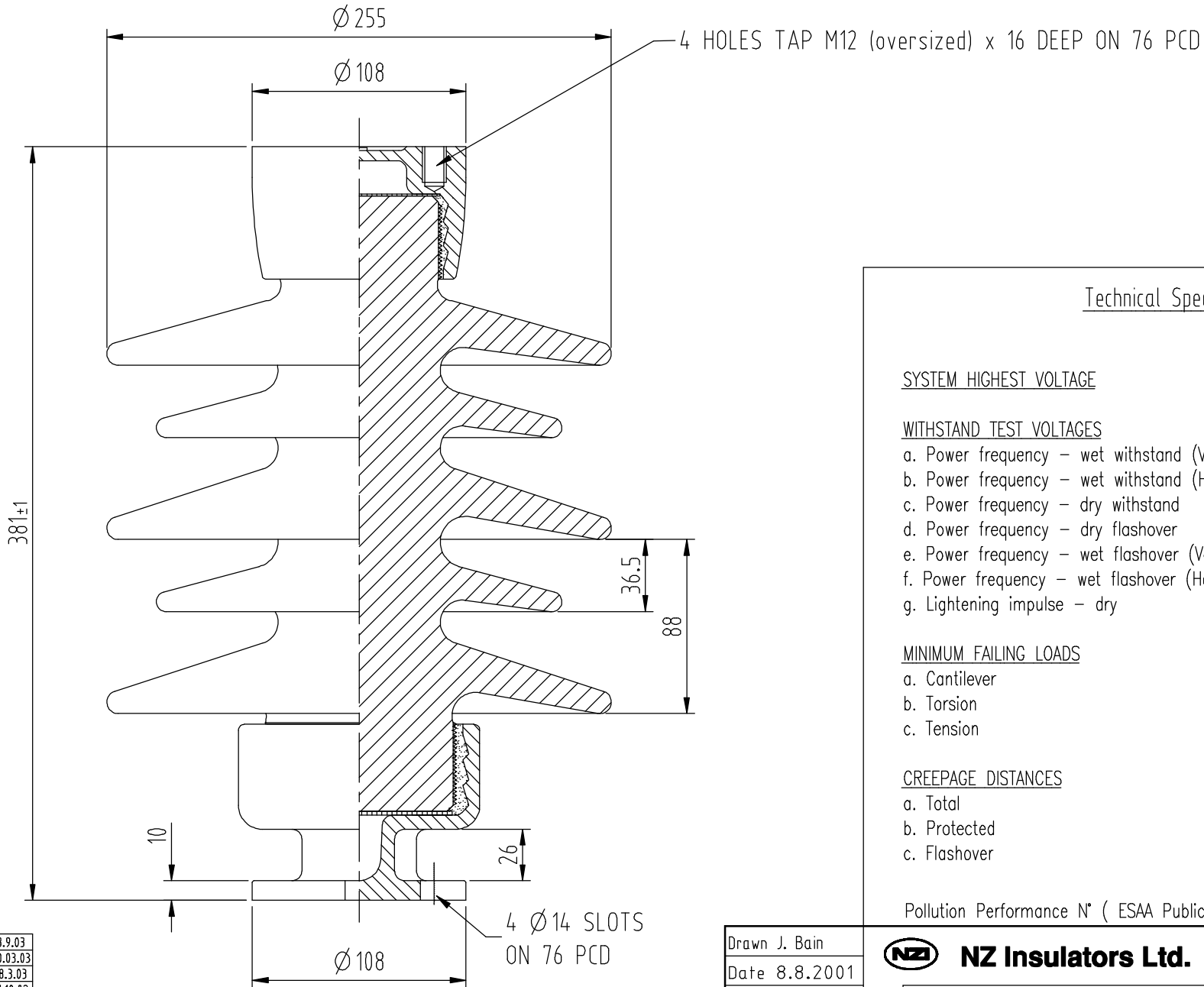


ALL DIMENSIONS IN MILLIMETRES - DO NOT SCALE - IF IN DOUBT ASK



### Technical Specification

	DESIGNED VALUES
<u>SYSTEM HIGHEST VOLTAGE</u>	36 kV
<u>WITHSTAND TEST VOLTAGES</u>	
a. Power frequency – wet withstand (Vertical)	90 kV
b. Power frequency – wet withstand (Horizontal)	95 kV
c. Power frequency – dry withstand	130 kV
d. Power frequency – dry flashover	135 kV
e. Power frequency – wet flashover (Vertical)	95 kV
f. Power frequency – wet flashover (Horizontal)	100 kV
g. Lightning impulse – dry	200 kV
<u>MINIMUM FAILING LOADS</u>	
a. Cantilever	12 kN
b. Torsion	>1,200 Nm
c. Tension	>30 kN
<u>CREEPAGE DISTANCES</u>	
a. Total	860 mm
b. Protected	360 mm
c. Flashover	330 mm

Pollution Performance N\* ( ESAA Publication D (b) 19-1975 ) = 12

Issue	Mod. No.	Date
G	3079	3.9.03
F	3042	20.03.03
E	3041	18.3.03
D	3006	11.10.02
C	2924	11.10.01
H	3082	11.9.03

Drawn J. Bain  
Date 8.8.2001

FIRST ANGLE PROJECTION



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**36kV STATION POST INSULATOR**  
4494 REPLACEMENT (STANDARD MOUNTING)

**D687-0547/H**