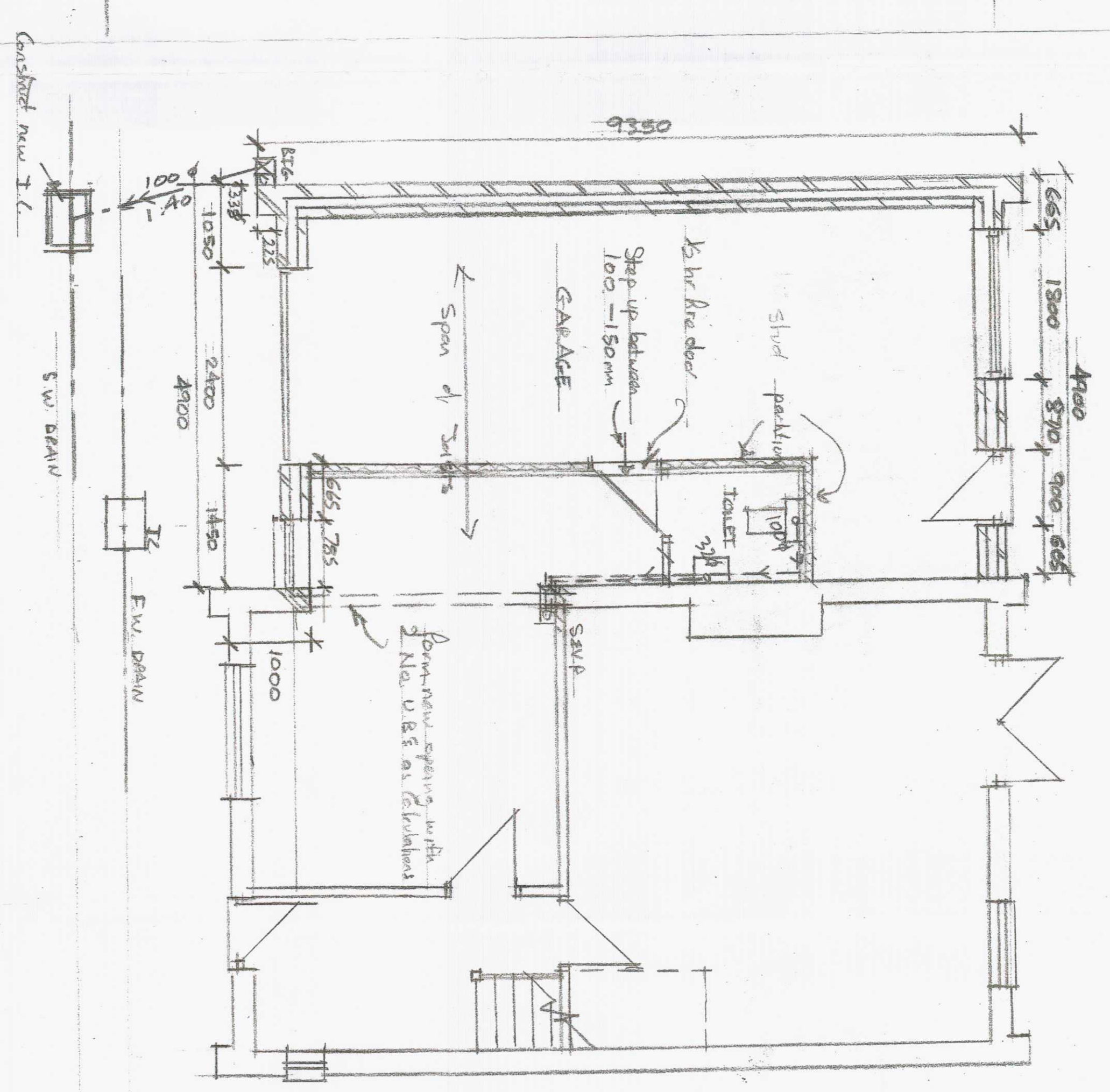
