NOTE:
ALL ITEMS SHOWN IN RED HAVE ALREADY BEEN CONSTRUCTED AS PART OF H-SMITH WORKS

TT S-206

11 S-406

STUD WALL OF MEZZANINE STRUCTURE TO BE REMOVED AS PART OF RENOVATION. TO ARCHITECTS DETAILS

TEMPORARY STABILITY SYSTEM OF WRAPPING REQUIRED TO No.22 AND No.23 DENMARK PLACE DURING CONSTRUCTION BY OTHERS

NO.22 DENMARK PLACE

STRUCTURE REMAINS AS EXISTING. REPAIR SLAB AREAS WHERE TRIAL PITS DUG.

SPECIALIST GLASS STRUCTURE BY SUB - CONTRACTOR

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

ZONE 1 SLAB AND SUPPORT STRUCTURE. SEE 029-Z1-S-101 FOR DETAILS

W15 W20

RC-017

14 S-408

MASONRY REPAIR TO SHEAR FAILURE. REPLACE BRICKS WITH CRACKS THROUGH EXTERNALLY. HELIBAR ACROSS CRACK AT 400 VERTICALLY INTERNALLY

REPAIR MASONRY CRACK FULL HEIGHT. STITCH ACROSS CRACK WITH HELIBAR AND REPLACE BRICKS AS REQUIRED

S-405 10

08. S-404

REFER TO ZONE 2 DRAWINGS 21 - 25 DENMARK STREET

C-009

TJ

FLOOR PLATES TO BE TIED TO WALLS TO IMPROVE STABILITY

JOISTS TO BE REMOVED AND REPLACED WITH 225x75 C24 JOISTS AT 400mm C/C WITH 18mm PLY SPANNING PERPENDICULAR

EXISTING BEAM PLATED WITH 300x100x46 PFCS BOLTED THROUGH EXISTING SECTION

300x100x46 PFC

300x100x46 PFC

NEW STEEL BEAM RE-SUPPORTING HALL WALL

203x203x67 UC

TJ

EXISTING ROTTEN TIMBER POSTS TO BE REMOVED AND REPLACED WITH MASONRY. REBUILD RETURN IN TO WALL AND TIE TOGETHER.

203x203x67 UC

UC SPREADER BEAM AT GROUND FLOOR LEVEL BEARING ONTO EXISTING MASONRY WALL BELOW - TO BE INSTALLED BELOW EXISTING FLOOR JOISTS - SETTING OUT TO BE CONFIRMED ON SITE

SUPPORT STRUCTURE FOR FIRST FLOOR BEAMS SUPPORTING CHIMNEY BREAST. 260x90x35 PFC'S RUNNING FROM GROUND TO UNDERSIDE OF FIRST FLOOR. BEARING ONTO UC SPREADER BEAM AT GROUND FLOOR LEVEL

S-404 07

NO 26 DENMARK STREET

NO 27 DENMARK STREET

S-407 YY

REMOVE AND REPLACE EXISTING TIMBER STUD WALL TO ARCHITECTS DETAILS

EXISTING FILLER JOIST FLOOR TO BE CAREFULLY REMOVED AND REPLACED WITH CAST IN SITU 300mm THICK CONCRETE FLOOR SLAB, TO TAKE GROUND FLOOR LOADS AND PROVIDE 240 MIN FIRE PROTECTION TO UKPN ROOM BELOW, SUPPORTED ON NEW BRICK LINING WALL AND TIED IN TO THE EXISTING GROUND FLOOR STRUCTURE TO PROVIDE LATERAL RESTRAINT.

CENTRAL WALL TO BE STRENGTH - DOUBLE EVERY STUD WITH C24 TIMBER STUD, SIZED LIKE FOR LIKE.

