NOTE: ALL SETTING OUT INFORMATION SHOWN ON THIS DRAWING TO BE CONFIRMED BY



STEEL COLUMN SCHEDULE									
SECTION Ref.	SIZE	STEEL GRADE	PAINT CONDITION	NOTES	DETAIL				
C101	203 x 203 UC 46	S275	C	SUPPORTED ONTO RETAINING WALL	1				
C102	203 x 203 UC 46	S275	C	SUPPORTED ONTO RETAINING WALL	1				
C103	203 x 203 UC 60	S275	C	SUPPORTED ONTO RETAINING WALL	1				
C104	203 x 203 UC 60	S275	C	SUPPORTED ONTO RETAINING WALL	1				
C105	203 x 203 UC 46	S275	C	SUPPORTED ONTO RETAINING WALL	1				
C106	203 x 203 UC 46	S275	C	SUPPORTED ONTO RETAINING WALL	1				

STEEL BEAM SCHEDULE								
SECTION Ref.	SIZE	STEEL GRADE	SURFACE TREATMENT	NOTES				
B001	203 x 203 UC 46	S275	C	TO SUPPORT EXTERNAL WALL & GLAZING				
B002	203 x 133 UB 30	S275	С	_				
B003	203 x 133 UB 30	S275	C	_				
B004	203 x 133 UB 30	S275	С	_				
B005	203 x 133 UB 30	S275	C	_				
B006	203 x 203 UC 46	S275	С	TO SUPPORT EXTERNAL WALL & BI FOLD				
B007-B013	150 x 90 PFC 24	S275	F	TO SUPPORT SKYLIGHTS/LIGHTWELL [ALL GALVANIZED]				

1. DO NOT SCALE THIS DRAWING. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE. ANY DISCREPANCIES ARE TO BE RECORDED AND REPORTED TO THE ENGINEERS IMMEDIATELY.

<u>NOTES</u>

UNDERPINNING SPECIFICATION

<u>.CODES OF PRACTICE</u> ALL CONTINUOUS UNDERPINNING IS TO BE CARRIED OUT STRICTLY IN ACCORDANCE WITH THE REQUIREMENTS OF B.S.8004, 1985. THE CODE OF PRACTICE FOR FOUNDATIONS. ALL MATERIALS USED IN THE WORKS SHALL COMPLY WITH THE RELEVANT CODES

IT IS THE CONTRACTOR'S RESPONSIBILITY TO TAKE ALL NECESSARY STEPS TO ENSURE THAT THE STRUCTURE IS ADEQUATELY PROPPED, SHORED AND BRACED TO ENSURE THAT DURING THE PROGRESS OF THE WORKS EXCESSIVE DEFLECTIONS AND DEFORMATIONS OF THE STRUCTURE DO NOT OCCUR. THE CONTRACTOR SHALL DISCUSS WITH THE ENGINEER ANY PROPOSALS FOR TEMPORARY WORKS. THIS DOES NOT IN ANY WAY RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO ENSURE THAT THE STRUCTURE IS ADEQUATELY SUPPORTED AT ALL TIMES DURING THE PROGRESS OF THE WORKS. IT IS FREQUENTLY NECESSARY FOR THE CONTRACTOR TO BRACE OF PROP EXISTING OPENINGS SO THAT ISOLATED LOAD BEARING PIERS MAY BE UNDERPINNED. THE CONTRACOR IS TO ALLOW IN HIS TENDER PRICE FOR ALL PROPPING, SHORING AND BRACING REQUIRED TO ENSURE THAT THE WORKS MAY BE SAFELY UNDERTAKEN WITH NO UNDUE DISRUPTION

THE ENGINEER AND APPROVED BY THE LOCAL AUTHORITY. THIS SHALL BE BASED ON A MAXIMUM LEG LENGTH OF APPROXIMATELY 1.2M. THE AGREED SEQUENCE OF OPERATIONS SHALL BE STRICTLY ADHERED TO. THE CONTRACTOR MAY WISH TO ALTER THE EXCAVATION AND CONCRETING SEQUENCE BUT THIS MUST BE DISCUSSED WITH THE ENGINEER/LOCAL AUTHORITY REPRESENTATIVE, AND NO DEVIATION FROM THE SEQUENCE OF OPERATIONS SHALL BE PERMITTED REPRESENTATIVE CONFIRMS OTHERWISE IN WRITING.