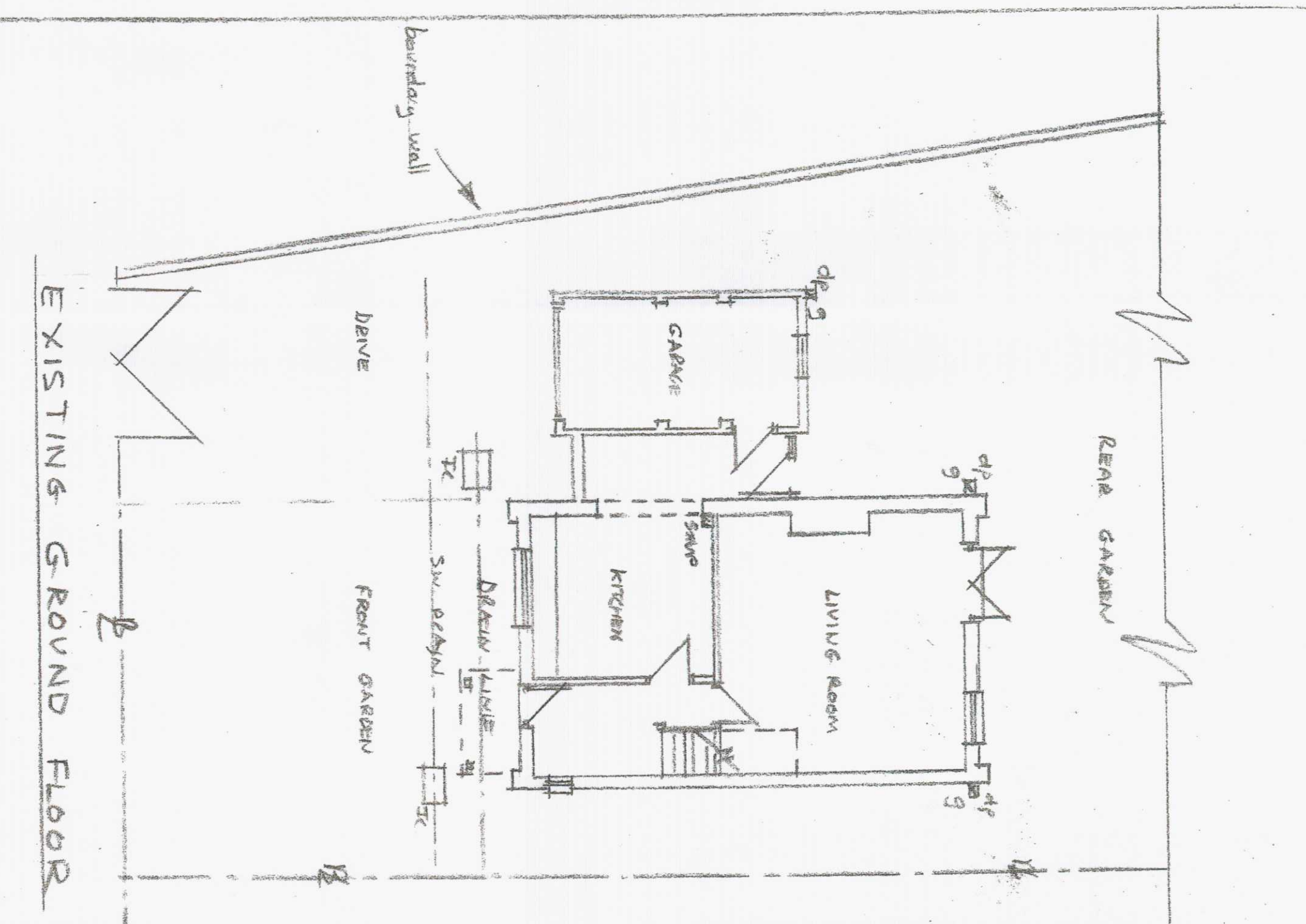
