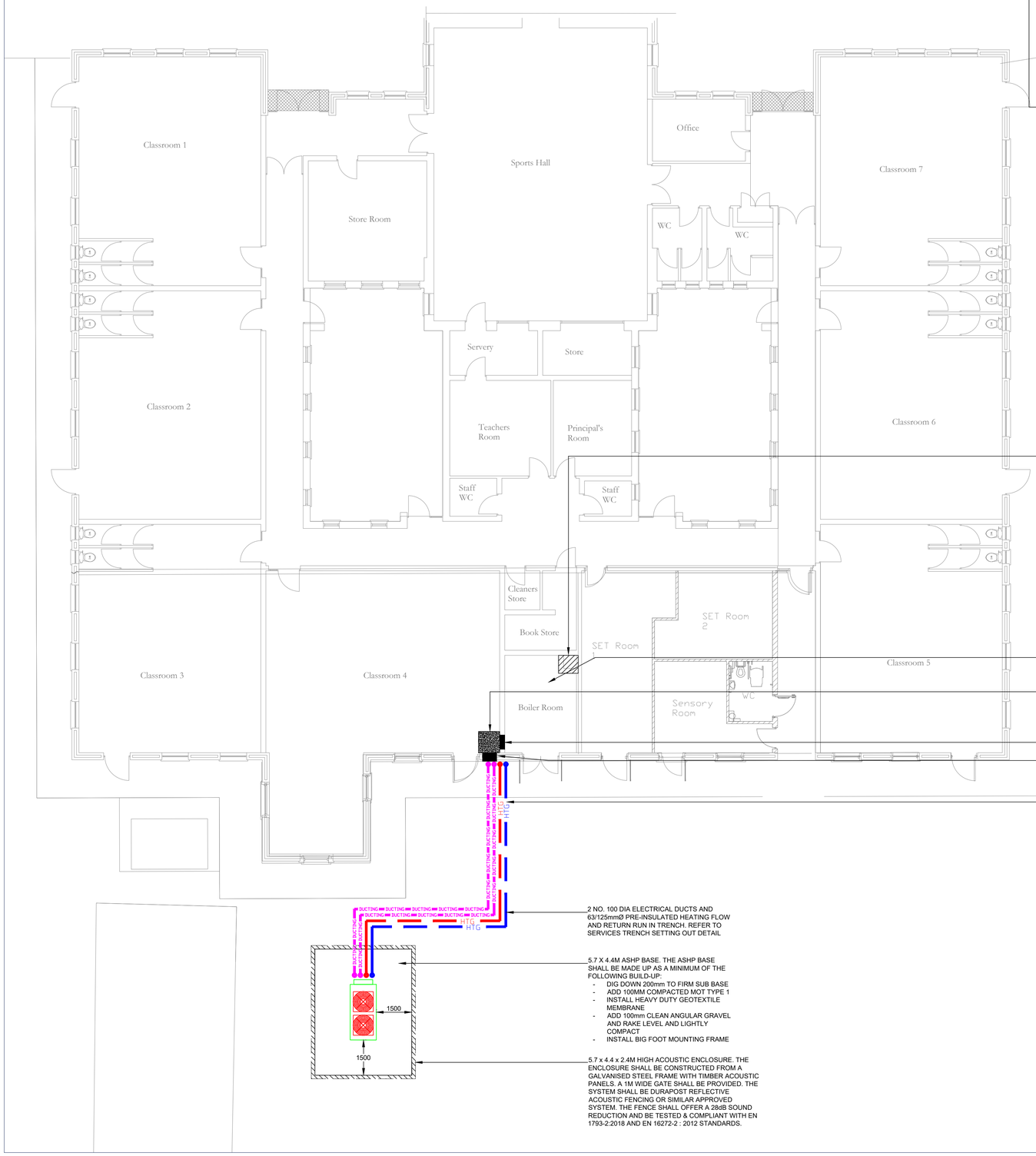
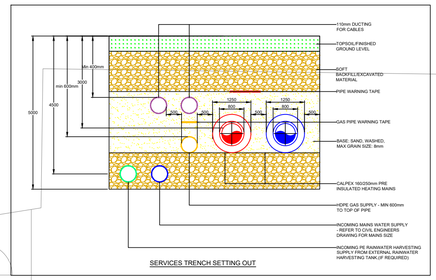
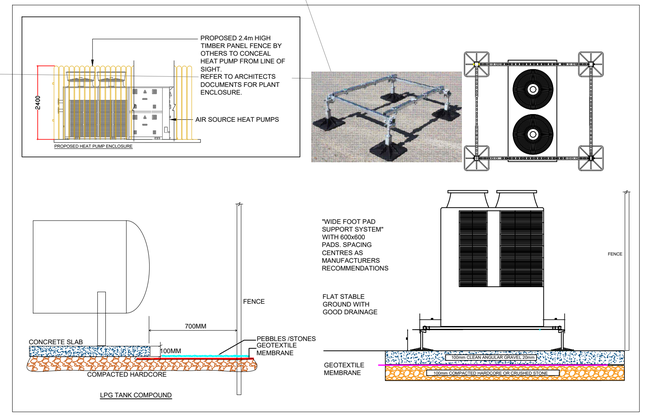
THIS DRAWING IS FOR INFORMATION PURPOSES ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRODUCING WORKING DRAWINGS





