## DETAIL 1 - FLAT ROOF AND EXTERNAL WALL JUNCTION DETAIL

WARM FLAT ROOF AS PER SPECIALIST DETAILS AND SPECIFICATION TO ACHIEVE 0.18 U-VALUE. FULLY ADHERED SINGLE PLY MEMBRANE BONDED TO 120mm INSULATION LAID OVER VAPOUR CONTROL LAYER ON 18mm PLYWOOD DECK. THE PLY DECK IS TO BE FIXED TO TIMBER FIRRINGS DESIGNED TO 1:60 FALLS (REFER TO GA ROOF PLAN FOR FALLS). ALL IN ACCORDANCE WITH MANUFACTURERS INSTALLATION INSTRUCTIONS.

PLY MEMBRANE UPSTAND FORMED AND SUITABLY WEATHER SEALED

3mm SKIM COATED PLASTERBOARD (2NO. LAYERS) CEILING AS PER SPECIALIST REQUIREMENTS FIXED TO STRUCTURAL JOISTS

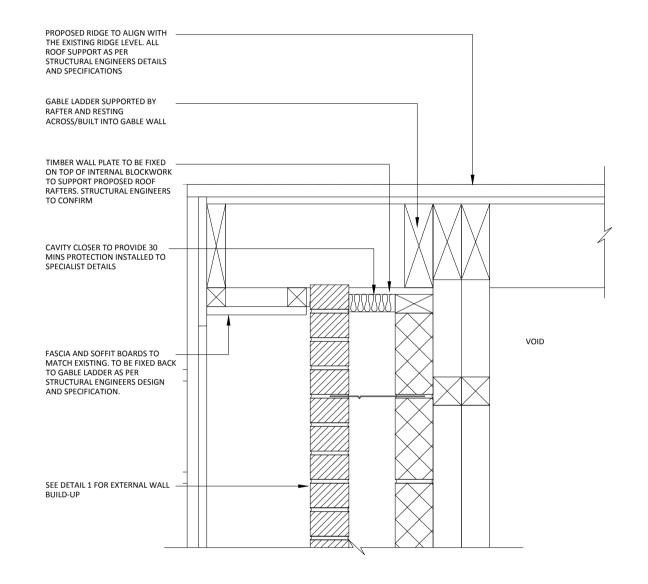WHITE UPVC FASCIA BOARD TO MATCH EXISTING FIXED BACK TO TIMBER BATTEN AND SUITABLY WEATHER SEALED

225x47mm TIMBER JOISTS @ 400mm CENTRES TO BE SUPPORTED ON INTERNAL BLOCKWORK AS PER STRUCTURAL ENGINEERS DETAILS AND SPECIFICATIONS

EXTERNAL BRICKWORK WALL TO MATCH EXISTING BRICKWORK WITH INTERNAL DENSE CONCRETE PAINT GRADE BLOCKWORK TO STRUCTURAL ENGINEERS SPECIFICATION

EXTERNAL WALL BUILD-UP INCLUDES 70mm KINGSPAN KOOLTHERM K108 INSULATION WITH A UNINTERRUPTED 50mm CAVITY TO ACHIEVE 0.28 U-VALUE

CAVITY CLOSER TO PROVIDE 30 MINS PROTECTION INSTALLED TO SPECIALIST DETAILS

+2375

## DETAIL 2 - SINGLE LEAF WALL DEFLECTION HEAD DETAIL

SINGLE SKIN BLOCKWORK WALL DEFLECTION HEAD DETAIL REQUIREMENTS TO BE CONFIRMED BY STRUCTURAL ENGINEER

CLEATED ANGLES TO STRUCTURAL ENGINEERS DETAILS FIXED TO JOISTS TO ALLOW FOR BLOCKWORK MOVEMENT. PAINTED PLY BOARD DOWNSTAND SUPPORTED BY CLEATS

TBC BY STRUCTURAL ENGINEERS

## DETAIL 3 - FLAT ROOF AND PITCHED ROOF JUNCTION DETAIL

ROOF TILES TO MATCH EXISTING FIXED TO BATTENS ON BREATHABLE MEMBRANE.