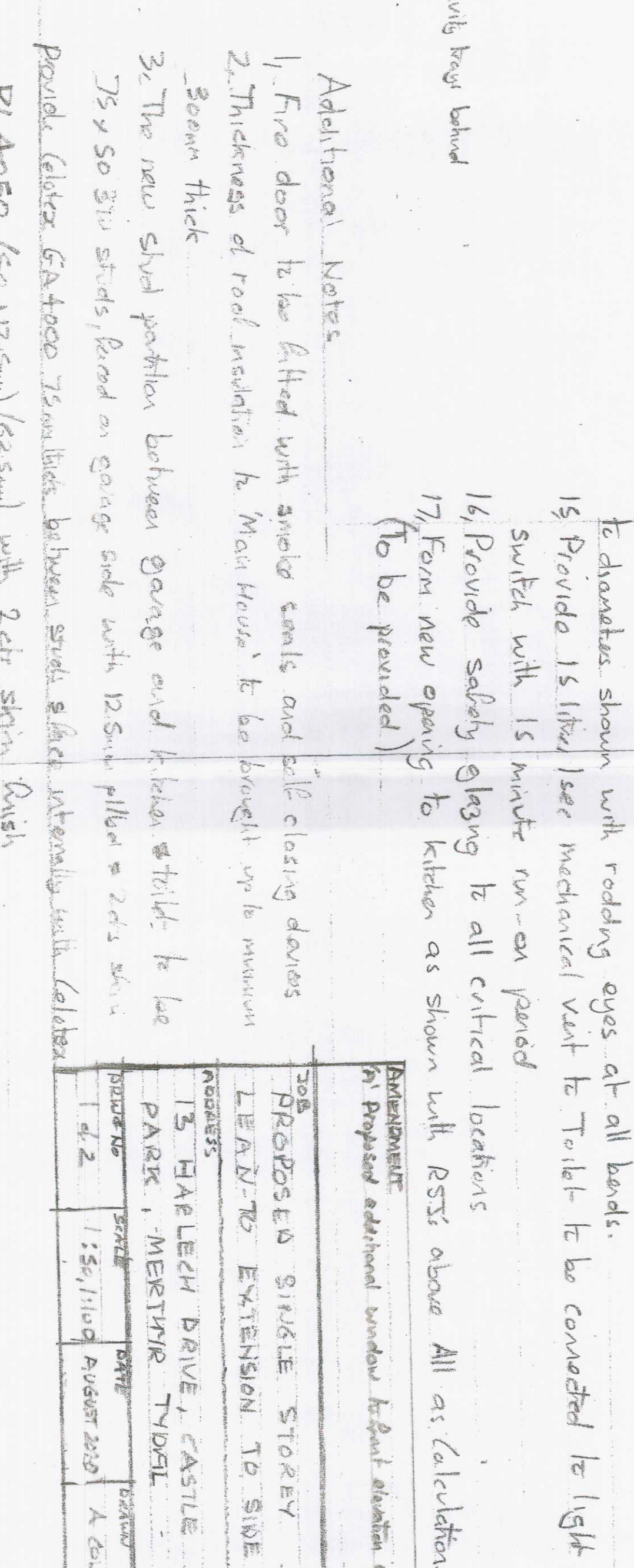
