

GENERAL NOTES:-

All drawings/sketches are to be read in conjunction with all other relevant Architect's, Engineers & Specialist drawings, specifications, details and the relevant Health and Safety Plan and method statements (as appropriate).

DO NOT SCALE FROM THIS DRAWING. Use figured dimensions only. All dimensions are to be checked on site and are to be confirmed by the Architect prior to construction.

For site setting out refer to the Architect's drawings.

All setting out of brickwork, blockwork, service holes and all waterproofing details to architect drawings and specifications. Finishes to the Architect's requirements.

The main contractor shall design, supply and fix all temporary works unless otherwise agreed. Temporary works are defined as:-

- Load Take-down
 - Scaffolding
 - Propping & Shoring
 - Formwork
 - Construction Method Statements
- All temporary works to be in accordance with latest version of BS5975:2008

ASBESTOS: Where the works are to an existing building, (or include Demolition), all site personnel and visitors are to have training in accordance with Regulation 10 of the Control of Asbestos Regulations 2006 and/or in accordance with the Health and Safety (Asbestos) Regulations 2006. All workers engaged in the removal of materials containing asbestos or suspected of containing asbestos are to be carried out strictly in accordance with current legislation. If in doubt seek guidance from the Health and safety Executive.

Part A3 Section V of the current Building Regulations.

This structure is in class 1 regarding measures Disproportionate collapse. The following measures are to be taken : **No special measures required.**

CONTRACTOR DESIGN ITEMS:-

List of structural items that will require specialist contractor design:

- Steel to Steel Connections
- Piling
- Basement Waterproofing
- Basement Design including fixings
- Sloped concrete bases
- Trussed Roofs
- Precast & Beam & Block Flooring
- Secondary Cold Rolled Steelwork (eg. sheeting rolls, purlins, wind posts and similar)
- Reinforced Concrete Detailing
- Timber to Timber Connections
- Underpinning sequencing

All COP items to be submitted to the design team for comment at least 10 working days prior to manufacture.

BUILDERS WORK NOTES (Generally):-

For all builders work, details of holes, chases, inserts, sleeves in beams and walls, etc, refer to architect's, services engineer's and specialist drawings. All such details shall be coordinated by the principal contractor and superimposed onto one structural arrangement plan and submitted to the engineer to allow sufficient time (10 working days) for approval prior to works being carried out.

The main contractor shall be responsible for coordinating all service holes greater than 150mm or an accumulation of small holes through floors and load bearing walls. These details shall be clearly marked on a drawing together with any chase in masonry and issued to the architect and engineer or their comments at least 5 working days prior to carrying out the works.

Holes less than 150mm square are generally not shown on the structural drawings/sketches. Refer to the services engineer/contractors drawings/sketches.

Holes greater than 150mm not shown on structural drawings/sketches must be agreed with the engineer.

Openings less than 150mm wide in concrete floors can be diamond cored between rebar.

Openings in beams and load bearing walls will generally not be allowed unless agreed by the engineer.

Infilling on openings around services to architect's or service engineer's requirements. Where a load bearing infill is required this is to be designed by the contractor, details to be submitted to the engineer for comment.

FOUNDATION & SUBSTRUCTURE NOTES:-

All foundation bases are to be positioned symmetrically about the walls or columns or piers, unless otherwise shown.

All foundation formations are to be carefully examined and any soft spots or unsuitable material removed and backfilled in moss concrete (SEN 3).

If it should become necessary to excavate deeper than indicated on the drawings, the engineer should be informed immediately.

Final depth of foundations to be agreed on site with the building control officer (or similar approved officer) and structural/soil engineer. Where it is necessary to excavate below the provisional formation level to reach an approved bearing stratum the resultant void is to be backfilled using moss concrete (SEN 3).

The main contractor shall make allowance for removal of all water from the excavations during the construction below existing ground level.

