

KEY PLAN

MAIN STEEL STRUCTURE & UPSTAND
POSITION VERIFIED VIA BIM MODEL
(17/12/18)

THERMAL REPORT FOR GROUND
FLOOR NORTH ISSUED 11/01/2019
(KXC-S1-001-Y-3135-904-TR202)

DO NOT SCALE : IF IN DOUBT ASK!

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Signed: G. Benson
Date: 17/12/18
Internal
Quality Check

002	CC	CC	18-01-19	CONSTRUCTION ISSUE	18-01-19
001	CC	CC	11-12-18	UPDATED FOR SCR-05 & COMMENTS	11-12-18
000	MJ	MJ	20-06-18	FIRST ISSUE	20-06-18

No.	Intd	Date	Description	Date

Contract: KINGS CROSS S1

Architect: MOSSESIAN

Main Contractor: BAM

Drawing: NORTH ELEVATION GND
ELEVATIONS, SECTIONS, PLANS & DETAILS

Drawn By: M.Jess Date: 20/06/2018

Scale: 1:10 @ A3 MFL No.: 3135-646

DMS Code: KXC-S1-001-Y-3135-21-646 Revision: 002

DRAWING ISSUED FOR: STATUS OF
PREVIOUS RETURN

CONSTRUCTION A B C -

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A Dia 25mm hole has an area = 0.00049087m²
120 number holes give an area = 0.0589044m² x 2 panels = 0.11m²

Briggs & Forrester have confirmed the following -

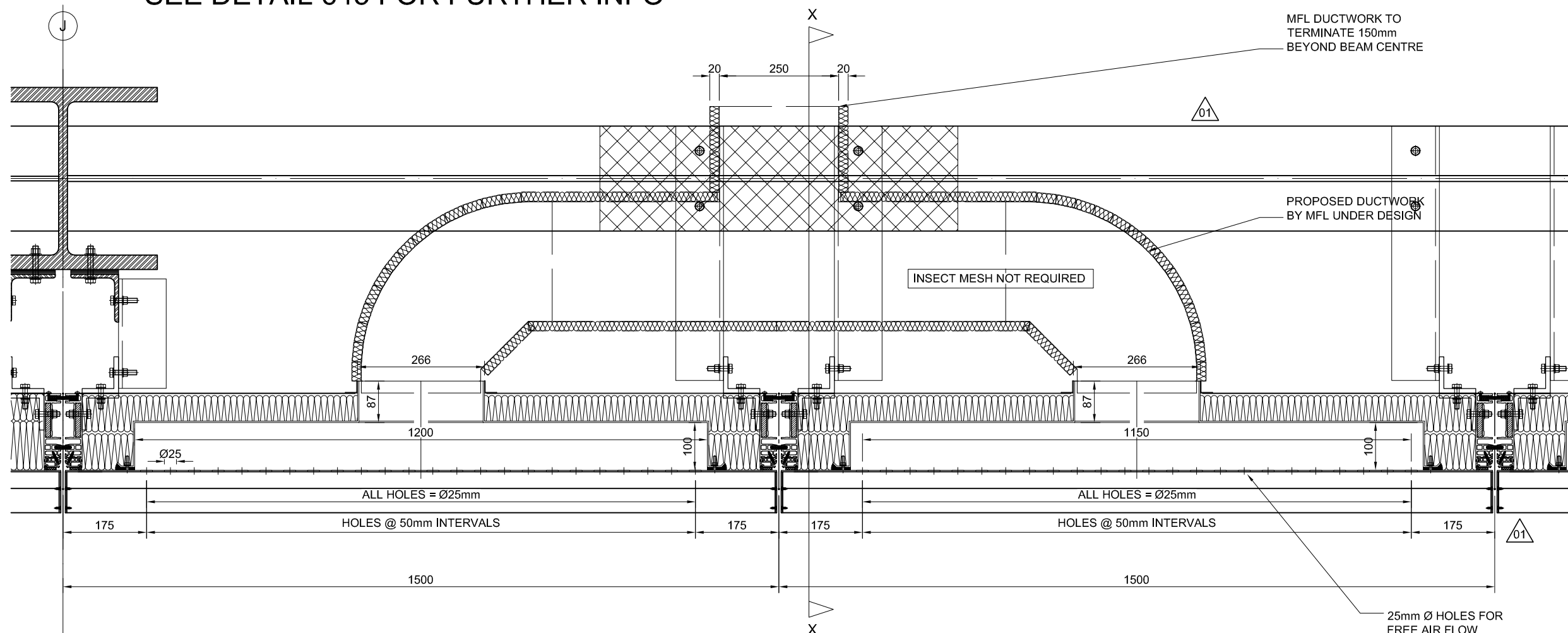
For retail area A1 - Max free area required per 2 panels = 0.057m²
For retail area A3 - Max free area required per 2 panels = 0.099m²

MFL have worked on the larger free area for A3 retail and can confirm
the designed layout below provides a free area of 0.11m² which exceeds
the requirements of A3. MFL's intention is to use this hole arrangement of
24 holes across x 5 holes high - providing 120 holes of 25mm dia in all
panels located on the North elevation.

The box design ensures free air flow and also prevents any water
from entering the main duct and allows any water penetration through the
25mm dia holes to drain externally - see vertical section showing air flow
and drainage lines.

PROPOSED INTAKE BOX
TO BE CONSTRUCTED
WITHIN MFL UNITISED
FACADE

SECTION X-X SEE DETAIL 645 FOR FURTHER INFO



01 DUCT DETAIL Scale: 1:10@A3