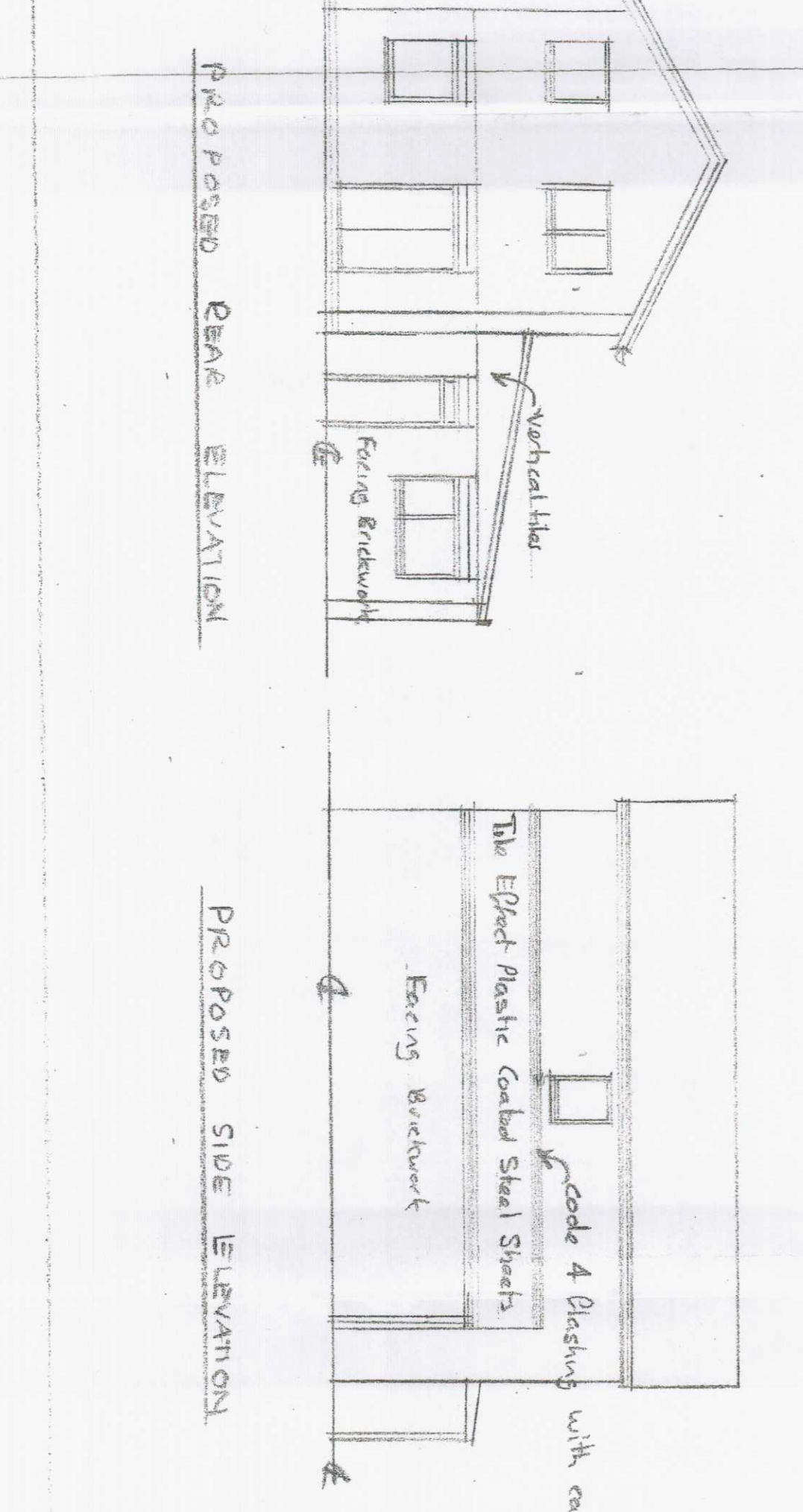
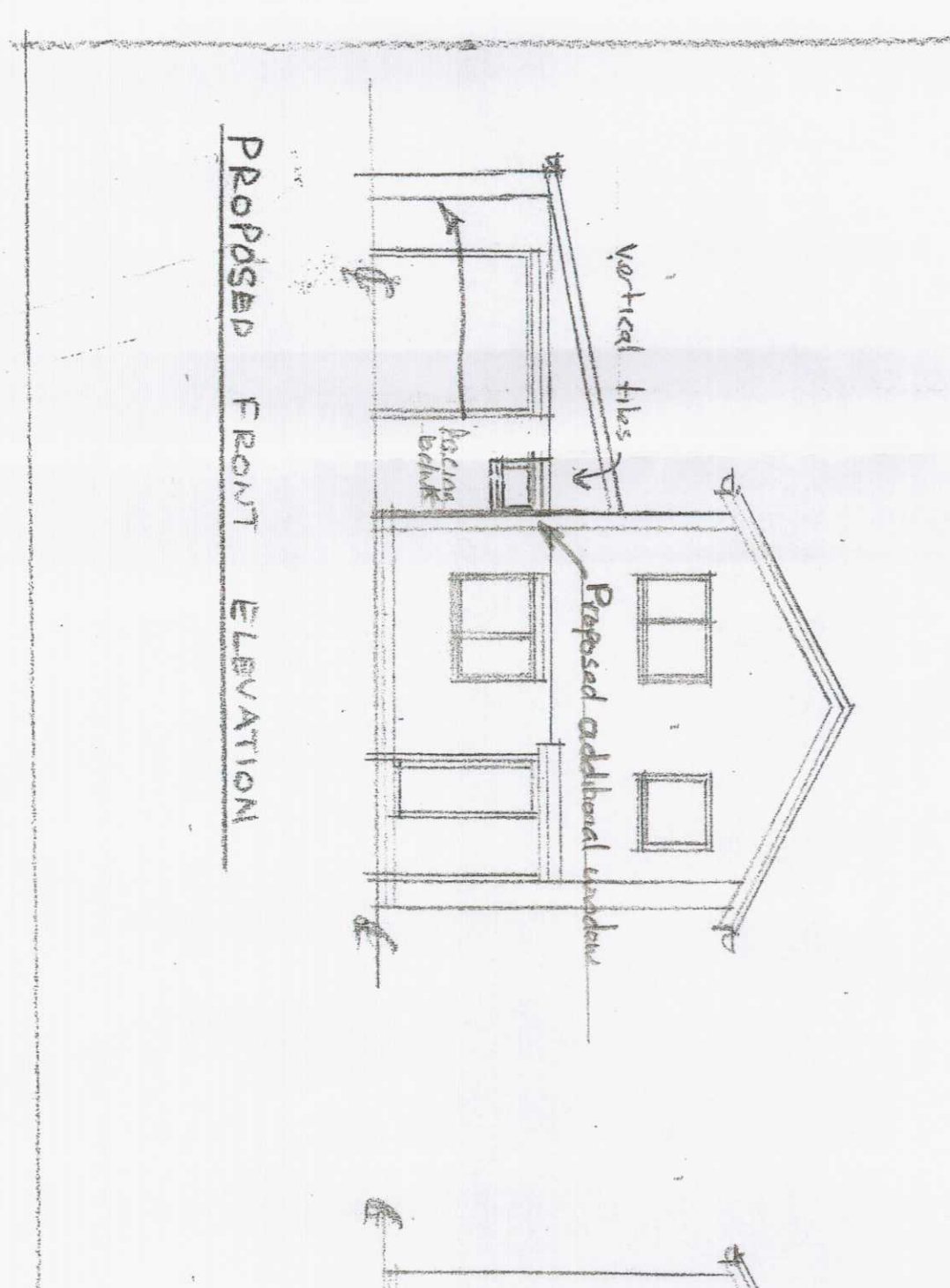
