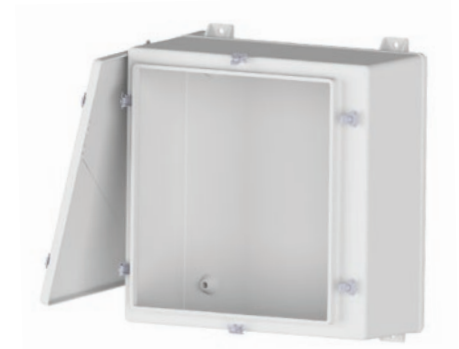
Opaque Cover

Type 4X

WT

CONFIGURATION

Latched down cover, lift off cover

**WT Construction**

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester, hand layup FRP
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Stainless Steel Hardware	300 Series stainless used on all hardware
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	All bosses utilize threaded brass inserts accepting 3/8"-16 screws
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Color	Available standard glacier grey (PMS 428C)

WT Modifications

Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

WT Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3, 3R, 4X, 12
CSA Std C22.2	File LR069014 Type 1, 3, 3R, 4X, 12
IEC 60529	File E362920 IP66
UL 1741	File E333478
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Flammability Rating	UL94-5V
Impact Rating	IK 10
Self Extinguishing	Non-halogenated, non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

WT Accessories

PANELS	Aluminum	BP_AL	pg. 178
	Fiberglass	BP_FG	pg. 178
	Stainless Steel	BP_SS	pg. 178
	Carbon Steel	BP_CS	pg. 178
ACCESSORIES	Dead Front Panels		pg. 180-181
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194



Opaque Cover

Type 3R

CONFIGURATION
Hinged, latch down cover

RT



RT Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester, hand layup FRP
Rain Shield	Protection against incidental water ingress
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Stainless Steel Hardware	300 Series stainless used on all hardware
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	All bosses utilize threaded brass inserts accepting 3/8"-16 screws
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Color	Available standard glacier grey (PMS 428C)

RT Modifications

Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

RT Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3R
CSA Std C22.2	File LR069014; Type 1, 3R
IEC 60529	File E362920 IP66
UL 1741	File E333478
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Temperature Range Window	(-26°F to +170°F) (-32°C to +76°C)
Flammability Rating	UL94-5V
Impact Rating	IK 10
Self Extinguishing	Non-halogenated, non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

RT Accessories

PANELS	Aluminum	BP_AL	pg. 178
	Fiberglass	BP_FG	pg. 178
	Stainless Steel	BP_SS	pg. 178
	Carbon Steel	BP_CS	pg. 178
ACCESSORIES	Dead Front Panels		pg. 180-181
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194

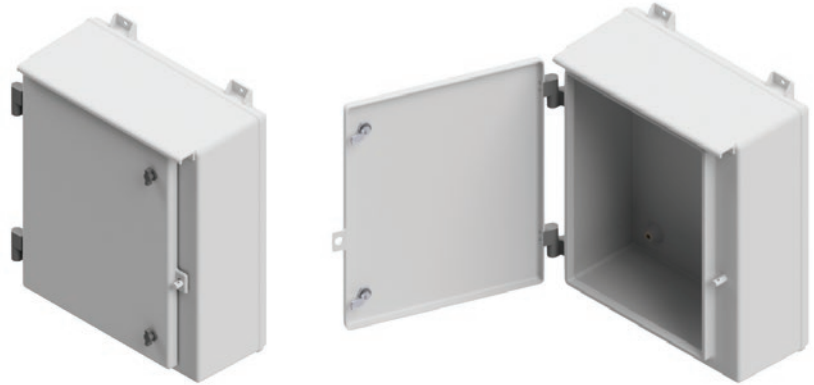


Opaque Cover

Type 3R



CONFIGURATION
Fiberglass hinged,
through-the-door latches



FHLRT Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester, hand layup FRP
Rain Shield	Protection against incidental water ingress
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Non-Metallic Hardware	Glass filled PBT hinge, nylon quarter turn latch
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	All bosses utilize threaded brass inserts accepting 3/8"-16 screws
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Hinge Material	Glass filled Polybutylene Terephthalate (PBT)
Color	Available standard glacier grey (PMS 428C)

FHLRT Modifications

Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

FHLRT Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3R
CSA Std C22.2	File LR069014; Type 1, 3R
IEC 60529	File E362920 IP66
UL 1741	File E333478
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Temperature Range Window	(-26°F to +170°F) (-32°C to +76°C)
Flammability Rating	UL94-5V
Impact Rating	IK 10
Self Extinguishing	Non-halogenated, non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

FHLRT Accessories

PANELS	Aluminum	BP_AL	pg. 178
	Fiberglass	BP_FG	pg. 178
	Stainless Steel	BP_SS	pg. 178
	Carbon Steel	BP_CS	pg. 178
ACCESSORIES	Dead Front Panels		pg. 180-181
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194



Opaque Cover

Type 12



CONFIGURATION
Stainless steel, hinged,
latch down cover

12

12 Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester, hand layup FRP
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Stainless Steel Hardware	300 Series stainless used on all hardware
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	All bosses utilize threaded brass inserts accepting 3/8"-16 screws
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Color	Available standard glacier grey (PMS 428C)

12 Modifications

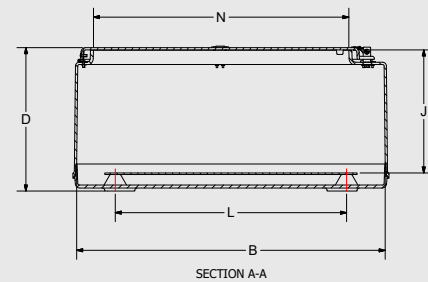
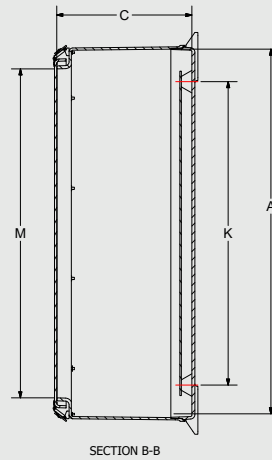
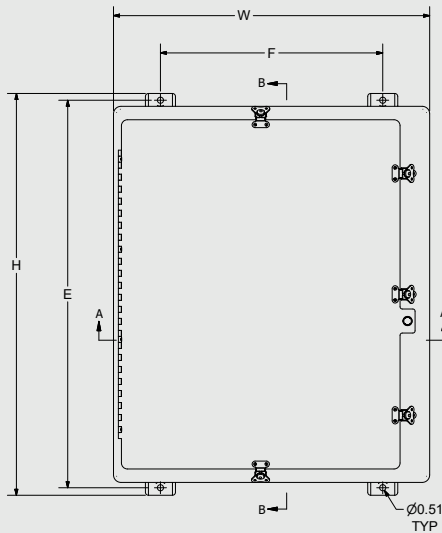
Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

12 Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 12
CSA Std C22.2	File LR069014 Type 1, 12
IEC 60529	File E362920 IP66
UL 1741	File E333478
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Flammability Rating	UL94-5V
Impact Rating	IK 10
Self Extinguishing	Non-halogenated, non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

12 Accessories

PANELS	Aluminum	BP_AL	pg. 178
	Fiberglass	BP_FG	pg. 178
	Stainless Steel	BP_SS	pg. 178
	Carbon Steel	BP_CS	pg. 178
ACCESSORIES	Dead Front Panels		pg. 180-181
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194



- NOTES:
1. CATALOG DRAWING IS FOR REFERENCE ONLY
 2. SEE ACTUAL PART DRAWING FOR SPECIFIC DESIGN
 3. DIMENSION "J" IS WITH 0.105" THICK BACK PANEL INSTALLED
 4. BACK PANEL SOLD SEPARATELY

SCREW SIZES & TORQUE VALUES

PRODUCT SIZES	BACK PANEL SCREW SIZE	BACK PANEL RECOMMENDED TORQUE	COVER SCREW SIZE	RECOMMENDED MOUNTING FLANGE TORQUE
N1610 up to N4836	#3/8-16 x 1/2 Hex Bolt	28 - 32 in-lbs	N/A	80 in-lbs max
All made to order	#3/8-16 Stud	28 - 32 in-lbs	N/A	80 in-lbs max

