FIRE ENGINEERING CHECKLIST EDC



ELECTRICAL PACKAGE

Has a secondary power supply been provided to each item of life safety equipment?	Yes	No	N/A
Is the secondary supply compliant with the relevant standards?	Yes	No	N/A
Are both primary & secondary supplies sufficent to meet the electrical demand of all life safety equipment which is required to operate simultaneously?	Yes	No	N/A
Are diverse routes being achieved for each item of life safety equipment?	Yes	No	N/A
Have fire rated cables been specified for primary & secondary supplies to life safety equipment?	Yes	No	N/A
Has LD1 detection been included for apartments that require sprinkler protection?	Yes	No	N/A
Is fire detection to ancillary areas in line with fire strategy?	Yes	No	N/A
Has the secondary supply strategy been discussed & agreed with the approved Inspector?	Yes	No	N/A
Has consideration been given to installation of a supplementary Evacuation Alert System?	Yes	No	N/A
Has a cause & effect been produced to reflect requirements set out within the fire strategy?	Yes	No	N/A
Within LD1 apartments, has smoke detection been designed to all services cupboards & any storage cuboards greater than $1 m^2$?	Yes	No	N/A
Has void detection been designed within voids >800mm?	Yes	No	N/A
Has a maintenance bypass switch been specified for each ATS?	Yes	No	N/A
Have sufficent Interfaces been allowed for throughout for items such as lift, BMS, AOV, Access Control?	Yes	No	N/A
When sizing primary & secondary supplies to commercial sprinkler pumps, has locked rotor current been considered?	Yes	No	N/A
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MECHANICAL PACKAGE Is there a requirement fire rated duct-work or durasteel anywhere within the building, has Yes No N/A this been accounted for? 2. Have fire collars been included on vertical & horizontal SVP's & RWP's where pipes penetrate Yes No N/A fire barriers? 3. Have fire collars been included on ductwork within apartments where ducts penetrate fire N/A Yes No barriers? 4. Has the volume of water required for residental sprinklers been accommodated within the N/A Yes No calculation for the BCWS tank & pumps? Car park ventilation can be natural, mech or hydbrid. Has CFD been carried out by an 5. Yes No N/A approved Assessor to demonstrate efficiency and building control compliance? Is it a requirement for the car park smoke ventilation system to supplement car park CO 6. Yes No N/A ventilation also? 7. Has the ventilation requirements to fire protected lobbies been accommodated? Yes No N/A 8. Has the ventilation requirements to bin stores been accommodated? Yes No N/A 9. Is the corridor smoke extract system also required to provide environmental ventilation? N/A Yes No 10. Has CFD been carried out for mechanically smoke vented areas? Yes No N/A Are fire dampers specified & have they been located on the ventilation drawings as per fire 11. Yes No N/A strategy? **NOTES**

SF	PRINKLERS PACKAGE			
1.	Is there a requirement for sprinklers to corridors & ancillary areas?	Yes	No	N/A
2.	Do you have a minimum of 150mm clear void within the apartment to accommodate sprinkler heads?	Yes	No	N/A
3.	Is LPCB certification required for the sprinkler installation?	Yes	No	N/A
4.	Have dry risers been provided with a test valve and an automatic air vent at roof level?	Yes	No	N/A
5.	Do lateral dry riser pipe runs include a fall to allow draining of test water?	Yes	No	N/A
6.	Does your building have a requirement for commercial sprinkler system?	Yes	No	N/A
7.	Has space been allocated for a commercial sprinkler tank?	Yes	No	N/A
Bl	JILDERS PACKAGE			
1.	Has an allowance been made for fire rated connections through external walls to the facade?	Yes	No	N/A
2.	Are fire fighting shafts clear of MEP risers & distribution?	Yes	No	N/A
3.	Has the dry riser location been agreed & is compliant with fire brigade setting out requirements?	Yes	No	N/A
4.	In naturally vented car parks, has the size & location of openings been agreed with fire engineer & architect?	Yes	No	N/A
5.	Do wall build ups comply the the minimum fire rating as set out within fire strategy?	Yes	No	N/A
6.	Is the smoke ventilation strategy to the upper floors designed in line with the requirements set out in the fire strategy?	Yes	No	N/A
7.	Have appropriate measures been taken to avoid flooding of fire-lift pits?	Yes	No	N/A
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PLEASE NOTE: EDC takes no liability for any company using this risk assessment template.