

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

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

CS = 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 CENTRES WHERE POSSIBLE UNO.

- 1 NOTE: EXISTING TIMBER FLOOR TO REMAIN UNDER NEW RAISED TIMBER FLOOR COMPRISED OF 200x50 C24 JOISTS AT 400 c/c AND 20mm PLY OVER. STRAP TO WALLS ALL ROUND AND FIX WALL PLATES AS REQUIRED.
- 2 NOTE: ADDITIONAL ALLOWANCE AT FIRST FLOOR FOR 150x50 C24 JOISTS @ 400 c/c TO UNDERSIDE OF EXISTING JOIST TO SUPPORT NEW ACOUSTIC AND FIRE RATED CEILING

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-DT TO 07397-38
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
- ← PU 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, 140mm DEEP, A2S2 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-S 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.

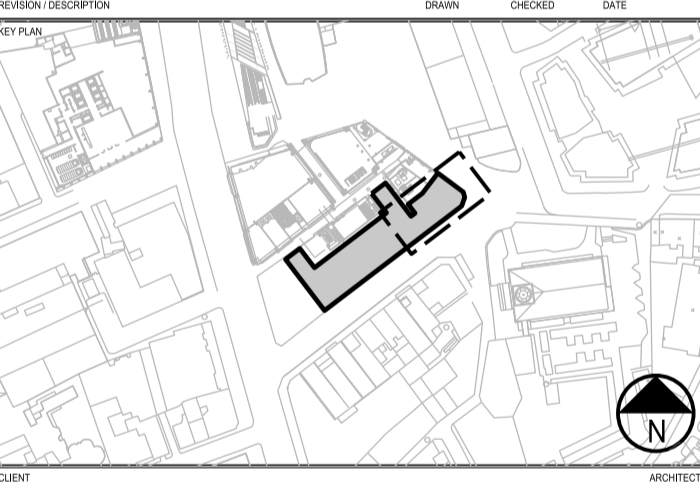
ALLOW FOR PADSTONES TO ALL NEW STEEL BEAM ENDS INTO EXISTING AND NEW MASONRY WALLS

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



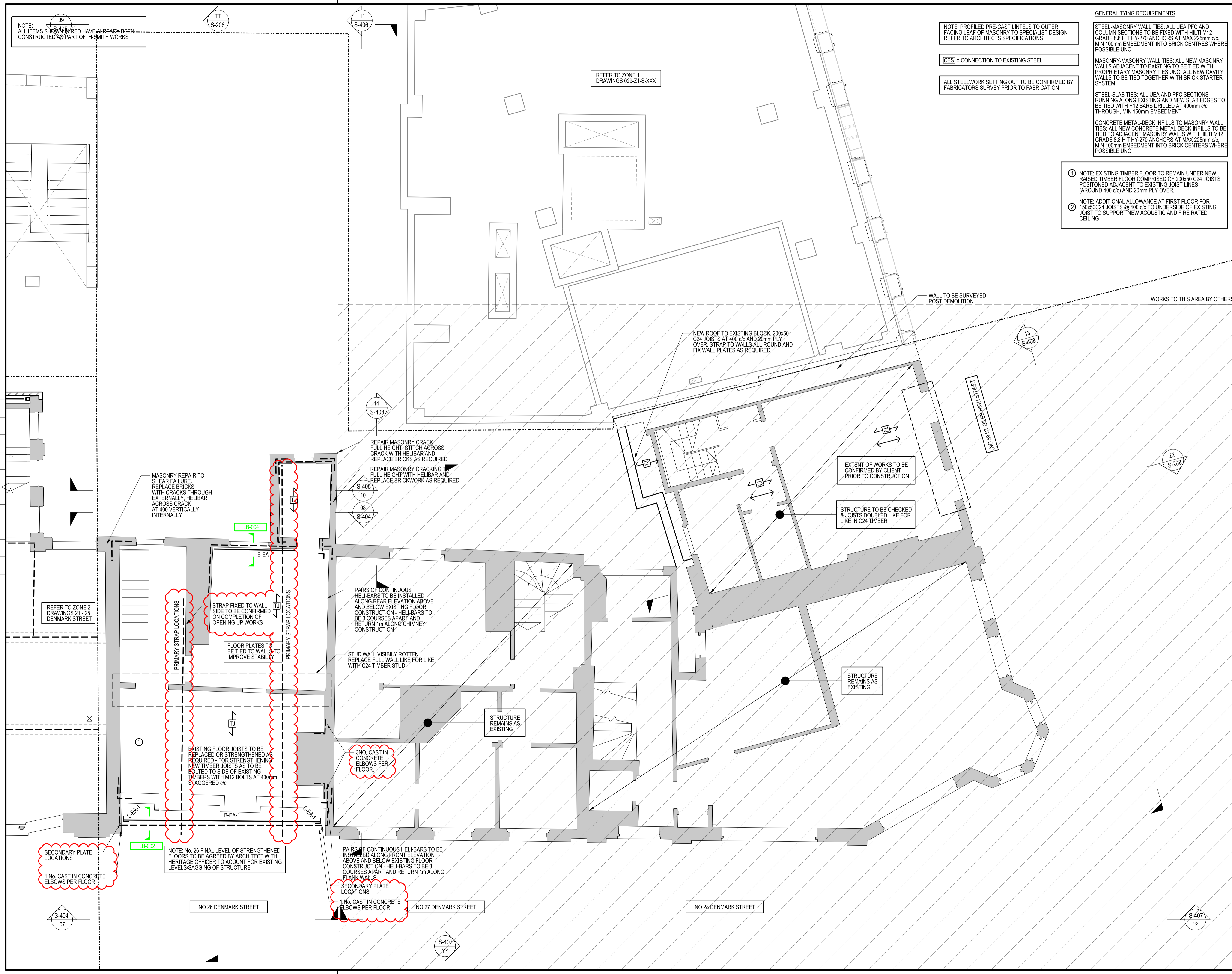
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PROJECT FILE ZONE 2	SCALE 1:50 @ A1 @ A3
PROJECT NUMBER 029	DATE 28.05.15
DRAWING NO. ZZ-S-135	REVISION C2