SERVICES TRENCH SETTING OUT



LPG TANK COMPOUND

REMOVE EXISTING BLOCKWORK CHIMNEY FROM ROOF LEVEL TO FLOOR AND MAKE GOOD. WORKS SHALL INCLUDE THE FOLLOWING:
- PROTECTION OF THE EXISTING BOILERHOUSE EQUIPMENT
- PROTECTION OF THE EXISTING SCHOOL ROOF AND ATTIC SPACE
- PROVIDE SAFE ACCESS FOR REMOVAL
- PROVIDE ANY NECESSARY TEMPORARY PROPPING AND SUPPORT
- REMOVAL AND TAKING AWAY FROM SITE THE BLOCKWORK CHIMNEY AND ASSOCIATED FLUE LINER
- MAKING GOOD THE ROOF TO MATCH EXISTING TO INCLUDE ROOF RAFTERS, MEMBRANE, BATTEN AND ROOF TILES
- MAKING GOOD THE BOILERHOUSE CONCRETE CEILING BY MEANS OF FORMING IN PLACE A NEW SECTION OF SLAB TO INCLUDE A NEW 200 DIA FLUE OPENING
- MAKING GOOD WALL FINISHES WITH A NEW SAND & CEMENT RENDER FINISH
- MAKING GOOD FLOOR FINISH WITH CONCRETE SCREED AND LATEX AS NECCESSARY

REMOVE AND MAKE GOOD OLD BOILER PLINTH APPROXIMATELY 1.5X1.5X0.15m MAKING GOOD FLOOR FINISH WITH CONCRETE SCREED AND LATEX AS NECESSARY

900 X 900 X 200mm BOXING TO CONCEAL HIGH LEVEL SERVICES. BOXING SHALL BE 18mm MR MDF WITH 50x50mm SOFTWOOD FRAME. ALL EXPOSED EDGES TO BE SEALED AND SANDED TO PROVIDE A SMOOTH FINISH. FINISH TO MATCH EXISTING CEILING COLOUR WITH 2 COATS PRIMER & 2 TOP COATS.

600 X 150 OPENING THROUGH INTERNAL WALL AND MAKING GOOD TO MATCH EXISTING

600 X 150 OPENING THROUGH EXTERNAL WALL AND MAKING GOOD TO MATCH EXISTING

PROVIDE TRENCHING FOR NEW BELOW GROUND SERVICES AS PER THE TRENCH DETAIL. MAKE GOOD SURFACES TO MATCH EXISTING

2 NO. 100 DIA ELECTRICAL DUCTS AND 63/125mmØ PRE-INSULATED HEATING FLOW AND RETURN RUN IN TRENCH. REFER TO SERVICES TRENCH SETTING OUT DETAIL

5.7 X 4.4M ASHP BASE. THE ASHP BASE SHALL BE MADE UP AS A MINIMUM OF THE FOLLOWING BUILD-UP:
- DIG DOWN 200mm TO FIRM SUB BASE
- ADD 100MM COMPACTED MOT TYPE 1
- INSTALL HEAVY DUTY GEOTEXTILE MEMBRANE
- ADD 100mm CLEAN ANGULAR GRAVEL AND RAKE LEVEL AND LIGHTLY COMPACT
- INSTALL BIG FOOT MOUNTING FRAME

