Access is to be provided to all traps and rodding is to be provided at all bends in waste pipes. No waste conections are to be made to the soil & vent pipes within 200mmm vertical distance of W.C. branch connections. Soil stacks are to be in 100mm diamete P.V.C. Waste run in P.V.C generally as stated in the Building Regulations H.1. Table 3 & to BS 5572.

W/C 100mmØ waste with P trap to soil waste

Hand Basin 32mmØ trap and min. 75mm seal

Shower 40mmØ trap and min. 50mm seal

All drains laid at 1:60 min fall in uPVC with rodding access points to

Where drainage pipe passes through the wall the opening is to be supported with lintels, and filled with compressible material, and the pipe is to have a joint either side of the wall to allow for any

SURFACE WATER DRAINAGE

All surface water drainage runs are to be laid to a minimum fall of 1:60 and are to run to the new surface water drain to discharge into new soakaways. Pipes are to be set in a 100mm shingle bed. New soakaway to be located more than 5m from all buildings and

Construction

all straight runs

Allow for sufficient propping and

∠¹ support Structure to be confirmed with Architect/Structural
Engineer/Building Control Officer
prior to demolition of walls. All

Deep excavations of foundations Do not enter and ensure stability o all trenches and do not undermin existing structures. Carry out investigations to ensure no undermining occours. Gain Party

emporary works to be designed by

Working at height - provide all

Heavy loads - provide all necessary √ machinery to ensure safe lifting of i

> Pre-construction intrusive demolition asbestos survey is to be carried out prior to works commencing

support to enable safe working at

GLAZING

door openings and party walls

DOORS & WINDOWS

of the building regulations.

ESCAPE WINDOWS

Wall Ties & Straps

300mm vertically

wall or turned into a bed joint

electric panel heaters.

commencement of works

Windows - U-Value 1.4 or Window Energy Rating(10) Band B minimum, see ventilation section for trickle vent details Doors - U-Value 1.4 or Doorset Energy Rating(10) Band C minimum

Any areas of glazing within 300mm of a door horizontally, or

within 800mm from finished floor level are all to be toughened

glass to BS 6206. All windows to habitable rooms are to have

Fixed glazing to be designed to act as barrier to falling and

resist loads given in BS EN 1991-1-1 and PD 6688-1-1 and to

All escape windows to have a minimum opening area of 0.33m²

with a miniumum opening dimension of 450mm. The bottom of

the opening will be between 800 - 1000mm above finished floor

Wall ties to be inserted above and below DPC spaced max. 900

Within 225mm horizontally from an opening and not more than

Wall plates to be strapped to masonry with galvanised steel straps

with a min. cross section of 30 x 2.5mm at min. 2m centres fixed to

Existing heating system to be extended to serve new radiators

within new extension. New radiators to have TRVs. Garden room

to have seperate heating system. Outbuilding to have independent

Wall ties to be inserted in accordance with BS EN 845-1

horizontally and max. 450mm vertically generally.

trickle vents fitted to allow for background ventilation.

BS6180 for requirements for impact resistance.

NOTE: Rockwool Cavity closers to be applied to all window and

KEY TO SYMBOLS

New detectors to comply with BS 5839-6:2019 & A1:2020. Should an existing hardwired interlinked fire alarm system not already be installed in accordance with BS5829-6:2019. A new hardwired interlinked fire detection system will be required in accordance with BS 5839-6:2019+A1:2020. Which should comprise the following: A heat detector in the kitchen, smoke detection in the principal habitable room(s) along with smoke detection in the circulation areas.

ELECTRICAL All doors and windows to be designed to PAS 24:2016 and Part Q

Height of sockets and light switches to be agreed on site

All electrical wiring is to be undertaken by a competent electrician in compliance with part P of the building regulations and BS7671. A test certificate must be produced on completion with all information provided for

All light fittings are to be only capable of being fitted with low energy bulbs to comply with part P.

