

Where joists or trusses sit into joist hangers, their ends are to be rebated and chamfered as required to ensure underside of timber is flush with underside of hanger. Structural timber shall be graded softwood complying with BS 5268. Structural timber shall be grade C16 unless noted otherwise on these drawings, arnd/or required by a specialist manufacturer. Wall ties to be stainless steel double triangle or vertical twist, generally at 450mm vertical centres and 900mm horizontal centres. Extra ties to be provided at jambs, positioned at 225mm vertical centres and located within 150mm of the opening. All workmanship and materials are to be to current british & european standards. The contractor is responsible for and must take all necessary precautions to ensure the stability of the works, including excavations, at all times during construction. All existing services are to be located and protected as necessary by the contractor prior to the commencement of the works. Any discrepancies found on this or any other drawing relating to this scheme are to be reported to & resolved by the Structural Engineer before the commencement of any work relevant to the discrepancy or ordering of materials. This drawing to be read in conjunction with all relevant Engineers, Architects and specialist Contractor's drawings, specifications, instructions etc. The Site Investigation report must also be read in conjunction with this drawing. The Contractor is to check and confirm all the dimensions & details shown on this drawing prior to construction. Solid strutting shall be provided at or near ends of joists not solidly built into bearings and at spacing as shown on the drawings. Provide double joists under all partitions running parallel to span. Where steel to steel connections are indicated on the structural drawings, these shall be designed and detailed by the Fabricator in accordance with the ultimate/factored loads as indicated on the drawings. Designs and fabrication drawings shall be submitted to the Engineer and Architect a minimum of 2 weeks prior to fabrication commencement for comment. SYSTEM 3c: C3 — Medium risk: Interior of building but exposed within unheated areas. FIRE PROTECTION REQUIRED: Blast clean to SA 2½ to BS 7079 and paint protect with 50um of Met L674 Blast Primer (shop applied post fabrication). Intumescent System: Firetex M76 intumescent coating applied on site (in thicknesses as specified by Leigh's Paints). Firetex C75 special finish applied with a DFT of 50um (NOTE: a similar approved system may also be used). SYSTEM 3b: C3 — Medium risk: Exterior of building: TO BE USED WHERE GALVANISING IS NOT APPROPRIATE eg CURVED MEMBERS, COMPLICATED ASSEMBLIES ETC. (As advised by the Fabricator). Blast clean to SA 2½ to BS 7079 and paint protect with 80um of Zinc Phosphate Epoxy Primer followed by 100um of High Build Epoxy (MIO). Recommended Architectural finish: 60um Recoatable Polyurethane. The Fabricator is to ensure compatibility of the primer with the Architects chosen finish. Where steel beams bear on padstones, they shall be mechanically fastened, unless noted otherwise with 2No. M10 chemical anchors at both ends to prevent overturning. SYSTEM 2: C3 — Medium risk: As C2 but partially exposed within the cavity: Blast clean to SA 2½ to BS 7079 and paint, post fabrication with 80um of Zinc Phosphate Alkyd Primer. Faces exposed within the cavity shall be additionally protected with 150um of High Build Bitumen after erection. SYSTEM 3a: C3 — Medium risk: Exterior of building: Blast clean to SA 2½ to BS 7079 and hot—dip galvanise to BS 729 with a minimum average soating thickness of 80um after fabrication. NOTE: should Architectural paint finishes be required, additionally treat steel with a mordant wash followed by a vinyl primer with a DFT of 40um. Recommended Architectural finish: 60um Recoatable Polyurethane. The Fabricator is to ensure compatibility of the primer with the Architects chosen finish. ork is to be board protected 203x203UC46 with 10mm top plate to support wall, roof & floor over 203x203UC52 with 10mm top plate to support wall, roof & floor over 203x203UC46 with 10mm top plate to support wall, roof & floor over New 250mm RC slab with 2No. layers of B785 mesh, 1No. top & 1No. bottom (50mm cover). Basement \exists \triangleright Boundary Line | 2 | >PAD Plan \triangleright \Box 힏 פן Б Indicating PAD B PAD PAD PAD B Boundary Line | Structure with 10mm top plate where required to support wall and floor over 203x203UC46 with 10mm top plate where required to support wall and floor over 203x203UC71 to support floor, roof and UC's over 203x203UC71 to support floor, roof and UC's over

STRUCTURAL STEELWORK

All structural steelwork is to be drawn, fabricated, erected, etc in accordance 3tructural Steelwork Specification for Building Construction' and as noted below

SYSTEM 1: C2 — Low risk: Hidden within the building interior in dry heated areas: Blast clean to SA 2½ to BS 7079 and paint, post fabrication with 80um of Zinc Ph Primer.

