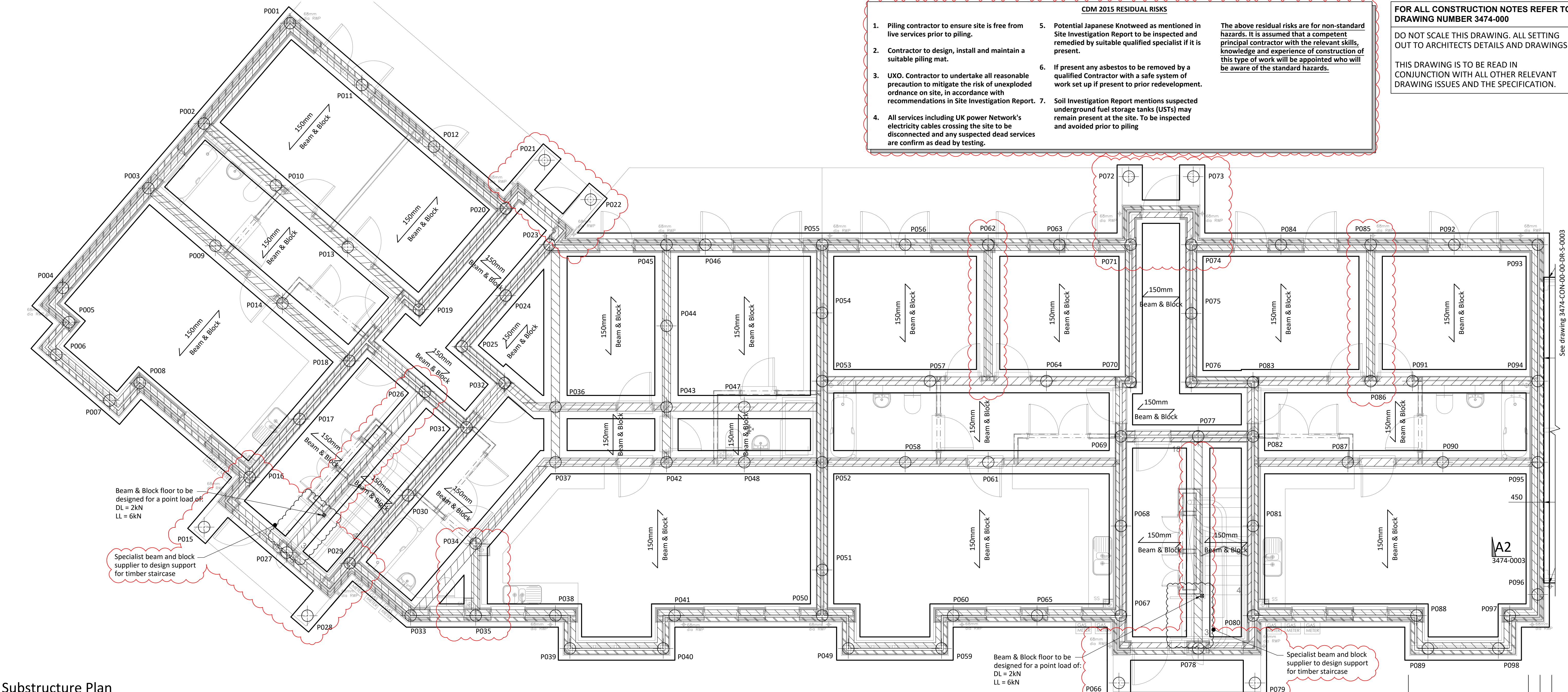




CDM 2015 RESIDUAL RISKS

1. Piling contractor to ensure site is free from live services prior to piling.

2. Contractor to design, install and maintain a suitable piling mat.

3. UXO. Contractor to undertake all reasonable precaution to mitigate the risk of unexploded ordnance on site, in accordance with recommendations in Site Investigation Report.

4. All services including UK power Network's electricity cables crossing the site to be disconnected and any suspected dead services are confirm as dead by testing.

5. Potential Japanese Knotweed as mentioned in Site Investigation Report to be inspected and remedied by suitable qualified specialist if it is present.

6. If present any asbestos to be removed by a qualified Contractor with a safe system of work set up if present to prior redevelopment.

7. Soil Investigation Report mentions suspected underground fuel storage tanks (USTs) may remain present at the site. To be inspected and avoided prior to piling

The above residual risks are for non-standard hazards. It is assumed that a competent principal contractor with the relevant skills, knowledge and experience of construction of this type of work will be appointed who will be aware of the standard hazards.

FOR ALL CONSTRUCTION NOTES REFER TO DRAWING NUMBER 3474-000

DO NOT SCALE THIS DRAWING. ALL SETTING OUT TO ARCHITECTS DETAILS AND DRAWINGS

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWING ISSUES AND THE SPECIFICATION.

Substructure Plan

Scale 1:50

Sheet Legend

150mm Beam & Block

Span of 150mm deep pre-cast beam and block flooring

Denotes non load bearing wall

Denotes assumed 300mm Ø piles by Specialist

Site is an area of moderate risk of unexploded ordnance. Specialist advice to be sought for all groundworks.