Windows and doors to include trickle vents supplying total equivalent ventilator area across entire dwelling in

To outbuilling vents are to provide min. 10,000mm² to

NOTE: All dimensions to be checked on site prior to

Mains powered battery backup interlinked heat detector to below specifictaion and BS 5446

Mains powered battery backup interlinked smoke detector to below specifictaion and BS 5446

[INTERNAL]

with client but must be between 450 and 1200mm above floor level & 150mm above work surfaces.

the home owner.

VENTILATION

accordance with Part F of the Building Regulations with a min. 8000mm² to each habitable room and 4000mm² to

each habitable room and 4000mm² to each wet room.

15l/s with light switch overrun WC

kitchen 30l/s adjacent to hob 60l/s elsewhere with light switch overrun

Construction Details

Roof Build up (Outbuilding and Bay Window)

[EXTERNAL] - To Outbuilding: Lay Marley Eternit Lincoln Pan tiles in rustric red (exposed interlocking nib to verge to be carefully ground off and verges laid with full mortar bed) - To Bay Window: Recliamed pan tiles to bay window to match existing.

- 25x38mm treated roofing battens - Breather membrane as Tyvek Supro, draped between rafters as manufacturers recomendations [GREEN LINE] - 95 x 45mm C16 rafters at 400mm c/c - Tie beams TBC by structural engineer - 50mm GA4000 Celotex tightly fixed between rafters maintaining 50mm ventilation gap to membrane - 100mm GA4000 Celotex insulation beneath rafters with all joints taped with Vapour barrier tape to form continuous vapour barrier. [RED LINE] - 25x50mm fixing battens - 12.5mm plasterboard with skim finish.

Roof / Ceiling Build up (Rear Porch) [EXTERNAL]

- Lincoln Pan Tiles laid with headlap to match pitch. (interlocking nibs to verges carefully ground off). - 25x38mm treated roofing battens - Breather membrane as Tyvek Supro, draped between rafters as manufacturers recomendations [GREEN LINE] - 120 x 45mm C16 rafters at 400mm c/c - Tie beams TBC by structural engineer - 70mm GA4000 Celotex tightly fixed between rafters maintaining 50mm ventilation gap to membrane - Visqueen vapourcheck vapopur barrier or simialr, taped at - 12.5mm plasterboard with skim finish. [INTERNAL]

- Install tilting fillets to ends of rafters to match splay of existing dwelling - Install black uPVC eaves carrier to eaves feeding into gutter with breather membrane dressed and taped over (ensure eaves carrier is fully supported throughout)

[ORANGE LINE] - To dwelling leave rafter feet exposed with 9mm marine ply over rafters, all decorated to match joinery. - To outbuilding install 25mm sw treated fascia and 9mm plywood WBP soffit. [NOTE! To area within 1m of boundary install 12mm MASTERBOARD to fascia and soffit.1 - New alumasc or similar gutters and downpipes feeding into existing surface water drainage soakaway for existing roof slopes and new surface water soakaway for outbuilding and extensions TBC on site with building control.

Internal Studwork - 100x50mm C24 studwork at 400mm c/c with noggins every

- install 90mm isover acoustic insulation between studs - line over with wallboard TEN plasterboard either side of studwork with skim finish. - NOTE! Where timber touches existing fabric and floors install DPC strips, allow min continuous 25mm clearnace around timbers to existing fabric to allow air flow.

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Note: Do not scale from this drawing, all dimensions to be confirmed onsite. Only to be used for the above purpose.

Refer any discrepancies to the Architect and to be used in

conjunction with relevant specifications, schedules and other

Wall build up (OUTBUILDING)

- Corrugated (sine wave) 0.7mm gauge PVC plastisol coated anthracite sheeting by Accord steel cladding or similar installed as manufacturers requirements. Install insect mesh at openings

- 50x38mm treated battens and counter battens forming ventilated void with SS insect mesh at top and bottom (reduce battens depth where masterboard applied). - Install rockwool cavity closers to all openings in the cladding, located behind insect mesh. Barriers as Rockwool TCB or PWCB size to match cavity and to form continuous seal around all windows, doors and edges/junctions of cavities as manufacturers details and recomendations. - Breather membrane as Tyvek housewrap or simialer installed as manufacturers guidlines. [GREEN LINE] - 9mm OSB3 or equivalent. [NOTE! To area within 1m of boundary and to wall between store and studio install

additional 12mm MASTERBOARD to timber frame.] - 150x50mm C24 timber frame @ 400mm c/c - 140mm XR4000 celotex insulation tightly fixed between. - PL4025 Celotex plastrboard laminate fixed to inside face of timber frame, forming vapour barrier [RED LINE]. - skim finish.

