GENERAL

- G2. ALL DIMENSIONS SHOWN ARE APPROXIMATELY ONLY AND MUST BE CHECKED AND CONFIRMED BY THE CONTRACTOR VIA A FULL DIMENSIONAL SURVEY OF THE AREA OF THE WORKS PRIOR TO UNDERTAKING OF THE WORKS. THE ENGINEER MUST BE NOTIFIED IMMEDIATELY SHOULD ANY DISCREPANCIES BECOME APPARENT.
- G3. ALL DETAILS AND DIMENSIONS SHOWN RELATING TO THE EXISTING STRUCTURE ARE SCHEMATIC AND APPROXIMATE ONLY, BASED UPON NO EXPOSURE PRIOR TO COMMENCEMENT OF THE PREPARATION OF THESE DETAILS.
- G4. THE DEPTH AND LOCATION OF ANY SERVICES HAS NOT BEEN ESTABLISHED. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING THEM.
- G5. ALL WORKMANSHIP AND MATERIALS TO COMPLY WITH THE CURRENT BUILDING REGULATIONS AND RELEVANT CURRENT BRITISH STANDARDS.
- G6. THE CONTRACTOR SHALL ALLOW FOR ALL WORK NECESSARY TO OBTAIN FULL APPROVAL AND SATISFACTION OF THE BUILDING INSPECTOR.
- G7. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE CURRENT HEALTH & SAFETY AT WORK ACT AND CONSTRUCTION REGULATIONS.
- G8. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT HIS OPERATIONS DO NOT IN ANY WAY IMPAIR THE SAFETY OR CONDITION OF THE EXISTING STRUCTURE OR ADJACENT STRUCTURES. HE IS TO PROVIDE ANY TEMPORARY SUPPORTS, SHORING, ETC REQUIRED FOR THIS PURPOSE AND HE IS TO CAREFULLY INSPECT THE CONDITION OF THE STRUCTURES BOTH BEFORE AND DURING THE EXECUTION OF THE WORK. THE ENGINEER IS TO BE NOTIFIED IMMEDIATELY SHOULD ANY DAMAGE
- G9. ALL PROPRIETARY PRODUCTS TO BE USED IN STRICT ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS AND RECOMMENDATIONS.
- G10. THIS DRAWING TO BE READ IN CONJUNCTION WITH
- THE FOLLOWING: STRUCTURAL SPECIFICATION
- b) ARCHITECTS DRAWINGS c) ARCHITECT'S SPECIFICATION
- G11. THE BUILDING SET-OUT, INCLUDING FLOORS AND GROUND LEVELS, IS TO BE OBTAINED FROM THE ARCHITECTS DRAWINGS.

CONCRETE

- C1. ALL CONCRETE, UNLESS NOTED OTHERWISE, TO BE GRADE RC32/40 WITH A MAXIMUM AGGREGATE SIZE OF 20mm, A MINIMUM CEMENT CONTENT OF 300kg/m3 AND A MAXIMUM FREE WATER/CEMENT RATIO OF 0.6. ONLY READY MIXED CONCRETE IS TO BE USED.'BARROW MIX' CONCRETE OR SITE MIXED CONCRETE ARE STRICTLY PROHIBITED.
- C2. ALL CONCRETE TO BE PROPERLY POKER VIBRATED.
- C3. THE CONCRETE SPECIFICATION PRESUMES NO SULPHATES OR AGGRESSIVE MATERIALS ARE PRESENT WITHIN THE GROUND. THE ENGINEER IS TO BE NOTIFIED IMMEDIATELY IF ANY ARE DISCOVERED OR SUSPECTED.
- C4. BACKFILLING OF EXCAVATIONS IS TO BE CARRIED OUT USING SELECTED EXCAVATED MATERIAL IN LAYERS NOT EXCEEDING 150mm THICKNESS AND WELL COMPACTED.

REINFORCEMENTS

BS4483.

- R1. ALL FABRIC REINFORCEMENT TO COMPLY WITH
 - R2. ALL REINFORCEMENT, UNLESS NOTED OTHERWISE, IS TO BE HIGH TENSILE TYPE 2 DEFORMED.
 - R3. LAP TO FABRIC TO BE 300mm MINIMUM (UP TO LAP TO H12 BARS TO BE 450mm MINIMUM LAP TO H16 BARS TO BE 600mm MINIMUM LAP TO H2O BARS TO BE 750mm MINIMUM LAP TO H25 BARS TO BE 950mm MINIMUM
 - R4. CONCRETE COVER TO REINFORCEMENT TO BE AS DETAILED BELOW, UNLESS NOTED OTHERWISE. 75mm ON TOP OF CLEAN GROUND 50mm ON TOP OF BLINDED GROUND 50mm TO SIDES OF GROUND BEAMS 35mm TO ALL SIDES OF ALL OTHER BEAMS 35mm TO TOP OF FLOOR SLABS
 - R5. THE ENGINEERS CONSENT MUST BE REQUESTED REGARDING THE FIXING OF REINFORCEMENT AND FORMWORK, ETC. PRIOR TO PLACING OF CONCRETE.
 - R6. ALL REINFORCEMENT TO BE SECURELY SUPPORTED IN THE SPECIFIED POSITION BY PROPRIETARY PRODUCTS TO PREVENT MOVEMENT OF THE REINFORCEMENT AS CONCRETE IS BEING POURED.