N Series – Opaque Cover

CATALOG NUMBER	OVERALL H X W X D	INSIDE A X B X C	MOUNTING E X F	J	K	L	ENCLOSURE OPENING M X N	NO. OF LATCHES	SHIP WEIGHT	PANEL NUMBER
N16107HWT N16107FHLWT	18.75 x 10.96 x 9.03 (476 x 278 x 229)	15.92 x 10.27 x 8.53 (404 x 261 x 217)	17.50 x 7.00 (444 x 178)	7.8 (198)	12 (305)	7.5 (191)	13.14 x 6.00 (334 x 152)	2	10.7 lbs.	BP1610**
N20166HWT N20166FHLWT	22.75 x 16.87 x 7.77 (578 x 429 x 197)	19.70 x 16.04 x 7.24 (500 x 407 x 184)	21.50 x 10.12 (546 x 257)	6.26 (159)	15.25 (387)	11.25 (286)	16.75 x 12.19 (425 x 310)	2	17.6 lbs.	BP2016**
N20168HWT N20168FHLWT N20168RT N20168FHLRT	22.75 x 16.87 x 10.27 (578 x 429 x 261)	19.70 x 16.04 x 9.24 (500 x 407 x 235)	21.50 x 10.12 (546 x 257)	8.26 (210)	15.25 (387)	11.25 (286)	16.75 x 12.19 (425 x 310)	2	19.7 lbs.	BP2016**
N201610HWT N201610RT	22.75 x 16.87 x 12.27 (578 x 429 x 312)	19.70 x 16.04 x 11.24 (500 x 407 x 286)	21.50 x 10.12 (546 x 257)	10.26 (261)	15.25 (387)	11.25 (286)	16.75 x 12.19 (425 x 310)	2	23 lbs.	BP2016**
N201612HWT N201612RT	22.75 x 16.87 x 14.27 (578 x 429 x 362)	19.70 x 16.04 x 13.24 (500 x 407 x 336)	21.50 x 10.12 (546 x 257)	12.26 (312)	15.25 (387)	11.25 (286)	16.75 x 12.19 (425 x 310)	2	23.5 lbs.	BP2016**
N201616HWT*	22.75 x 16.87 x 17.52 (578 x 429 x 445)	19.70 x 16.04 x 16.99 (500 x 407 x 432)	21.50 x 10.12 (546 x 257)	16.01 (407)	15.25 (387)	11.25 (286)	16.75 x 12.19 (425 x 310)	2	25 lbs.	BP2016**
N20208HWT* N20208*	23.50 x 20.50 x 9.69 (597 x 521 x 246)	20.25 x 20.25 x 8.88 (514 x 514 x 225)	22.25 x 14.50 (565 x 368)	7.88 (200)	15.25 (387)	15.25 (387)	17.00 x 16.00 (432 x 406)	2	26 lbs.	BP2020**
N24126HWT	26.95 x 13.72 x 7.98 (685 x 348 x 203)	24.00 x 12.87 x 7.33 (610 x 327 x 186)	25.75 x 6.25 (654 x 159)	6.33 (161)	19.25 (489)	7.25 (184)	21.00 x 8.37 (533 x 213)	2 4	26 lbs.	BP2412**

All measures are in inches, items in parentheses are in millimeters.



*Made to order.



**Panel sold separately



N Series – Opaque Cover

CATALOG NUMBER	OVERALL H X W X D	INSIDE A X B X C	MOUNTING E X F	J	K	L	ENCLOSURE OPENING M X N	NO. OF LATCHES	SHIP WEIGHT	PANEL NUMBER
N241210HWT N241210FHLWT N241210RT	26.95 x 13.72 x 12.49 (685 x 348 x 317)	24.00 x 12.87 x 11.33 (610 x 327 x 288)	25.75 x 6.25 (654 x 159)	10.33 (262)	19.25 (489)	7.25 (184)	21.00 x 8.37 (533 x 213)	2	25 lbs.	BP2412**
N24208HWT N24208FHLWT N24208WT N24208RT N24208FHLRT N24208	27.00 x 21.24 x 9.90 (686 x 539 x 252)	24.05 x 20.39 x 9.25 (611 x 518 x 235)	25.75 x 14.00 (654 x 356)	8.25 (209)	19.25 (489)	15.25 (387)	21.25 x 16.00 (540 x 406)	2 2 6 4 4 2	32 lbs.	BP2420**
N242010HWT* N242010RT* N242010*	27.00 x 21.24 x 11.90 (686 x 539 x 302)	24.05 x 20.39 x 11.25 (611 x 518 x 286)	25.75 x 14.00 (654 x 356)	10.25 (209)	19.25 (489)	15.25 (387)	21.25 x 16.00 (540 x 406)	2 4 2	37 lbs.	BP2420**
N242410HWT N242410FHLWT N242410WT N242410RT N242410FHLRT N242410	27.00 x 25.24 x 11.90 (686 x 641 x 302)	24.05 x 24.39 x 11.25 (611 x 619 x 286)	25.75 x 17.87 (654 x 454)	10.25 (260)	19.25 (489)	19.25 (489)	21.25 x 20.00 (540 x 508)	2 2 6 4 4 2	38.5 lbs.	BP2424**
N242412HWT* N242412WT* N242412RT* N242412*	27.00 x 25.24 x 13.90 (686 x 641 x 353)	24.05 x 24.39 x 13.25 (611 x 619 x 336)	25.75 x 17.87 (654 x 454)	12.25 (311)	19.25 (489)	19.25 (489)	21.25 x 20.00 (540 x 508)	2 2 6 4 2	42.1 lbs.	BP2424**
N30206HWT	32.86 x 20.99 x 7.89 (835 x 533 x 200)	29.90 x 20.14 x 7.23 (760 x 511 x 184)	30.75 x 14.25 (806 x 362)	6.23 (158)	25.25 (641)	15.25 (387)	27.00 x 16.50 (686 x 419)	2	34 lbs.	BP3020**
N30208HWT N30208FHLWT N30208WT N30208RT N30208FHLRT N30208	32.86 x 20.99 x 9.89 (835 x 533 x 251)	29.90 x 20.14 x 9.23 (760 x 511 x 234)	31.75 x 14.25 (806 x 362)	8.23 (209)	25.25 (641)	15.25 (387)	27.00 x 16.50 (686 x 419)	2 2 8 5 5 2	37 lbs.	BP3020**
N302010HWT N302010RT N302010FHLRT N302010	32.86 x 20.99 x 11.89 (835 x 533 x 302)	29.90 x 20.14 x 11.23 (760 x 511 x 285)	31.75 x 14.25 (806 x 362)	10.23 (260)	25.25 (641)	15.25 (387)	27.00 x 16.50 (686 x 419)	2 2 5 2	39 lbs.	BP3020**
N302012HWT* N302012WT* N302012*	32.86 x 20.99 x 13.89 (835 x 533 x 353)	29.90 x 20.14 x 13.23 (760 x 511 x 336)	31.75 x 14.25 (806 x 362)	12.23 (311)	25.25 (641)	15.25 (387)	27.00 x 16.50 (686 x 419)	8 5 2	42.2 lbs.	BP3020**
N302014HWT* N302014FHLWT* N302014*	32.86 x 20.99 x 15.89 (835 x 533 x 404)	29.90 x 20.14 x 15.23 (760 x 511 x 387)	31.75 x 14.25 (806 x 362)	14.23 (361)	25.25 (641)	15.25 (387)	27.00 x 16.50 (686 x 419)	5 5 2	44 lbs.	BP3020**

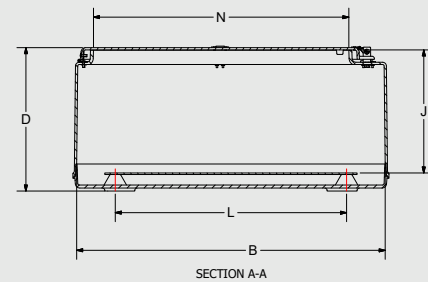
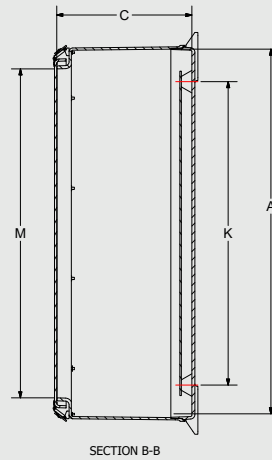
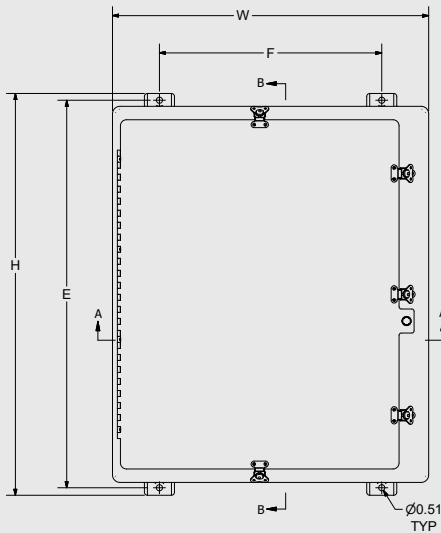
All measures are in inches, items in parentheses are in millimeters.