Steelwork shall be corrosion and/or fire protected in accordance with the followi

with BS 5950: 2000.

All lintels to have a mir

um bearing of 150r

All masonry below dpc to be 35N/mm² FL or FN quality bricks or quality. Where specific strengths/materials are shown on the drawin locations indicated.

Masonry below dpc to be set in 1:3 cement/sand mortar unless shown

For locations of new service pipes, cables etc. passing through walls, floors and fouto services layout by architect.

If ground water is encountered during excavation of the four pumping of excavations.

support walls to ground floor beams to be 100

ım brickwork

All bricks above dpc to be 21N/mm² FL or FN quality. Block strength requirements to be as follows:

Foundation to Ground: Ground to Roof:

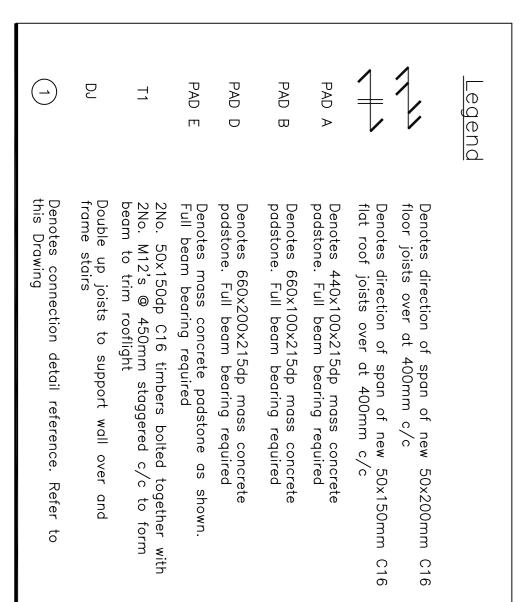
7.3N/mm² unless noted otherwise on plan. 7.3N/mm² unless noted otherwise on plan.

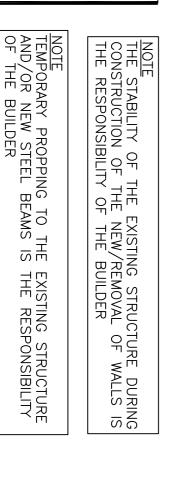
Where specific strengths/materials are shown on the dravindicated.

