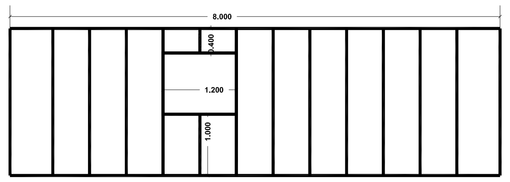
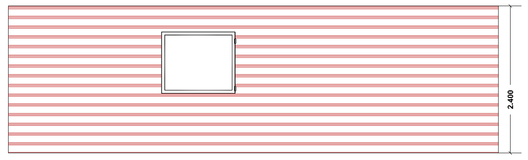
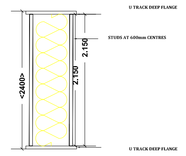


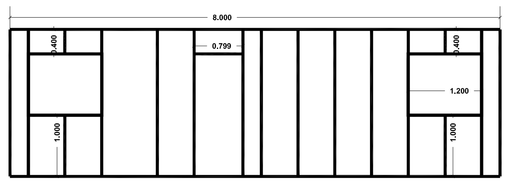
ELEVATION B FRAME



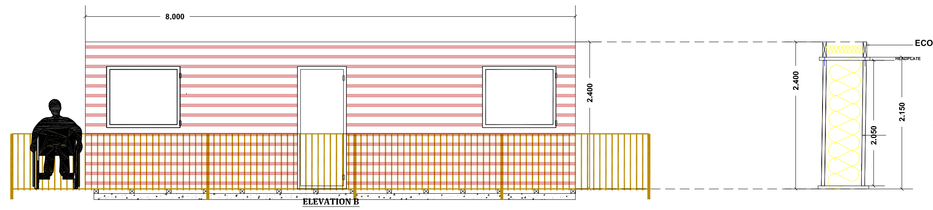
ELEVATION D



75x50mm TIMBER FRAMED INTERNAL PARTITITION WALL LINED WITH 11mm. OSB. &12.5mm FIRELINE BOARD PLASTER SKIM FINISH BOTH SIDES 50mm.INSULATION TO VOID. INSTALL ALL SERVICES FIRST.



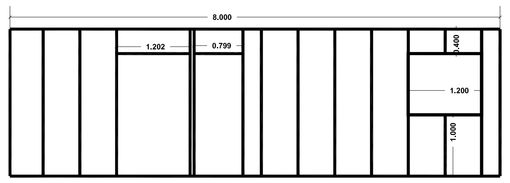
ELEVATION B FRAME



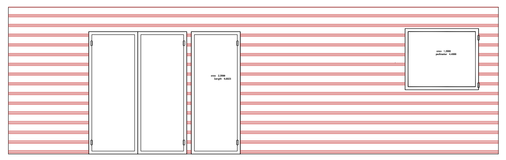
ELEVATION B

ECO/POSI-WEB JOIST @600mm.CRS.

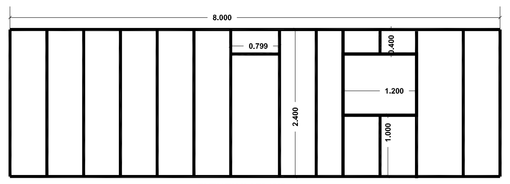
100x50mm TIMBER FRAMED EXTERNAL SHELL LINED WITH 11mm. OSB.12.5mm FIREBOARD 3mm. PLASTR SKIM FINISH TO INTERNAL WALL EXTERNAL WALL WITH "W.P.C." CLADDING PRIOR TO FIXING SURFACE COVERING. WRAP THE ENTIRE SHELL WITH BREATHER MEMBRANE 100mm.INSULATION TO VOID. INSTALL ALL ESERVICES FIRST.



