Job/Location: _____

Contractor: _____   Job Type: _____

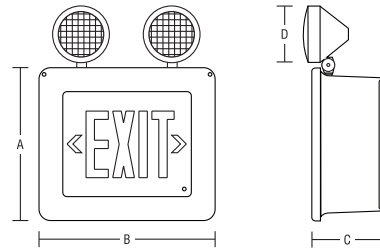Prepared By: _____   Date: _____

■ specifications: internal

The ESW-HZ-CP-ECX has a standard 120/277V input. The solid state, high efficiency, dual rate charger provides precise float voltage control and incorporates a low voltage disconnect for optimum protection. High performance red or green LEDs properly illuminate the face. Fuse protection is standard.

■ specifications: external

The durable NEMA 4X fiberglass enclosure is corrosion and vandal resistant. The housing is fully gasketed and is supplied standard in an industrial gray finish. The ESW-HZ-CP-ECX can be surface mounted on a wall. Magnetic test switch and LED status indicator are standard.

■ dimensions (in,mm.)

Series	A	B	C	D
ESW-HZ-CP-ECX	13.5"	15.5"	6.25"	5.25"
	343mm	394mm	159mm	140mm

Series	Operation	Pb-A (Capacity)	Ni-Cd[1] (Capacity)	LED	Face No.	Chevrons	Mounting	Heads[2]	Lamps	Options
ESW-HZ-CP-EC	6 (6V)	36 (6V, 12V)	42 (6V, 12V)	LR (red)	1 (single)	U (universal)	W (wall)	4LRWP	See lamps	AT (autotest)
	12 (12V)	60 (6V, 12V)	54 (6V)	LG (green)				3LRWP	selection on	NC[3] (nickel-cadmium battery)
		72 (6V)	90 (6V, 12V)					2LRWP	next page	TD[4] (time delay- specify 5, 10, 20 mins)
		100 (6V)	130 (12V)					1LRWP		TP (tamper proof screws)
		120 (6V, 12V)						0 (no heads)		AM (ammeter)
		140 (12V)								VM (voltmeter)
										SW (special wording- specify)
										FAI[5] (fire alarm interface)
										SMH (side mount heads)
										TC (teflon coating)
										WG (wireguard)

NOTE 1: Nickel-cadmium. Must select NC from options when selecting Ni-Cd. NOTE 2: Only PAR-36 heads available
NOTE 3: NC (select wattage/voltage from Ni-Cd column).

NOTE 4: Must specify at time of order, 10 min standard. NOTE 5: Specify type- open/closed dry contact.

EXAMPLE: RBO-C636LG1UW2LRWP8WH-VM
DESCRIPTION: Robusto combo, 6V 36W, green LED, single face with universal chevrons, wall mount, two 8W halogen lamps, voltmeter

■ emergency heads

As standard, the **ESW-HZ-CP-ECX** is supplied with two (2) top mounted, weatherproof PAR36 style emergency heads. Constructed of high impact thermoplastic and finished in a neutral gray finish. The emergency head design features a locking collar that securely holds the lens in place and facilitates quick re-lamping.

■ specifications: electrical

BATTERY: The **ESW-HZ-CP-ECX** is configured with high output, high effiiency red or green LEDs that consume less then 2W. Configured with 120/277V input. Magnetic test switch and monitor LED.The **ESW-HZ-CP-ECX** is designed with maintenance free, sealed lead acid batteries, providing a minimum emergency duration of 90 minutes. Optional nickel cadmium batteries are available. Recharge time for the batteries is forty-eight (48) hours. Operating temperature 10°C up to 40°C.

CIRCUIT: The **ESW-HZ-CP-ECX** utilizes a high-efficiency two stage charger providing precise float voltage control with low voltage disconnect protection. All components used in the circuitry are temperature compensated. The charger also has brownout and short circuit protection. Charger status is easily determined via a dual diagnostic LED display which indicates AC/ON and High Charge. A magnetic test switch allows maintenance personnel to quickly determine the operational status of the unit and lamp load, (magnet included).

■ specifications: mechanical

The **ESW-HZ-CP-ECX** series housing is constructed from durable, corrosion resistant fiberglass. The NEMA 4X housing is fully gasketed for harsh and hazardous locations. The front access panel/door is hinged for trouble-free installation and maintenance. The **ESW-HZ-CP-ECX** features a stainless steel breather valve that provides efficient ventilation. Remote lamp loads are connected to the emergency power supply with sturdy terminal connectors. These connectors allow for a large gauge of wire to be used increasing the flexibility of installation.

The **ESW-HZ-CP-ECX** has been designed to perform in applications where the environment would punish any standard unit. The entire internal cavity of the sign is protected from moisture ingress by an extremely resilient gasket. The gasketing always holds its original form and has "memory retention" so that it effectively and consistently protects the **ESW-HZ-CP-ECX** from moisture.

■ hazardous approvals

The **ESW-HZ-CP-ECX** series is approved for use in Class 1, Division 2, Groups A, B, C and D: T2B area classification. In addition, the Robusto is also suitable for Class I, Zone 2, IIA, IIB & IIC: T1 & T2 area classification.

■ autotest

The Beghelli Autotest feature automatically performs a 5 minute discharge test monthly. Every 6 months, two 90 minute discharge tests are performed 24 hours apart. This tests both the battery capacity and recharge capability. The status of the **ESW-HZ-CP-ECX** is communicated clearly with a single, multi-color LED indicator.

	6V	12V
Composite Tungsten	9W	9, 18W
Sealed Beam LED (LEDSB)	N/A	6W

■ model rating guide

Model	Voltage	Wattage			
		90min	120min	180min	240min
ESW-HZ-CP-ECX	6	36	27	18	13
ESW-HZ-CP-ECX	6	42	31	21	15
ESW-HZ-CP-ECX	6	54	40	27	20
ESW-HZ-CP-ECX	6	60	45	30	22
ESW-HZ-CP-ECX	6	72	54	36	27
ESW-HZ-CP-ECX	6	90	67	45	33
ESW-HZ-CP-ECX	6	100	75	50	25
ESW-HZ-CP-ECX	6	120	90	60	45
ESW-HZ-CP-ECX	12	36	27	18	13
ESW-HZ-CP-ECX	12	42	31	21	15
ESW-HZ-CP-ECX	12	60	45	30	22
ESW-HZ-CP-ECX	12	90	67	45	33
ESW-HZ-CP-ECX	12	120	90	60	45
ESW-HZ-CP-ECX	12	130	97	65	48
ESW-HZ-CP-ECX	12	140	105	70	52

■ warranty

The **ESW-HZ-CP-ECX** comes with a 3-year factory warranty. Lamps are not covered under the warranty. Deliberate damage, misuse, improper installation effectively cancel the warranty.