Made ground overlaying site contains Asbestos.

Note:  
Architect to confirm if trimming in Ground floor beam and block is required to allow passage or services.

Note

All ground beams to be 600x600 U.N.O.

All piles are to have a shear capacity of 25kN in any direction.

T.O.C, S.S.I and pile cut-off to be confirmed pending co-ordination with Architect.

Remediation Work to Ground to be in accordance with Remediation Strategy. (By others)

Substructure design is based on Pile Safe Working Loads of 300kN (SLS)

Note:  
Refer to drawing 3474-CON-00-XX-DR-S-0000 for full substructure construction notes.  
Refer to drawing 3474-CON-00-00-DR-S-0002 for substructure details.  
Refer to Architectural drawings for sub floor ventilation locations and details.

Foundation arrangement subject to change upon receipt of pile contractors design.

| Main Building Levels  |             |
|-----------------------|-------------|
| Lowest Existing GL    | 22.500      |
| FFL:                  | 22.850      |
| SSL:                  | 22.655      |
| TOC:                  | 21.830      |
| Lowest drain pipe:    | 21.941      |
| Formation:            | 21.830      |
| Foundation Thickness: | 21.230      |
| Proposed GL:          | 22.700      |
| Nearest Trial Pit:    | TP201/TP202 |

| Bin/ Bike Store Levels |             |
|------------------------|-------------|
| Lowest Existing GL     | 22.500      |
| FFL:                   | N/A         |
| SSL:                   | 22.660      |
| TOC:                   | 22.660      |
| Lowest drain pipe:     | 21.941      |
| Formation:             | Varies      |
| Foundation Thickness:  | 450mm       |
| Proposed GL:           | 22.700      |
| Nearest Trial Pit:     | TP201/TP202 |

| Pile Loads Table |          |                |                |               |
|------------------|----------|----------------|----------------|---------------|
| Pile No.         | Diameter | Dead Load (kN) | Live Load (kN) | Cut Off Level |
| P001             | 300      | 150            | 25             | 21.305        |
| P002             | 300      | 225            | 50             | 21.305        |
| P003             | 300      | 200            | 50             | 21.305        |
| P004             | 300      | 150            | 25             | 21.305        |
| P005             | 300      | 75             | 25             | 21.305        |
| P006             | 300      | 100            | 25             | 21.305        |
| P007             | 300      | 100            | 25             | 21.305        |
| P008             | 300      | 200            | 75             | 21.305        |
| P009             | 300      | 150            | 75             | 21.305        |
| P010             | 300      | 150            | 75             | 21.305        |
| P011             | 300      | 175            | 50             | 21.305        |
| P012             | 300      | 175            | 50             | 21.305        |
| P013             | 300      | 150            | 100            | 21.305        |
| P014             | 300      | 125            | 75             | 21.305        |
| P015             | 300      | 75             | 25             | 21.305        |
| P016             | 300      | 225            | 75             | 21.305        |
| P017             | 300      | 75             | 50             | 21.305        |
| P018             | 300      | 125            | 100            | 21.305        |
| P019             | 300      | 125            | 75             | 21.305        |
| P020             | 300      | 200            | 75             | 21.305        |
| P021             | 300      | 50             | 25             | 21.305        |
| P022             | 300      | 50             | 25             | 21.305        |
| P023             | 300      | 200            | 75             | 21.305        |
| P024             | 300      | 75             | 50             | 21.305        |
| P025             | 300      | 75             | 50             | 21.305        |

| Pile Loads Table |          |                |                |               |
|------------------|----------|----------------|----------------|---------------|
| Pile No.         | Diameter | Dead Load (kN) | Live Load (kN) | Cut Off Level |
| P026             | 300      | 150            | 100            | 21.305        |
| P027             | 300      | 125            | 25             | 21.305        |
| P028             | 300      | 50             | 25             | 21.305        |
| P029             | 300      | 225            | 75             | 21.305        |
| P030             | 300      | 100            | 50             | 21.305        |
| P031             | 300      | 125            | 75             | 21.305        |
| P032             | 300      | 100            | 50             | 21.305        |
| P033             | 300      | 100            | 25             | 21.305        |
| P034             | 300      | 150            | 75             | 21.305        |
| P035             | 300      | 125            | 50             | 21.305        |
| P036             | 300      | 200            | 100            | 21.305        |
| P037             | 300      | 175            | 100            | 21.305        |
| P038             | 300      | 175            | 75             | 21.305        |
| P039             | 300      | 75             | 25             | 21.305        |
| P040             | 300      | 75             | 25             | 21.305        |
| P041             | 300      | 225            | 75             | 21.305        |
| P042             | 300      | 150            | 100            | 21.305        |
| P043             | 300      | 200            | 100            | 21.305        |
| P044             | 300      | 125            | 75             | 21.305        |
| P045             | 300      | 200            | 75             | 21.305        |
| P046             | 300      | 125            | 50             | 21.305        |
| P047             | 300      | 50             | 25             | 21.305        |
| P048             | 300      | 100            | 50             | 21.305        |
| P049             | 300      | 75             | 25             | 21.305        |
| P050             | 300      | 225            | 75             | 21.305        |