DURING EXCAVATIONS THE CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO PREVENT SOFTENING OF THE EXCAVATION BASE BY GROUND WATER. WHERE EXCAVATIONS FREE FROM GROUND WATER BY PUMPING. 9. CURING TIME THE CONTRACTOR SHALL ALSO ENSURE THAT THE BASE A SUFFICIENT TIME SHOULD ELAPSE BETWEEN THE CONTAMINATED BY LOOSE MATERIAL FALLING INTO THE EXCAVATION. THE CONTRACTOR SHALL TAKE STEPS TO ENSURE THAT THE SIZE OF THE EXCAVATION CLOSELY MATCHES THE REQUIRED SIZE AGREED WITH THE ENGINEER/LOCAL AUTHORITY REPRESENTATIVE. EXCESSIVE OVERBREAK WILL NOT BE PERMITTED. AND THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TRENCH SHEETING AND STRUTTING TO PREVENT OVERBREAK. THE CONTRACTOR MAY BE REQUIRED TO PROVIDE SHEETING AND STRUTTING TO PREVENT ANY INGRESS OF LOOSE MATERIAL BENEATH THE EXISTING SLAB. ALL UNDERPINNING EXCAVATIONS SHALL BE APPROVED BY THE LOCAL AUTHORITY REPRESENTATIVE

PRIOR TO CONCRETING THE CONTRACTOR SHALL INCORPORATE SHEAR KEYS TO PERMIT SHEAR TRANSFER BETWEEN ADJACENT UNDERPINNING LEGS WHERE NECESSARY PROJECTING DOWEL BARS SHOULD BE CLEANED OF ALL LOOSE DIRT PRIOR TO

ACCORDANCE WITH CURRENT LEGISLATION.

6. ALL SERVICES ARE TO BE LOCATED AND PROTECTED AS NECESSARY BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF THE WORKS.

7. ANY EXISTING DETAILS WHICH ARE SHOWN ON THIS DRAWING ARE FOR GUIDANCE ONLY AND ARE TO BE CHECKED ON SITE BY THE CONTRACTOR. ANY VARIATIONS ARE TO BE RECORDED AND REPORTED TO THE ENGINEER IMMEDIATELY.

6. CLEANING OF EXISTING FOOTINGS

THE UNDERSIDE OF ALL EXISTING FOOTINGS (WHERE EXPOSED BY EXCAVATION IN PREPARATION FOR UNDERPINNING) SHALL BE CLEANED OF ALL LOOSE SOIL AND FRAGMENTS. ANY MAJOR PROJECTIONS OR INCLUSIONS SUCH AS BRICKS BROKEN CONRETE OR BOULDERS SHALL BE

BROKEN AWAY FROM THE UNDERSIDE OF THE EXISTING FOOTING. PRIOR TO CONCRETING THE UNDERPINNING LEG THE EXISTING FOOTING SHOULD BE CLEAN FIRM AND LEVEL SO THE DRY PACKING MAY BE ACCOMPLISHED SATISFACTORILY.

CONCRETING

ALL CONCRETE SHALL BE GRADE C20 AND MIXED, DELIVERED. PLACED AND VIBRATED STRICTLY IN ACCORDANCE WITH THE CONCRETE SPECIFICATION CONTAINED IN B.S.8110:PART 1:1985. SULPHATE RESISTING CEMENT TO BE USED SHOULD SITE CONDITIONS DICTATE OR AS DIRECTED BY LOCAL BUILDING CONTROL OFFICER.

