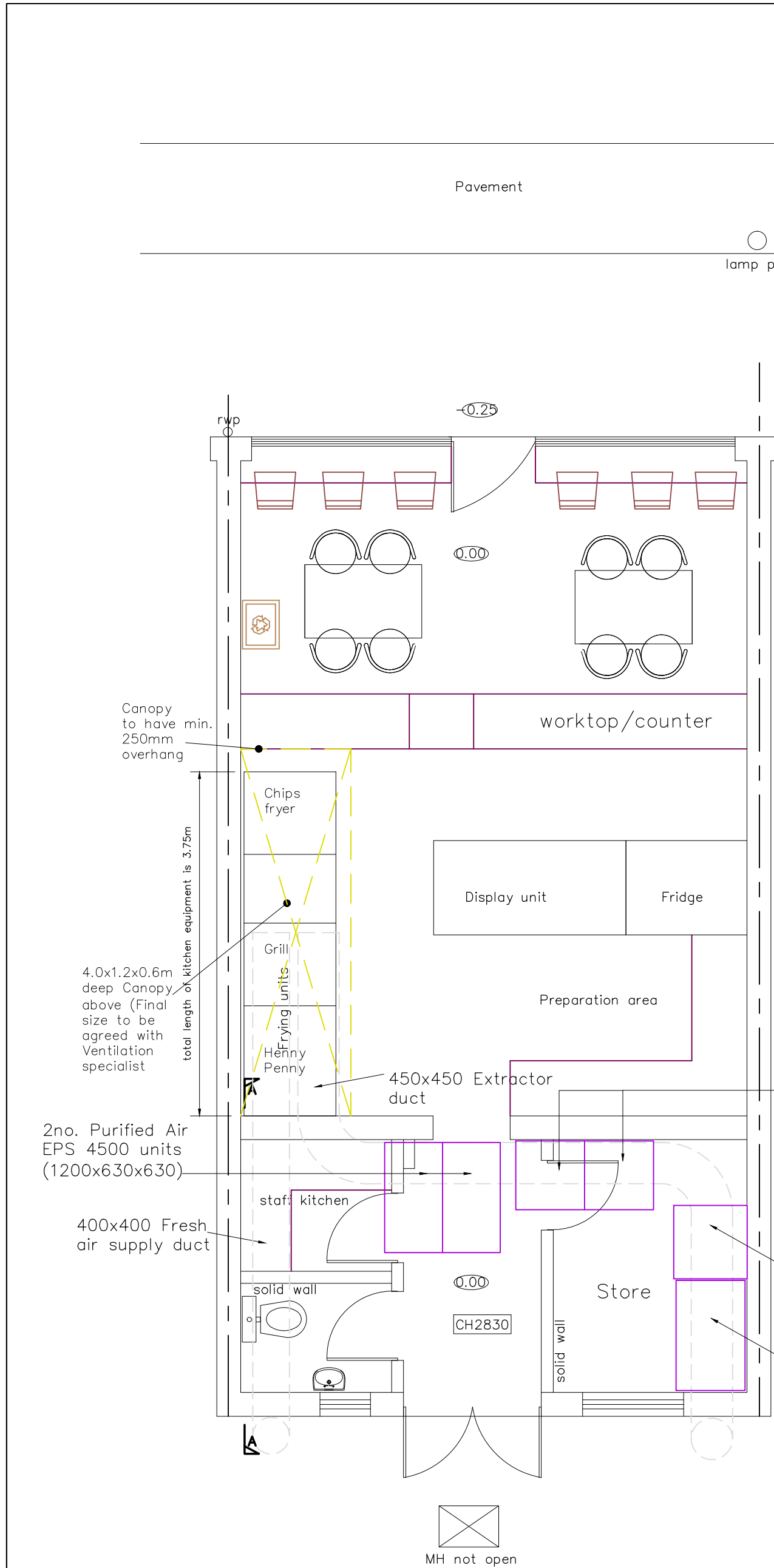
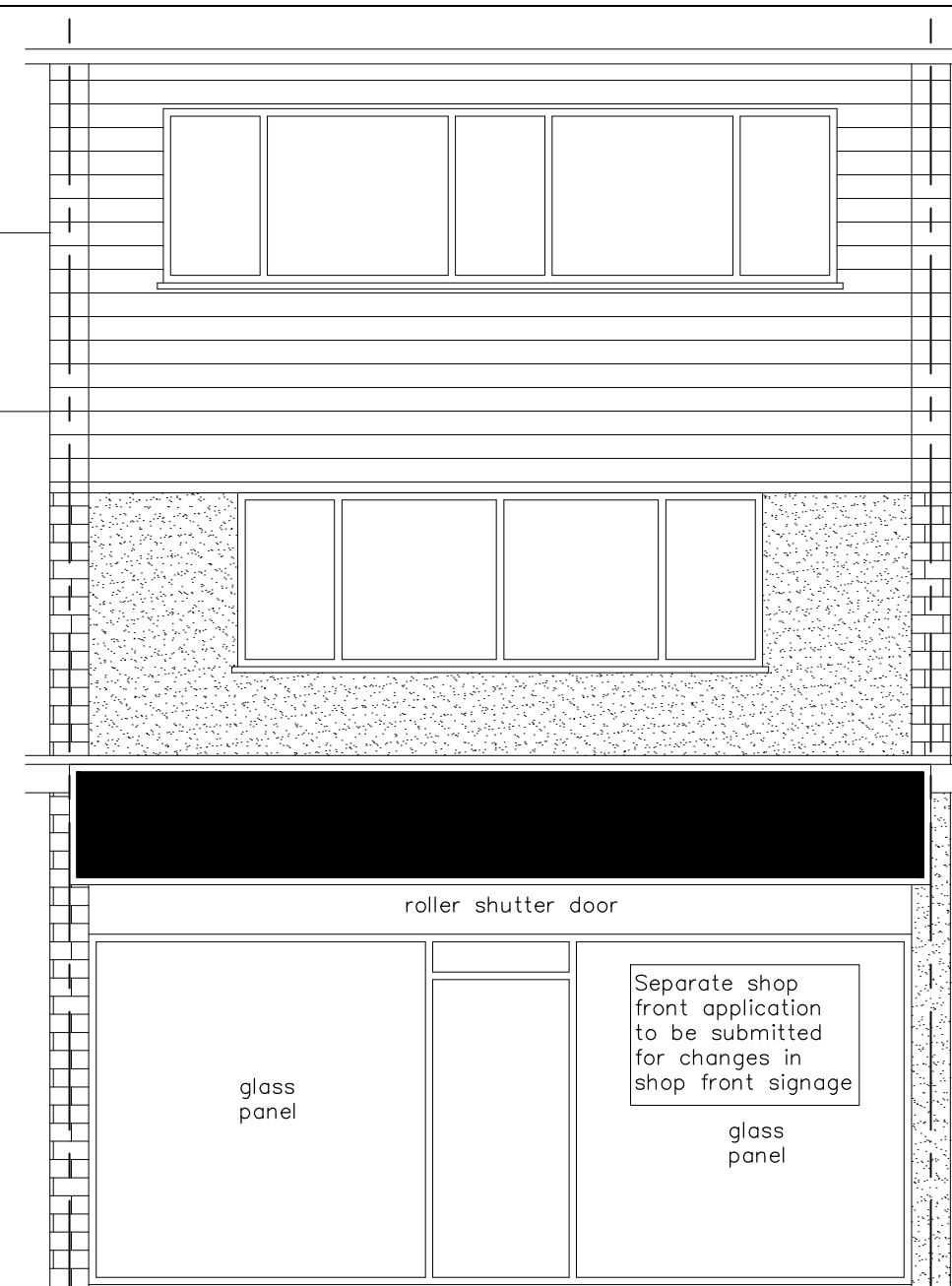