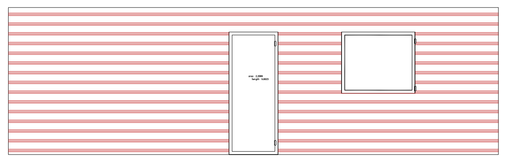
ELEVATION A FRAME



ELEVATION A



ELEVATION C FRAME



ELEVATION C

KEY

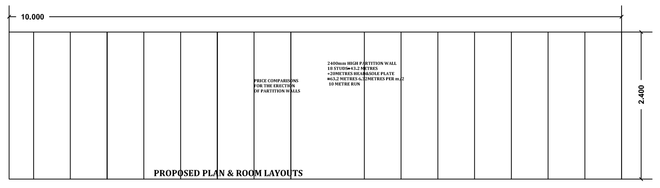
WINDOWS

INTERNAL PARTITION WALL

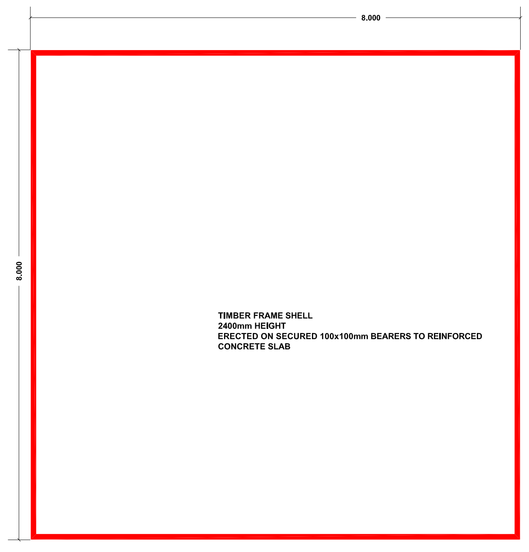
75x50mm. FRAME

COMPOSITE SIDING

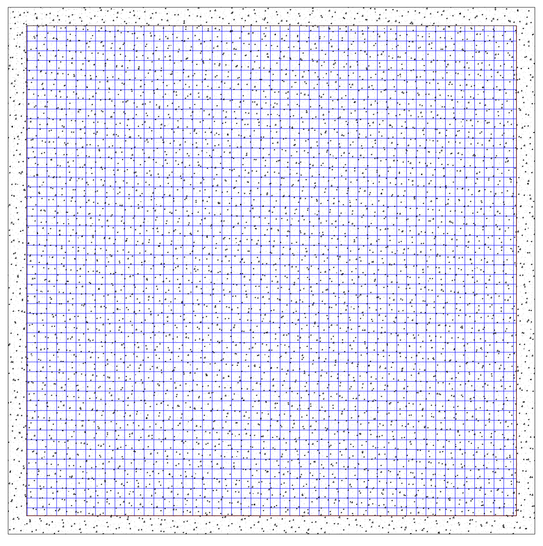
SHINGLE SOAKAWAY



PROPOSED PLAN & ROOM LAYOUTS



REINFORCED SLAB



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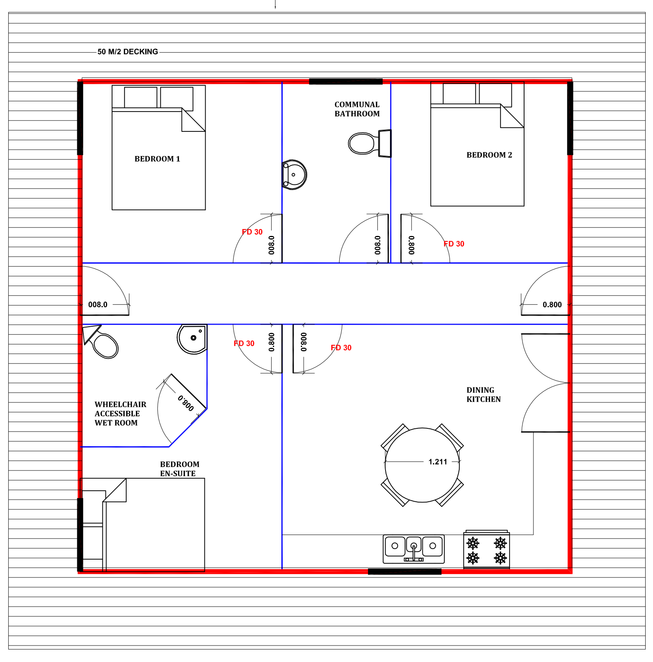

C

DESIGN BRIEF 64 M/Z HOLIDAY LODGE 3BEDROOM ACCOMMADATION FOR FAMILY AND OR CARERS:-

CONCRETE SLAB BASE:- EXCAVATE 24300x 24300x100mm DEEP INSERT100x50mm 2400x2400mm SQUARE SHUTTERING 30 GRADE A 142 STEEL MESH REINFORCED CONCRETE ON 1200 GGE MEMBRANE BARRIER ON COMPACT SAND BLINDED HARDCORE (MOT) ON LEVEL SUB STRATA POUR IN CONCRETE TO A TROWEL SMOOTH FINISH.SECURE 100x50mm BEARERS @600mm. CRS. .75x50mmTIMBER FRAME SHELL 2400mm HEIGHT ERECTED ON SECURED BEARERS TO SLAB.DECIDE ON UTILITY INLET & OUTLET POINTS PRIOR TO STARTING. LAY 50mm INSULATION OVER BEARERS SCREW DOWN 26mm T& G ACOUSTIC BOARD TO BEARERS PVA GLUE TO EDGES.LOOSE GRAVEL TO PERIMETER FOR SURFACE WATER DRAINAGE.

TIMBER FRAME STRUCTURE:- ALL TIMBER USED IN THE CONSTRUCTION WILL BE C16'TANALISED' PRESSURE TREATED 100x50mm FOR PERIMETER WALLS. INTERNALLY LINED WITH 12.5mm FIRELINE PLASTERBOARD ON11mm. OSB. ALL WALLS CEILINGS WITH 12.5mm FIRELINE PLASTERBOARD AND PLASTER SKIM FINISH. PRIOR TO ANY BOARDING THE STRUCTURE TO BE LINED WITH A VAPOUR CONTROL MEMBRANE 75mm. INSULATION TO THE VOID."W.P.C."TO EXTERNAL WALL 75x50mmINTERNAL PARTITION WALLS 11mm OSB 12.5mm. FIRELINE BOARD & PLASTER SKIM FINISH 50mm. WHEN ASSEMBLING THE STRUCTURE USE SCREWS OR NAILGUN .TO AVOID SLACK STRUCTURE.ALL WORKS TO COMPLY WITH RELATIVE APPROVED DOCUMENTS OF THE CURRENT BUILDING REGULATIONS.