*Made to order.



**Panel sold separately



- NOTES:
1. CATALOG DRAWING IS FOR REFERENCE ONLY
 2. SEE ACTUAL PART DRAWING FOR SPECIFIC DESIGN
 3. DIMENSION "J" IS WITH 0.105" THICK BACK PANEL INSTALLED
 4. BACK PANEL SOLD SEPARATELY

SCREW SIZES & TORQUE VALUES

PRODUCT SIZES	BACK PANEL SCREW SIZE	BACK PANEL RECOMMENDED TORQUE	COVER SCREW SIZE	RECOMMENDED MOUNTING FLANGE TORQUE
N1610 up to N4836	#3/8-16 x 1/2 Hex Bolt	28 - 32 in-lbs	N/A	80 in-lbs max
All made to order	#3/8-16 Stud	28 - 32 in-lbs	N/A	80 in-lbs max

N Series – Opaque Cover

CATALOG NUMBER	OVERALL H X W X D	INSIDE A X B X C	MOUNTING E X F	J	K	L	ENCLOSURE OPENING M X N	NO. OF LATCHES	SHIP WEIGHT	PANEL NUMBER
N30247HWT	33.41 x 26.32 x 8.81	30.46 x 25.47 x 8.12	32.25 x 18.50	7.12	25.25	19.25	27.38 x 21.25	2	46.3 lbs.	BP3024**
N30247FHLWT	(849 x 668 x 224)	(774 x 647 x 206)	(819 x 470)	(181)	(641)	(489)	(695 x 540)	8		
N30247WT								5		
N30247RT								5		
N30247								2		
N302410HWT	33.41 x 26.32 x 11.95	30.46 x 25.47 x 11.27	32.25 x 18.50	10.27	25.25	19.25	27.38 x 21.25	2	52.2 lbs.	BP3024**
N302410FHLWT	(849 x 668 x 304)	(774 x 647 x 286)	(819 x 470)	(261)	(641)	(489)	(695 x 540)	2		
N302410RT								5		
N302410FHLRT								5		
N302410								2		
N302412HWT	33.41 x 26.32 x 13.79	30.46 x 25.47 x 13.10	32.25 x 18.50	12.1	25.25	19.25	27.38 x 21.25	2	52 lbs.	BP3024**
N302412FHLWT	(849 x 668 x 350)	(774 x 647 x 333)	(819 x 470)	(307)	(641)	(489)	(695 x 540)	2		
N302412RT								5		
N302412FHLRT								5		
N302412								2		
N302414HWT*	33.41 x 26.32 x 15.79	30.46 x 25.47 x 15.10	32.25 x 18.50	14.1	25.25	19.25	27.38 x 21.25	2	56 lbs.	BP3024**
N302414FHLWT*	(849 x 668 x 401)	(774 x 647 x 384)	(819 x 470)	(358)	(641)	(489)	(695 x 540)	8		
N302414WT*								5		
N302414RT*								5		
N302414*								2		
N302416HWT*	33.41 x 26.32 x 17.79	30.46 x 25.47 x 17.10	32.25 x 18.50	16.1	25.25	19.25	27.38 x 21.25	2	56 lbs.	BP3024**
N302416FHLWT*	(849 x 668 x 452)	(774 x 647 x 434)	(819 x 470)	(409)	(641)	(489)	(695 x 540)	5		
N302416RT*								5		
N302416*								2		

All measures are in inches, items in parentheses are in millimeters.
Note: Mounting hole dimension is .50 inches.



*Made to order.



**Panel sold separately



N Series – Opaque Cover

CATALOG NUMBER	OVERALL H X W X D	INSIDE A X B X C	MOUNTING E X F	J	K	L	ENCLOSURE OPENING M X N	NO. OF LATCHES	SHIP WEIGHT	PANEL NUMBER
N302422HWT*	33.41 x 26.32 x 22.79 (849 x 668 x 579)	30.46 x 25.47 x 21.10 (774 x 647 x 536)	32.25 x 18.50 (819 x 470)	21.1 (536)	25.25 (641)	19.25 (489)	27.38 x 21.25 (695 x 540)	5	67 lbs.	BP3024**
N36308HWT N36308FHLWT N36308RT N36308	39.31 x 32.50 x 10.05 (999 x 826 x 255)	36.31 x 31.69 x 9.36 (922 x 805 x 238)	38.13 x 23.88 (968 x 606)	8.36 (212)	31.25 (794)	25.25 (641)	33.25 x 27.25 (845 x 692)	3 5 5 3	64.9 lbs.	BP3630**
N363010HWT N363010FHLWT N363010RT N363010	39.31 x 32.50 x 12.05 (999 x 826 x 306)	36.31 x 31.69 x 11.36 (922 x 805 x 289)	38.13 x 23.88 (968 x 606)	10.36 (263)	31.25 (794)	25.25 (641)	33.25 x 27.25 (845 x 692)	3 5 5	69 lbs.	BP3630**
N363012HWT N363012FHLWT N363012WT N363012RT N363012	39.31 x 32.50 x 14.05 (999 x 826 x 357)	36.31 x 31.69 x 13.36 (922 x 805 x 339)	38.13 x 23.88 (968 x 606)	12.36 (314)	31.25 (794)	25.25 (641)	33.25 x 27.25 (845 x 692)	3 8 5 5 3	71.6 lbs.	BP3630**
N363016HWT* N363016FHLWT* N363016RT* N363016*	39.31 x 32.50 x 18.58 (999 x 826 x 472)	36.31 x 31.69 x 17.39 (922 x 805 x 442)	38.13 x 23.88 (968 x 606)	16.39 (416)	31.25 (794)	25.25 (641)	33.25 x 27.25 (845 x 692)	3 5 5 3	75.4 lbs.	BP3630**
N363023HWT*	39.31 x 32.25 x 25.08 (999 x 819 x 637)	36.31 x 31.69 x 24.40 (922 x 805 x 620)	38.13 x 23.88 (968 x 606)	23.4 (594)	31.25 (794)	25.25 (641)	33.25 x 27.25 (845 x 692)	5	82 lbs.	BP3630**
N363613HWT* N363613FHLWT* N363613RT* N363613*	39.50 x 36.50 x 15.06 (1003 x 927 x 383)	36.25 x 36.25 x 14.50 (921 x 921 x 368)	38.25 x 28.50 (972 x 724)	13.50 (343)	29 (737)	31 (787)	32.00 x 32.00 (813 x 813)	3 3 9 9	81 lbs.	BP3636**
N483612RT N483612FHLWT N483612HWT N483612	51.29 x 36.62 x 13.93 (1303 x 930 x 354)	48.33 x 36.22 x 13.25 (1228 x 920 x 336)	50.12 x 28.50 (1273 x 724)	12.25 (311)	21.63 (549)	31.25 (794)	45.25 x 32.00 (1149 x 813)	3 10 10 3	96 lbs.	BP4836**
N483616RT N483616FHLWT N483616HWT N483616	51.29 x 36.62 x 17.93 (1303 x 930 x 456)	48.33 x 32.22 x 17.25 (1228 x 920 x 438)	50.12 x 28.50 (1273 x 724)	16.25 (413)	21.63 (549)	31.25 (794)	45.25 x 32.00 (1149 x 813)	3 10 10 3	109 lbs.	BP4836**
N602418RT* N602418HWT*	63.75 x 24.50 x 20.12 (1619 x 622 x 511)	60.38 x 36.13 x 19.44 (1533 x 918 x 493)	62.50 x 16.75 (1587 x 425)	18.44 (468)	27.63 (702)	19.25 (489)	57.25 x 20.00 (1454 x 508)	9	175 lbs.	BP6024**
N603612RT* N603612FHLWT* N603612HWT* N603612*	64.00 x 36.50 x 14.12 (1627 x 927 x 359)	60.62 x 36.13 x 13.44 (1540 x 918 x 441)	62.75 x 28.75 (1594 x 730)	12.44 (316)	27.63 (702)	31.25 (794)	57.25 x 32.00 (1454 x 813)	3 11 11 3	125 lbs.	BP6036**
N603616RT* N603616FHLWT* N603616HWT* N603616*	64.00 x 36.50 x 18.12 (1627 x 927 x 460)	60.62 x 36.13 x 17.44 (1540 x 918 x 443)	62.75 x 28.75 (1594 x 730)	16.44 (418)	27.63 (702)	31.25 (794)	57.25 x 32.00 (1454 x 813)	3 11 11 3	130 lbs.	BP6036**
N603624HWT*	63.75 x 36.50 x 26.12 (1619 x 927 x 663)	60.38 x 36.13 x 25.44 (1533 x 918 x 646)	62.50 x 28.75 (1587 x 730)	24.44 (621)	27.63 (702)	31.25 (794)	57.25 x 32.00 (1454 x 813)	11	140 lbs.	BP6036**

All measures are in inches, items in parentheses are in millimeters.
Note: Mounting hole dimension is .50 inches.