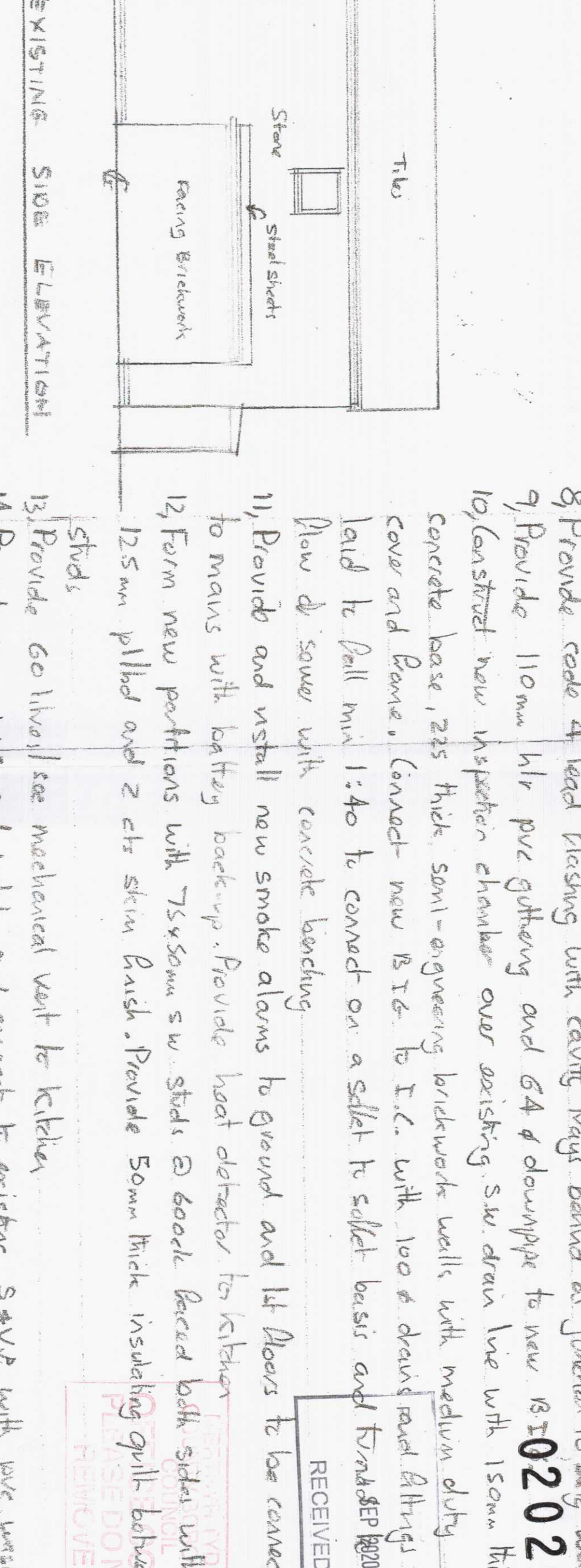
