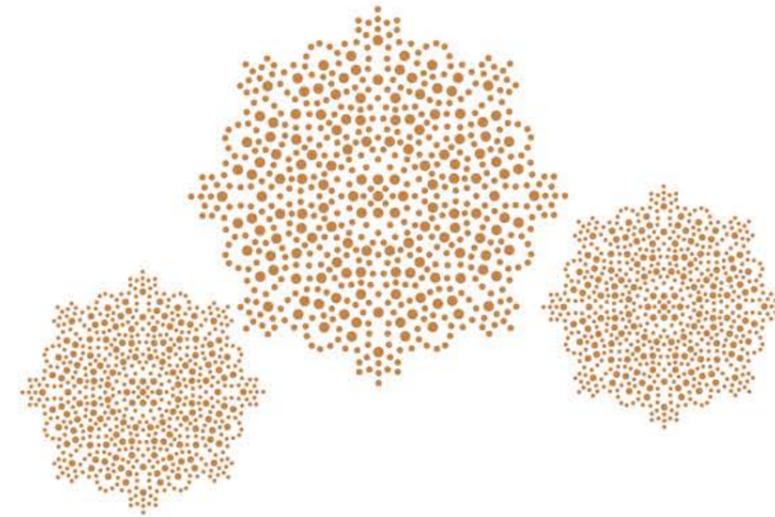


ARCHER HUMPHRYES ARCHITECTS

Presentation of duct to AV room and various options of possible re-route
Date: 30 – 09 – 2022



Photos and sketch of current condition - CURRENT

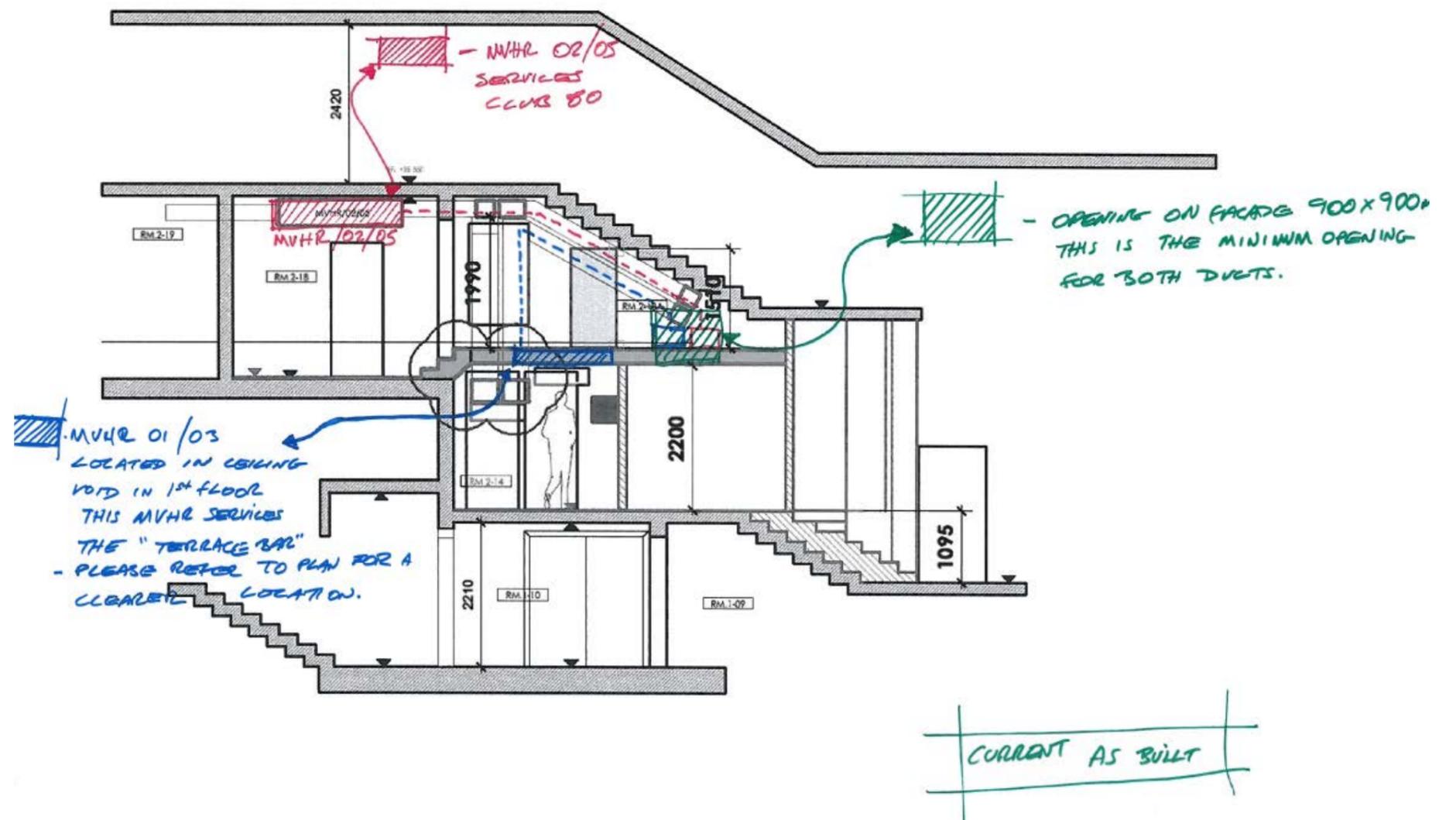
1. CURRENT condition duct going through the AV room.