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

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

REFER TO ZONE 2 DRAWINGS Z1-Z2 DENMARK STREET

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

LB-004

B-EA

LB-002

B-EA-1

B-EA-1

LB-002

B-EA-1

B-EA-1

B-EA-1

B-EA-1

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

REPAIR MASONRY CRACKING FULL HEIGHT WITH HELIBAR AND REPLACE BRICKWORK AS REQUIRED

PAIRS OF CONTINUOUS HELIBARS TO BE INSTALLED ALONG REAR ELEVATION ABOVE AND BELOW EXISTING FLOOR CONSTRUCTION - HELIBARS TO BE 3 COURSES APART AND RETURN 1m ALONG CHIMNEY CONSTRUCTION

STUD WALL VISIBLY ROTTEN. REPLACE FULL WALL LIKE FOR LIKE WITH C24 TIMBER STUD

EXISTING FLOOR JOISTS TO BE REPLACED OR STRENGTHENED AS REQUIRED - FOR STRENGTHENING NEW TIMBER JOISTS AS TO BE BOLTED TO SIDE OF EXISTING TIMBERS WITH M12 BOLTS AT 400mm STAGGERED c/c

3NO. CAST IN CONCRETE ELBOWS PER FLOOR

PAIRS OF CONTINUOUS HELIBARS TO BE INSTALLED ALONG FRONT ELEVATION ABOVE AND BELOW EXISTING FLOOR CONSTRUCTION - HELIBARS TO BE 3 COURSES APART AND RETURN 1m ALONG FLANK WALLS

1 No. CAST IN CONCRETE ELBOWS PER FLOOR

SECONDARY PLATE LOCATIONS

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SECONDARY PLATE LOCATIONS

NEW ROOF TO EXISTING BLOCK. 200x50 C24 JOISTS AT 400 c/c AND 20mm PLY OVER. STRAP TO WALLS ALL ROUND AND FIX WALL PLATES AS REQUIRED

WALL TO BE SURVEYED POST DEMOLITION

WORKS TO THIS AREA BY OTHERS

EXTENT OF WORKS TO BE CONFIRMED BY CLIENT PRIOR TO CONSTRUCTION

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

STRUCTURE REMAINS AS EXISTING

STRUCTURE REMAINS AS EXISTING

S-404 07

NO 26 DENMARK STREET

NO 27 DENMARK STREET

NO 28 DENMARK STREET

S-407 12

S-407 YY