

NE



THE NEWPORT SERIES

OF CONCRETE POLES



UTILITY STRUCTURES INC.

NEWPORT SERIES

PHYSICAL DETAILS

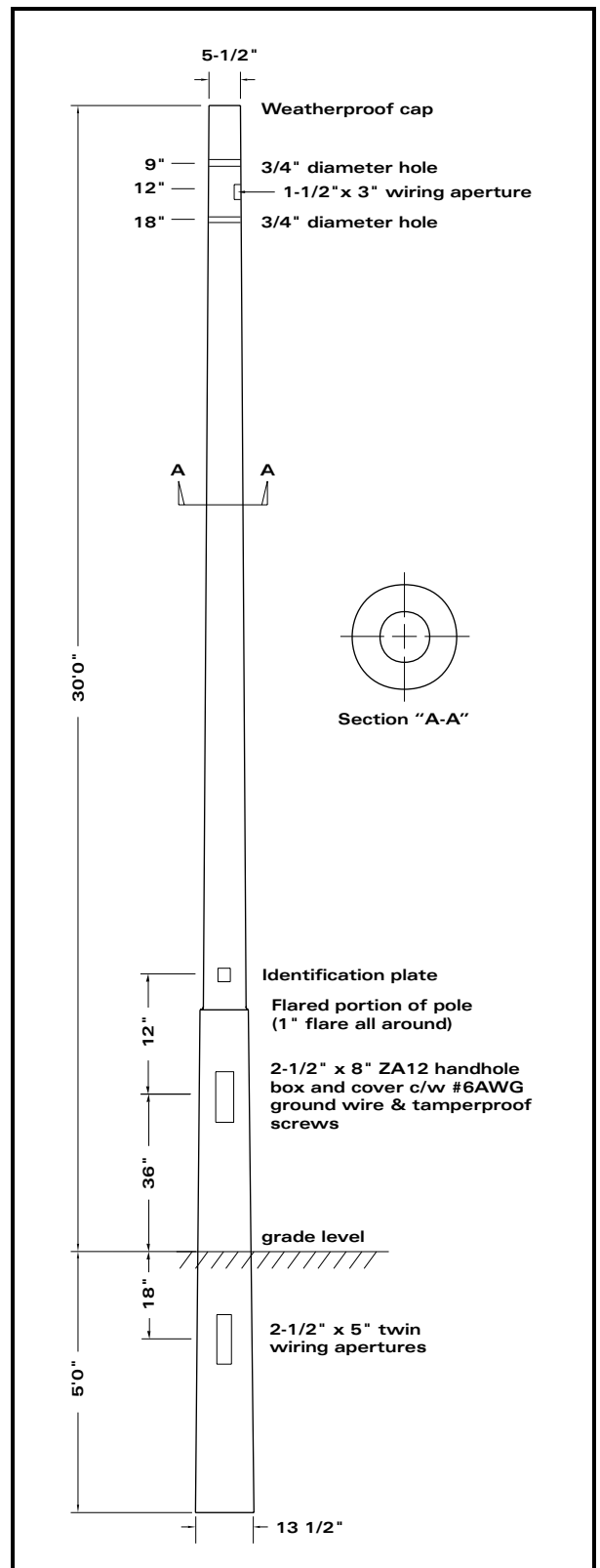
- Round symmetrical cross section.
- Flared lower portion 2" larger in diameter (than upper section), for additional concrete cover of reinforcing steel.
- Standard taper of 15mm/metre (0.18"/foot).
- Standard mold, etched or exposed finishes are available in a variety of colours.
- Available in heights from 10 feet to 43 feet above grade.
- Will accept a variety of luminaire mounting styles.

STANDARD FEATURES

- Pole adapts to fit most arms and accessories. Refer to the fixture mount options section for typical details.
- 2 1/2" x 8" standard handhole box is cast into pole at 36" above grade. Box and coverplate are both high density ZA12 Zinc Alloy material.
- Stainless steel coverplate screws with various drives in either Robertson #3, Allen key, or Tamperproof.
- Ground feature of either an external ground lug or an internal copper ground wire. Various sizes/gauges are available.
- Zinc inserts in 1/4", 3/8", 1/2", 5/8" or 3/4" are available.
- Above and below grade wiring apertures are available in a number or various sizes. 1 1/2" x 3" is typical for above grade, and 2 1/2" x 5" is typical for below grade.
- Through holes for arms, fixtures, and accessories are available in a variety of diameters. 1/2", 3/4" and 1" are typical.

INSTALLATION DETAILS

- Pole is generally directly buried in the ground, eliminating the need for the more costly base mounted design.
- A galvanized steel base plate is optional. Refer to our options and accessories section for details regarding this option.
- A good rule of thumb for burial depth is 10% of pole length plus 2 feet.
- In most cases the native material can be used for backfill material. If the soil is poor or there are heavy loads on the poles, select backfill may be required. Refer to the technical data sheets.



