New flat roof terrace construction using 175mm x 50mm C24 treated timber joists at 400mm centres to Structural Engineers drawings and specification, with timber firring pieces to be fixed above the timber joists to create a 1:80 fall, with 18mm WBP plywood sheet fixed above the timber firring pieces with Triflex ProTect waterproofing surface system, which is to be installed strictly in accordance with manufacturer's instructions and guidelines applied over the plywood sheet. New roof to incorporate 125mm Kingspan Kooltherm K107 Pitched Roof Board Insulation with 37.5mm Kingspan Kooltherm K118 Insulated Plasterboard with integral vapour control layer screw fixed to the underside of the timber joists achieving a u-value of 0.16W/m²K and is to be confirmed by Kingspan (0.18W/m²K is the minimum u-value target which can be achieved using 110mm Kingspan Kooltherm K107 Pitched Roof Board Insulation with 37.5mm Kingspan Kooltherm K118 Insulated Plasterboard and is to be confirmed by Kingspan and agreed with Building Inspector). Parapet up-stand to include slate capping. 'Coppered Oak Lasta Grip' composite decking by 'Millboard' to be fixed to 'Plas Pro' sub frame on self levelling adjustable pedestals and installed on top of new flat roof terrace construction strictly in accordance with manufacturer's instructions and guidelines

Existing roof light

Oak/glulam roof structure to Structural Engineers/ Specialists drawings and specification

D-03

New doors to achieve a u-value of 1.8W/m²K with lintel/beam over to Structural Engineers drawings and specification

Existing roof light

TERRACE
millboard floor finish

New balustrade to be fixed to structure to Structural Engineer's design drawings and specification and specialists/suppliers details and is to be 1100mm high and constructed so that a 100mm sphere cannot pass through any opening within the guarding and is not readily climbable

New doors to achieve a u-value of 1.8W/m²K with lintel/beam over to Structural Engineers drawings and specification

2625

FUNCTION ROOM AREA EXTENDED
timber floor finish to match

D-01

New doors with lintels over to Structural Engineers drawings and specification

Light well

New rwp

New rwp

STORAGE
screed floor finish

Light well

WORKSHOP
screed floor finish

D-02

600mm wide concrete strip foundations to Structural Engineers drawings and specification

450mm wide concrete strip foundations to Structural Engineers drawings and specification

New 75mm floor screed on 100mm Kingspan Kooltherm K103 Floorboard Insulation achieving a u-value of 0.15W/m²K (0.22W/m²K is the minimum u-value target which can be achieved using 60mm Kingspan Kooltherm K103 Floorboard Insulation and is to be agreed with Building Inspector) on Visqueen High Performance Radon membrane or similar approved methane and radon resistant DPM with taped gas proof joints laid over partially suspended/ground bearing 150mm reinforced concrete slab to Structural Engineers drawings and specification on 50mm sand blinding and 150mm well compacted hardcore

PROPOSED SECTION 01-01 SCALE: 1:50 @ A2

Existing roof light over

152 x 152 x 23 UC supported by 90 x 6.3 SHS to Structural Engineers drawings and specification

Principal rafters to be partnered to Structural Engineers drawings and specification

STORAGE
chipboard floor finish

New dormer timber frame wall construction to Structural Engineers drawings and specification using 140mm x 50mm C16 treated timber stud frame at 400mm centres, with 12mm WBP plywood sheet screw fixed to the timber studs and the dormer timber frame roof construction to Structural Engineers drawings and specification using 150mm x 50mm C16 treated timber roof joists at 400mm centres, with timber firring pieces to be fixed above the timber joists to create a 1:80 fall, with 18mm WBP plywood sheet fixed above the timber firring pieces. Triflex ProTect waterproofing surface system, which is to be applied to the wall and roof WBP plywood and installed strictly in accordance with manufacturer's instructions and guidelines and coloured to match walls. New dormer walls to incorporate 120mm Kingspan Kooltherm K112 Framing Board Insulation with 37.5mm Kingspan Kooltherm K118 Insulated Plasterboard with integral vapour control layer screw fixed to the internal face of the timber frame walls achieving a u-value of 0.15W/m²K (0.28W/m²K is the minimum u-value target which can be achieved using 80mm Kingspan Kooltherm K112 Framing Board Insulation with 32.5mm Kingspan Kooltherm K118 Insulated Plasterboard and is to be agreed with Building Inspector) 7315

100 x 6.3 SHS wind frame to Structural Engineers drawings and specification

Existing roof light over

Parapet up-stand to include slate capping. 'Coppered Oak Lasta Grip' composite decking by 'Millboard' to be fixed to 'Plas Pro' sub frame on self levelling adjustable pedestals and installed on top of new flat roof terrace construction strictly in accordance with manufacturer's instructions and guidelines

11606

Light well to include stainless steel grate over to permit light and ventilation through changing room windows. Grate to be supported in accordance with Structural Engineers drawings and specification. Light well to incorporate drainage and permit access for cleaning debris

150 1600 150

D-03

Light well to include stainless steel grate over to permit light and ventilation through changing room windows. Grate to be supported in accordance with Structural Engineers drawings and specification. Light well to incorporate drainage and permit access for cleaning debris