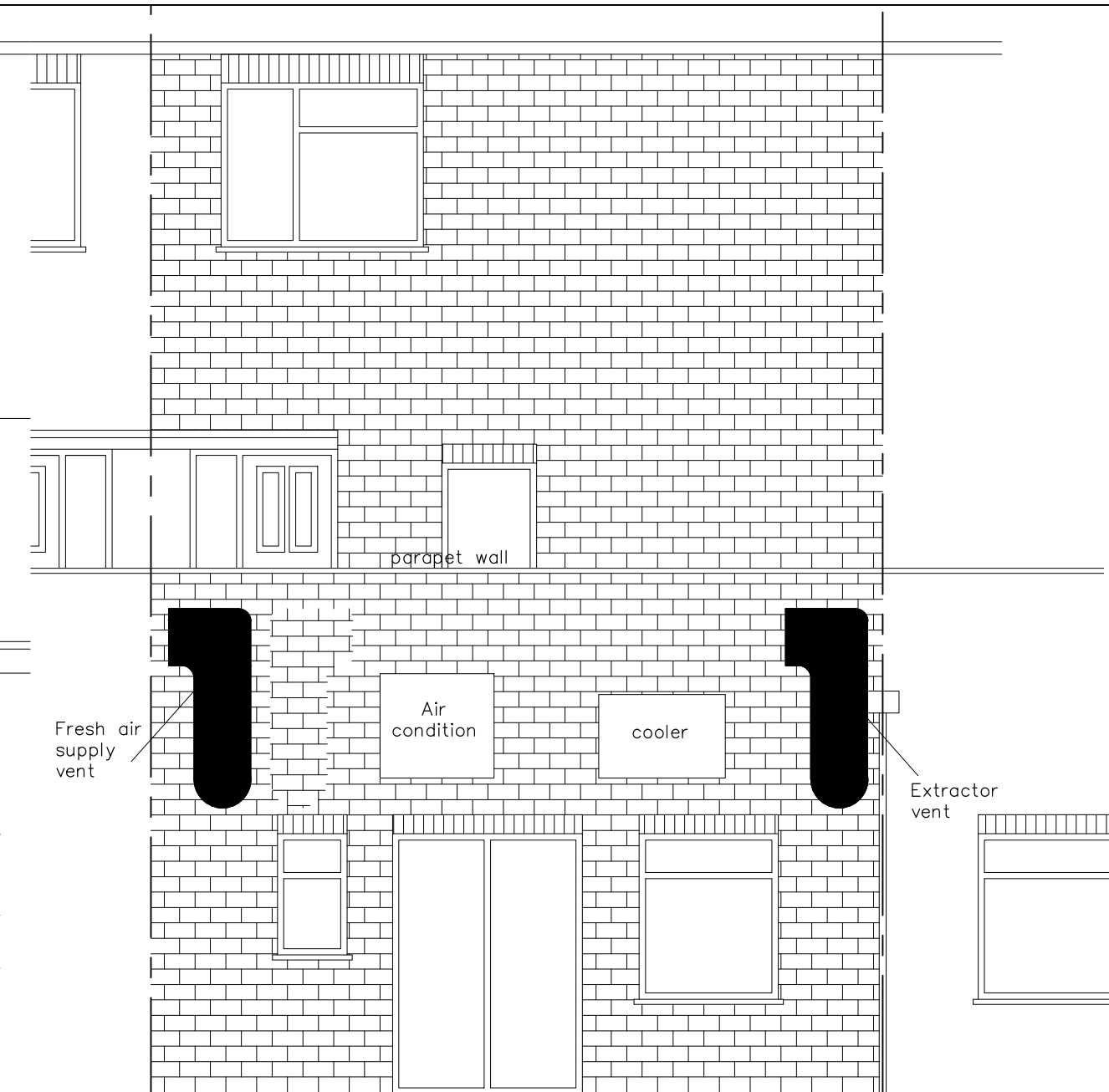




