

Flush Bonded Window

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
Bonded Window	Precision routed flush bonded Super Abrasion Resistant acrylic material for maximum visibility
Color	Available standard glacier grey (PMS 428C)

HLL Modifications

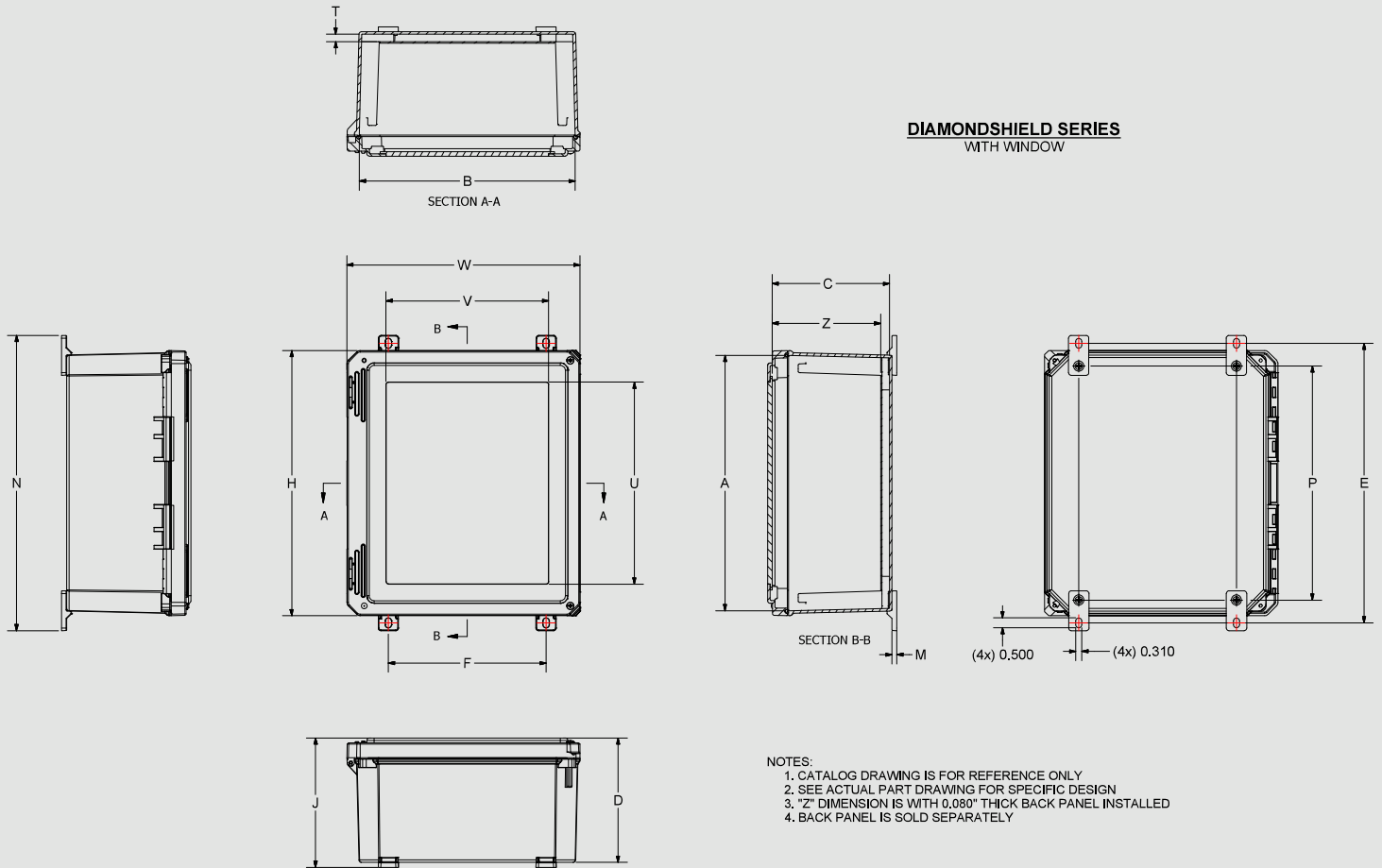
Custom Colors	pg. 21-22
Silk Screening	pg. 21-22
EMI/RFI Shielding	pg. 21-22
Custom Window	pg. 21-22
Custom Cutouts/Holes	pg. 21-22

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	UL94-5V
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	#10-32 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			SHIP WEIGHT	PANEL NUMBER	
										FEET E X F	N	J			M
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			SHIP WEIGHT	PANEL NUMBER	
										FEET	INCHES	FRAMES			
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*

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*Panel sold separately