Image 2: Double height space converted into AV room – As built



Image 6: Current location of MVHR 01/03 shown in Blue, this is currently now closed in by new listed decorative ceilings.



DUCTS TO TRAVEL TO ROOF FROM CURRENT AV ROOM – 2 18A - Option 1

2. Option ONE

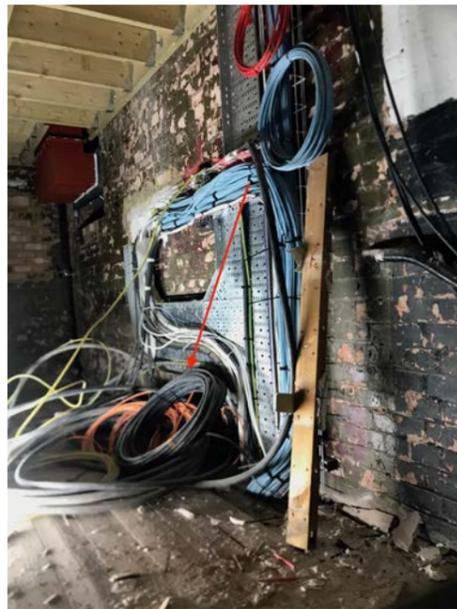
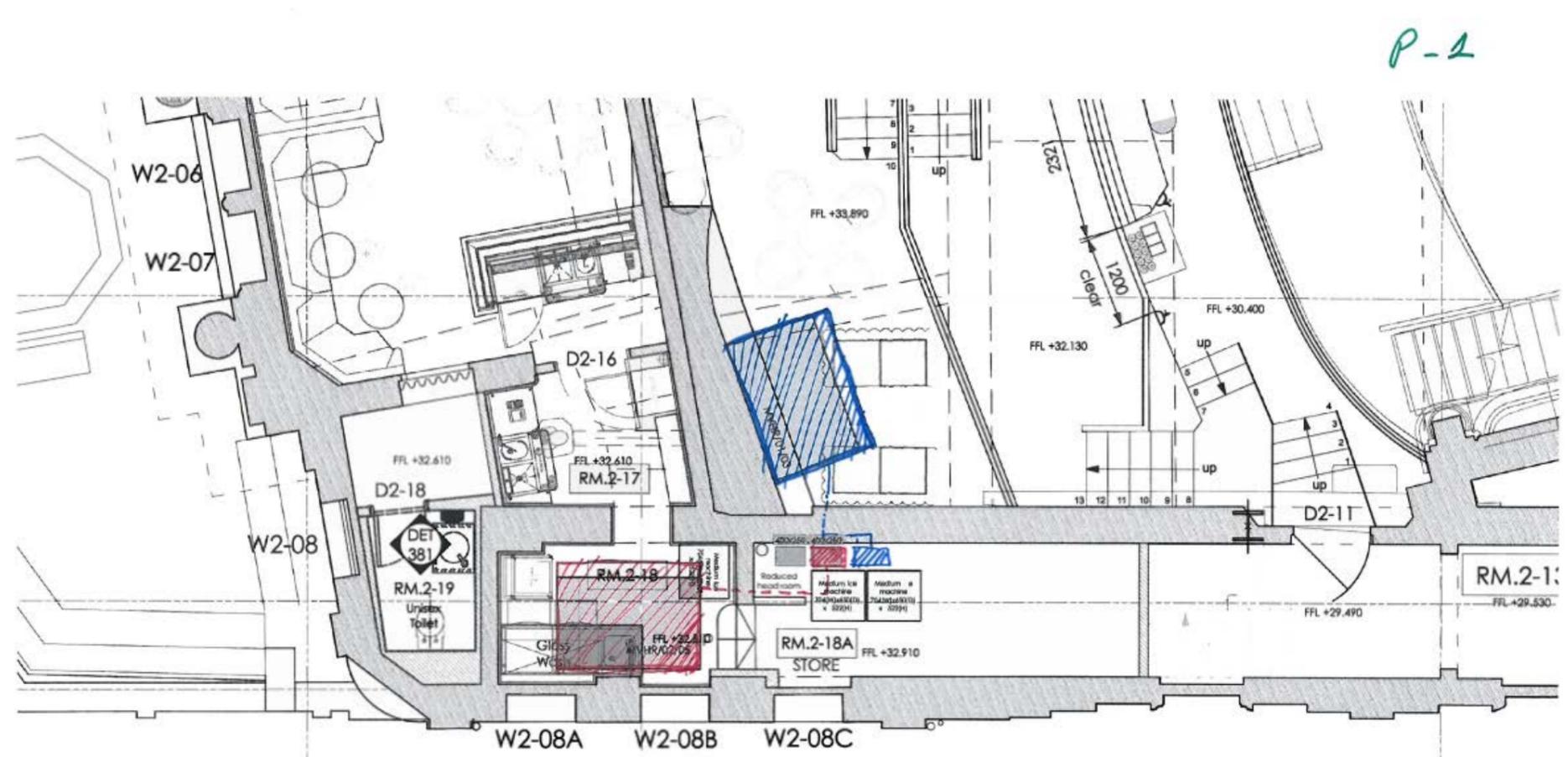