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CLASS OF POLE	POLE CATALOGUE NUMBER	POLE HEIGHT ABOVE GRADE [ft.]	POLE TIP DIAMETER [in.]	POLE BUTT DIAMETER [in.]	ULTIMATE GROUND LINE MOMENT [ft.lbs.]	NOMINAL POLE WEIGHT [lbs.]
A	NE-200-A-1-PG-10	15	6 1/2	12	4800	1100
	NE-225-A-1-PG-10	17 1/2	6	12	6300	1160
	NE-250-A-1-PG-10	20	5 1/2	12	7800	1260
	NE-275-A-1-PG-10	22 1/2	5	12	9300	1300
	NE-300-A-1-PG-10	25	6 1/2	13 1/2	10800	1840
	NE-325-A-1-PG-10	27 1/2	6	13 1/2	12300	2000
	NE-350-A-1-PG-10	30	5 1/2	13 1/2	13800	2060
B	NE-250-B-1-PG-10	20	5 1/2	12	16200	1260
	NE-275-B-1-PG-10	22 1/2	5	12	18450	1300
	NE-300-B-1-PG-10	25	6 1/2	13 1/2	20700	1840
	NE-325-B-1-PG-10	27 1/2	6	13 1/2	22950	2000
	NE-350-B-1-PG-10	30	5 1/2	13 1/2	25200	2060
	NE-375-B-1-PG-10	32 1/2	5	13 1/2	27450	2300
	NE-400-B-1-PG-10	34	6 1/4	15 1/2	28800	2690
	NE-425-B-1-PG-10	36 1/2	5 3/4	15 1/2	31050	2760
NE-450-B-1-PG-10	39	5 1/4	15 1/2	33300	2840	
C	NE-300-C-1-PG-10	25	6 1/2	13 1/2	27600	1840
	NE-325-C-1-PG-10	27 1/2	6	13 1/2	30600	2000
	NE-350-C-1-PG-10	30	7 1/4	15 1/2	33600	2540
	NE-375-C-1-PG-10	32 1/2	6 3/4	15 1/2	36600	2620
	NE-400-C-1-PG-10	34	6 1/4	15 1/2	38400	2690
	NE-425-C-1-PG-10	36 1/2	5 3/4	15 1/2	41400	2760
	NE-450-C-1-PG-10	39	7 1/2	17 1/4	44400	3800
	NE-475-C-1-PG-10	41 1/2	7	17 1/4	46800	3950
	NE-500-C-1-PG-10	43	6 1/2	17 1/4	49200	4100
D	NE-400-D-1-PG-10	34	6 1/4	15 1/2	48000	2690
	NE-425-D-1-PG-10	36 1/2	8	17 1/4	51750	3760
	NE-450-D-1-PG-10	39	7 1/2	17 1/4	55500	3800
	NE-475-D-1-PG-10	41	7	17 1/4	58500	3900
	NE-500-D-1-PG-10	43	8 1/4	19 1/16	61500	4600

NOTES: This chart outlines typical heights and class of poles for this style. Other sizes are available upon request. Pole height above grade based on recommended burial depth for normal soils. Ultimate ground line moment is calculated as follows: Height above grade minus 2 ft. times transverse bending strength.

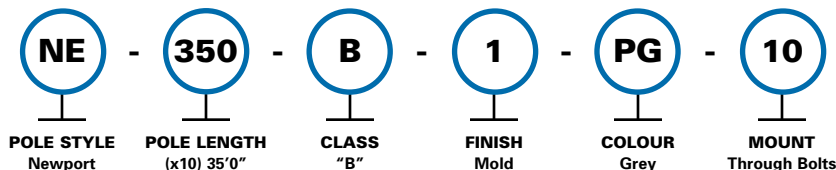
CODE	DESCRIPTION OF OPTIONS
B	Base Mount - galvanized steel base plate mount
S	Base Shroud - steel or aluminum base plate cover
R	GFI Receptacle - GFI receptacle and waterproof cover
A	Banner Arm - color matched aluminum banner arm
L	Ladder Rest - color matched aluminum ladder rest
C	Custom Accessory - call representative for your specific needs

CODE	DESCRIPTION OF COLOR
PG	Plain Grey
AJ	Aztec Jade
BE	Black Eclipse
DS	Desert Sand
ML	Midnight Lace
OJ	Oriental Jade
SB	Seluki Bronze

CODE	DESCRIPTION
10	Side mounted with through bolts
20	Side mounted with inserts
30	Steel tenon post top
40	Concrete tenon post top
50	Top mounted round concrete tenon

CODE	DESCRIPTION
1	Mold finish
3	Etched and acrylic applied
4	Exposed aggregate

TYPICAL CATALOGUE NUMBER





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