*Made to order.



**Panel sold separately



Bonded Window

Type 4X



CONFIGURATION

Stainless steel hinged,
latched down cover



HWT Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester, hand layup FRP
Gasket	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
Stainless Steel Hardware	300 Series stainless used on all hardware
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	All bosses utilize threaded brass inserts accepting 3/8"-16 screws
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Bonded Window	Precision routed flush bonded Super Abrasion Resistant acrylic material for maximum visibility
Color	Available standard glacier grey (PMS 428C)

HWT Modifications

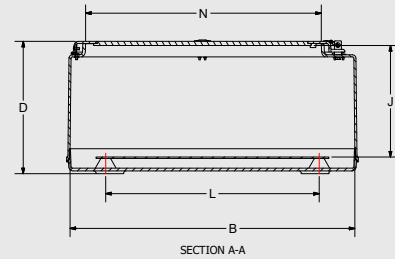
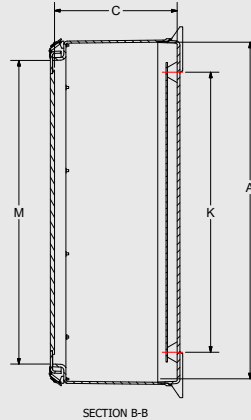
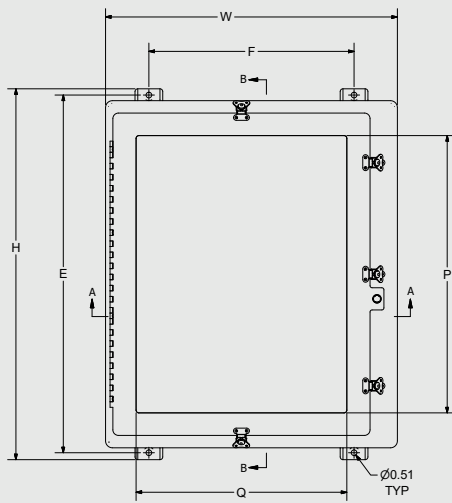
Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

HWT Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3, 3R, 4X, 12
CSA Std C22.2	File LR069014 Type 1, 3, 3R, 4X, 12
IEC 60529	File E362920 IP66
UL 1741	File E333478
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Temperature Range Window	(-26°F to +170°F) (-32°C to +76°C)
Flammability Rating	UL94-5V
Impact Rating	IK 10
Window Flammability	UL94V-HB
Self Extinguishing	Non-halogenated, non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
Outdoor Exposure UL746C	(f1) Rated

HWT Accessories

PANELS	Aluminum	BP_AL	pg. 178
	Fiberglass	BP_FG	pg. 178
	Stainless Steel	BP_SS	pg. 178
	Carbon Steel	BP_CS	pg. 178
ACCESSORIES	Dead Front Panels		pg. 180-181
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194



- NOTES:
 1. CATALOG DRAWING IS FOR REFERENCE ONLY
 2. SEE ACTUAL PART DRAWING FOR SPECIFIC DESIGN
 3. DIMENSION "J" IS WITH 0.105" THICK BACK PANEL INSTALLED
 4. BACK PANEL SOLD SEPARATELY

SCREW SIZES & TORQUE VALUES

PRODUCT SIZES	BACK PANEL SCREW SIZE	BACK PANEL RECOMMENDED TORQUE	COVER SCREW SIZE	RECOMMENDED MOUNTING FLANGE TORQUE
N1610 up to N4836	#3/8-16 x 1/2 Hex Bolt	28 - 32 in-lbs	N/A	80 in-lbs max
All made to order	#3/8-16 Stud	28 - 32 in-lbs	N/A	80 in-lbs max

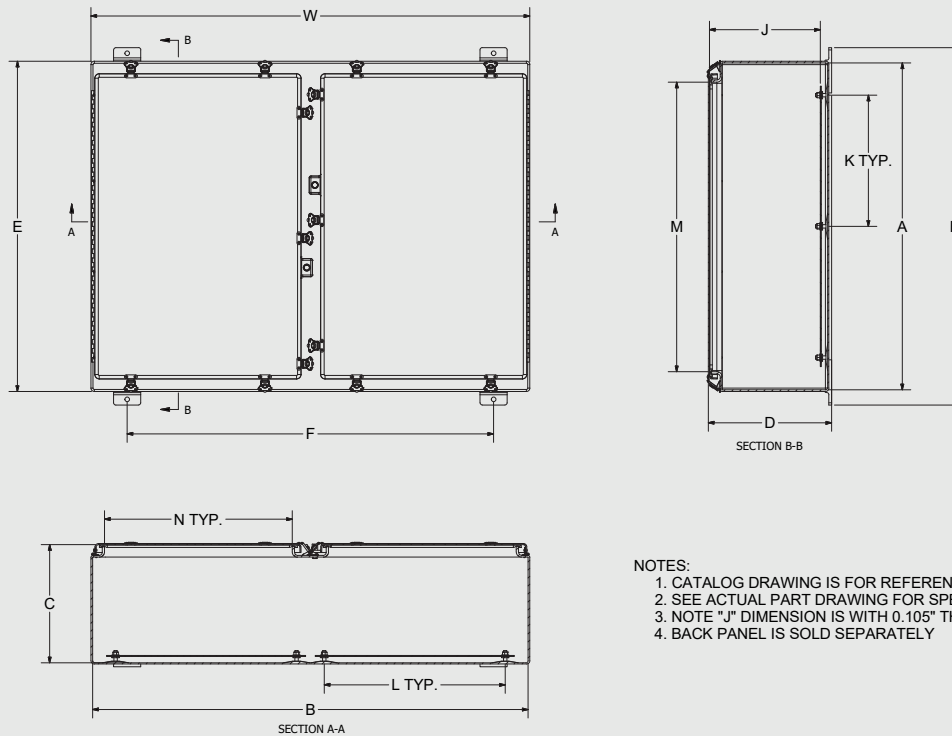
N Series – Bonded Window

CATALOG NUMBER	OVERALL H X W X D	INSIDE A X B X C	WINDOW AREA (MAXIMUM) P X Q	MOUNTING E X F	J	K	L	ENCLOSURE OPENING M X N	NO. OF LATCHES	SHIP WEIGHT	PANEL NUMBER
NW201610HWT	22.75 x 16.87 x 11.77 (578 x 429 x 299)	19.70 x 16.04 x 11.24 (500 x 407 x 286)	14 x 10 (356 x 254)	21.50 x 10.12 (546 x 257)	10.26 (261)	15.25 (387)	11.25 (286)	16.75 x 12.19 (425 x 310)	2	24 lbs.	BP2016*
NW241210HWT	26.95 x 13.72 x 11.99 (685 x 348 x 304)	24.00 x 12.87 x 11.33 (610 x 327 x 288)	18 x 6 (457 x 152)	25.75 x 6.25 (654 x 159)	10.33 (262)	19.25 (489)	7.25 (184)	21.00 x 8.37 (533 x 213)	2	26 lbs.	BP2412*
NW24208HWT	27.00 x 21.24 x 9.90 (686 x 539 x 252)	24.05 x 20.39 x 9.25 (611 x 518 x 235)	19 x 14 (483 x 356)	25.75 x 14.00 (654 x 356)	8.25 (209)	19.25 (489)	15.25 (387)	21.25 x 16.00 (540 x 406)	4	34 lbs.	BP2420*
NW242410HWT	27.00 x 25.24 x 11.90 (686 x 641 x 302)	24.05 x 24.39 x 11.25 (611 x 619 x 286)	19 x 18 (483 x 457)	25.75 x 17.87 (654 x 454)	10.25 (260)	19.25 (489)	19.25 (489)	21.25 x 20.00 (540 x 508)	4	45 lbs.	BP2424*
NW30208HWT	32.86 x 20.99 x 9.89 (835 x 533 x 251)	29.90 x 20.14 x 9.23 (760 x 511 x 234)	24 x 14 (610 x 356)	31.75 x 14.25 (806 x 362)	8.23 (209)	25.25 (641)	15.25 (387)	27.00 x 16.50 (686 x 419)	5	39 lbs.	BP3020*
NW302410HWT	33.41 x 26.32 x 11.95 (849 x 668 x 304)	30.46 x 25.47 x 11.27 (774 x 647 x 286)	25 x 19 (635 x 483)	32.25 x 18.50 (819 x 470)	10.27 (261)	25.25 (641)	19.25 (489)	27.38 x 21.25 (695 x 540)	5	54 lbs.	BP3024*
NW363012HWT	39.31 x 32.50 x 14.05 (999 x 826 x 357)	36.31 x 31.69 x 13.36 (922 x 805 x 339)	31 x 25 (787 x 635)	38.13 x 23.88 (968 x 606)	12.36 (314)	31.25 (794)	25.25 (641)	33.25 x 27.25 (845 x 692)	5	86 lbs.	BP3630*
NW483612HWT	51.29 x 36.62 x 13.93 (1303 x 930 x 354)	48.33 x 36.22 x 13.25 (1228 x 920 x 336)	43 x 30 (1092 x 762)	50.12 x 28.5 (1273 x 724)	12.25 (311)	21.63 (549)	31.25 (794)	45.25 x 32.00 (1149 x 813)	10	99.8 lbs.	BP4836*

All measures are in inches, items in parentheses are in millimeters.



