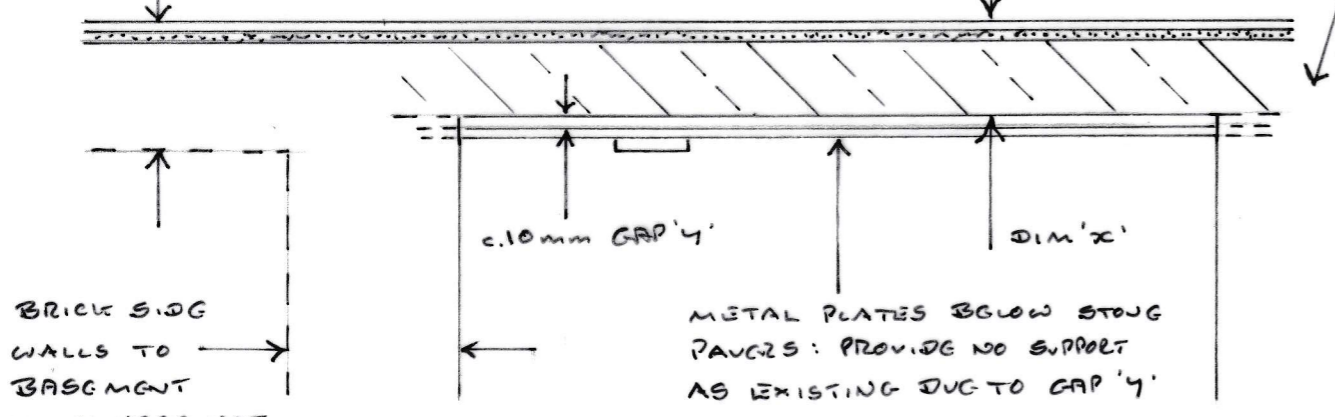


ARCHAEOLOGICAL WATCHING BRIEF REPORT DESCRIBES GENERAL FLOOR BUILD UP AS CLAY TILES ON BEDDING MORTAR OVER CONCRETE SLAB (THICKNESS VARIES 100-150mm) OVER LOOSELY COMPACTED SANDY GRAVEL.

STONE PAVES VISIBLE ON SOFFIT OF CEILING TO BASEMENT AREA. MEASURED SURVEY INDICATES DIMENSION 'x' = 120mm.

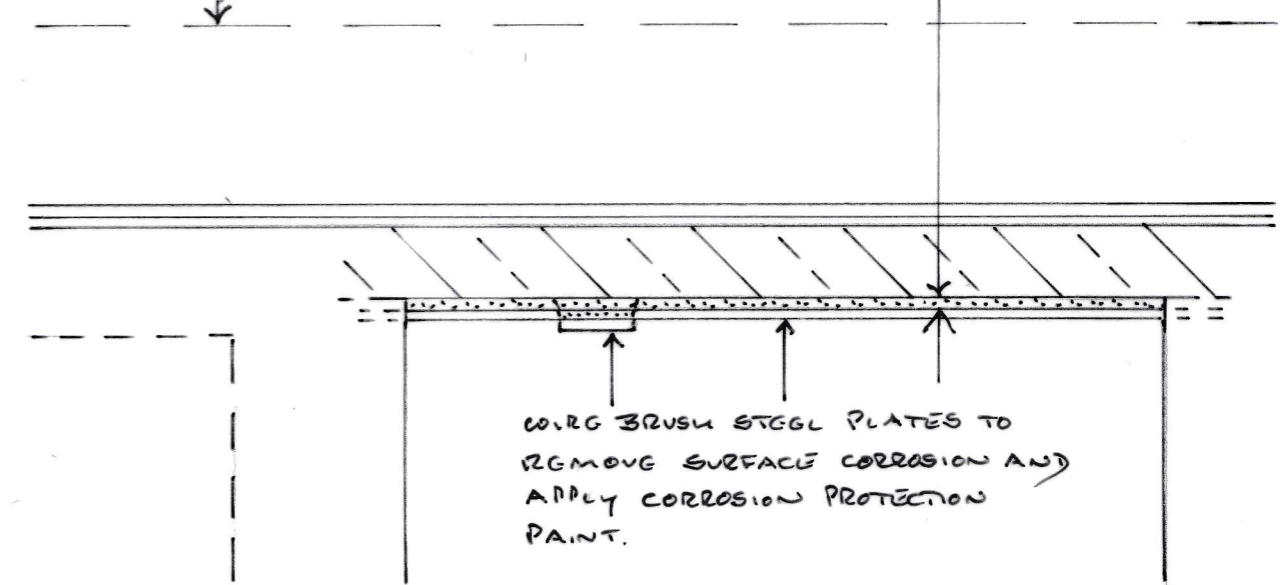
JUNCTION OF FLOOR TYPES WITH WALL UNDER NOT CLEAR.