5.7 x 4.4 x 2.4M HIGH ACOUSTIC ENCLOSURE. THE ENCLOSURE SHALL BE CONSTRUCTED FROM A GALVANISED STEEL FRAME WITH TIMBER ACOUSTIC PANELS. A 1M WIDE GATE SHALL BE PROVIDED. THE SYSTEM SHALL BE DURAPOST REFLECTIVE ACOUSTIC FENCING OR SIMILAR APPROVED SYSTEM. THE FENCE SHALL OFFER A 28dB SOUND REDUCTION AND BE TESTED & COMPLIANT WITH EN 1793-2:2018 AND EN 16272-2 : 2012 STANDARDS.

GRAVEL BED PREPARATION FOR HEAT PUMP INSTALLATION (WIDE FOOT SYSTEM)

THE FOLLOWING PROVIDES GUIDANCE ON THE PREPARATION OF A GRAVEL BASE FOR THE HEAT PUMP INSTALLATION USING A BIG FOOT - STYLE MOUNTING FRAME. THE SETUP SUPPORTS THE UNIT WITHOUT USING HIGH CARBON CONCRETE WHILE NATURALLY DRAINING CONDENSATE INTO THE GROUND.

1. CHOOSE A SUITABLE LOCATION

- FLAT, STABLE GROUND WITH GOOD DRAINAGE
- AVOID SHADED, WATERLOGGED, OR WINDY FUNNEL AREAS
- MAINTAIN MANUFACTURER-RECOMMENDED CLEARANCES

2. MARK OUT THE AREA

- MAKE THE GRAVEL BED LARGER THAN THE UNIT AND MOUNTING FRAME
- RECOMMENDED MINIMUM: 1.5 M X 1 M FOR SMALL HEAT PUMPS

3. EXCAVATE THE BASE

- DIG DOWN 150-200 MM
- REMOVE ALL TURF, SOFT SOIL, AND ORGANIC MATERIAL TO CREATE A FIRM FOUNDATION

4. LAY A SUB-BASE (OPTIONAL BUT RECOMMENDED)

- ADD 50-100 MM OF COMPACTED MOT TYPE 1 HARDCORE OR CRUSHED STONE
- COMPACT THOROUGHLY USING A VIBRATING PLATE OR HAND TAMPER

5. INSTALL A GEOTEXTILE MEMBRANE

- LAY A WEED-SUPPRESSING GEOTEXTILE MEMBRANE OVER THE SUB-BASE
- PREVENTS GRAVEL MIGRATION AND WEED GROWTH

6. ADD THE GRAVEL

- USE 20 MM CLEAN ANGULAR GRAVEL (E.G., LIMESTONE OR GRANITE)
- DEPTH: 100-150 MM
- RAKE LEVEL AND LIGHTLY COMPACT FOR STABILITY

7. INSTALL THE BIG FOOT MOUNTING FRAME

- PLACE THE FRAME DIRECTLY ON GRAVEL
- ADJUST FEET TO ENSURE LEVEL AND STABLE SUPPORT
- ENSURE CONTACT POINTS ARE SECURE, NOT TIPPING

8. SET THE HEAT PUMP ON THE FRAME

- MOUNT THE HEAT PUMP AS PER MANUFACTURER INSTRUCTIONS
- CHECK FOR LEVELNESS
- CONFIRM NO SINKING OR INSTABILITY

MAINTENANCE TIPS

- INSPECT THE GRAVEL BED AND FRAME SEASONALLY
- RE-LEVEL OR TOP UP GRAVEL IF NECESSARY
- CLEAR DEBRIS AND VEGETATION AROUND THE UNIT

REV	DESCRIPTION	DRN	CKD	DATE
T01	TENDER ISSUE	SK	SF	08-05-2026

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PROJECT TITLE: SCHOOLS ENERGY PATHFINDER - 8.1 Scoil Na Rithe

DRAWING TITLE: BUILDERS WORKS

DRAWING REFERENCE: 3232-SMK-8.1-SI-DR-ME-5901 (Project - Originator - Volume - Level - Type - Role - Number)

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