*Panel sold separately



- NOTES:
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 2. SEE ACTUAL PART DRAWING FOR SPECIFIC DESIGN
 3. NOTE "J" DIMENSION IS WITH 0.105" THICK BACK PANEL INSTALLED
 4. BACK PANEL IS SOLD SEPARATELY

SCREW SIZES & TORQUE VALUES

PRODUCT SIZES	BACK PANEL SCREW SIZE	BACK PANEL RECOMMENDED TORQUE	COVER SCREW SIZE	RECOMMENDED MOUNTING FLANGE TORQUE
N1610 up to N4836	#3/8-16 x 1/2 Hex Bolt	28 - 32 in-lbs	N/A	80 in-lbs max
All made to order	#3/8-16 Stud	28 - 32 in-lbs	N/A	80 in-lbs max

N Series – Double Door

CATALOG NUMBER	OVERALL H X W X D	INSIDE A X B X C	MOUNTING E X F	J	K	L	ENCLOSURE OPENING M X N	NO. OF LATCHES	SHIP WEIGHT	PANEL NUMBER
N364812DDRT*	39.50 x 48.50 x 13.62	36.12 x 48.12 x 13.00	38.25 x 40.5	11.94	14.50	20.00	32.00 x 20.75	6	140 lbs.	BP3648 (2)**
N364812DDHWT*	(1003 x 1232 x 346)	(917 x 1222 x 330)	(972 x 1029)	(303)	(368)	(508)	(813 x 527)	14		
N54428DDRT*	57.50 x 42.50 x 9.62	54.12 x 42.12 x 9.00	56.25 x 34.50	7.94	23.50	17.00	50.00 x 17.50	8	162 lbs.	BP5442 (2)**
N54428DDHWT*	(1460 x 1080 x 244)	(1374 x 1069 x 228)	(1429 x 876)	(201)	(596)	(431)	(1270 x 444)			

All measures are in inches, items in parentheses are in millimeters.
Note: Mounting hole dimension is .50 inches.



*Made to order.



**Panel sold separately



Communications & Telecom

"We have been successfully using several models of Stahlin non-metallic enclosures for more than six years. These products have provided reliable durability in remote locations, corrosion resistance, configuration options, and of most importance, compatibility for enabling our systems to achieve effective satellite linkage. We now package our satellite terminals inside Stahlin enclosures. These terminals transmit and receive with ease through non-metallic enclosures. Additionally, by using Stahlin enclosures we have simplified our packaging problems by mounting satellite communications solutions directly inside the enclosure, thereby reducing our total parts count."

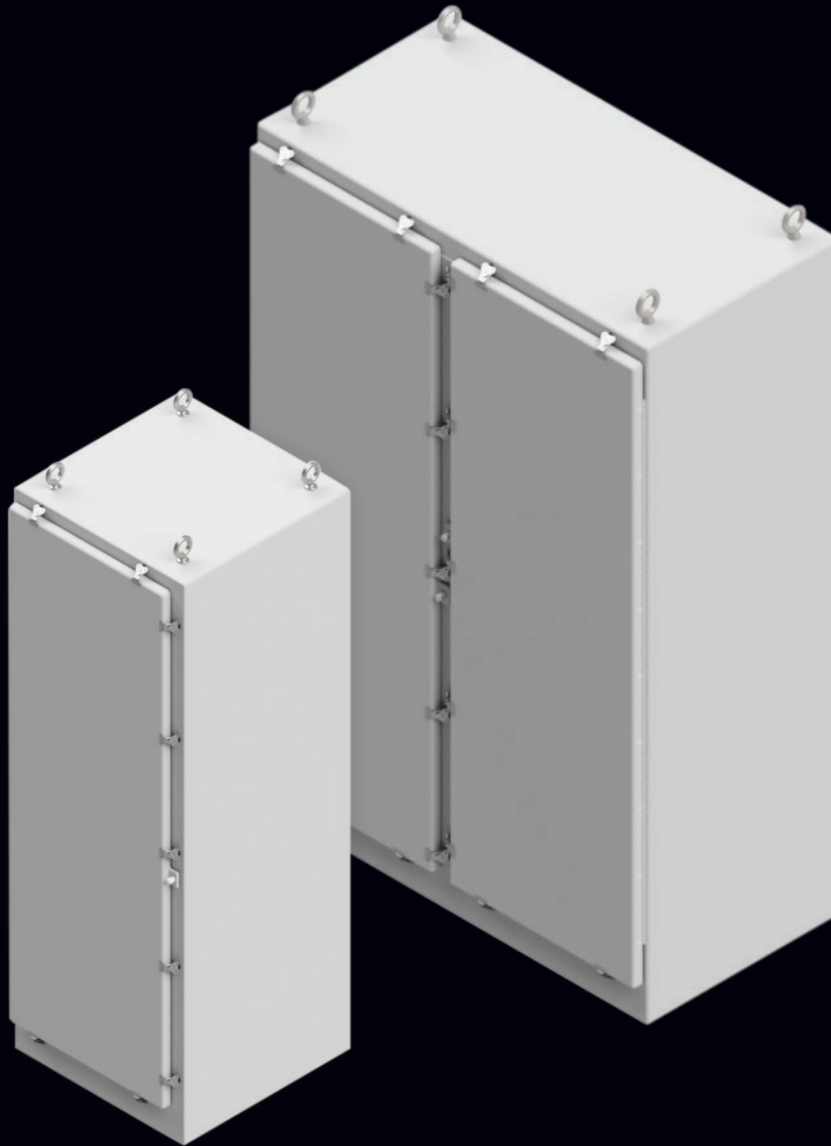
– **Fred**, VP Sales & Marketing
Leader in Wireless Telecommunications

Read more at: stahlin.com/industries





N Series – Freestanding





N Series – Freestanding

Stahlin's **Control Series** is designed to accommodate electrical, electronic, instrumentation and mechanical controls indoors and outdoors where corrosion resistant watertight enclosures are needed to provide protection against windblown dust and rain, splashing and hose directed water. The "N" designation reflects a NEMA range series of large capacity enclosures.

With the ample working space involved, the free standing control tower enclosure style will also accommodate combination hydraulic or pneumatic controls along with the supporting electrical control. Fiberglass reinforced polyester supports a very high temperature range and corrosion resistance when used in oil field, mining, oil platform, water/wastewater and general processing controls. Yet, the pleasing cosmetic construction is ideally suited for ordinary indoor or outdoor industrial control mounting.