WALL TO BE SURVEYED POST DEMOLITION

WORKS TO THIS AREA BY OTHERS

13 S-408

ON ST GILES HIGH STREET

EXTENT OF WORKS TO BE CONFIRMED BY CLIENT PRIOR TO CONSTRUCTION

STRUCTURE TO BE CHECKED & JOISTS DOUBLED LIKE FOR LIKE IN C24 TIMBER

J1

J2

ZZ S-208

NEW RC SLAB TO BE TIED TO EXISTING MASONRY WALLS AROUND FULL PERIMETER

TEMPORARY BRACING REQUIRED AT GROUND FLOOR LEVEL WHILST FLOOR IS BEING REPLACED TO PROVIDE STABILITY TO EXISTING BUILDING FRAME.

AREA OF NEW SLAB INFILL MIN 200mm THK. TO BE CAST IN PLACE OF EXISTING FILLER JOIST FLOOR AGAINST EXISTING STEEL BEAM

FFL: +125.55
SSL: +125.45

RC

NEW 300mm THK. RC SLAB

2K DENMARK STREET SLAB REINFORCEMENT DETAILS AS PER SKETCH SET 029-Z2-SK75 - 280MS GROUND FLOOR SLAB REINFORCEMENT DETAILS

203x203x46 UC (PTU)

203x203x46 UC (PTU)

203x203x46 UC (PTU)

203x203x46 UC (PTU)

203x203x46 UC (PTU)

P2

ST/MAS-002

STEEL RAISED ON 203UC 'GOAL-POSTS' TO MEET HIGHER LEVEL SOFFIT. REFER TO FABRICATION DRAWINGS FOR DETAILS

FFL: +125.55
SSL: +125.45

200mm THK. RC RING BEAM AROUND DROP HATCH TOC = +125.445

1200mm x 1800mm (CLEAR OPENING UKPN DROP HATCH IN PAVEMENT.

S-407 12

NOTE: PROFILED PRE-CAST LINTELS TO OUTER FACING LEAF OF MASONRY TO SPECIALIST DESIGN - REFER TO ARCHITECTS SPECIFICATIONS

CES = CONNECTION TO EXISTING STEEL

ALL STEELWORK SETTING OUT TO BE CONFIRMED BY FABRICATORS SURVEY PRIOR TO FABRICATION

GENERAL TYING 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 225mm 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 ADJACENT MASONRY WALLS WITH HILTI M12 GRADE 8.8 HIT HY-270 ANCHORS AT MAX 225mm 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 07397-01 TO 07397-38

SEE ELEVATIONS 029-Z2-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
- TJ — NEW TIMBER JOIST FLOOR, SIZE AS NOTED ON DRAWINGS
- MD — NEW PROFILED METAL AND CONCRETE FLOOR, TATA COMFLOR 60,1.2 GAUGE, 140mm 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 = NAYLOR 140x100 R3 LINTEL
L4 = NAYLOR 215x140 R7 LINTEL
L5 = NAYLOR 215x215 S8 LINTEL
L6 = NAYLOR ULTRA 215-9 LINTEL
L7 = NAYLOR FIRE R7 LINTEL
L8 = NAYLOR FIRE R3 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 x150 HIGH x150 DEEP MASS CONCRETE
P3= 675 LONG x225 HIGH x150 DEEP MASS CONCRETE
P3a= 500 LONG x225 HIGH x250 DEEP MASS CONCRETE

FOR PLANNING

REVISION	DESCRIPTION	DRAWN	CHECKED	DATE

KEY PLAN

CLIENT

ARCHITECT

Consolidated Developments Limited

ORMS
1 Oliver's Yard
55-71 City Road
London EC1Y 1HQ

0207 833 8533
orms@orms.co.uk
orms.co.uk

engenuiti
IMAGINE + CREATE + ENGINEER

3rd Floor, The Pavilion
1 Newham's Row
London SE1 3UZ
United Kingdom
+44 (0)20 7089 5760
www.engenuiti.com

PROJECT TITLE
ST GILES CIRCUS,
LONDON WC1

DRAWING TITLE
ZONE 2
No. 26 - 28 DMS & 59 ST GHS
GROUND FLOOR G.A.

SCALE 1:50 @ A1 @ A3

DATE 28.05.15

PROJECT NUMBER 029

DRAWING No. Z2-S-105

REVISION C7