Plinth (OUTBUILDING)

- 140mm dense concrete block internally with 50mm void to external face of masterboard. concrete fill below periscope vents falling to exterior. - Wienerberger Olde Essex Red Multi Brick skin externally and cant brick to top laid in Flemmish bond using 1:3 white

cement to well graded sand mortar - Marmox 140mm wide insulating block beneath wall plate installed as manufacturers guidlines and specifications. - Telescopic undefloor vent with vermin grille, fitted as manufacturers recomendations every 2m c/c and within 450mm of corners. [Purple dotted line] - DPC [BLUE LINE] lapped up inside face of timber frame

under vapour barrier 150mm - DPM [RED LINE] applied up inside face of wall and under wall plate DPC - Seal between skirting board and screed

- Lay min code 4 lead flashing [ORANGE LINE] over external brick plinth and up inside face of wall min 150mm under breather membrane. Lay additional breather membrane under lead and down timber frame, to lap past

Floor Build up (OUTBUILDING, GARDEN ROOM, BAY WINDOW AND PORCH) [INTERNAL] - 75mm screed

- Vapour barrier [PURPLE LINE] lapped up inside face of plinth and 150mm up timber frame - 150mm Celotex FF4000 - 1200 gague DPM [RED LINE] lapped up inside face of wall

and wrapped over plinth - Proprietry beam and block floor. beam ends to be capped with plastic end caps as k-kap or simialr installed as manufacturers guidlines. Install continuous DPC below beam ends [blue dotted line] - Min 250mm ventilated void [EXTERNAL]

Wall build up / Plinth (PORCH)

[External] - Lime render as warmcote scratch coat and limecote finish by 'best of lime' following manufacturers guidlines and specifications. Install drips to base as recomended by best - 25mm woodwool board as heraklith or similar installed as manufacturers guidlines and specifications.

- 25x38mm treated battens forming vented void with SS insect mesh at top and bottom - Install rockwool cavity closers to all openings in the cladding, located behind insect mesh. Barriers as Rockwoo TCB or PWCB size to match cavity and to form continuous seal around all windows, doors and edges/junctions of

cavities as manufacturers details and recomendations. - 9mm OSB3 or equivalent - 150x50mm sw timber frame with hempwool tightly packed - 25mm woodwool board as heraklith or similar installed as manufacturers guidlines and specifications. - Plaster with warmcote scratchcoat and limecoat finish as manufacturers details and specifications.