T SHOULD BE NOTED THAT THE CONCRETE SHOULD BE ADEQUATELY COMPACTED WITH A VIBRATORY POKER TO ENSURE ADEQUATE DENSITY. THE CONCRETE FOR THE UNDERPINNING LEGS SHOULD BE BROUGHT UP TO 75MM FROM THE UNDERSIDE OF THE EXISTING FOOTINGS.

8. DRY PACKING

ONCE THE CONCRETE IN THE UNDERPINNING LEGS HAS SET (AT LEAST 3 DAYS AFTER CONCRETE PLACEMENT) THE GAP BETWEEN THE UNDERSIDE OF THE EXISITING FOOTING AND THE TOP OF THE NEW FOOTING IS TO BE PACKED WITH DRY CONCRETE. MIX PROPORTIONS FOR THE DRY CONCRETE ARE TO BE BY WEIGHT 1:3 (CEMENT:ZONE 2 SHARP SAND) WITH COMBEX NON-SHRINK ADMIXTURE ADDED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. THE CONSTITUENTS ARE TO BE MIXED DRY AND A SMALL VOLUME OF WATER IS TO BE ADDED SUCH THAT WHEN COMPRESSED, A SMALL BAR OF THE MIXTURE RETAINS ITS SHAPE. THE DRY PACKING CONCRETE IS THEN TO BE RAMMED SOLID INTO THE GAP BETWEEN THE UNDERSIDE IF THE EXISTING FOOTING AND THE TOP OF THE NEW FOOTING USING A STEEL BAR.

COMPLETION OF DRY PACKING AND THE EXCAVATION OF ANY UNDERPINNING LEGS IN THE VICINITY. THE CURING TIME SHALL BE 24 HOURS, THIS BEING DEPENDENT UPON THE PREVAILING WEATHER CONDITIONS VICINITY IN THIS CONTEXT SHALL BE DEEMED TO

INCLUDE ALL LEGS ADJACENT TO, OR NEXT BUT ONE TO THE LEG IN QUESTION.

10. PROVISION FOR EXISTING SERVICES UNDERPINNING LEGS MAY BE PUNCTURED BY THE SERVICES ENTERING THE BUILDING. THE MEANS OF "SLEEVING" THESE SERVICES SHALL BE AGREED WITH THE ENGINEER DURING THE PROGRESS OF THE WORKS WHERE EXISTING SERVICES INTERFERE WITH OR AFFECT THE UNDERPINNING EXCAVATION THESE SERVICES SHOULD BE TEMPORARILY DIVERTED.

P2	REVISED DESIGN ACCORDING TO LATEST ARCHITEC	T'S DRAWINGS	КР	DIS	12 09 2018		
P1	INITIAL ISSUE		KP	DJS	13.08.2018		
Rev	Amendments		Drawn	Approved	Date		
CIVIL & STRUCTURAL CONSULTING ENGINEERS LONDON + MIDLANDS + EAST ANGLA + MANCHESTER + GREECE Visit our website: www.jmsengineers.co.uk Or scan QR code Document was issued from Image: State Anglia Tel: 01473 487250 Unit 10 Brightwell Barns, Waldringfield Road, Suffolk IP10 0BJ Other offices include: JMS London Tel: 0207 043 4619 JMS Midlands Tel: 02476 350505 JMS Manchester Tel: 0161 7904404 JMS Greece Tel: 0030 2310 960636							
^{Project} 74 FORTUNE GREEN ROAD NW6 1DS							
Drawing Title PROPOSED FOUNDATION LAYOUT PROPOSED LOWER GROUND FLOOR PLAN SHOWING STRUCTURE OVER							
Client ENTIRE HOUSE Ltd							
^{Draw} KP	in by	Designed by KP					
Appr DJS	Dived by Checked by DJS						
Scal AS	e SHOWN @ A1	Date AUGUST 2018					
Drawing No. EX18_132_07 / 500					^{Rev.} P2		