PROTECTED ROUTE:- FIRE DOORS - ALL DOORS OFF THE PROTECTED ROUTE & HABITABLE ROOMS WILL BE FIRE RESISTING (FD30 OR E20) PROVIDING A MINIMUM OF 20 MINUTES FIRE RESISTANCE. ANY INTUMESCENT SEALS FITTED TO THE FRAME OR DOOR EDGES WILL BE AS RECOMMENDED BY THE DOOR MANUFACTURER TO ENSURE IT ACHIEVES THE FD20 / E20 RATING. ANY GLAZING IN PARTITIONS BETWEEN A HABITABLE ROOM AND THE ESCAPE ROUTE WILL BE FIRE RESISTING

ROOFING:- "TORCHON"ROOFING MEMBRANE LAID TO MANUFACTURES SPECIFICATIONS ON 18mmEXTERNAL OSB/PLY FIX TILT FILLES ANGLE CUT (50x47mm) ON 3 SIDES TO CREATE SINGLE EDGE WATER RUN OFF GUTTER "POSI-JOIST"@600mm CRS, INSTALLED AS PER DRAWINGS

INTERNAL WASTE:- 40mm BASIN/SINK WASTE AND 50mm SHOWER WASTE.ALL WITH 75mm. ANTI-SYPHONIC TRAPS. 100mm DIA. W/C CONNECTING NEWV.PVC.CONNECTORWITH MIN. FALL OF 9mm AND MAX. FALL OF 90mm PER METER RUN. BASIN WASTE FALL OF BETWEEN 18 TO 45mm PER METER. SHOWER WASTE FALL BETWEEN 18 TO 45mm PER METER RUN.ALL SANITRY INSTALLATIONS TO COMPLY WITH PART H. SECTIONS 1&2OF THE BUILDING REGIILATIONS

ELECTRICAL:- THE INSTALLATION TO COMPLY WITH LATEST EDITION APPR DOCUMENT"P" ELECTICAL SAFETY IN DWELLINGS IN ACCORDANCE WITH BS 7671. ELECTRICAL AND OTHER SMALL SERVICE RUNS CAN BE ROUTED WITHIN THE TIMBER STUD CAVITY. CONCEALED CABLES MAY NEED EARTHED METALLIC COVERING, OR BE ENCLOSED IN EARTHED CONDUIT,TRUNKING, OR DUCTING, TO SATISFY BS 7671. CABLES LOCATED WITHIN INSULATION MAY NEED TO BE UP-RATED TO COUNTER THE EFFECT OF OVERHEATING.CONSUMER UNIT, 100A MAIN SWITCH, 2 X 63A 30MA RCDS, 3 X 6A MCBS, 2 X 16A MCBS, 4 X 32A MCBS, 3 X 40A MCB.

SMOKE/FIRE ALARMS:- ALL HABITABLE ROOMS WILL BE PROVIDED WITH A HARD WIRED FIRE ALARM, SMOKE AND TOXIC FUME DETECTION SYSTEM IN ACCORDANCE WITH THE RELEVANT RECCOMENDATIONS OF BS.5839-6:2004 TO AT LEAST A GRADE D.CATEGORY L.D.3 STANDARD WILL BE INSTALLED.THE ELECTRICAL INSTALLATION SYSTEM WILL BE COMPLETED BY A COMPETANT PART P TRAINED INSTALLER. A CERTIFICATE FOR THE WHOLE OF THE WORK WILL BE PRESENTED TO THE B.C.O. ON COMPLETION

VENTILATION:- OPENABLE AREA TO WINDOWS MIN 1/20TH FLOOR AREA TRICKLE VENTS OF NOT LESS THAN 8000 mm/m2 TO HABITABLE ROOM. MECHANICAL VENTS CAPABLE OF 15 LTRS. PER SEC. 4000M MM2 TRICKLE VENT TO BATH/SHWR, UTILITY ROOM. 4LTRS PER SEC W/C.GLAZING:-WINDOW TO FLOOR AREA NOT TO EXCEED 24 %. GLAZED DOORS AND ADJACENT GLASS WITHIN 300mm OF DOOR TO INCORP. SAFETY GLASS MIN.1500mm ABOVE FLR. LVL. GLASS WITHIN 800mm OF FLR. TO BE SAFETY GLASS IN ACCORDANCE WITH BS 6206 CLASS C AND TO HAVE "E" COATING.THE CONSTRUCTION TO COMPLY WITH THE APPROVED RELEVANT BUILDING REGULATIONS