Image 3: Lower part of AV room



Image 6: Current location of MVHR 01/03 shown in Blue, this is currently now closed in by new listed decorative ceilings.



[Red hatched box] - MVHR /02 /05 - OPTION 1 TO GO UP - TO ROOF LEVEL
 - DUCT TO TRAVEL UP - OPENING ON STAIRS + ROOF

[Blue hatched box] - MVHR /01 /03 - OPTION 4 TO GO UP - TO ROOF LEVEL
 - DUCT WORK TO TRAVEL UP - OPENING ON EXISTING CORRIDOR FIRE STAIRS.

[Green box] OPTION 1

P-1

DUCTS TO TRAVEL TO ROOF FROM CURRENT AV ROOM - 2 18A - Option 1

P-2

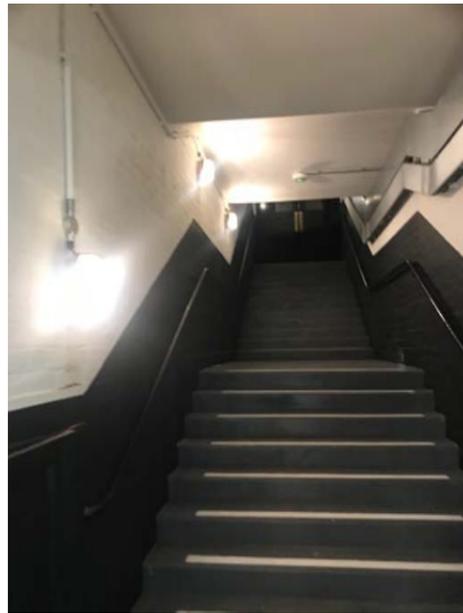


Image 4: Escape stair shown here with electrical tray on the right shown on the sketch as pink route.

