

TECHNICAL PARTICULARS

MECHANICAL VALUES

Bending strength (Upright & under hung)	lb	4000	kN	17.8
Compression strength	lb	120000	kN	534
Tensile strength	lb	40000	kN	178
Torsional strength	in lb	120000	kNm	13.56

ELECTRICAL VALUES

Dry power frequency withstand voltage	kV	335		
Wet power frequency withstand voltage	kV	275		
Dry power frequency flashover voltage	kV	365		
Wet power frequency flashover voltage	kV	305		
Lightning impulse withstand voltage	kVp	650		
Impulse flash over voltage	kVp	710		
Min. creepage distance	Inch	116	mm	2946

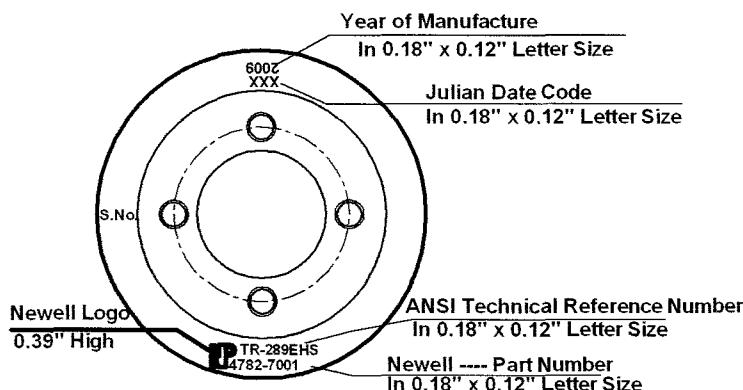
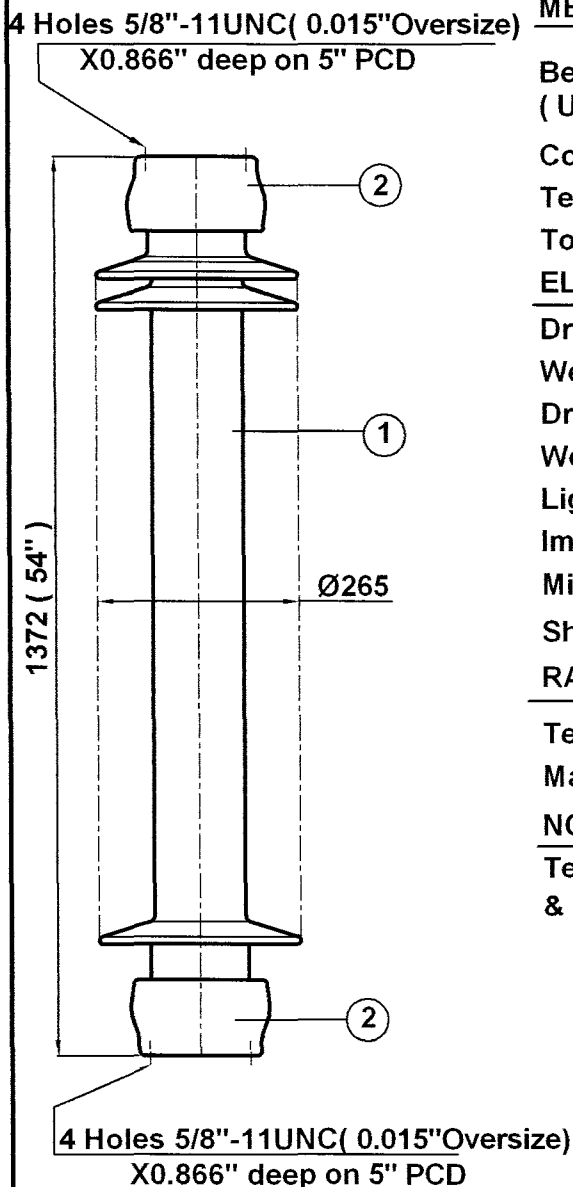
Shed profile as per IEC : 60815

RADIO INFLUENCE VOLTAGE DATA

Test voltage to ground	kV	88
Max. RIV at 1000 kHz	µV	200

NOTE: -

Test & tolerance as per IS :2544 ,5350 & IEC :60168, 273 & ANSI : C 29.9



Marking at top shed

2	Caps	MCI / SGI	Hot dip galv .
1	Insulator body	Al. porcelain	Grey Glazed
S.No.	DESCRIPTION	MATERIAL	REMARKS
Title		Scale	Matl.
STATION POST INSULATOR (BIL - 650 kV)		N.T.S.	See table
Ref.		Drawn	Prashant Gaur
		Checked	S.k.dixit
		Approved	KR JC
All dimension are in mm./inch.		Date	07 - 09 - 2006
NEWELL P S N L L C		Drg. No.	Rev.
		212 - C - 1042	0