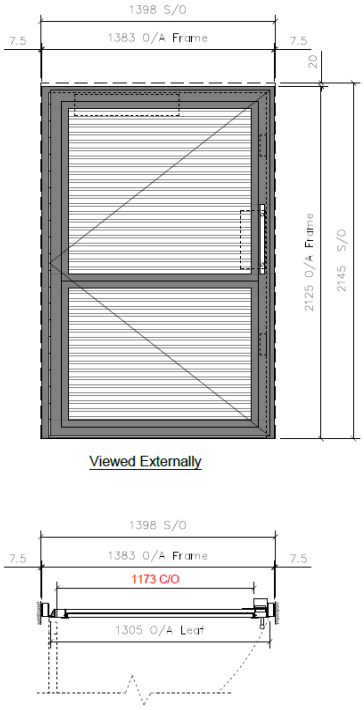
Door Specifications – LOUVRED DESIGN



Louvre designed doorsets are used to permit free air flow for a number of reasons – to discharge build- up of odours from refuse stores, exhaust from underground car parks, ventilation for plant and machinery etc. and a very commonplace product in all applications – Housing, Education, Commercial and Industrial locations.

SECURITY CONSIDERATIONS: - Louvred designed doorsets however are probably the weakest design of door to prevent illegal entry, vandalism due to the general construction of the louvre blades, which may be reinforced by vertical supports however still relatively easy to damage or overcome to gain entry.

COMMON USAGE: The most common application of Louvre Doors is to Refuse Stores and due to the current need to remove large communal dumpster bins, the further design requirement for this usage, to use Double Doorsets, further weakens the security performance (and increases product costs)

SOLUTION: - NEOS Protect Ltd has successfully tested their louvred doorset to STS20 BR2 level of security to fully meet Building Regs AD Part Q and **Secured by Design** compliances.

NEOS Protect recommends that in lieu of double doorsets, a single wide doorleaf product is installed, this reduces costs, increases security (no passive leaf to be manually unlocked and re-locked, a constant issue is relying upon human action to re-secure the door) and less susceptible to forced entry attempts.

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2)

The large 1100 litre wheelie bin below, which can incorporates swivel wheels and can be effortless manoeuvred has overall dimensions of 1373mm wide x 1354mm height x 1073mm depth (with side handles).

Image showing 1100 litre Wheelie Bin

Usage: - large industrial or commercial businesses that produce a considerable amount of waste.

NEOS Protect therefore can manufacture a Single Louvre Doorset to offer a clear opening width of - 1073mm (bin depth) plus 100mm clearance for safe usage by refuse collectors = 1173mm.

The door will include a manual door closer to securely self-close the door without relying upon 3rd party involvement.

In accordance with AD Part Q and **Secured by Design** "Homes 2016" Design Guide, the door will be secured on powerful electromagnetic locking with access into the refuse store allowable only to authorised users. Tenants will use their issued fobs for external entry, which may also be monitored to record activity. Refuse collectors to use an issued master fob for access.

Building layout may include an internal access door for tenants to discharge their refuse into the wheelie bins; however this route into the building core should be protected with an appropriate SBD Approved External Door (ie STS202 BR2 Level of Burglary Resistance)

SUMMARY

The wide leaf single doorsets as described above will reduce costs, are user friendly by the refuse collector, will self-close and self- lock. This will maintain the secure integrity of the building from arson, anti-social activity and generally offer a more efficient and reliable operation over an extended lifespan than a similar double doorset may offer.