100mm LOOSE LAID ROCKWOOL INSULATION BETWEEN JOISTS WITH ADDITIONAL 170mm LOOSE LAID ROCKWOOL INSULATION ABOVE ALL TO SPECIALIST DETAILS AND SPECIFICATIONS TO ACHIEVE 0.16 U-VALUE

TIMBER WALL PLATE TO BE FIXED ON TOP OF INTERNAL BLOCKWORK TO SUPPORT PROPOSED ROOF STRUCTURE AS PER STRUCTURAL ENGINEERS DETAILS AND SPECIFICATIONS

WATERPROOFING MEMBRANE TO RUN UP PLY FASCIA BOARD MIN 150mm BEHIND FLASHING ALL TO SPECIALIST DETAILS

SEE DETAIL 1 FOR FLAT ROOF CONSTRUCTION BUILD-UP

3mm SKIM COATED PLASTERBOARD (2NO. LAYERS) CEILING AS PER SPECIALIST REQUIREMENTS SUPPORTED BY TIMBER BATTENS FIXED BACK TO STRUCTURAL JOISTS

200x75mm TIMBER JOISTS @ 400mm CENTRES TO BE SUPPORTED JOIST HANGERS AS PER STRUCTURAL ENGINEERS DETAILS AND SPECIFICATIONS

PAINT GRADE BLOCKWORK STRUCTURAL WALL TO STRUCTURAL ENGINEERS DETAILS AND SPECIFICATIONS.

+3065

## DETAIL 4 - FLAT ROOF PROPOSED AND EXISTING JUNCTION DETAIL (SUBJECT TO SITE INVESTIGATION)

WARM FLAT ROOF AS PER SPECIALIST DETAILS AND SPECIFICATION TO ACHIEVE 0.18 U-VALUE. FULLY ADHERED SINGLE PLY MEMBRANE BONDED TO 120mm INSULATION LAID OVER VAPOUR CONTROL LAYER ON 18mm PLYWOOD DECK. THE PLY DECK IS TO BE FIXED TO TIMBER FIRRINGS DESIGNED TO 1:60 FALLS (REFER TO GA ROOF PLAN FOR FALLS). ALL IN ACCORDANCE WITH MANUFACTURERS INSTALLATION INSTRUCTIONS.

ASSUMED EXISTING FLAT COLD ROOF CONSTRUCTION

PROPOSED WATERPROOFING TO BE LAPPED UP AND OVER EXISTING FLAT ROOF BUILD WITH A DRIP FLASHING DETAIL TO SPECIALIST INFORMATION

PLY BOARD TO BE FIXED BETWEEN NEW AND EXISTING FLAT ROOFS TO ALLOW FOR WATERPROOFING TO LAP OVER

ASSUMED EXISTING EXTERNAL WALL BUILD-UP

EXTENSION — EXISTING

**DETAIL UNDER REVIEW**

## DETAIL 5 - PITCHED ROOF AND EXTERNAL WALL JUNCTION DETAIL

PROPOSED RIDGE TO ALIGN WITH THE EXISTING RIDGE LEVEL. ALL ROOF SUPPORT AS PER STRUCTURAL ENGINEERS DETAILS AND SPECIFICATIONS

GABLE LADDER SUPPORTED BY RAFTER AND RESTING ACROSS/BUILT INTO GABLE WALL

TIMBER WALL PLATE TO BE FIXED ON TOP OF INTERNAL BLOCKWORK TO SUPPORT PROPOSED ROOF RAFTERS. STRUCTURAL ENGINEERS TO CONFIRM

CAVITY CLOSER TO PROVIDE 30 MINS PROTECTION INSTALLED TO SPECIALIST DETAILS

FASCIA AND SOFFIT BOARDS TO MATCH EXISTING. TO BE FIXED BACK TO GABLE LADDER AS PER STRUCTURAL ENGINEERS DESIGN AND SPECIFICATION.

SEE DETAIL 1 FOR EXTERNAL WALL BUILD-UP

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## DETAIL 6 - PITCHED ROOF PROPOSED AND EXISTING JUNCTION DETAIL

PROPOSED RIDGE TO ALIGN WITH THE EXISTING RIDGE LEVEL. ALL ROOF SUPPORT AS PER STRUCTURAL ENGINEERS DETAILS AND SPECIFICATIONS

EXISTING EXTERNAL WALL

PROPOSED ROOF SUPPORT TO ALIGN WITH EXISTING GABLE LADDER STRUCTURE AS PER STRUCTURAL ENGINEERS DETAILS AND SPECIFICATIONS

**DETAIL UNDER REVIEW**

## DETAIL 7 - PROPOSED EXTERNAL DOOR HEAD DETAIL

SEE DETAIL 1 FOR EXTERNAL WALL BUILD-UP

CAVITY TRAY

PROPRIETARY WEEP HOLES

INSULATED LINTEL TO CLOSE WALL CAVITY AT DOOR HEAD AND BE SUITABLY WEATHER SEALED. SEE STRUCTURAL ENGINEERS INFORMATION FOR FURTHER DETAILS

