

**Fitting Out Requirements of Building Services Installations for
Social Enterprise at Shops A-B on G/F and 1/F Yee King Court,
513-521 Shun Ning Road, Sham Shui Po, Kowloon.**

Accommodation	Requirements
1. Office	<p>(a) Lighting : (i) General fluorescent fittings.</p> <p>(b) Power : (i) 13A switched sockets for general purpose. (at least 1 no. per 6.5m² of floor area approximately).</p> <p>(ii) Necessary power supply for air conditioner.</p> <p>(iii) Necessary power supply for emergency call bell system.</p> <p>(iv) Necessary power supply for PA system.</p> <p>(v) 2 nos. 13A switched sockets near each computer data point.</p> <p>(vi) Necessary power supply for door bell system.</p> <p>(c) Air-Conditioning : (i) Required.</p> <p>(d) Telephone Point : (i) 4 nos. (for 3 nos. direct lines and 1 no. fax line).</p> <p>(e) Computer Data Point : (i) 3 nos.</p> <p>(f) Emergency Call Bell : (i) 1 no. emergency call bell panel with red indication lights and buzzer.</p> <p>(g) Door Bell : (i) 1 no. push button at main entrance linked to the bell installed in the Office.</p> <p>(h) PA System : (i) PA system control panel with zoning. The PA system shall incorporate CD player for playback of music.</p>
2. Production Area	<p>(a) Lighting : (i) General fluorescent fittings.</p>

- (b) Power : (i) 13A switched sockets throughout the premises to suit actual requirement (about 1 no. per 10m² of floor area approximately).
- (ii) Necessary power supply for machines to suit the layout of premises, nature of work, loading of equipment and consideration of flexibility (about 1 switch / isolator per 20 m² of floor area approximately).
- (iii) Necessary power supply for oscillating fans.
- (iv) Necessary power supply for air conditioners.
- (c) Air-Conditioning : (i) Required with space heating facilities.
- (d) PA System : (i) Speakers required.
- (e) Emergency Call Bell : (i) Call bell push to suit the actual layout and connected to control panel at Office. (about 1 no. per 50 m² of floor area approximately).
- (f) Appliances : (i) 400mm dia. Oscillating fans (1 no. per 10m² of floor area approximately).
3. Store
- (a) Lighting : (i) General fluorescent fittings.
- (b) Power : (i) 1 no. 13A switched sockets for general purpose.
- (ii) Necessary power supply for 1 no. extract fan.
- (c) Mechanical Ventilation : (i) 1 no. extract fan.
4. Pantry
- (a) Lighting : (i) Corrosion resistant type fluorescent fittings.
- (b) Power : (i) 1 no. 13A switched sockets for general purpose at skirting level.
- (ii) Necessary power supply for oscillating fan.
- (iii) Necessary power supply for extract fan.
- (iv) 2 nos. 13A switched sockets for appliances at 200 mm above preparation table.

- (v) 1 no. 13A switched sockets for refrigerator at 1350mm AFFL.
 - (vi) 1 no. 15A switched sockets for water boiler at 200 mm above preparation table.
 - (vii) Necessary power supply for 6 kW instantaneous type electric water heater for sink.
- (c) PA System : (i) Speakers required.
- (d) Mechanical Ventilation : (i) 1 no. extract fan.
- (e) Appliances : (i) 400mm dia. oscillating fans (about 1 no. per 10m² of floor area approximately).
- (ii) 1 no. 3kW electric water boiler.
- (iii) 1 no. 6 kW instantaneous type electric water heater for sink.
5. Toilet for Male (a) Lighting : (i) Corrosion resistant type fluorescent fittings.
- (b) Power : (i) Necessary power supply for 1 no. extract fan.
- (ii) 1 no. 13A fused connection unit with switch and pilot light for hand dryer.
- (c) Mechanical Ventilation : (i) 1 no. extract fan.
- (d) Emergency Call Bell : (i) 1 no. water proof call bell push at near entrance and in each W.C. compartment and connected to control panel at Office.
- (e) PA System : (i) Speakers required.
- (f) Appliances : (i) 1 no. hand dryer.
6. Toilet for Female (a) Lighting : (i) Same as Toilet for Male.
- (b) Power : (i) Same as Toilet for Male.
- (ii) Same as Toilet for Male.