| Pile Loads Table |          |                |                |               |
|------------------|----------|----------------|----------------|---------------|
| Pile No.         | Diameter | Dead Load (kN) | Live Load (kN) | Cut Off Level |
| P051             | 300      | 125            | 50             | 21.305        |
| P052             | 300      | 200            | 100            | 21.305        |
| P053             | 300      | 150            | 75             | 21.305        |
| P054             | 300      | 100            | 50             | 21.305        |
| P055             | 300      | 200            | 75             | 21.305        |
| P056             | 300      | 150            | 50             | 21.305        |
| P057             | 300      | 200            | 100            | 21.305        |
| P058             | 300      | 100            | 50             | 21.305        |
| P059             | 300      | 75             | 25             | 21.305        |
| P060             | 300      | 150            | 75             | 21.305        |
| P061             | 300      | 200            | 100            | 21.305        |
| P062             | 300      | 200            | 75             | 21.305        |
| P063             | 300      | 150            | 50             | 21.305        |
| P064             | 300      | 175            | 100            | 21.305        |
| P065             | 300      | 175            | 50             | 21.305        |
| P066             | 300      | 50             | 25             | 21.305        |
| P067             | 300      | 150            | 75             | 21.305        |
| P068             | 300      | 150            | 100            | 21.305        |
| P069             | 300      | 175            | 125            | 21.305        |
| P070             | 300      | 75             | 50             | 21.305        |
| P071             | 300      | 200            | 50             | 21.305        |
| P072             | 300      | 50             | 25             | 21.305        |
| P073             | 300      | 50             | 25             | 21.305        |
| P074             | 300      | 175            | 50             | 21.305        |
| P075             | 300      | 100            | 50             | 21.305        |

| Pile Loads Table |          |                |                |               |
|------------------|----------|----------------|----------------|---------------|
| Pile No.         | Diameter | Dead Load (kN) | Live Load (kN) | Cut Off Level |
| P076             | 300      | 50             | 25             | 21.305        |
| P077             | 300      | 150            | 100            | 21.305        |
| P078             | 300      | 225            | 75             | 21.305        |
| P079             | 300      | 50             | 25             | 21.305        |
| P080             | 300      | 225            | 75             | 21.305        |
| P081             | 300      | 125            | 75             | 21.305        |
| P082             | 300      | 150            | 100            | 21.305        |
| P083             | 300      | 150            | 75             | 21.305        |
| P084             | 300      | 200            | 50             | 21.305        |
| P085             | 300      | 200            | 75             | 21.305        |
| P086             | 300      | 150            | 100            | 21.305        |
| P087             | 300      | 150            | 75             | 21.305        |
| P088             | 300      | 200            | 75             | 21.305        |
| P089             | 300      | 75             | 25             | 21.305        |
| P090             | 300      | 150            | 100            | 21.305        |
| P091             | 300      | 150            | 75             | 21.305        |
| P092             | 300      | 175            | 50             | 21.305        |
| P093             | 300      | 150            | 25             | 21.305        |
| P094             | 300      | 250            | 50             | 21.305        |
| P095             | 300      | 200            | 50             | 21.305        |
| P096             | 300      | 150            | 25             | 21.305        |
| P097             | 300      | 75             | 25             | 21.305        |
| P098             | 300      | 75             | 25             | 21.305        |

Note  
All piles to have a shear capacity of 25kN in any direction.  
All piles to be designed for vertical wind load of 25 kN.

|     |                                           |     |     |          |
|-----|-------------------------------------------|-----|-----|----------|
| P05 | NEW PILES, DEAD & LIVES LOADS ADDED       | AH  | SAJ | 29.01.25 |
| P04 | SUBSTRUCTURE AMENDED TO SUIT TIMBER FRAME | AH  | EG  | 19.12.24 |
| P03 | Updated to suit latest information        | AH  | AB  | 25.03.21 |
| P02 | Updated to suit comments                  | AH  | AB  | 21.01.21 |
| P01 | FIRST PRELIMINARY ISSUE                   | AH  | AB  | 08.01.21 |
| Rev | Amendment                                 | Drn | Chk | Date     |

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Drawing Title:  
SUBSTRUCTURE PLAN

|               |          |        |                   |                     |
|---------------|----------|--------|-------------------|---------------------|
| considine ref | drawn by | date   | drawing scales    | original paper size |
| 3474          | A.Homer  | JAN 21 | 1:50@A1, 1:100@A3 | A1                  |

|                                      |         |            |        |       |      |      |        |
|--------------------------------------|---------|------------|--------|-------|------|------|--------|
| drawing reference:                   | project | originator | volume | level | type | role | number |
| 3474 - CON - 00 - 00 - DR - S - 0001 |         |            |        |       |      |      |        |

|           |     |                     |                          |
|-----------|-----|---------------------|--------------------------|
| status:   | S2  | status description: | SUITABLE FOR INFORMATION |
| revision: | P05 | revision status:    | PRELIMINARY              |

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See drawing 3474-CON-00-00-DR-S-0003