Product Configurations

SINGLE DOOR



TYPE 12,
SS HINGED,
LATCHED
DOWN COVER



TYPE 4X,
SS HINGED,
LATCHED
DOWN COVER



TYPE 4X,
FIBERGLASS
HINGED,
THROUGH-THE-
DOOR LATCHES



TYPE 3R,
SS HINGED,
LATCHED
DOWN COVER

DOUBLE DOOR



TYPE 12,
SS HINGED,
LATCHED
DOWN COVER



TYPE 4X,
SS HINGED,
LATCHED
DOWN COVER



TYPE 4X,
FIBERGLASS
HINGED,
THROUGH-THE-
DOOR LATCHES



TYPE 3R,
SS HINGED,
LATCHED
DOWN COVER

Attributes

- Fiberglass reinforced polyester material
- 300 series stainless steel hardware
- Glassed in panel mounting studs
- High temperature, flame-retardant, non-corrosion environmental designs
- Padlockable HASP
- Glassed in enclosure lifting rings

Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3, 3R, 4X, 12 as designated
CSA Std C22.2	File LR069014 Type 1, 3, 3R, 4X, 12 as designated
IEC 60529	File E362920 IP66
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Flammability Rating	UL94-5V
Impact Rating	IK10
Self Extinguishing	Non-halogenated, non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor UV Exposure UL746C	(f1) Rated
Color	Available standard in glacier grey (Pantone 428C)



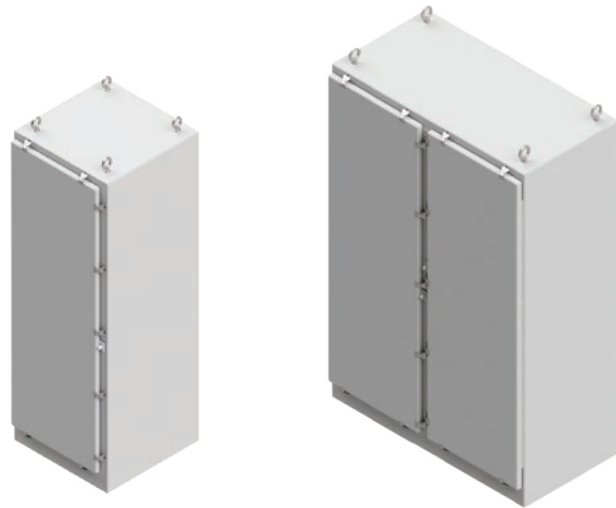
FS

Opaque Cover



CONFIGURATION

Single & double door



FS Construction

Material	SolarGuard® – Hot compression molded fiberglass reinforced polyester, hand layup FRP
Gasket	PORON Polyurethane strip gasket provides watertight, dust-tight environmental seal
Stainless Steel Hardware	300 Series stainless used on all hardware
Mounting Bosses	Panel mounting capability for fixed rear panel
Metal Inserts	Metal studs 3/8"-16 panel stud
Soft Edge Design	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
Color	Available standard glacier grey (PMS 428C)

FS Modifications

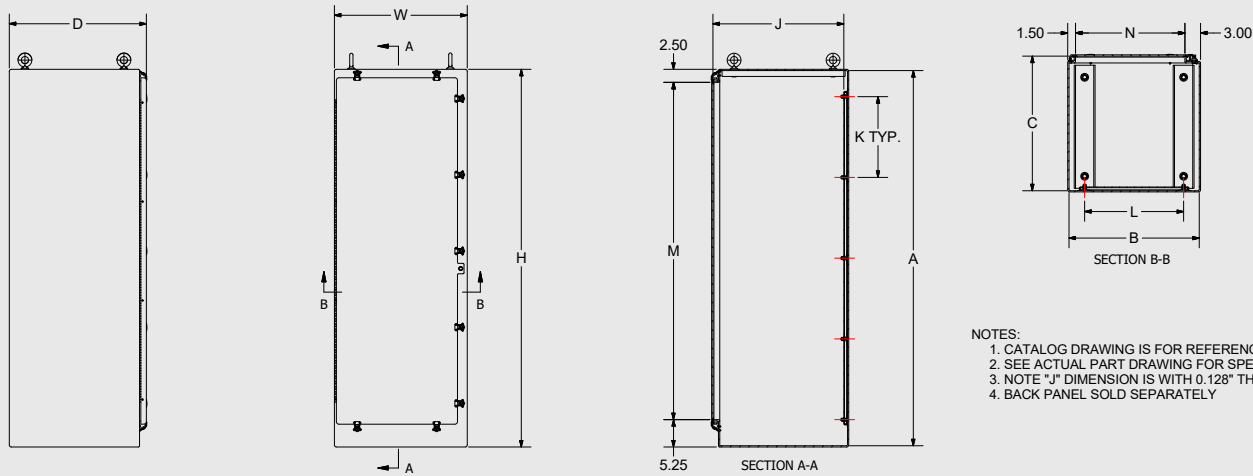
Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

FS Industry Standards

NEMA 250, UL Listed UL50, UL50e, UL508A	File E64358 Type 1, 3, 3R, 4X, 12
CSA Std C22.2	File LR069014 Type 1, 3, 3R, 4X, 12
IEC 60529	File E362920 IP66
UL 1741	File E333478
Temperature Range	(-76°F to +274°F) (-60°C to +134°C)
Flammability Rating	UL94-5V
Impact Rating	IK 10
Self Extinguishing	Non-halogenated, non-flame propagating
Chemical Resistance	Full chemical resistance charts listed in appendix
NFPA No. 101 Flame Spread	Class A (1)
Outdoor Exposure UL746C	(f1) Rated

FS Accessories

PANELS	Aluminum	BP_AL	pg. 179
	Fiberglass	BP_FG	pg. 179
	Stainless Steel	BP_SS	pg. 179
	Carbon Steel	BP_CS	pg. 179
ACCESSORIES	Dead Front Panels		pg. 180-181
	Drain & Breather Vents		pg. 185
	Hole Plugs		pg. 187
	Assorted Hubs and Cord Grips		pg. 188-189
	All Other Accessories		pg. 184-194



N Series – Control Tower Single Door

CATALOG NUMBER	OVERALL H X W X D	INSIDE A X B X C	J	K	L	ENCLOSURE OPENING M X N	NO. OF LATCHES	SHIP WEIGHT	PANEL NUMBER
N722418FSRT*	72.50 x 24.50 x 19.38	72.00 x 24.00 x 18.88	17.88	15.50	18.00	64.75 x 20.00	5	158 lbs.	BP7224**
N722418FSHWT*	(1841 x 610 x 492)	(1829 x 610 x 479)	(454)	(388)	(457)	(1645 x 508)	9		
N722525FSRT*	72.50 x 25.50 x 26.38	72.00 x 25.00 x 25.88	24.88	15.50	19.00	64.75 x 21.00	5	230 lbs.	BP7225**
N722525FSHLWT*	(1841 x 648 x 670)	(1829 x 635 x 657)	(632)	(388)	(483)	(1645 x 533)	9		
N722525FSHWT*							9		
N722525FS*							5		
N723618FSHLWT*	72.50 x 36.50 x 19.38	72.00 x 36.00 x 18.88	17.88	15.50	30.00	64.75 x 32.00	11	290 lbs.	BP7236**
N723618FSHWT*	(1841 x 927 x 492)	(1829 x 914 x 479)	(454)	(388)	(762)	(1645 x 813)			
N903620FSRT*	90.50 x 36.50 x 21.38	90.00 x 36.00 x 20.88	19.88	20.00	30.00	82.75 x 32.00	6	307 lbs.	BP9036**
N90360FSHWT*	(2299 x 927 x 543)	(2286 x 914 x 530)	(505)	(508)	(762)	(2102 x 813)			
N723018FSHWT*	72.50 x 30.50 x 19.38	72.00 x 30.00 x 19.00	17.88	14.63	24	64.75 x 26.00	11	214 lbs.	BP7230**
	(1841.5 x 774.7 x 492.3)	(1828.8 x 762.00 x 482.6)	(454.2)	(371.5)	(609.6)	(1644.7 x 660.4)			
N723024FSHWT*	72.50 x 30.50 x 25.38	72.00 x 30.00 x 25.00	24	14.63	24	64.75 x 26.00	11	246 lbs.	BP7230**
	(1841.5 x 774.7 x 644.65)	(1828.8 x 762.00 x 635.0)	(609.6)	(371.5)	(609.6)	(1644.7 x 660.4)			
N7236FSHWT*	72.50 x 37.38x 19.38	72.00 x 36.88x 19.00	17.88	14.63	30.00	64.75 x 32.00	11	400 lbs.	BP7236**
	(1841.5 x 949 x 492.25)	(1828.8 x 937 x 482.6)	(454.2)	(371.5)	(762.0)	(1644.7 x 812.8)			
N903624FSHWT*	90.50 x 37.38 x 25.38	90.13 x 36.88 x 25.00	30.88	14.63	30.00	82.75 x 32.00	12	335 lbs.	BP9036**
	(2298.7 x 949 x 644.65)	(2289.3 x 937 x 635.0)	(784.4)	(371.5)	(762.0)	(2101.9 x 812.8)			
N903636FSHWT*	90.50 x 37.38 x 37.38	90.13 x 36.88 x 36.88	36.88	15.31	30.00	82.75 x 32.00	12	415 lbs.	BP9036**
	(2298.7 x 949 x 949)	(2289.3 x 937 x 949)	(936.8)	(388.9)	(762.0)	(2101.9 x 812.8)			