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| | (c) | Mechanical Ventilation | : | (i) | Same as Toilet for Male. | | | |
| | (d) | Emergency Call Bell | : | (i) | Same as Toilet for Male. | | | |
| | (e) | PA System | : | (i) | Same as Toilet for Male. | | | |
| | (f) | Appliances | : | (i) | Same as Toilet for Male. | | | |
| 7 | | Staff Toilet cum Disabled Toilet (unisex) | | (a) | Lighting | : | (i) | Corrosion resistant type fluorescent fittings. |
| | | | | (b) | Power | : | (i) | Necessary power supply for 1 no. extract fan. |
| | | | | | | | (ii) | 1 no. 13A fused connection unit with switch and pilot light for hand dryer. |
| | | | | | | | (iii) | Necessary power supply for fan heater. (at least 1 no. per 20m ² of floor area). |
| | | | | | | | (iv) | Necessary power supply for 18 kW instantaneous type electric water heater for shower. (not required if gas water is provided.) |
| | (c) | Mechanical Ventilation | : | (i) | 1 no. extract fan. | | | |
| | (d) | Gas | : | (i) | Gas supply for gas water heaters for shower. (not required if an instantaneous type electric water heater is provided.) | | | |
| | (e) | Emergency Call Bell | : | (i) | 1 no. water proof call bell push and connected to control panel at Office. | | | |
| | (f) | PA System | : | (i) | Speakers required. | | | |
| | (g) | Appliances | : | (i) | 1 no. hand dryer. | | | |
| | | | | (ii) | 1 no. 1.8kW/2kW fan heater. | | | |
| | | | | (iii) | 27 kW (approx.) gas water heater or 18 kW instantaneous type electric water heater. | | | |
| 8. | | Corridor and Circulation Area | | (a) | Lighting | : | (i) | General fluorescent fittings. |

- (b) Power : (i) Appropriate number of 13A switched sockets at skirting level.
- (ii) Power supply for electric shutter at main entrance.
- (c) PA System : (i) Speakers required.
- (d) Exit Sign : (i) To suit statutory requirements.

Notes:

1. Illumination levels shall follow the recommendations given in the Chartered Institution of Building Services Engineers (CIBSE) Lighting Guides.
2. Fluorescent lighting fittings shall be of batten type using electronic ballast, T5 or T8 fluorescent tube complete with high performance low glare aluminum louver or acrylic prismatic diffuser. Lighting switches shall be mounted at 1100mm above finished floor level unless otherwise specified.
3. Socket outlets for general purpose shall be 13A, switched type, installed at 500mm above finished floor level and at least one number per 6.5m² floor area unless otherwise specified.
4. Oscillating fans shall be of 400mm diameter with speed regulator, wall or ceiling mounted to suit the layout and about one number per 10m² floor area unless otherwise specified. They shall be connected to 2A fused connection units and separately controlled by 5A double pole switches.
5. Window-type or split-type air-conditioners with reverse cycle function are recommended for rooms entitled with both cooling and heating provisions. As such, the provision of radiators is not necessary. The air-conditioners shall be provided with terminal blocks and separately controlled by double pole switches of appropriate rating with pilot light.
6. Radiators shall be provided with 13A fused connection units and separately controlled by 20A double pole switches with pilot light.
7. Mechanical exhaust fans shall be provided with fused connection units and separately controlled by double pole switches of appropriate rating with pilot light.
8. The supply to hand dryers shall be by means of fused connection units complete with integrated 20A D.P. switches with pilot light.
9. Oscillating fans, radiators and other appliances with potential danger shall be mounted at a level out of the mentally handicapped persons reach.
10. Fire services installations shall be provided in compliance with the statutory requirements. Visual fire alarm system shall be provided.

11. The type of fuels (e.g. gas or electricity) quoted for the appliances (e.g. *gas* water heater) in these fitting out requirements is a recommendation only. The Operator / Authorised Person can have his own choice provided that the appliances selected have the same performance as the ones quoted in these fitting out requirements.