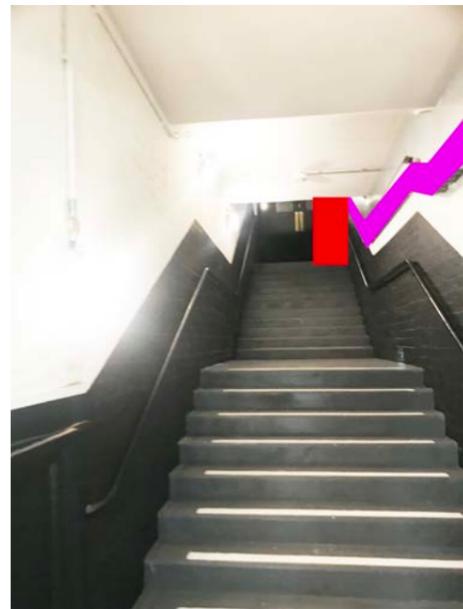
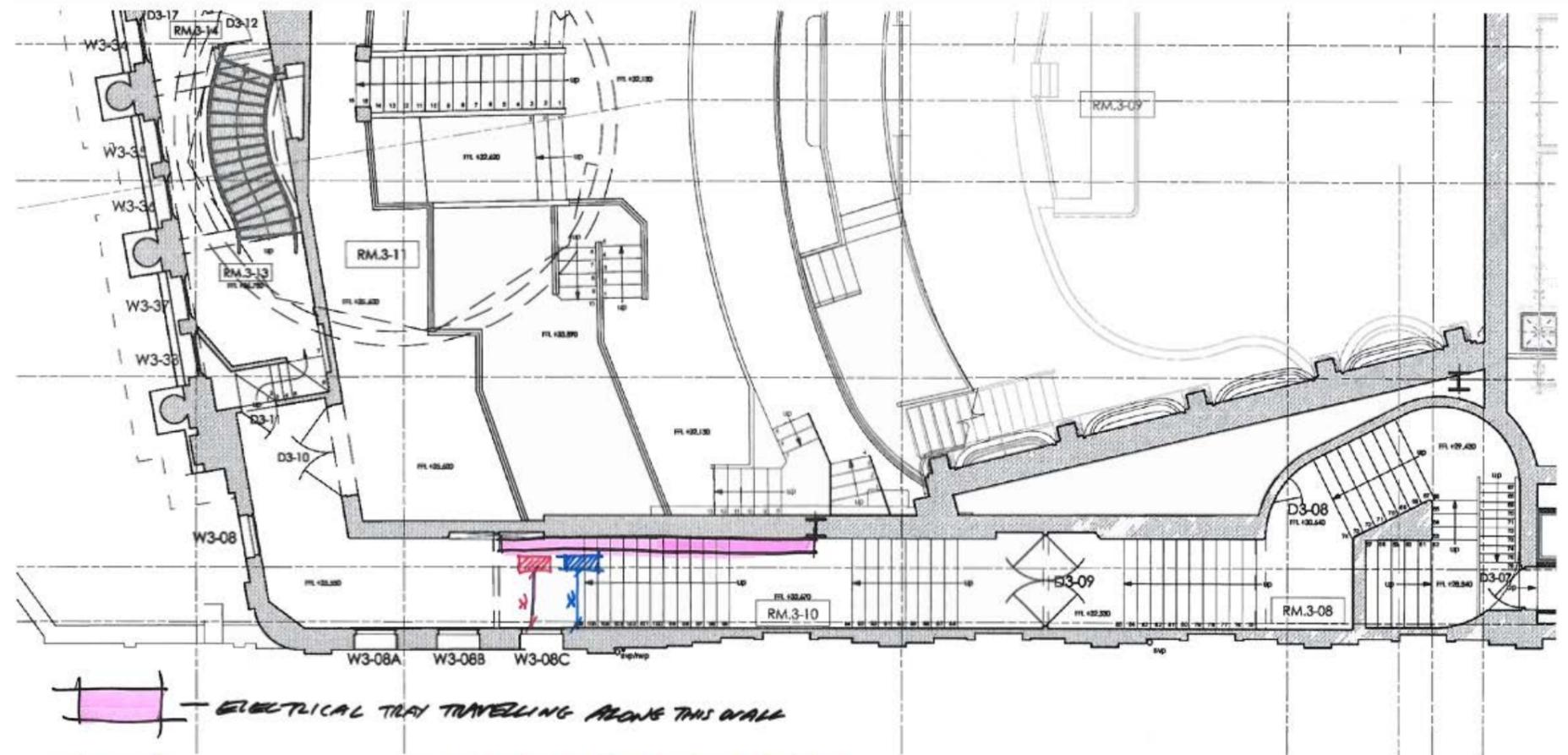
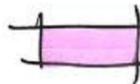


Image 5: Pink line shows electrics - RED duct location in schematic depiction.



 - ELECTRICAL TRAY TRAVELLING ALONG THIS WALL

 - DUCT WORK TO TRAVEL FROM BELOW GOING THROUGH A CONCRETE STAIR - MAIN ESCAPE STAIRS - A.TE ESCAPE ROUTE
 1/2 DIMENSION OF STAIR WILL BE MADE NARROW IF DUCT TRAVEL THROUGH STAIRS TO ROOF - RESTRICTING ESCAPE ROUTE.

 - SAME AS BLUE NOTE ABOVE.