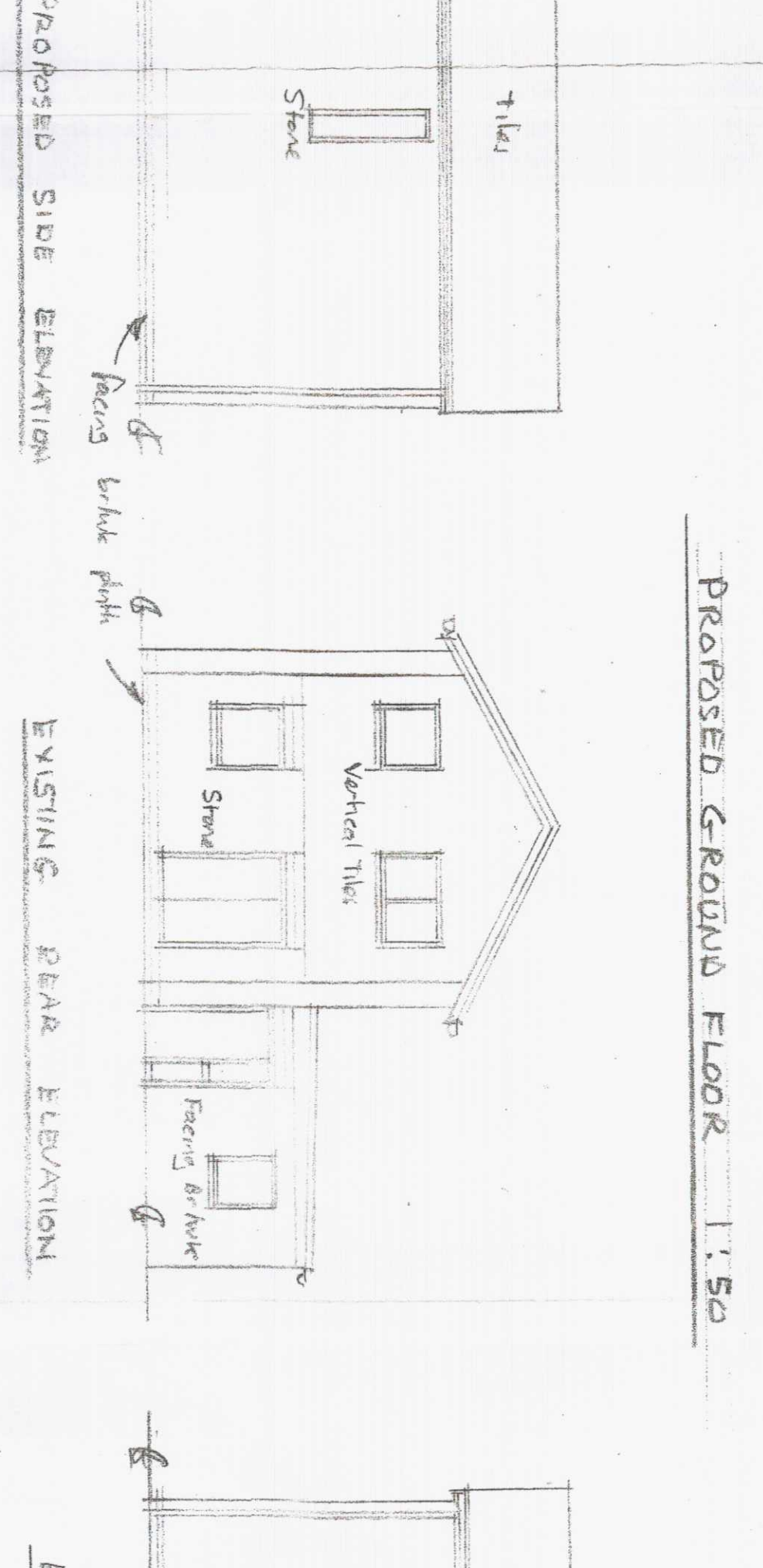
