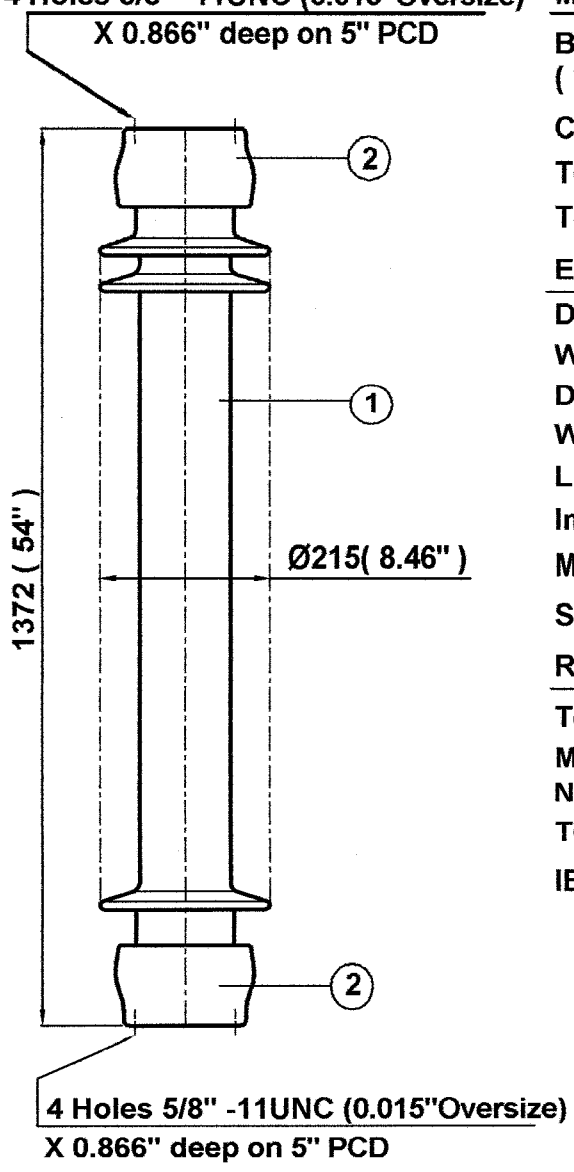
TECHNICAL PARTICULARS



MECHANICAL VALUES

Bending strength (Upright & under hung)	lb	1450	kN	6.45
Compression strength	lb	60000	kN	267
Tensile strength	lb	20000	kN	89
Torsional strength	in lb	60000	kNm	6.78

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	2947

Shed profile as per IEC :60815

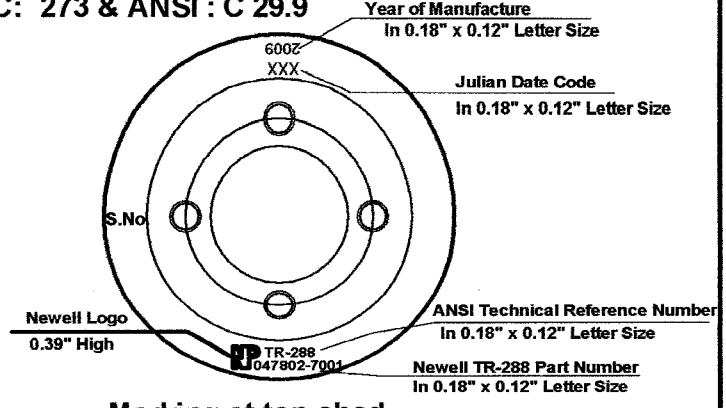
RADIO INFLUENCE VOLTAGE DATA

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

NOTE: -

Test & tolerance as per IS :2544 , 5350 & IEC :60168 ,

IEC: 273 & ANSI : C 29.9



Marking at top shed

S.No.	DESCRIPTION	MATERIAL	REMARKS
2	Caps	MCI / SGI	Hot dip galv .
1	Insulator body	Al. porcelain	Grey Glazed

Title: **SOLIDCORE POST INSULATOR** (BIL - 650 kV)		Scale N.T.S.	Matl. See table
Ref. TR : 288		Drawn	K.K.Prajapati
		Checked	K.R.J.C.
		Approved	J.B.A.
All dimension are in mm./inch.		Date	07 - 09 - 1995
NEWELL PSN LLC		Drg. No. **212 - C - 172**	Rev. **1**

Rev. :- 1 On dated 20-10-1995