OPTION 1

DUCTS TO TRAVEL TO ROOF FROM CURRENT AV ROOM - 2 18A - Option 1

1. Option ONE

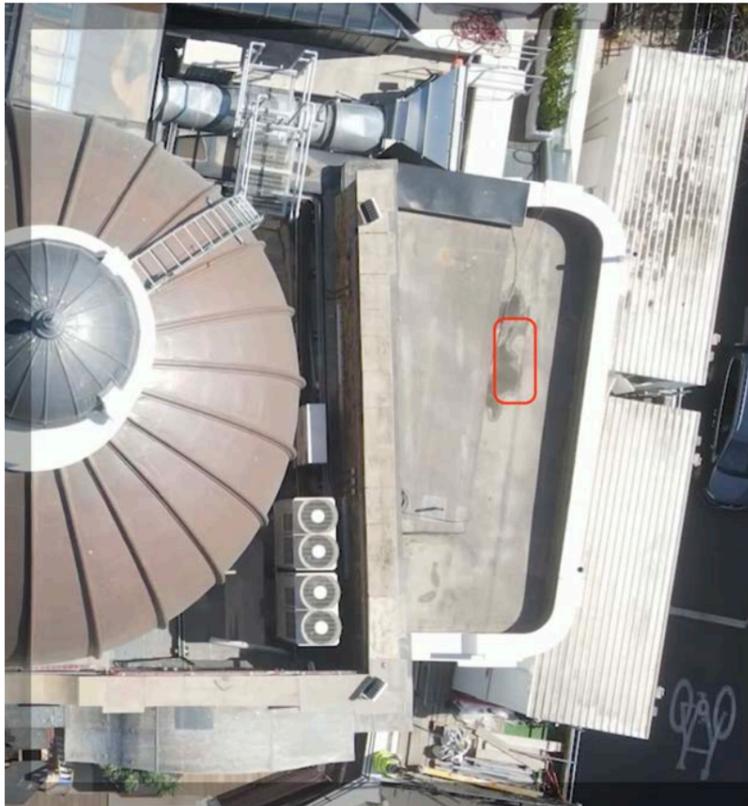
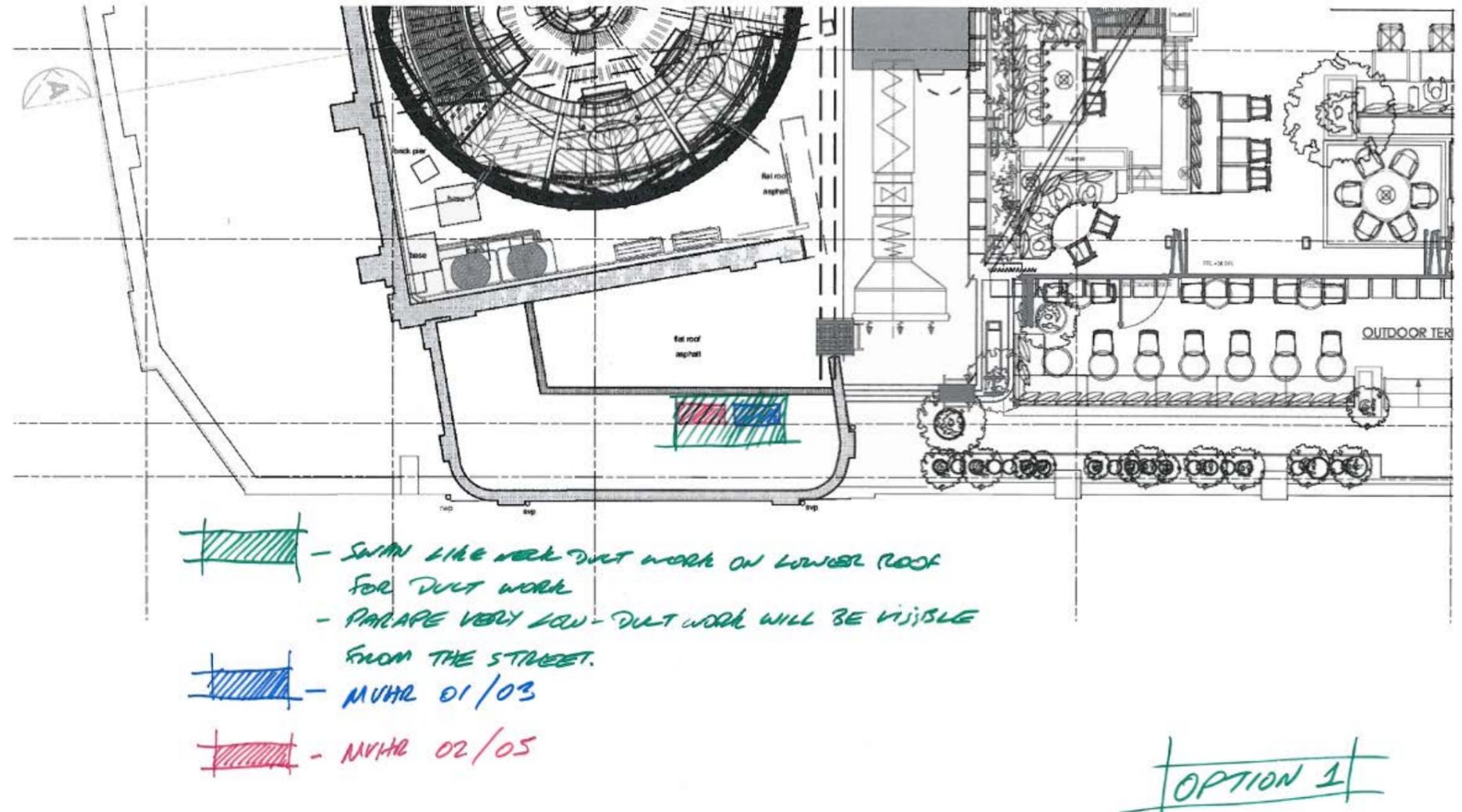


