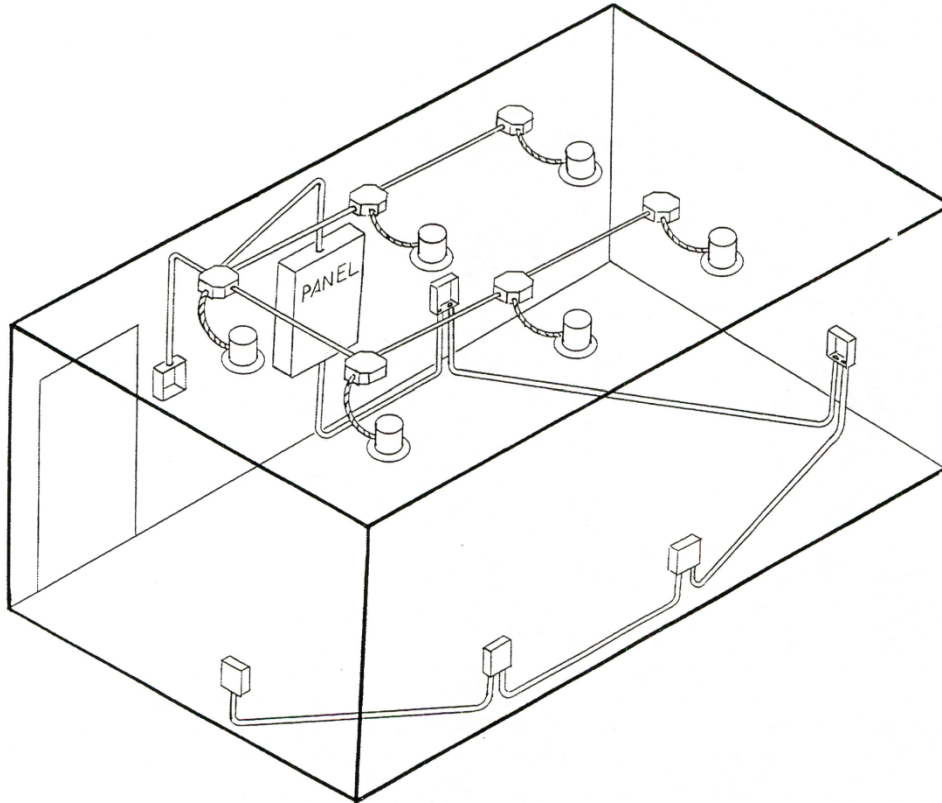


**OFFICE PLAN  
ISOMETRIC DRAWING**



**Estimating Conductor Length (Wire)**

**Method 1**

Total Wire Length = [No. Conductors x Length of Conduit] + [No. of Conductors x Length of Tail-out x No. Connectors]

Fixture Whips

[3 conductors x 5 ft x 6 whips] + [3 conductors x 1 ft x 12] = 90 ft + 36 ft = 126 ft

Lighting Branch

[3 conductors x 80 ft] + [(3 conductors x 1 ft x 13) + (3 conductors x 3 ft x 1)] = 288 ft

Power Branch

[3 conductors x 90 ft] + [(3 conductors x 1 ft x 9) + (3 conductors x 3 ft x 1)] = 306 ft

Total Length of Wire = 126 ft + 288 ft + 306 ft = 720 ft (includes makeup)

**Method 2**

Add 15 % Makeup Wire

Total Length of Wire = (3 conductors x (30 ft + 80 ft + 90 ft)) x 1.15 = 690 ft