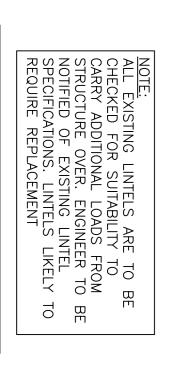
dpc to be set in 1:1:6 cen

GENERAL NOTES

Do not scale this dra



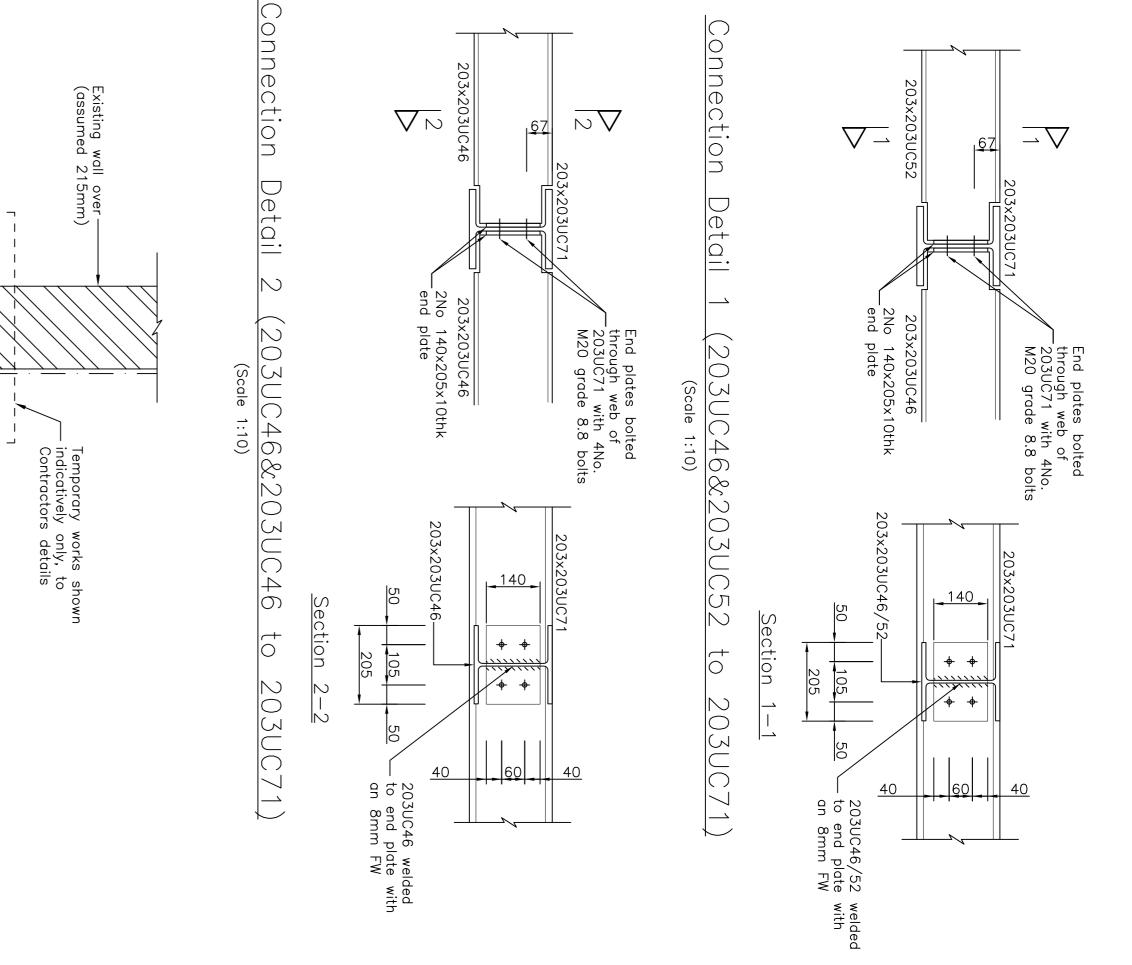




NOTE:
THE BUILDER IS TO CONSIDER THE BUILD
SEQUENCE SO AS NOT TO COMPROMISE THE
STABILITY OF THE EXISTING EXTERNAL WALLS
DURING THE REMOVAL OF EXISTING INTERNAL
WALLS

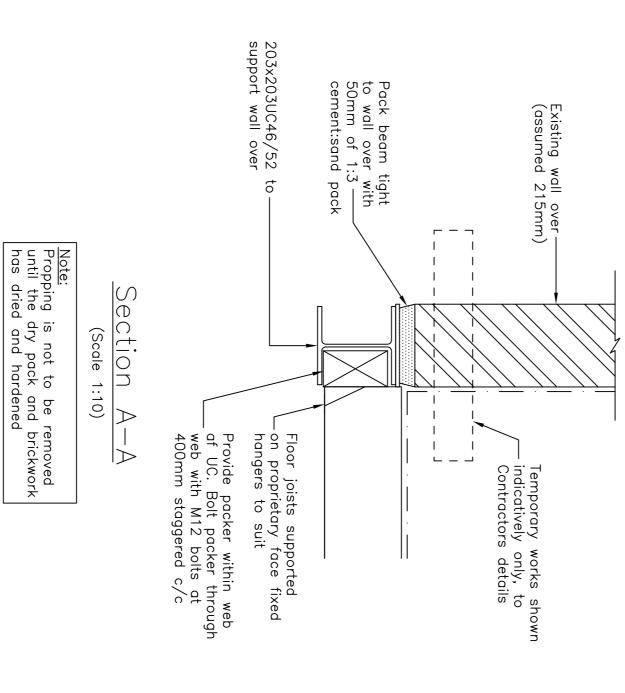
Note:

Roof and floor strapping to be strictly in accordance with current regulations



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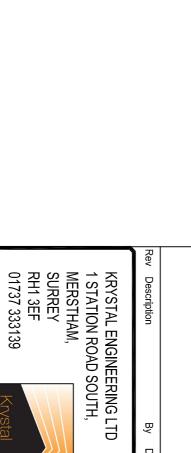
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26.

Ends of joists, where built into exte with the Architects specification.

Unless noted otherwise on the Architects/Specialists draw to achieve a minumum fire resistance of 1.0 hours.



