

PART VIII
Appendix C

Completion Certificate Form (Electrical Works)

I/we certify that the installation detailed below has been installed by me/us and tested and that to the best of my/our knowledge and belief, it complies with the requirements of Bangladesh National Building Code and the Electricity Act of Bangladesh.

Electrical Installation at : _____

Voltage and system of supply : _____

**PARTICULARS OF
WORKS**

(a) Internal Electrical Installation

	<u>No.</u>	<u>Total load</u>	<u>Type or system of wiring</u>
(i) Light points			
(ii) Fan points			
(iii) Socket points			
2-pin 5 A			
3-pin 13 A Flat pin			
3-pin 15 A Round Pin			

(b) Others

	<u>Description</u>	<u>hp/kW</u>	<u>Type of starting</u>
(1) Motors			
(i)			
(ii)			
(iii)			
(2) Other Plants			

(c) If the work involves installations of overhead line and/or underground cable

- (1) (i) Type and description of overhead line
(ii) Total length and number of spans
(iii) Number of street lights and its description

(2) (i) Total length and size of underground cable

(ii) Number of joints

End joint

Tee joint

Straight through joint

(d) Earthing

(i) Description of earthing electrode

(ii) Number of earth electrodes

(iii) Type and short description of Brass Earthing Clamp

(iv) Number of Brass Bolt Nuts provided in the Brass Earthing Clamp for the termination of Earth Lead Cables

(v) Size of each of the main earth lead cables

(vi) Number of main earth lead cables

TEST RESULTS

(a) Insulation Resistance values:

(i) Insulation resistance of the whole system of conductors to earth _____ mega ohms

(ii) Insulation resistance between the phase conductor and neutral

Between phase R and neutral _____ mega ohms

Between phase Y and neutral _____ mega ohms

Between phase B and neutral _____ mega ohms

(iii) Insulation resistance between the phase conductors in case of polyphase supply

Between phase R and phase Y _____ mega ohms

Between phase Y and phase B _____ mega ohms

Between phase B and phase R _____ mega ohms

(b) Polarity test

Polarity of nonlinked single pole branch switches

(c) Earth continuity test

Maximum resistance between any point in the earth continuity conductor including metal conduits and main earthing lead _____ ohms

(d) Earth electrode resistance

Resistance of each earth electrode

(i) _____ ohms

(ii) _____ ohms

(iii) _____ ohms

(iv) _____ ohms

(e) Lightning protective system

Resistance of the whole of lightning protective system to earth before any bonding is effected with earth electrode and metal in/on the structure _____ ohms

Signature of Supervisor

Signature of Contractor

Name and Address _____

Name and Address _____

PART VIII
Appendix D

NC, NCB and Recommended Criteria for Sound Insulation

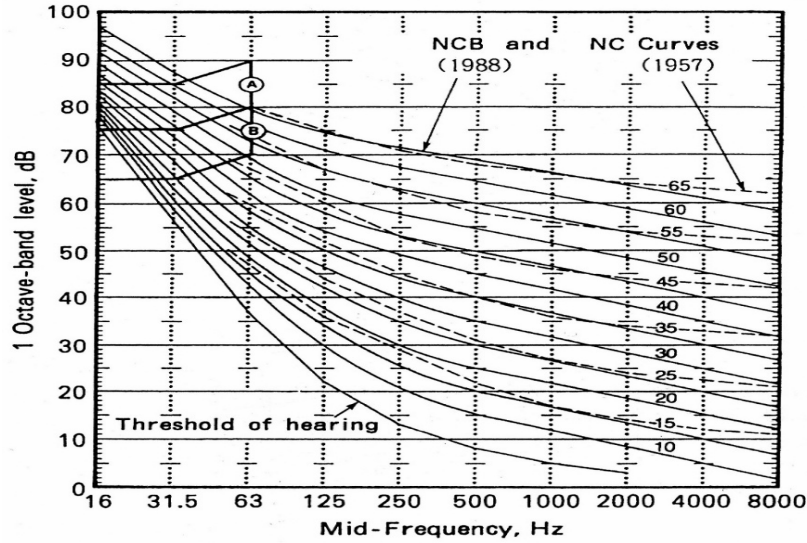


Figure 8.D.1 Noise Criteria (NC) and Balanced Noise Criteria (NCB) Curve
(Source: L. L. Beranek, 1957, 1988)

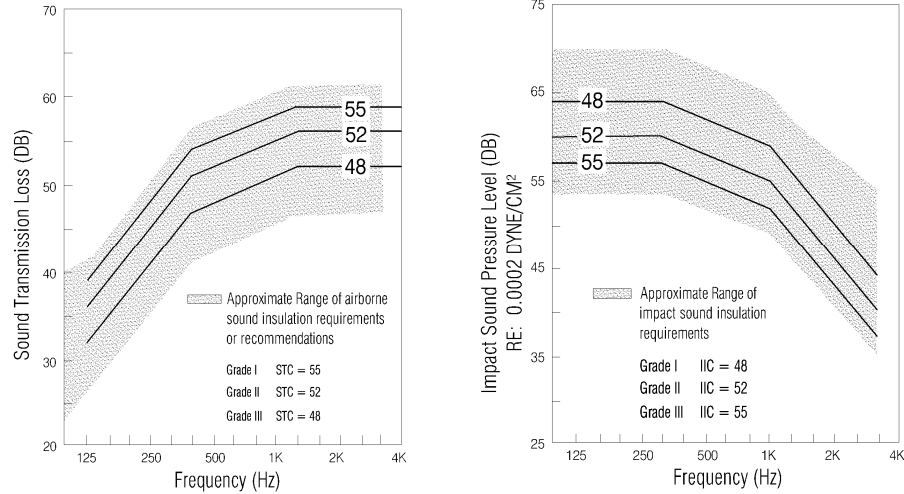


Figure 8.D.2 Recommended Criteria for Sound Insulation between Dwelling Units

(Source: Cavanaugh, W. J., Wilkes, J. A. 1999. *Architectural Acoustics Principles and Practice*, John Wiley & Sons, Inc, New York)