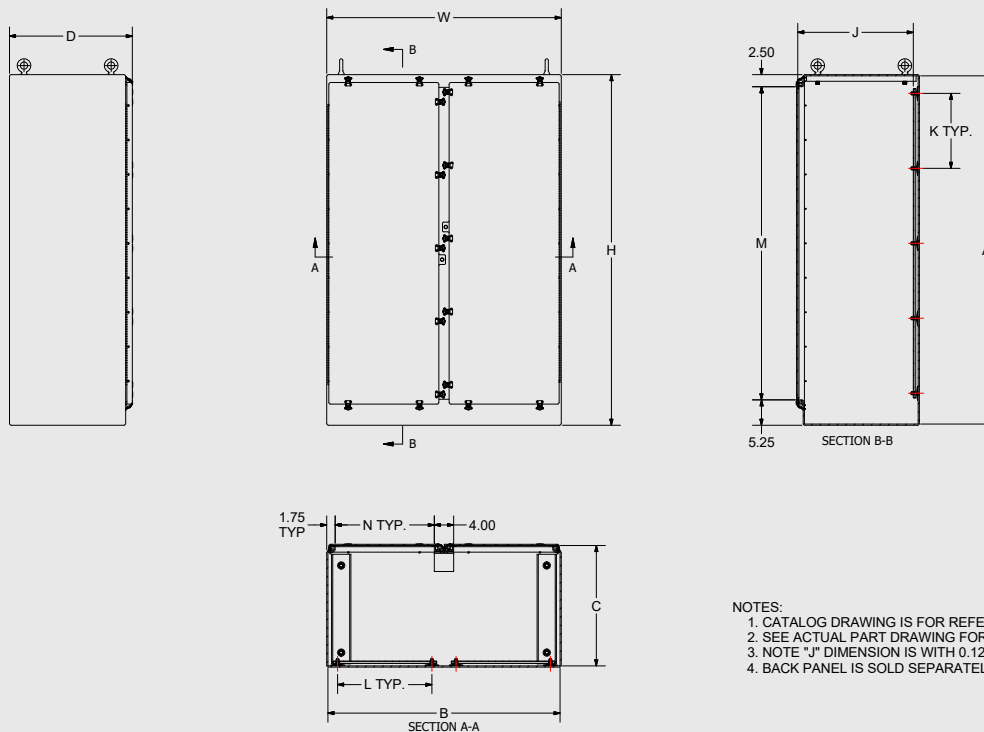
All measures are in inches, items in parentheses are in millimeters.
 Note: Mounting hole dimension is .50 inches.



*Made to order.



**Panel sold separately



- NOTES:
1. CATALOG DRAWING IS FOR REFERENCE ONLY
 2. SEE ACTUAL PART DRAWING FOR SPECIFIC DESIGN
 3. NOTE "J" DIMENSION IS WITH 0.128" THICK BACK PANEL INSTALLED
 4. BACK PANEL IS SOLD SEPARATELY

N Series – Control Tower Double Door

CATALOG NUMBER	OVERALL H X W X D	INSIDE A X B X C	MOUNTING E X F	J	K	L	ENCLOSURE OPENING M X N	NO. OF LATCHES	SHIP WEIGHT	PANEL NUMBER
N606012FSDDRT*	60.50 x 60.50 x 13.38 (1537 x 1537 x 340)	60.13 x 60.13 x 13.01 (1524 x 1524 x 324)	NA	11.88 (298)	13.00 (330)	25.50 (648)	52.75 x 26.50 (1340 x 673)	10	285 lbs.	BP6060**
N724818FSDD*	72.50 x 48.50 x 19.38 (1842 x 1232 x 492)	72.00 x 48.00 x 18.88 (1824 x 1219 x 476)	NA	17.88 (450)	15.50 (394)	19.50 (495)	64.75 x 20.50 (1645 x 521)	10	300 lbs.	BP7248**
N724925FSDDRT* N724925FSDD*	72.50 x 49.50 x 26.38 (1842 x 1257 x 670)	72.00 x 49.00 x 25.88 (1829 x 1245 x 654)	NA	24.88 (628)	15.50 (394)	20.00 (508)	64.75 x 21.00 (1645 x 533)	10	520 lbs.	BP7249**
N726012FSDD*	72.50 x 60.50 x 13.38 (1842 x 1537 x 340)	72.00 x 60.00 x 12.88 (1829 x 1524 x 324)	NA	11.88 (298)	15.50 (394)	25.50 (648)	64.75 x 26.50 (1645 x 673)	10	315 lbs.	BP7260**
N726018FSDD*	72.50 x 60.50 x 19.38 (1842 x 1537 x 492)	72.00 x 60.00 x 18.88 (1829 x 1524 x 476)	NA	17.88 (450)	15.50 (394)	25.50 (648)	64.75 x 26.50 (1645 x 673)	10	375 lbs.	BP7260**
N727212FSDDFHLWT*	72.50 x 72.50 x 13.38 (1842 x 1842 x 340)	72.00 x 72.00 x 12.88 (1829 x 1829 x 324)	NA	11.88 (298)	15.50 (394)	31.50 (800)	64.75 x 32.50 (1645 x 826)	22	480 lbs.	BP7272**
N727218FSDDRT*	72.50 x 72.50 x 19.38 (1842 x 1842 x 492)	72.00 x 72.00 x 18.88 (1829 x 1829 x 425)	NA	17.88 (400)	15.50 (394)	31.50 (800)	64.75 x 32.50 (1645 x 826)	10	557 lbs.	BP7272**
N727220FSDDFHLWT*	72.50 x 72.50 x 21.38 (1842 x 1842 x 543)	72.00 x 72.00 x 20.88 (1829 x 1829 x 527)	NA	19.88 (501)	15.50 (394)	31.50 (800)	64.75 x 32.50 (1645 x 826)	22	430 lbs.	BP7272**
N60488FSDDHWT*	60.50 x 48.50 x 9.38 (1536.7 x 1231.9 x 238.2)	60.13 x 48.13 x 9.01 (1527.2 x 1222.4 x 228.6)	24.00 (76.2)	8.00 (203.2)	12.63 (320.7)	19.50 (495.3)	54.50 x 20.50 (1384.3 x 520.7)	18	200 lbs.	BP6048**

All measures are in inches, items in parentheses are in millimeters.
Note: Mounting hole dimension is .50 inches.



*Made to order.