PROPOSED GROUND FLOOR PLAN
SCALE 1:50



PROPOSED FRONT ELEVATION
SCALE 1:50



PROPOSED REAR ELEVATION
SCALE 1:50

DW172 requirements for Kitchen Extraction Ducting

Kitchen Extraction Ducting The correct standard of ductwork selected to complete a canopy installation is as important as the selection of the canopies themselves. All ductwork shall be in accordance with DW/144 specification.

When designing a kitchen supply/extract system the duct velocities shall be followed.

Eg: Main Run
-Supply: 6-8m/s
-Extract: 6-9m/s
Branch Run
-Supply: 4-6m/s
-Extract: 5-7m/s

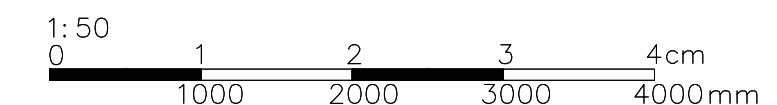
Discharge points shall be positioned such that extracted air cannot be entered into a supply system. The ductwork shall discharge at least 1.0m above any openable window. The discharge terminal shall be open without mesh and designed to achieve an exhaust or efflux velocity of 12-15m/s, or as required by the local authority. The use of cowls which have the potential of downdraught and risk re-entry of the extracted air back into the building should not be used.

Canopy specification
Kitchen ventilation canopy shall be to specialist design, measuring 4000x1200x600. The canopy is designed in generally in accordance with DW/171. The canopy contains full length stainless steel grease filter housing. The canopy will be constructed from 1.2mm(180) thick, grade 304 stain finish stainless steel and have an all welded construction with a 50x25 perimeter condense channel. All joints and beams shall be fully welded and/or liquid tight. 5 off 500x400 heavy duty washable aluminum type grease filters are provided and drain holes punched in the bottom leading edge. Removable stainless steel grease collecting draws shall be provided within the apron of the filter housing.

For Carbon Filter details, refer to attached Airgard Type B Carbon filter specification. Noise level to be kept to low by installing a silencer and fan will be mounted on anti-vibrant mounts and canvas connections to remove transmission noise.

Fresh Air supply to kitchen will be achieved by installing 400x400mm duct with a 1400 rpm centrifugal fan along with an air filter. Heating mechanism is required to temper the air in winter.

Rev. A - Kitchen extractor duct route & individual component added. 20 Apr. 2018



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Drawing Title
PROPOSED FLOOR PLANS AND ELEVATIONS

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Drawn
NR **APR 2017**

Checked
RN

Scale
1:50 Size
A2

Project No.
KKR-897 Drawing No.
B-02 Rev.
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