EXTENSIONS & ALTERATIONS TO 40A PARK HILL ROAD, LONDON, NW3 2YP

wn By NB BUILDING REGS APPROVAL

Checked By KH MR MIRANDER

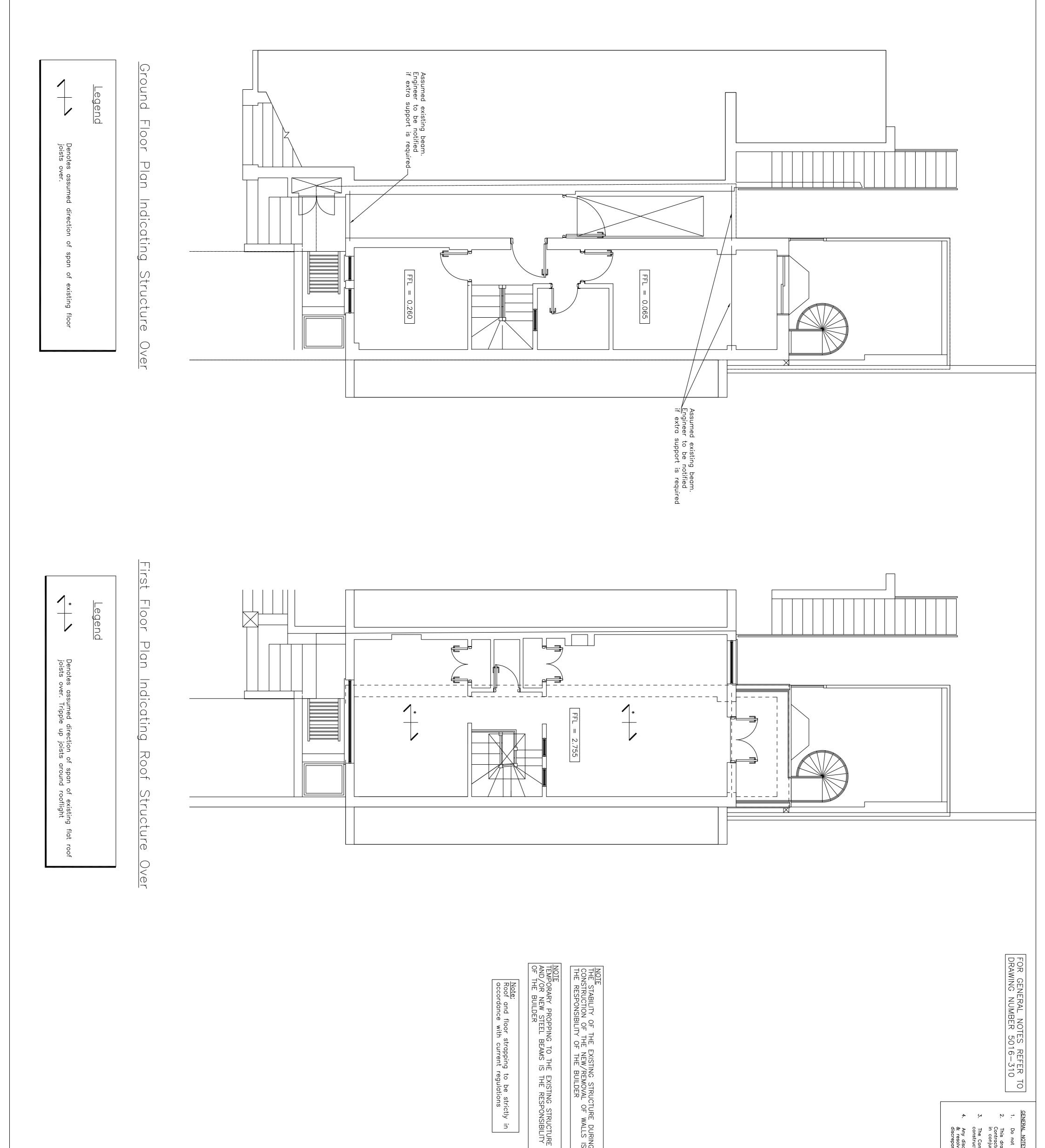
Scale 1:50/10 @ A1 Date

Trawing Status RI III DING REI

JULY '17

5016-310

BASEMENT FLOOR PLAN INDICATING STRUCTURE OVER



Note:
Roof and floor strapping to be strictly in accordance with current regulations

EXISTING STRUCTURE DURING: NEW/REMOVAL OF WALLS IS

REFER TO 16-310

Do not scale this drawing.
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 This drawing to be read in conjunction with all relevant Engineers, Architects and specialist Contractor's drawings, specifications, instructions etc. The Site Investigation report must also be read in conjunction with this drawing.
 The Contractor is to check and confirm all the dimensions & details shown on this drawing prior to construction.

Any discrepancies found on this or any other drawing relating to this scheme are to be reported to & resolved by the Krystal Engineering before the commencement of any work relevant to the discrepancy or ordering of materials.



GROUND AND FIRST FLOOR PLAN INDICATING STRUCTURE OVER

KRYSTAL ENGINEERING LTD
1 STATION ROAD SOUTH,
MERSTHAM,
SURREY
RH1 3EF
01737 333139

EXTENSIONS & ALTERATIONS TO 40A PARK HILL ROAD, LONDON, NW3 2YP

Drawing Status BUILDING REGS APPROVAL

Drawing Status BUILDING REGS APPROVAL

Checked By KH 5016-315 wn By NB