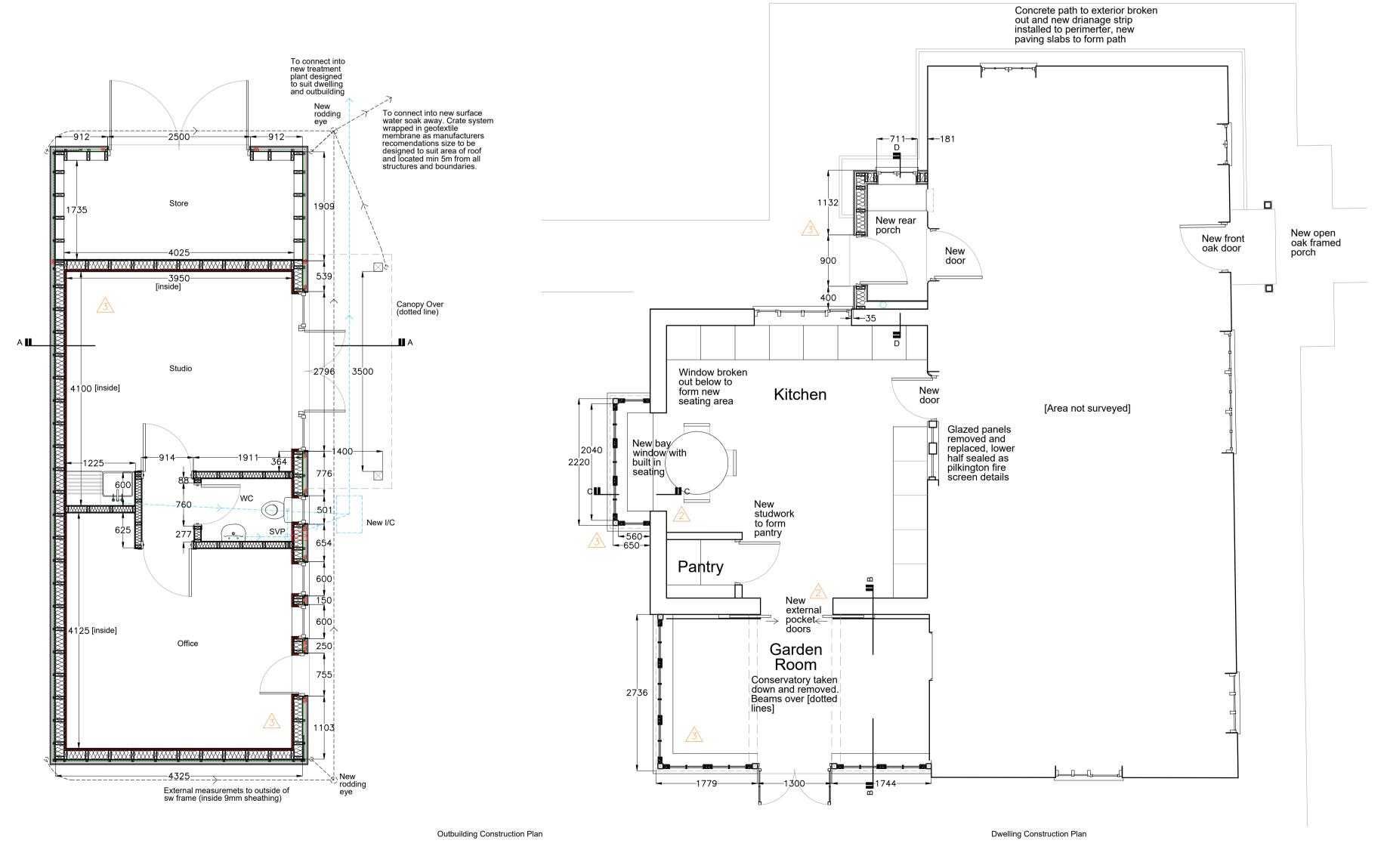
- Code 4 leadwork dressed over cant brick and lapped up face of timber frame. - DPC 150mm from ground level, lapped up inside face of sole plate. - Wienerberger Olde Essex Red Multi Brick skin externally and cant brick to top with 1:2.5 NHL 3.5 to well graded sand mortar, below DPC

Wall Build up / Plinth (GARDEN ROOM, BAY WINDOW)

[EXTERNAL] - Blockwork outer skin above DPC with Lime render as warmcote scratch coat and limecote finish by 'best of lime' following manufacturers guidlines and specifications. Install drips to base as recomended by best of lime. (min 150mm from around level) - Olde essex weinerberger with 1:2.5 NHL 3.5 to well graded

sand mortar, below DPC - 100mm Hempwool to cavity above DPC. 50mm EPS insulation below DPC fixed to inner leaf with suitable wall

- 100mm blockwork with lime mortar - Plaster with warmcote scratchcoat and limecoat finish as manufacturers details and deecifications. - DPC min 150mm from ground level, DPM lapped up inside face of wall and under DPC [INTERNAL]



scale 1:50



Clients: Mr & Mrs Cherry Project: Wood Cottage, Palgrave

Drg no. 10A February 2023

Construction Plans and details

Drawing Purpose: Planning Drawings