New doors to achieve a u-value of 1.8W/m²K with wind frame beam over to Structural Engineers drawings and specification

TERRACE
millboard floor finish

New balustrade to be fixed to structure to Structural Engineer's design drawings and specification and specialists/suppliers details and is to be 1100mm high and constructed so that a 100mm sphere cannot pass through any opening within the guarding and is not readily climbable

Oak/glulam posts and oak/glulam eaves beams, truss rafters, tie and ridge beam over to Structural Engineers/Specialists drawings and specification

External stepped approach to include uniform closed risers that are between 150mm and 170mm high and treads that are between 280mm and 425mm deep. The stair flight is to include a clear width of 1800mm between continuous handrails. New stepped access gripable handrail is to be between 900mm and 1100mm high (1000mm above the step pitch line) and extend at least 300mm beyond the top and bottom nosings and constructed so that a 100mm sphere cannot pass through any opening within the guarding and is not readily climbable. The handrail is to be continuous and include dimensions to satisfy regulation 1.37 of the approved Part M document (2015). The handrail is to terminate so clothes cannot catch. A level landing is to be provided at the top and bottom of the stepped access and include a minimum length of 1200mm and a corduroy hazard warning surface in accordance with Diagram 4 of the approved Part M document (2015)

UP

01

0

A

B

C

NORTH

BR03 PROPOSED FIRST FLOOR/TERRACE PLAN SCALE: 1:50 @ A2

RECREATION GROUND, MODBURY, DEVON, PL21 0FS REF: 011/MAR/BR03 DATE: 24/01/18

Dimensions to structural face. Do not scale from drawings. Please report any discrepancies to Nest Design immediately. Any existing structure expected to sustain additional loads or change in load conditions to be exposed and assessed for adequacy and repaired or replaced where necessary. Contractor or person responsible for project to make thorough check of site and drainage and contact Building Control prior to commencement of any building work. Structural calculations to take precedence over notes and drawn information and depth of foundations, if applicable, are to be agreed with the Building Inspector.

CDM Regulations 2015 will apply and the Principal Contractor will need to prepare a construction phase plan before any project starts on site, and who will plan, manage, monitor and co-ordinate the health and safety aspect of your project during the construction phase. The CDM Regulations may require construction work to be notified to The Health and Safety Executive by completing an F10 form. Notification will be required if the construction project lasts longer than 30 days with more than 20 workers working at the same time, or involving 500 person days of work.

CDM REGULATIONS 2015

The CDM Regulations are to do with minimising and designing out risk in the construction, demolition and maintenance of buildings and is enforced by the Health and Safety Executive (HSE). Prior to 2015 these regulations previously did not apply to domestic clients who were carrying out work on their home and only applied to commercial projects. Now, a domestic client having construction work carried out on their home will have to comply with the CDM Regulations and will also have certain legal duties. For more information visit http://www.hse.gov.uk/construction/index.htm.

THE ROLES AND RESPONSIBILITIES OF THE PRINCIPAL CONTRACTOR

Contractors appointed by the client to coordinate the construction phase of a project where it involves more than one contractor.

- Ensure that health and safety in the construction phase of a project is planned, managed, monitored and coordinated
- Ensure liaison between the client and principal designer
- Ensure the preparation of the construction phase plan
- Ensure the organising and cooperation between contractors and coordinating their work
- Ensure suitable site inductions are provided
- Ensure reasonable steps are taken to prevent unauthorised access
- Ensure workers are consulted and engaged in securing their health and safety
- Ensure welfare facilities are provided

The Principal Contractor is to ensure the preparation of the Construction Phase Plan, which needs to be sufficient to 'start' construction on site and set out the first initial stages of a project.

The Client and the Principal Contractor are to ensure adequate welfare facilities are provided on site and maintained in accordance with HSE CDM Regulations 2015 - Schedule 2 - Minimum Welfare Facilities Required for Construction Sites P.63-65.

The Principal Contractor is to provide site security that is appropriate to the construction and have emergency procedures in place and ensure that they work.

The Client and the Principal Contractor are to ensure that the health and safety provisions that relate to work carried out on the construction site are in accordance with HSE CDM Regulations 2015 - Part 4 - General Requirements for all Construction Sites P.50-58.

In accordance with the CDM Regulations the proposed work may need to be notified to The Health and Safety Executive by the Client by completing an F10 form. Notification will be required if the construction project, lasts longer than 30 days with more than 20 workers, working at the same time, or involving 500 person days of work.

HAZARD IDENTIFICATION LIST

Are there any unique hazards? (Not including foreseeable risks that any competent contractor would be able to identify and be aware of).

Unique Site Hazards:	Relatively exposed site may be prone to strong gusts Relatively exposed site may be prone to driving rain Public building/site and proposed building close to site car park
Unique Design Hazards:	Creation of roof terrace
Unique Construction Hazards:	Removal of large shipping container
How Will They be Addressed:	Analysis of building/site use and analysis of site health and safety

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This page has been prepared to accompany a Building Regulations Package only and is not intended for any other purpose whatsoever. All dimensions to be checked on site. Any structural work is to be confirmed with a structural engineer prior to the work being carried out.