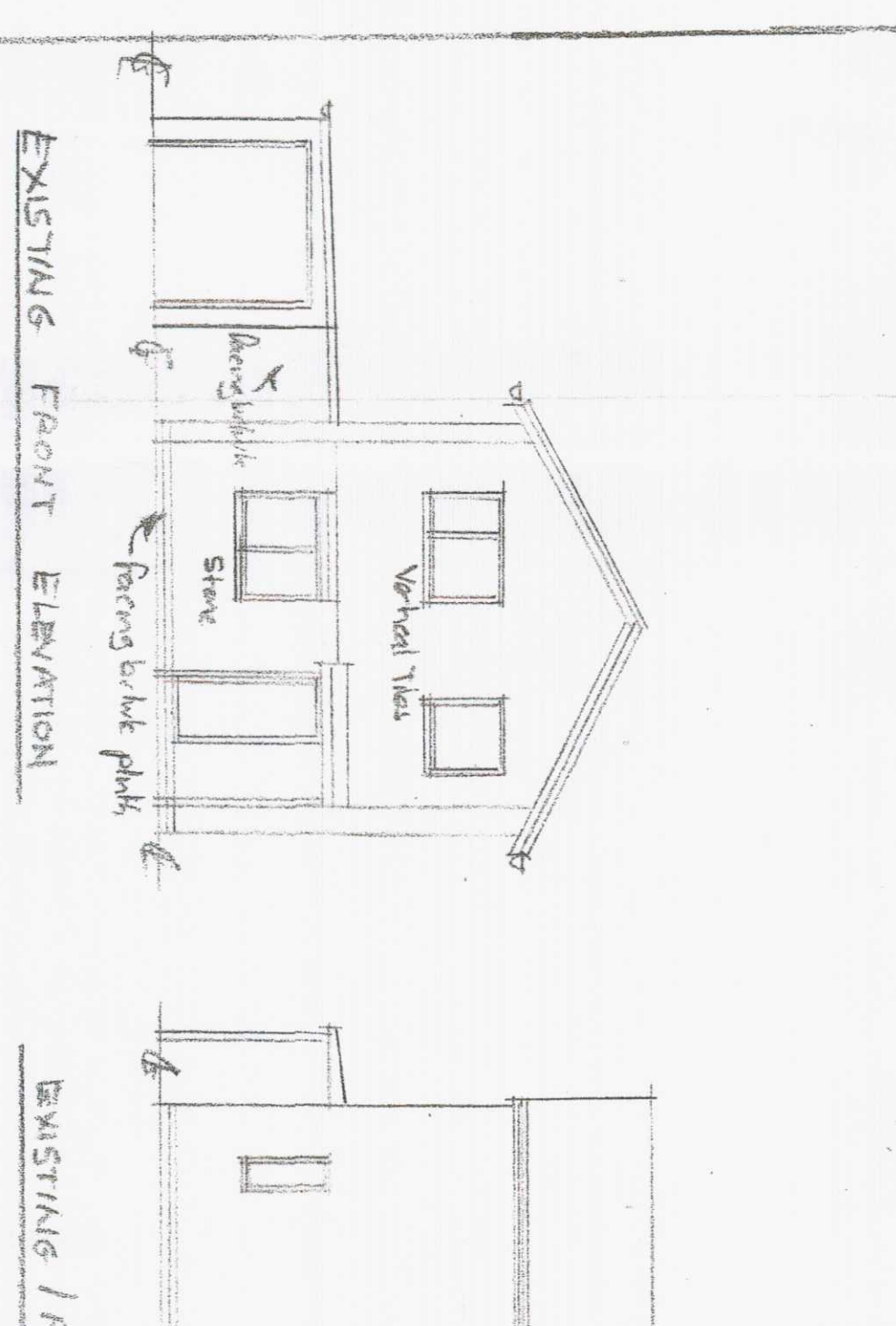




