



## **CIVIL DEFENCE REASONS FOR “RETURN” ACTION ON YOUR APPLICATION**

Dear valued customer,

Your applications to Civil Defence will be REJECTED on DCD portal and RETURNED (Not CFR) on DM portal for ANY of the following violations and non-compliances. It is the responsibility of the consultants and contractors to follow the regulations, realize the violations and self-evaluate their projects to understand the reasons for REJECTION/ RETURN status of their application, before resubmitting to DCD.

Civil Defence shall REJECT/RETURN your application without any comment if following minimum requirements for submission are not complied.

Resubmissions without making corrections shall be fined.

### **1. CIVIL DEFENCE DRAWING SUBMISSION FORMAT**

- 1.1. All drawings should be submitted in DCD drawing submission formats (Please see DCD drawing submission requirements presentation on DM website)
- 1.2. Checklist shall be check marked fully.
- 1.3. Number of files, Colour coding, scale in meters, stair details, legends, file format, file names etc. shall all comply with the DCD drawing submission requirements presentation.
- 1.4. For warehouse/ storage occupancy / areas provide client letter detailing material stored, packing details, storage height and storage configuration. Architecture drawing must contain storage layout in plan and section drawing. All flammable / combustible, liquids / gases must be declared.
- 1.5. For factories/ industrial occupancy /areas provide client letter detailing the activity, process and machinery layout. All flammable / combustible, liquids / gases must be declared.
- 1.6. For modification, adjustments and refurbishment projects, application shall have DM/DCD stamped “AS APPROVED” and “AS REVISED” drawings floor wise. Modification must be clouded (red in “AS REVISED” and yellow in “AS APPROVED”). Scope of work shall be detailed in the modification near each clouding. Changes in client, occupancies, activities and storages (if any) must also be detailed.
- 1.7. Where LPG/NATURAL gas is not required in the building, owner’s letter stating the alternative cooking arrangements or non-requirement of LPG/NATURAL GAS shall be attached.
- 1.8. PRODUCT CATALOGUES, DCD MATERIAL LICENSES, COMPANY LICENSES, PRODUCT BROCHURES shall not be part of any applications or attachments.



## **2. ARCHITECTURE/ LIFE SAFETY DRAWINGS**

- 2.1. Fire access road shall be shown as per DCD drawing submission requirements presentation.
- 2.2. Fire Lift Lobby is mandatory for Superhighrise buildings (buildings having a height more than 90 m).
- 2.3. Generator room is mandatory for highrise buildings (buildings having a height more than 23 m).
- 2.4. Building stair shall comply with exit remoteness (  $1/3$  or  $1/2$  rule for stair separation distances) as required by UAE Fire and Life Safety Code of practice.
- 2.5. Half of the total number of building stairs shall discharge directly to outside the building through protected corridors.
- 2.6. Stair at discharge level shall have separation between upper floor exit and basement exit.
- 2.7. Fire pump room and water tank location and details shall be shown. Hatch entry to underground pump room is not acceptable. Standard stair access is required for underground pump rooms.
- 2.8. Fire rating of the walls for corridor, stair, LV rooms, substations, generator rooms etc. shall be shown in appropriate colours as per DCD drawing submission requirements presentation.
- 2.9. All floor plans shall be shown.
- 2.10. Sections shall be shown with heights of each level.
- 2.11. Stair details, stair steps shall be clearly shown. Winders are not allowed in stairs.
- 2.12. Exits, Exit corridors, Exit paths, Exit access routes shall be clearly shown in green color.

## **3. FIRE DETECTION, ALARM, VOICE EVACUATION AND EMERGENCY LIGHTING**

- 3.1. Follow legend, colour coding and required details as per DCD drawing submission requirements presentation.
- 3.2. Provide sounder based detectors at bedrooms.
- 3.3. Show control panel locations.
- 3.4. Provide riser diagrams showing all floors.
- 3.5. Central battery emergency lights must be cross zoned.



#### **4. FIRE PROTECTION**

- 4.1. Follow legend, colour coding and required details as per DCD drawing submission requirements presentation.
- 4.2. Legend shall show type of sprinklers.
- 4.3. Fire Pump and Water tank capacity shall be mentioned in the riser itself.
- 4.4. Provide riser diagrams showing all floors.
- 4.5. Provide vertical turbine pump if the water tank arrangement is negative suction for fire pump.

#### **5. SMOKE MANAGEMENT SYSTEM**

- 5.1. Follow legend, colour coding and required details as per DCD drawing submission requirements presentation.
- 5.2. Do not submit HVAC drawings.
- 5.3. Clearly show exhaust points and supply points with appropriate arrow marks.
- 5.4. Show clearly smoke control system ducting.
- 5.5. Show typical details of equipment
- 5.6. Provide riser diagrams showing all floors.

#### **6. LPG/ NATURAL GAS SYSTEM**

- 6.1. Follow legend, colour coding and required details as per DCD drawing submission requirements presentation.
- 6.2. Show LPG Tank location with separation distances clearly marked.
- 6.3. LPG Tank location, if is on roof, one standard building exit stair should reach that level. Cat ladders and spiral stairs to reach LPG tank location are not acceptable.
- 6.4. Show LPG routing for all floors
- 6.5. LPG Piping shall not cross exit corridors, exit routes, lift lobbies, living rooms, public spaces.
- 6.6. Vertical shafts for GAS piping shall be dedicated.
- 6.7. Show control panel and gas detectors locations
- 6.8. Provide riser diagrams for all floors
- 6.9. Show equipment details