**Panel sold separately



N Series – Control Tower Double Door

CATALOG NUMBER	OVERALL H X W X D	INSIDE A X B X C	MOUNTING E X F	J	K	L	ENCLOSURE OPENING M X N	NO. OF LATCHES	SHIP WEIGHT	PANEL NUMBER
N60488FSDDHWT*	60.50 x 48.50 x 9.38 (1536.7 x 1231.9 x 238.2)	60.13 x 48.13 x 9.01 (1527.2 x 1222.4 x 228.6)	24.00 (76.2)	8.00 (203.2)	12.63 (320.7)	19.50 (495.3)	54.50 x 20.50 (1384.3 x 520.7)	18	200 lbs.	BP6048**
N604810FSDDHWT*	60.50 x 48.50 x 11.38 (1536.7 x 1231.9 x 289.1)	60.13 x 48.13 x 11.01 (1527.2 x 1222.4 x 279.654)	24.00 (76.2)	10 (254.0)	12.63 (320.7)	19.50 (495.3)	54.50 x 20.50 (1384.3 x 520.7)	18	212 lbs.	BP6048**
N604812FSDDHWT*	60.50 x 48.50 x 13.38 (1536.7 x 1231.9 x 339.852)	60.13 x 48.13 x 13.00 (1527.2 x 1222.4 x 330.3)	24.00 (76.2)	12 (304.8)	12.63 (320.7)	19.50 (495.3)	54.50 x 20.50 (1384.3 x 520.7)	18	223 lbs.	BP6048**
N604816FSDDHWT*	60.50 x 48.50 x 17.38 (1536.7 x 1231.9 x 441.452)	60.13 x 48.13 x 17.00 (1527.2 x 1222.4 x 431.8)	24.00 (76.2)	16 (406.4)	12.63 (320.7)	19.50 (495.3)	54.50 x 20.50 (1384.3 x 520.7)	18	246 lbs.	BP6048**
N604818FSDDHWT*	60.50 x 48.50 x 19.38 (1536.7 x 1231.9 x 492.252)	60.13 x 48.13 x 19.00 (1527.2 x 1222.4 x 482.6)	NA	18 (457.2)	12.63 (320.7)	19.50 (495.3)	54.50 x 20.50 (1384.3 x 520.7)	18	258 lbs.	BP6048**
N604820FSDDHWT*	60.50 x 48.50 x 21.38 (1536.7 x 1231.9 x 543.052)	60.13 x 48.13 x 21.00 (1527.2 x 1222.4 x 533.4)	NA	21 (533.4)	12.63 (320.7)	19.50 (495.3)	54.50 x 20.50 (1384.3 x 520.7)	18	269 lbs.	BP6048**
N604824FSDDHWT*	60.50 x 48.50 x 25.38 (1536.7 x 1231.9 x 644.652)	60.13 x 48.13 x 25.00 (1527.2 x 1222.4 x 635.0)	NA	24 (609.6)	12.63 (320.7)	19.50 (495.3)	54.50 x 20.50 (1384.3 x 520.7)	18	292 lbs.	BP6048**
N606010FSDDHWT*	60.50 x 60.50 x 11.38 (1536.7 x 1536.7 x 289.1)	60.13 x 60.13 x 11.01 (1527.2 x 1527.2 x 279.654)	24.00 (76.2)	10 (254.0)	12.13 (308.0)	25.50 (647.7)	54.50 x 26.50 (1384.3 x 673.1)	22	256 lbs.	BP6060**
N606012FSDDHWT*	60.50 x 60.50 x 13.38 (1536.7 x 1536.7 x 339.852)	60.13 x 60.13 x 11.00 (1527.2 x 1527.2 x 330.3)	24.00 (76.2)	12 (304.8)	12.13 (308.0)	25.50 (647.7)	54.50 x 26.50 (1384.3 x 673.1)	22	269 lbs.	BP6060**
N606016FSDDHWT*	60.50 x 60.50 x 17.38 (1536.7 x 1536.7 x 441.452)	60.13 x 60.13 x 17.00 (1527.2 x 1527.2 x 431.8)	24.00 (76.2)	16 (406.4)	12.13 (308.0)	25.50 (647.7)	54.50 x 26.50 (1384.3 x 673.1)	22	295 lbs.	BP6060**
N606018FSDDHWT*	60.50 x 60.50 x 19.38 (1536.7 x 1536.7 x 492.252)	60.50 x 60.50 x 19.00 (1536.7 x 1536.7 x 482.6)	NA	18 (457.2)	12.13 (308.0)	25.50 (647.7)	54.50 x 26.50 (1384.3 x 673.1)	22	308 lbs.	BP6060**
N606024FSDDHWT*	60.50 x 60.50 x 25.38 (1536.7 x 1536.7 x 644.652)	60.50 x 60.50 x 25.00 (1536.7 x 1536.7 x 635.0)	NA	24 (609.6)	12.13 (308.0)	25.50 (647.7)	54.50 x 26.50 (1384.3 x 673.1)	22	346 lbs.	BP6060**
N724818FSDDHWT*	72.50 x 48.50 x 19.38 (1841.5 x 1231.9 x 492.252)	72.00 x 48.13 x 19.00 (1828.8 x 1222.4 x 482.6)	NA	17.88 (454.2)	15.13 (384.2)	20.50 (520.7)	56.50 x 20.50 (1989.1 x 520.7)	18	300 lbs.	BP7248**
N724824FSDDHWT*	72.50 x 48.50 x 25.38 (1841.5 x 1231.9 x 644.652)	72.00 x 48.13 x 25.00 (1828.8 x 1222.4 x 635.0)	NA	24 (609.6)	15.13 (384.2)	20.50 (520.7)	56.50 x 20.50 (1989.1 x 520.7)	18	338 lbs.	BP7248**
N724925FSDDHWT*	72.50 x 49.50 x 26.38 (1842 x 1257 x 670)"	72.00 x 49.00 x 25.75 (1829 x 1244 x 654)	NA	24.74 (628)	15.13 (384.2)	20.5 (508.7)	64.75 x 21.00 (1645 x 533)	18	520 lbs.	BP7249**
N726012FSDDHWT*	72.50 x 60.50 x 13.38 (1842 x 1536.7 x 339.852)	72.00 x 60.13 x 11.00 (1829 x 1527.2 x 330.3)	NA	12 (304.8)	15.13 (384.2)	25.50 (647.7)	66.5 x 26.5 (1689.1 x 673.1)	22	315 lbs.	BP7260**
N726016FSDDHWT*	72.50 x 60.50 x 17.38 (1842 x 1536.7 x 441.452)	72.00 x 60.13 x 17.00 (1829 x 1527.2 x 431.8)	NA	16 (406.4)	15.13 (384.2)	25.50 (647.7)	66.5 x 26.5 (1689.1 x 673.1)	22	343 lbs.	BP7260**
N726018FSDDHWT*	72.50 x 60.50 x 19.38 (1842 x 1536.7 x 492.252)	72.00 x 60.13 x 19.00 (1829 x 1527.2 x 482.6)	NA	18 (457.2)	15.13 (384.2)	25.50 (647.7)	66.5 x 26.5 (1689.1 x 673.1)	22	358 lbs.	BP7260**
N726024FSDDHWT*	72.50 x 60.50 x 25.38 (1842 x 1536.7 x 644.652)	72.00 x 60.13 x 25.00 (1829 x 1527.2 x 635.0)	NA	24 (609.6)	15.13 (384.2)	25.50 (647.7)	66.5 x 26.5 (1689.1 x 673.1)	22	400 lbs.	BP7260**
N727212FSDDHWT*	72.50 x 72.50 x 13.38 (1842 x 1842 x 339.852)	72.00 x 72.00 x 11.00 (1829 x 1829 x 330.3)	NA	12 (304.8)	15.13 (384.2)	31.50 (800.1)	66.5 x 32.5 (1689.1 x 825.5)	22	369 lbs.	BP7272**
N727218FSDDHWT*	72.50 x 72.50 x 19.38 (1842 x 1842 x 492.252)	72.00 x 72.00 x 19.00 (1829 x 1829 x 482.6)	NA	18 (457.2)	15.13 (384.2)	31.50 (800.1)	66.5 x 32.5 (1689.1 x 825.5)	22	415 lbs.	BP7272**
N727224FSDDHWT*	72.50 x 72.50 x 25.38 (1842 x 1842 x 644.652)	72.00 x 72.00 x 25.00 (1829 x 1829 x 635.0)	NA	24 (609.6)	15.13 (384.2)	31.50 (800.1)	66.5 x 32.5 (1689.1 x 825.5)	22	461 lbs.	BP7272**
N747212FSDDHWT*	74.50 x 72.50 x 13.38 (1892.3 x 1842 x 339.852)	74.00 x 72.00 x 11.00 (1879.6 x 1829 x 330.3)	24.00 (76.2)	12 (304.8)	15.63 (396.9)	31.50 (800.1)	68.5 x 32.5 (1695.5 x 825.5)	22	378 lbs.	BP7472**
N747224FSDDHWT*	74.50 x 72.50 x 13.38 (1892.3 x 1842 x 339.852)	74.00 x 72.00 x 11.00 (1879.6 x 1829 x 330.3)	24.00 (76.2)	24.00 (76.2)	15.63 (396.9)	31.50 (800.1)	68.5 x 32.5 (1695.5 x 825.5)	22	471 lbs.	BP7474**
N904820FSDDHWT*	90.50 x 48.50 x 21.38 (2298.7 x 1231.9 x 543.052)	90.13 x 48.13 x 21.00 (2289.3 x 1222.4 x 533.4)	NA	19.88 (505.0)	15.63 (396.9)	19.50 (495.3)	84.5 x 20.5 (2146.3 x 520.7)	12	378 lbs.	BP9048**
N907220FSDDHWT*	90.50 x 72.50 x 21.38 (2298.7 x 1842 x 543.052)	90.13 x 72.00 x 21.00 (2289.3 x 1829 x 533.4)	NA	19.88 (505.0)	15.63 (396.9)	31.50 (800.1)	84.5 x 32.12 (2146.3 x 816.0)	24	519 lbs.	BP9072**
N907224FSDDHWT*	90.50 x 72.50 x 25.38 (2298.7 x 1842 x 644.652)	90.13 x 72.00 x 25.00 (2289.3 x 1829 x 635.0)	NA	24 (609.6)	15.63 (396.9)	31.50 (800.1)	84.5 x 32.12 (2146.3 x 816.0)	24	553 lbs.	BP9072**
N907236FSDDHWT*	90.50 x 72.50 x 37.38 (2299 x 1842 x 949)	90.00 x 72.00 x 36.88 (2286 x 1829 x 937)	NA	35.88 (911)	20.00 (508)	31.5 (800)	82.75 x 32.13 (2102 x 816)	24	657 lbs.	BP9072**



*Made to order.



**Panel sold separately



Lighting Control

"There are many contracting and manufacturing firms that will solicit/bid on state and city projects. They are not necessarily all local. Therefore, we were pleased when local companies won the bids for this project. All three of these Michigan firms proved that going local doesn't mean we were getting firms with less experience or higher cost. They all proved that going local is a great way to help the State of Michigan stay competitive and offer its citizens a great and viable place to live. Now, due to the help of these local firms, our city has a safer more attractive community for our constituents to enjoy."

– Randy, Belding, Michigan's City Manager

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