- ### SPECIFICATION
1. Take down and remove existing Garage to side including floor slab and boundary wall.
 2. Excavate trench and provide and lay grade 25 concrete strip foundation to levels and sizes shown.
 3. External walls to be 350 thick cavity formed with facing brickwork outer skin to match existing, 100mm thick dense concrete blockwork inner skin with 150mm wide formed cavity with ss wall ties @ 750mm horizontally, 450 vertically and 225cm @ reveals. Provide 100mm thick Celotex wall insulation to inner skin, to be held in place by retaining clips on wall ties. Build in horizontal dpc's, min 150mm above ground level, the life existing cavity walls using ss. finished fixings. Use cut out line from the roof level above and between 2 No skins of new cavity, through external skin of existing cavities and insert dpc's. Close cavities at top with slate.
 4. Form new openings with Galvalume back lintels above and close cavities @ reveals with insulated cavity closers. Build in horizontal and vertical dpc's.
 5. Provide and install new double glazed uPVC windows and doors to have 'u' value of 1.6 w/mk. Window to have min vent area = 1/20th floor area with 2500mm² trickle vent fitted to head for background ventilation.
 6. Excavate within walls to reduced levels and form ground floor with 150 thick grade 20 concrete slab, to be trowelled smooth on 100mm thick Celotex floor insulation on 1200g DPM turned up around perimeter to dpc's on sand bladed hardcore 150mm thick to be well rolled and consolidated.
 7. Form new roof with TIE Effect Plastic coated steel sheets with anti-condensation layer to us on 50x25mm heated battens @ 600c on breathable felt on s.w. batten on new Posi-Tenets to be designed, manufactured and supplied by Specialist company to be built into existing walls, at one side and fixed to 100x75 s.w. wall plate at other in twin strapped to inner skin @ 750 c/c. Provide 300 thick rafters to roofspace and form ceilings with 125mm plasterboard and 2 c/s skin finish.
 8. Provide code 4 lead flashing with cavity trays behind all junction to party walls.
 9. Provide 110mm h/r pvc gutters and 64 d downpipe to new 180mm dia.
 10. Construct new inspection chamber over existing. s.w. drain line with 150mm thick concrete base, 225 thick semi-engineering brickwork walls with medium duty cover and frame. Connect new 180 to I.C. with 100 d drains and fittings laid to fall min 1:40 to connect on a sabbet to sabbet basis and to main sewer.
 11. Provide and install new smoke alarms to ground and 1st floors to be connected to mains with battery backup. Provide heat detector for kitchen.
 12. Form new partitions with 75x50mm s.w. studs @ 600c faced both sides with 125mm pillow and 2 c/s skin finish. Provide 50mm thick insulating quilt between studs.
 13. Provide 600mm x 600mm mechanical vent to kitchen.
 14. Provide new w/c and ur/b and connect to existing S.W.P. with pvc waste to downpipes shown with rodding eyes at all bends.
 15. Provide 15 ltr/sec mechanical vent to Toilet to be connected to light switch with 15 minute run-on period.
 16. Provide safety glazing to all critical locations.
 17. Form new opening to kitchen as shown with RSI's above All as calculations. (To be provided).



Additional Notes

1. Fire door to be fitted with smoke seals and self-closing devices.
2. Thickness of roof insulation to 'Main House' to be brought up to minimum 300mm thick.
3. The new shed partition between Garage and kitchen to be 75x50 s.w. studs, fixed on garage side with 125mm pillow = 2 c/s skin.

Provide Celotex G4 1000 75mm thick between studs. 50mm thick internally with Celotex PL4050 (50+12.5mm) (62.5mm) with 2 c/s skin finish.

REVISIONS			
NO.	DATE	BY	REASON
1	15/11/00	August 2000	A. COLLINS
2	15/11/00	August 2000	A. COLLINS

PROPOSED SINGLE STOREY EXTENSION TO SIDE

13, HAZLEHURST DRIVE, CASTLE PARK, MERTON TIDAL

RECEIVED

02020