Specification of concrete mixes are detailed on the drawings or in the NBS. Specification of concrete mixes to comply with BS EN 206. No concrete shall be mixed or placed while the temperature is below 1 °C on a rising thermometer or 2 °C on a falling thermometer.

Newly placed concrete shall be protected by approved means from frost, rain, sun and drying winds.

Due allowance is to be made for the thickness of blinding beneath RC foundations. The bottom of excavations for reinforced concrete works shall be covered with a blinding layer of C 8/10 GEN 1 concrete not less than 50mm thick with a smooth surface. All concrete encasement to columns to be in C28/35 concrete mix with min 100mm cover and 149 wrapping mesh.

All concrete works shall be carried out in accordance with BS EN 1992. Materials used in the works shall be new, of the qualities specified. Plain concrete in foundations shall be placed in direct contact with the bottom of the excavation, the concrete being deposited in such a manner as not to be mixed with the earth.

CONCRETE SPECIFICATION

Location	Minimum Concrete Grade (Designated mix)	Minimum Concrete Strength
Blinding concrete/ oversite below suspended slabs	GEN 1	C8/10
All moss concrete foundations	GEN 3	C16/20
Reinforced concrete	RC35	C28/35

MASONRY NOTES:-

All works to be in accordance with BS EN 1996

Substructure & load bearing superstructure walls to be constructed of 7½ dense concrete blocks, plus semi-engineering bricks as indicated UNO.

All blockwork to have a maximum shrinkage of 0.03%. Blocks to be solid with no voids.

Blockwork density shall not exceed 2000kg/m³ unless agreed with the engineer. Non load bearing block walls to have maximum density of 650kg/m³.

All brickwork to have minimum compressive strength of 20N/mm² unless otherwise noted. Load bearing brick piers shall be constructed from semi engineering bricks with minimum strength of 50N/mm².

Do not carry up any one leaf more than 1.5m in any one day unless permitted by the Engineer

Build walls in stretching half lap bond when not specified otherwise

Protect newly erected masonry against rain and snow by covering when precipitation occurs, and at all times when the work is not proceeding

All non load bearing masonry walls shall be designed and detailed by the architect.

Install Ancor stalfix RT2 wall ties or equal approved, at 750mm horizontal and 450mm vertical centres staggered on elevation, and every course around openings.

Where walls abut and are not bonded stainless steel ties are to be provided at 450mm max vertical centres.

Allow for two courses of BRC SBF30W60 bed joint reinforcement above and below all window and door openings, extending minimum of 600mm beyond openings or similar approved UNO.

Provision of movement joints to Architects detail and positioning. Typically movement joints shall be provided not greater than every 6m in blockwork and every 12m in brickwork.

New walls adjoining existing shall be connected using ANCON wall starter system (or similar approved) UNO.

MORTARS:

Substructure mortar 1:3:4 (Cement : Lime : Sand) to BS EN 1996
Superstructure mortar 1:1:6 (Cement : Lime : Sand) to BS EN 1996

HOLES & CHASERS:

No builders works chases are to be cut into load bearing masonry walls with out obtaining agreement from the engineer. Back to back chases within 100mm load bearing walls are not permitted.

SAFETY HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on structural drawings, note the following risks and information.

Risks listed here are not exhaustive. Refer to the CDM risk assessment register by principal designer.

CONSTRUCTION: **No special measures required.**

DEMOLITION: N/A

For information relating to use, cleaning and maintenance see health and safety file.

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement.

FOR CONSTRUCTION

REV.	DATE	CONSTRUCTION/ISSUE	JSC	MH
-	04/09/2020	DETAILS	DRAWN	CHECKED

StructureHaus
consulting • engineering • designing

LONDON OFFICE 020 8940 7810
EXETER OFFICE 01392 363497
info@structurehaus.com
www.structurehaus.com

32-42 Sallyport
St Marys
Isles of Scilly

Standard Notes

As shown @ A1

DRAWING NUMBER
04119E_SK100

Drawn By
JSC
Date
04/09/2020

Checked By
MH
Date
04/09/2020
©Copyright