EXISTING FLOOR DETAIL OVER BASEMENT

NEW RAISED FLOOR IMPOSES NEW DEAD LOAD OF C. 2.5kN/m²

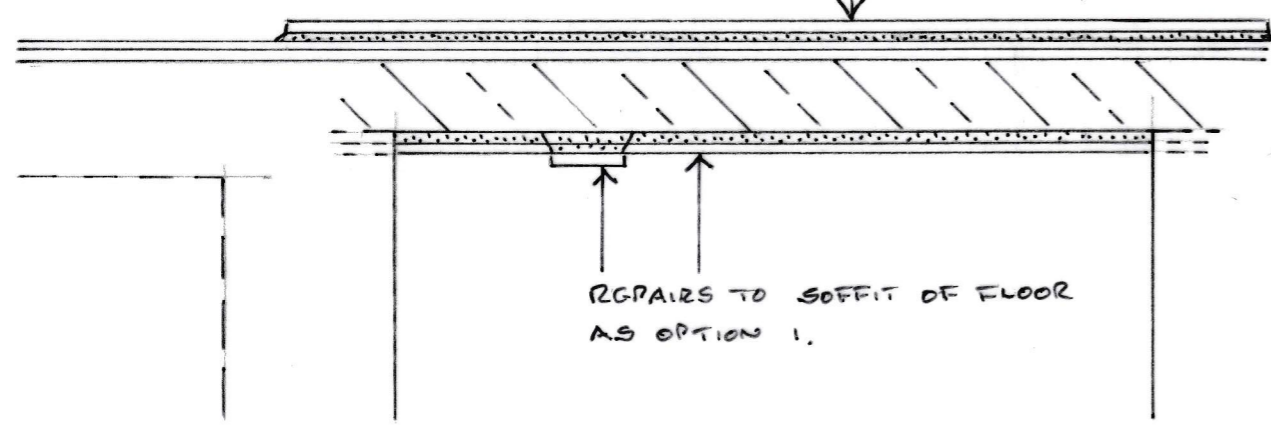
INTRODUCE DRY MORTAR PACKING TO FILL GAP 'y' SO EXISTING STEEL PLATES ASSIST SUPPORT OF STONE PAVES



REPAIR OPTION 1: REPAIR EXISTING FLOOR

NEW RAISED FLOOR AS OPTION 1.

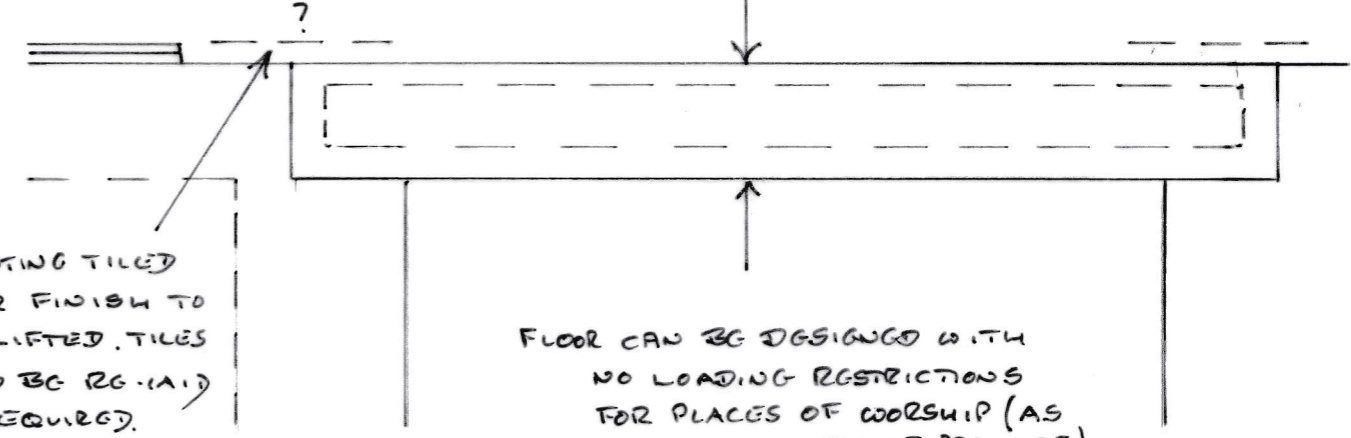
PLACE STEEL PLATE ON MORTAR BED OVER PROTECTIVE SHEETING ON TILED FLOOR FINISH TO ENHANCE ROBUSTNESS OF FLOOR OVER BASEMENT.



REPAIR OPTION 2: REINFORCE WITH STEEL PLATE

NEW RAISED FLOOR AS OPTION 1.

NEW 150mm DEEP REINFORCED CONCRETE SLAB PLACED AT SAME LEVEL AS EXISTING LIME CONCRETE FLOOR SLAB.



REPAIR OPTION 3: REPLACE WITH CONCRETE SLAB

This drawing is to be read in conjunction with all relevant architect's and engineer's drawings and the specification.
Refer to Engineering Schedule of Structural Elements for sizes of structural elements.

REFER TO STAGE 3 ENGINEERING REPORT FOR DISCUSSION ON STRUCTURAL IMPLICATIONS OF EACH OPTION.

| Rev | Date | Amendment |
|-----|------|-----------|
| | | |

Project: St Lawrence Lechlade - Project Inspire
Drawing: Basement Ceiling Repair Options
Sketch No: 0117 / 20

Andrew Turner Engineering
Date: September 2022
Scale: ~1:10 at A3 Size