Image 5: RED area shows potentially duct penetration through roof slab.

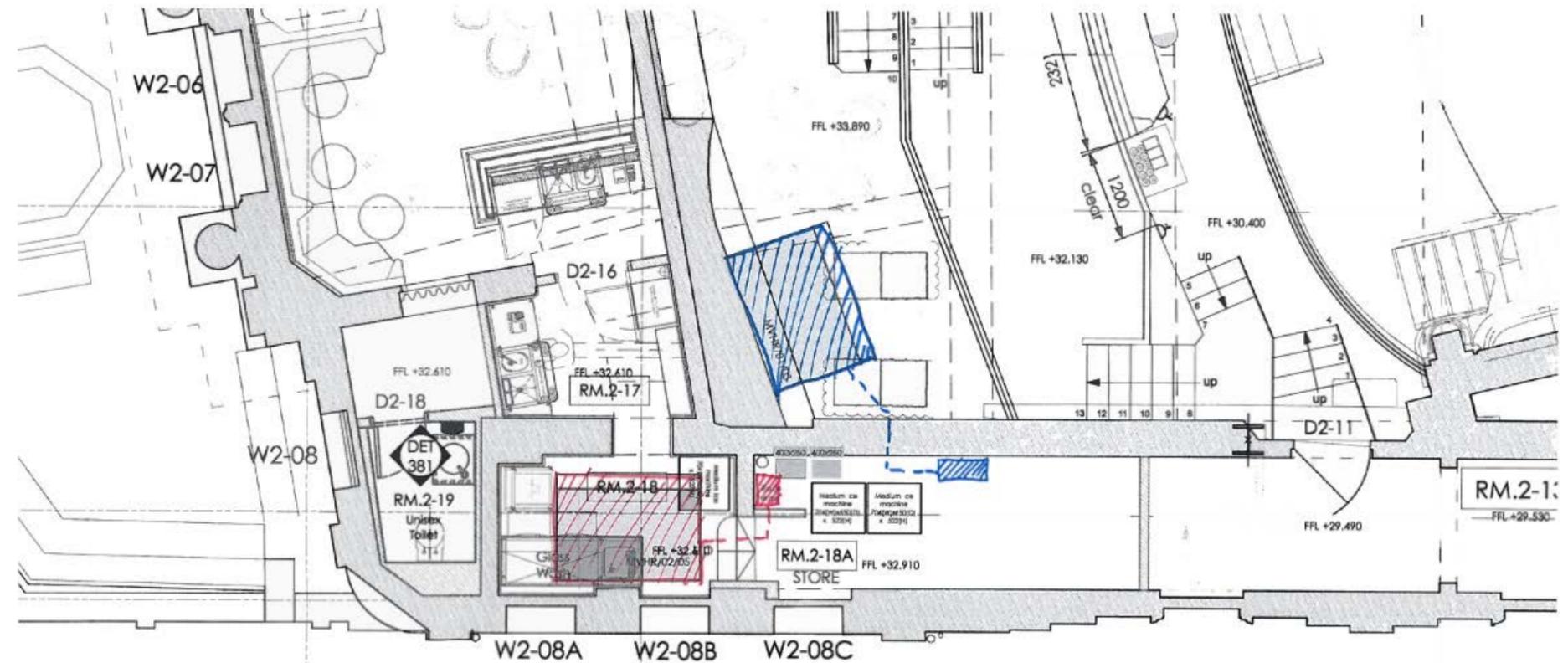


DUCTS TO TRAVEL TO LOWER ROOM - Option 2

1. Option TWO



Image 6: Current location of MVHR 01/03 shown in Blue, this is currently now closed in by new listed decorative ceilings.



