

GENERAL TIEING REQUIREMENTS

STEEL-MASONRY WALL TIES: ALL UEA, PFC AND COLUMN SECTIONS TO BE FIXED WITH HILTI M12 GRADE 8.8 HIT HY-270 ANCHORS AT MAX 300mm c/c. MIN 100mm EMBEDMENT INTO BRICK CENTRES WHERE POSSIBLE UNO.

MASONRY-MASONRY WALL TIES: ALL NEW MASONRY WALLS ADJACENT TO EXISTING TO BE TIED WITH PROPRIETARY MASONRY TIES UNO. ALL NEW CAVITY WALLS TO BE TIED TOGETHER WITH BRICK STARTER SYSTEM.

STEEL-SLAB TIES: ALL UEA AND PFC SECTIONS RUNNING ALONG EXISTING AND NEW SLAB EDGES TO BE TIED WITH H12 BARS DRILLED AT 400mm c/c THROUGH, MIN 150mm EMBEDMENT.

CONCRETE METAL-DECK INFILLS TO MASONRY WALL TIES: ALL NEW CONCRETE METAL DECK INFILLS TO BE TIED TO BE TIED TO ADJACENT MASONRY WALLS WITH HILTI M12 GRADE 8.8 HIT HY-270 ANCHORS AT MAX 300mm c/c. MIN 100mm EMBEDMENT INTO BRICK CENTERS WHERE POSSIBLE UNO.

ENGENUITI SHALL HAVE NO RESPONSIBILITY FOR ANY USE MADE OF THIS DOCUMENT OTHER THAN FOR THAT WHICH IT WAS PREPARED AND ISSUED.

ALL DIMENSIONS SHOULD BE CHECKED ON SITE.

DO NOT SCALE FROM THIS DRAWING.

ANY DRAWING ERRORS OR DIVERGENCES SHOULD BE BROUGHT TO THE ATTENTION OF ENGENUITI AT THE ADDRESS SHOWN BELOW.

NOTES

BACKGROUND DRAWING INFORMATION BASED ON:
 - ORMS ARCHITECTS ZONE 2 DRWS. SERIES 1793 2 GA/XX/XX
 - 3-SIXTY EXISTING SURVEY DRWS. SERIES 0739-F01 TO 0739-F38

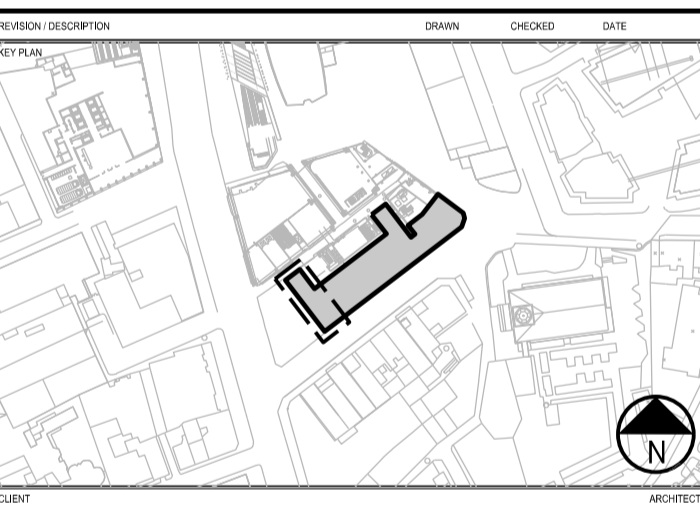
SEE ELEVATIONS 029-ZZ-S-4XX SERIES FOR DETAILS REGARDING REPAIR OF EXISTING EXTERNAL STRUCTURE (ROOFING AND FACADES)

- ← EXISTING TIMBER FLOOR
- ←→ EXISTING "HOLLOW POT" FLOOR SLAB
- ←→ EXISTING "FILLER JOIST" FLOOR SLAB
- ←PJ→ NEW POZI-JOIST TIMBER FLOOR, SIZE AS NOTED ON DRAWINGS
- ←TU→ NEW TIMBER JOIST FLOOR, SIZE AS NOTED ON DRAWINGS
- ←MD→ NEW PROFILED METAL AND CONCRETE FLOOR, TATA COMFLOR 60.1.2 GAUGE, 150mm DEEP, A252 MESH UNO
- ←RC→ NEW REINFORCED CONCRETE FLOOR, THICKNESS AS NOTED ON DRAWINGS
- NEW STEEL BEAM
- - - EXISTING STEEL BEAM
- == NEW DOUBLE TIMBER MEMBER