EXTERNAL DOOR TO SPECIALIST DETAILS. REFER TO DOOR SCHEDULE FOR FURTHER INFORMATION

## DETAIL 8 - PROPOSED CEILING AND EXISTING WALL JUNCTION DETAIL

SEE DETAIL 3 FOR PITCHED ROOF BUILD-UP

EXISTING EXTERNAL WALL

SUSPENDED CEILING

**DETAIL UNDER REVIEW**

## DETAIL 9 - GROUNDWORKS DETAIL

CAVITY WALL TIES TO BE POSITIONED AT 450mm CENTRES VERTICALLY & 900mm CENTRES HORIZONTALLY

FLOOR CONSTRUCTION TO COMPRISE OF: 80mm CEMENT / SAND SCREED ON 500 GAUGE ISOLATING LAYER (MIN. 300mm LAP) ON 70mm KINGSPAN K103 FLOOR INSULATION ON CONCRETE SLAB (AS PER STRUCTURAL ENGINEERS DETAILS) 1200 GAUGE POLYTHENE DPM LAYER (MIN. 300mm JOINT LAP + TAPED)

PROPOSED LEVEL OF DPC. SEE GA ELEVATIONS FOR DPC LEVELS

PROPOSED COVED SKIRTING WITH CAPPING TRIM TO SPECIALIST DETAILS. REFER TO FLOOR FINISHES PLAN FOR FURTHER INFORMATION

EXTERNAL GROUND LEVEL VARIES

PERIMETER ISOLATING INSULATION

DPM TAKEN UP OUTER FACE OF INTERNAL LEAF AND LAPPED AND SEALED TO DPC

SEE DETAIL 1 FOR EXTERNAL WALL BUILD-UP

HARDCORE AND SAND BLINDING TO STRUCTURAL ENGINEERS DETAILS AND SPECIFICATIONS

LEAN MIX CAVITY FILL TO RAKE TO OUTER FACE WITH PROPRIETARY WEEP HOLES @ 900mm CENTRES

FOUNDATIONS TO STRUCTURAL ENGINEERS DESIGN AND SPECIFICATION

DPC · DPM

## DETAIL 10 - SINGLE SKIN BLOCK WALL GROUNDWORKS DETAIL

SINGLE SKIN PAINT GRADE BLOCKWORK

PERIMETER ISOLATING INSULATION

SEE DETAIL 9 FOR GROUND CONSTRUCTION BUILD-UP

DPM

## DETAIL 11 - PROPOSED EXTERNAL DOOR THRESHOLD DETAIL

SEE DETAIL 9 FOR GROUND CONSTRUCTION BUILD-UP

EXTERNAL DOOR TO SPECIALIST DETAILS. REFER TO DOOR SCHEDULE FOR FURTHER INFORMATION

CONCRETE BLOCK WITH DRIP

THERMAL BREAK

STEEL ANGLE FOR FLOOR SUPPORT INSIDE CAVITY

SEE DETAIL 1 FOR EXTERNAL WALL BUILD-UP

GROUND LEVEL IN ABEYANCE

LEAN MIX CAVITY FILL TO RAKE TO OUTER FACE WITH PROPRIETARY WEEP HOLES @ 900mm CENTRES

FOUNDATIONS TO STRUCTURAL ENGINEERS DESIGN AND SPECIFICATION

DPC · DPM

## DETAIL 12 - PROPOSED GROUNDWORKS DETAIL TO EXISTING WALL

EXISTING EXTERNAL WALL

PROPOSED COVED SKIRTING WITH CAPPING TRIM TO SPECIALIST DETAILS. REFER TO FLOOR FINISHES PLAN FOR FURTHER INFORMATION

SEE DETAIL 9 FOR GROUND CONSTRUCTION BUILD-UP

DPM

**DETAIL UNDER REVIEW**

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# FOR TENDER

| REV | DATE | NOTE | BY |
|-----|------|------|-----|
|     |      |      |     |

**Project**

LEMSFORD VILLAGE HALL
BROCKET ROAD
WELWYN GARDEN CITY
HERTFORDSHIRE

**Title**

PROPOSED EXTENSION & ALTERATION WORKS PROPOSED ENLARGED SECTION DETAILS

| Scale | Date |
|-------|------|
| 1:10 @A1 | MAY 19 |
| Drawn | Checked |
| RJ | AG |

Drawing Number: 8067_120    Revision