 - MVHR 01/03 OPTION 2 TRAVELLING TO LOWER LEVEL WINDOW FOR EXTRACT

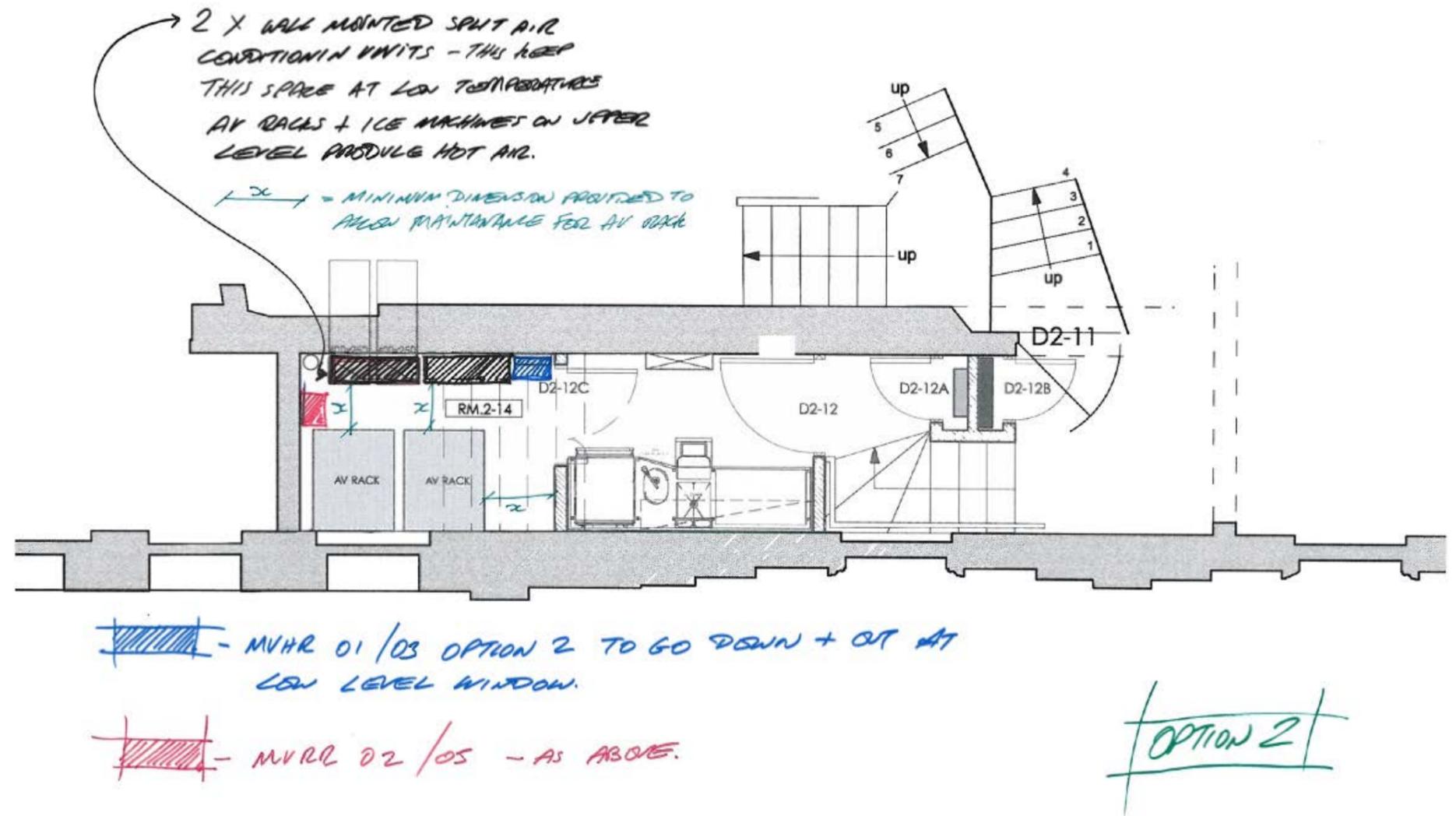
 - MVHR 02/05 - AS ABOVE.

OPTION 2

1. Option one



Image 6: Window in corridor below the AV room
 We cannot penetrate these windows as they are listed painted glass. Please refer to the image below. Therefore we would have to go to a level below.