CONCRETE SLAB

- CS1. THE SLAB IS TO BE FOUNDED ON A BEARING STRATA WITH A MINIMUM GROUND BEARING CAPACITY OF 150 kN/m2. PRIOR TO CASTING CONCRETE TO FOUNDATIONS, THE CONTRACTOR MUST OBTAIN APPROVAL FROM THE LOCAL AUTHORITY BUILDING CONTROL OFFICER ON THE GROUND BEARING CAPACITY. IN ADDITION, THE ENGINEER MUST BE PROVIDED WITH A MINIMUM 3 DAYS NOTICE TO ALLOW AN INSPECTION TO BE CARRIED OUT IF REQUIRED BY THE CLIENT.
- CS2. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT HIS OPERATIONS DO NOT IN ANY WAY IMPAIR THE SAFETY OR CONDITION OF THE EXISTING STRUCTURE OR ADJACENT STRUCTURES. HE IS TO PROVIDE ANY TEMPORARY SUPPORTS, SHORING, ETC REQUIRED FOR THIS PURPOSE AND HE IS TO CAREFULLY INSPECT THE CONDITION OF THE STRUCTURES BOTH BEFORE AND DURING THE EXECUTION OF THE WORK. THE ENGINEER IS TO BE NOTIFIED IMMEDIATELY SHOULD ANY DAMAGE OCCUR.
- CS3. ALL CONCRETE FOR SLAB, UNLESS NOTED OTHERWISE, TO BE GRADE C32/40 READY MIXED CONCRETE BATCHED IN A PLANT UNDER CONTROLLED CONDITIONS WITH A MAXIMUM AGGREGATE SIZE OF 20mm, A MINIMUM CEMENT CONTENT OF 300kg/m AND A MAXIMUM FREE WATER/CEMENT RATIO OF 0.6
- CS5. ALL CONCRETE TO BE PROPERLY POKER VIBRATED USING A POKER CAPABLE OF A MINIMUM OF 10,000 CYCLES PER MINUTE AND THE CONCRETE IS TO BE VIBRATED UNTIL AIR VOIDS HAVE BEEN REMOVED BUT THE CONCRETE MUST NOT BE OVER-VIBRATED TO CAUSE THE AGGREGATE TO SINK AND BECOME UNEVENLY DISTRIBUTED THROUGHOUT THE SLAB.

UNDERPINNING

- U1. UNDERPINNING IS TO BE CARRIED OUT TO THE SATISFACTION OF THE ENGINEER AND LOCAL AUTHORITY IN SHORT SECTIONS AS SHOWN IN SUCH A MANNER THAT ADEQUATE SUPPORT IS AT ALL TIMES MAINTAINED TO THE UNDERSIDE OF THE WALL FOR AT LEAST THREE-QUARTERS OF ITS LENGTH AND THAT SECTIONS OF WORK IN PROGRESS AT ANY ONE TIME ARE SEPARATED BY A DISTANCE OF AT LEAST 2m. AS FAR AS PRACTICABLE EXCAVATION AND CONCRETING OF ANY SECTION OF UNDERPINNING SHALL BE CARRIED OUT ON THE SAME DAY.
- U2. THE CONCRETE IS TO BE CAST ABOVE THE UNDERSIDE OF THE EXISTING FOOTING. THE PINNING IS TO BE IN ACCORDANCE WITH THE SPECIFICATION.
- U3. UNDERPINNING TO BE CARRIED OUT IN SEQUENCE SHOWN OR THE CONTRACTORS OWN SUBMITTED AND APPROVED SEQUENCE, ALLOWING TWO DAYS MINIMUM TO BE LEFT BETWEEN PINNING UP AND EXCAVATING ADJACENT PINS.
- U4. SUITABLE BEARING STRATA TO BE APPROVED BY BUILDING CONTROL OFFICER PRIOR TO CASTING OF NEW PINS.
- U5. CONCRETE UNDERPINNING TO BE POURED IN LAYERS AND WELL VIBRATED USING VIBRATING POKER TO ENSURE NO VOIDING.
- U6. ALL WORK TO COMPLY WITH BUILDING REGULATIONS.
- U7. ALL UNDERPINS TO BE LOCATED CENTRALLY UNDER WALLS.
- U8. BACKFILLING OF EXCAVATIONS SHALL BE CARRIED OUT USING SELECTED EXCAVATED MATERIAL IN LAYERS NOT EXCEEDING 150mm THICKNESS AND WELL COMPACTED.

PILES TO BE DESIGNED BY CONTRACTOR TO S.W.L SUPPLIED BY STRUCTURAL ENGINEER

- P2. THE USE OF DRIVEN PILES IS NOT PERMITTED
- P3. PILES ARE TO BE SET OUT TO ARCHITECTS DIMENSIONS WITH SUPPLEMENTARY INFORMATION FOR STRUCTURAL ENGINEER WHERE REQUIRED
- P4. TOLERANCE ON PLAN POSITIONING OF PILE IS +/-
- P5. TESTING OF PILES IS TO BE IN ACCORDANCE WITH THE SPECIFICATION
- P6. PILES ARE TO BE DESIGNED TO ACCOMMODATE 10% OF S.W.L APPLIED LATERALLY AT THE HEAD OF THE

DRAWING TO BE READ IN CONJUNCTION WITH STRUCTURAL ENGINEER AND ARCHITECTS SPECIFICATION

DO NOT SCALE THIS DRAWING.

Original Drawing Size A1

Notes

T 08/01/20 TENDER ISSUE P | 15/11/19 | PRELIMINARY ISSUE FOR COMMENTS Rev. Date Description Revisions





SHAFTESBURY THEATRE

PROPOSED BASEMENT

Drawing Title **NOTES** OCT 2019 AS SHOWN

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