



#### ROOFING

TILES TO MATCH EXISTING ON 38x25MM TANALISED BATTENS ON TYVEK BREATHABLE ROOFING MEMBRANE

#### NEW RAFTERS

100 x 50MM RAFTERS AT 400MM CENTRES PROPER AT MID SOAND BY NEW PURLIN STUD WALL  
RAFTERS STRUCK FROM 100 x 50MM WALL PLATE. BEDDED IN MORTAR, WITH MS HOLDING DOWN STRAPS AT 1.8M CENTRES

#### NEW WALLS

WALLS FINISHED EXTERNALLY WITH 20MM WATERPROOF RENDER ON 100MM DENSE CONCRETE BLOCKWORK.  
100MM CAVITY, WITH 5NO CAVITY TIES PER M2, INSULATION WITH 90MM CELOTEX K106 INSULATION WITH 10MM RESIDUAL CAVITY  
INNER LEAF TO BE 100MM AERATED BLOCKWORK (THERMALITE/CELCON OR SIMILAR)  
NEW WALLS TO BE BUILT OFF EXISTING CAVITY BLOCK WALL TO GROUND FLOOR EXTENSION

#### EXISTING FLAT ROOF JOISTS TO BECOME FLOOR JOISTS

EXISTING 175 x 50MM JOISTS AT 400MM CENTRES ARE TO BE RETAINED AND REUSED AS NEW FLOOR JOISTS.  
EXISTING FLAT ROOF FELT, INSULATION, DECKING AND FIRRINGS TO BE REMOVED AND REPLACED WITH 18MM P5 GRADE T&G CHIPBOARD  
CARE TO BE TAKEN TO MAKE FLOOR LEVELS WORK WITH RISE OF STEP FROM EXISTING STAIRCASE,  
(LEVELLING UP USING BATTENS AS REQUIRED @400MMCS)

#### STUD PARTITIONS

70MM CLS CLAD WITH 15MM FIRELINE BOARD WITH SKIM FINISH. VOIDS FILLED WITH ROCKWOOL

#### GLASS AND GLAZING

TO ACHIEVE A MINIMUM U-VALUE ON 1.5W/M2K  
OPENABLE AREA OF WINDOW TO EXCEED 1/20TH OF FLOOR AREA OF ROOM  
BACKGROUND VENTILATION EQUIVANT TO 10,000MM2 TO BE PROVIDED TO EACH ROOM

#### MECHANICAL VENTILATION

SHOWER ROOM TO BE PROVIDED WITH MECHANICAL EXTRACTION RATED AT 15L/S, WITH HUMIDISTAT OVER RUN

#### LIGHTING

ALL NEW LIGHTING TO BE LED TYPE

#### ELECTRICAL INSTALLATION

NEW ELECTRICAL INSTALLATION TO BE INSTALLED AND TESTED BY A QUALIFIED ELECTRICIAN AND CERTIFIED IN ACCORDANCE WITH APPROVED DOCUMENT P

#### SMOKE AND HEAT DETECTION

MAINS POWERED AND INTERLINKED SMOKE DETECTORS (HEAT DETECTOR IN KITCHEN) WITH BATTERY BACK UPS ARE TO BE INSTALLED IN CIRCULATIONS SPACES, AT LEAST 300MM FROM WALLS. HEAT DETECTOR IN KITCHEN TO BE SITED A MINIMUM OF 300MM FROM WALLS AND KITCHEN UNITS