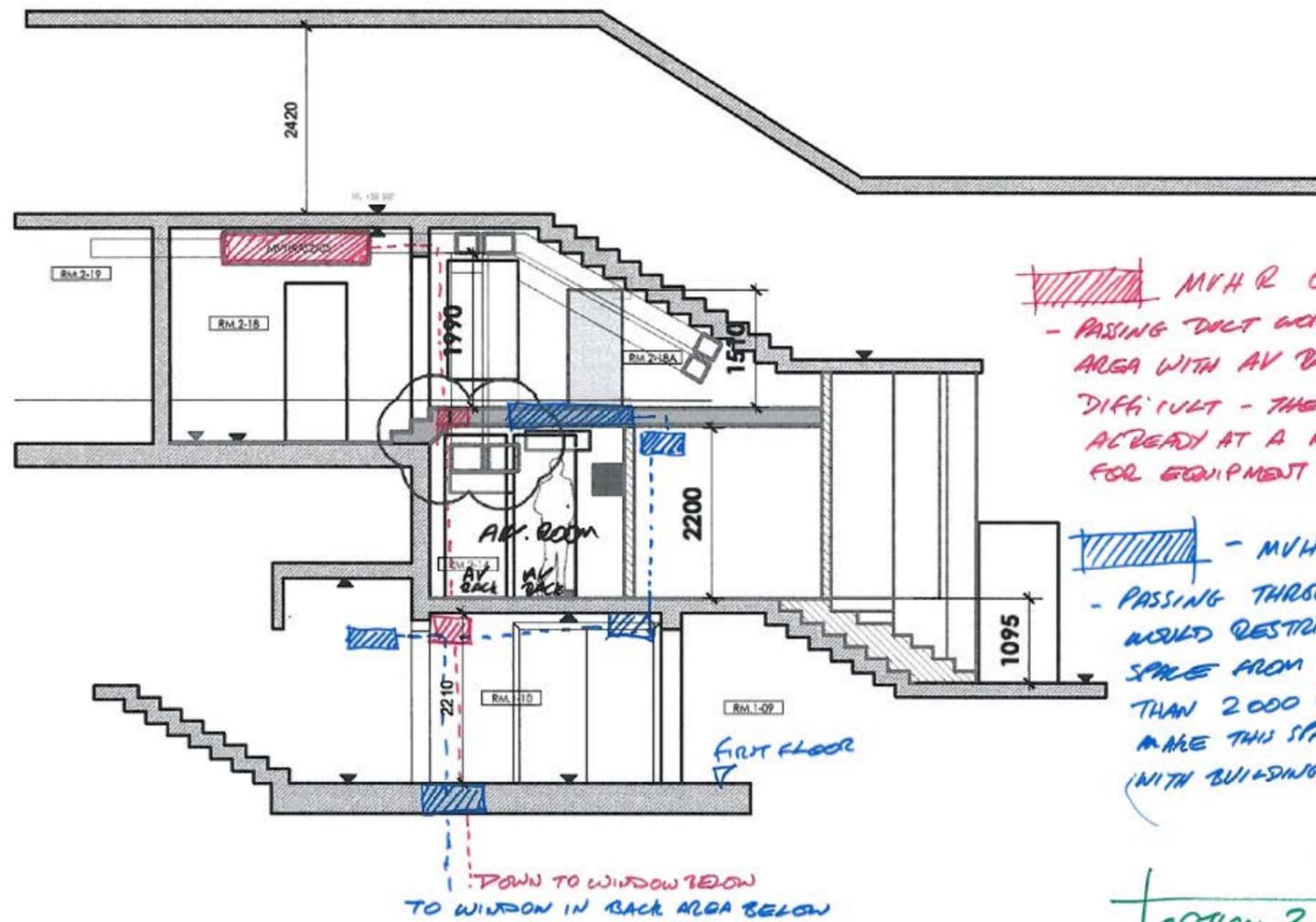


DUCTS TO TRAVEL TO LOWER ROOM - Option 2

1. Option one



Image 6: Window in corridor RM – 10 below the AV room in first floor shown on sketch.
 We cannot make opening on these windows as they are listed painted glass. Therefore, we would have to go to a level below. Please see comments below on this option from consultants.



MVHR 02/05
 - PASSING DUCT WORK IN RESTRICTED AREA WITH AV RACKS SEEMS TO BE DIFFICULT - THESE AREAS ARE ALREADY AT A MAXIMUM CAPACITY FOR EQUIPMENT + MAINTENANCE.

MVHR 01/03
 - PASSING THROUGH FIRST FLOOR WOULD RESTRICT THE AVAILABLE SPACE FROM 2210 TO LESS THAN 2000 WHICH WOULD BE MAKE THIS SPACE NON COMPLIANT WITH BUILDING REGULATIONS.

OPTION 2