- LINTEL SCHEDULE**
- L1 = 152x152x37 UC S355 PER 150mm WIDTH OF MASONRY
 - L2 = 152x152x23 UC S355 PER 150mm WIDTH OF MASONRY
 - L3 = ANCON SH130E LINTEL
 - L4 = ANCON SU130E LINTEL
 - L5 = ANCON SUX130E LINTEL
 - L6 = NAYLOR ULTRA 215-S LINTEL
 - L7 = NAYLOR FIRE R8 LINTEL
- Blockwork wall, 140mm THICK UNO.
 - Timber stud wall, size as noted on drawings
 - Brickwork wall, size as noted on drawings
 - Reinforced concrete wall, size as noted on drawings

- AFTER DEMOLITION OF EXISTING BUILDINGS STRUCTURE TO BE RE-SURVEYED TO CONFIRM EXTENT OF REMAINING STRUCTURE
- DESIGN OF NEW STAIRS BY OTHERS U.N.O.
- ALLOW FOR PADSTONES TO ALL NEW STEEL BEAM ENDS INTO EXISTING AND NEW MASONRY WALLS
- WP = WIND POST LOCATION, DESIGNED BY OTHERS
- PADSTONE SCHEDULE**
- P1 = USE EXISTING PADSTONE
 - P2 = 450 LONG x 150 HIGH x 100 DEEP MASS CONCRETE
 - P3 = 675 LONG x 225 HIGH x 100 DEEP MASS CONCRETE

PL03 ISSUED FOR PLANNING	BM	CF	04/03/20
PL02 ISSUED FOR PLANNING	BM	CF	19/12/19
PL01 ISSUED FOR PLANNING	ISH	CF	22/03/19



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PROJECT THE
**ST GILES CIRCUS,
 LONDON WC1**

ZONE 2	SCALE	1:50 @ A1
No. 20 DMS		@ A3
GROUND FLOOR G.A.	DATE	28.05.15
029	029-ZZ-S-101	PL03

All joists to be doubled up with matching sized C24 timbers.

Where existing joists are degraded from damp ends they are to be replaced.

Floorboards to be retained where possible, otherwise replaced with matching timbers.

Primary beams to be retained and repaired wherever possible, using glued rod connections.

REFER TO ZONE 2 DRAWINGS 21-1-25 DENMARK STREET

Bearing of timber on masonry wall appears to have failed, with the beam half on and half off the bearing. Timber members to be replaced and bearings renewed. Possible small steel sections required to replace blockwork walls to be removed.

Where joists have been spliced these should be removed and replaced with tapered and/or new joists to achieve level floor above.

Beam to be strengthened with 2 No 200x100x12 EA.

Timber beam 190 deep x 280 wide, cut from round section. Fissures visible.

Fissures to be resin repaired by specialist.

Damp end to be removed and re-supported as part of vault remedial works.

Beam to be strengthened with 2 No 150x150x12 EA.

Concrete diaphragm beam hidden within floor build-up, to provide reaction for jacking columns required in vault remedial works. See 029-ZZ-SK156 for further details.

New steel beam hidden within floor build up, supports retained primary timber beam and edge of jacking slab.

See 029-ZZ-SK156 for further details.

Paint to be removed from internal walls.

REFER TO ZONE 1 DRAWINGS 029-Z1-S-XXX

(ASSUMED EXISTING BEAM LOCATION)

(ASSUMED EXISTING BEAM LOCATION)

ADJACENT STRUCTURE OF No. 21 DENMARK STREET

DK STREET

New 254x254x73 UC beam hidden within floor build up, supports new steel post.

New UC to be tied to floor joists.

At east end require padstone with width to match wall, 200mm deep into wall, 150mm high. At west end require padstone with width to match wall, 380mm deep into wall, 150mm high. Steel beam to bear onto full depth of padstones.

New 150x150x8 SHS post, supports existing double beam, which is to be cut to form door opening into toilet block. Post to be jacked prior to cutting.

Setout TBC on site. Approx 1.3m off of end of return wall. Position of post to allow for Architect's door opening into toilet block.

Post appears to be taking load from floor beam above. Stub beam is cantilevering beyond the post and may be supporting column on floor above. Steel strapping to be provided to reduce risk of disproportionate collapse.

Timber hangers supporting half landing to be inspected by timber specialist and renewed as appropriate.

All joists to be doubled up with matching sized C24 timbers.

Where existing joists are degraded from damp ends they are to be replaced.

Floorboards to be retained where possible, otherwise replaced with matching timbers.

BEYOND PROJECT SCOPE

S-400 01

S-400 01