

PROPOSED SEQUENCE OF OPERATIONS FOR FACADE RETENTION

1. REMOVE ALL REDUNDANT SERVICES, FITTINGS, PLASTER AND LOOSE MATERIAL FROM THE EXISTING FACADE.
2. UNDERTAKE A CONDITION SURVEY OF THE FRONT FACADE.
3. LIAISE WITH RELEVANT SERVICES UTILITIES COMPANIES TO SEEK PERMISSION TO COVER INSPECTION CHAMBERS IN GREVILLE STREET PAVEMENT AND ROAD WITH ROAD PLATES PRIOR TO CASTING RC KENTLEDGE FOUNDATIONS.
4. ALL EXISTING AND PROPOSED DIMENSIONS ARE TO BE CONFIRMED PRIOR TO ANY FABRICATION OF THE FACADE RETENTION STEELWORK.
5. CONSTRUCT THE RC KENTLEDGE FOUNDATIONS AND ERECT THE FACADE RETENTION STEELWORK IN ACCORDANCE WITH THE TEMPORARY WORKS DRAWINGS.
6. PACK TIGHT BETWEEN THE STEEL WALER BEAMS AND THE RETAINED MASONRY FACADE WITH HARDWOOD TIMBER FOLDING WEDGES / PACKERS TO EFFECT THE RESTRAINT OF THE FACADE BY THE TEMPORARY STEEL WALERS.
7. INSTALL AND COMMISSION MOVEMENT MONITORING POINTS ON THE FACADE AND TEMPORARY PROPPING STEELWORK. CHECK THAT ALL MONITORING POINTS ARE VISIBLE FROM THE REMOTE OPTICAL INSTRUMENT STATIONS.
8. ALL WINDOWS / OPENINGS ARE TO BE FRAMED OUT AND CROSS BRACED WITH 100X50 C16 TIMBER SECTIONS PRIOR TO COMMENCEMENT OF THE DEMOLITION.
9. OTHER THAN THE SITE CABINS, NO ADDITIONAL LOADINGS, E.G. SCAFFOLD, PLATFORM MATERIALS, ETC ARE TO BE APPLIED TO THE FACADE RETENTION FRAMEWORK.
10. CAREFULLY DEMOLISH THE EXISTING STRUCTURE BEHIND THE FACADE FROM ROOF– GROUND LEVEL IN A TOP–DOWN SEQUENCE IN ACCORDANCE WITH THE APPROVED METHOD STATEMENT.
11. ANY VOIDS IN THE FACADE CREATED DURING THE DEMOLITION SHOULD BE REPAIRED WITH SOLID BRICKWORK AS THE DEMOLITION WORK PROCEEDS.

STEELWORK CONNECTION DESIGN FORCES (ULTIMATE)

203UC46 COLUMNS

- AXIAL 240 KN
- SHEAR 50 KN
- MOMENT 25 KNM

152UC30 HORIZONTALS & RAKER TO LEVEL E

- AXIAL 100 KN
- SHEAR 10 KN
- MOMENT 15 KNM

150X150X12 RSA VERTICAL DIAGONAL BRACING (VB)

- AXIAL 140 KN
- SHEAR 5 KN
- MOMENT 5 KNM

150X150X12 RSA HORIZONTAL DIAGONAL BRACING (HB)

- AXIAL 20 KN
- SHEAR 5 KN
- MOMENT 5 KNM

152UC30 CANTILEVER STUBS

- SHEAR 5 KN
- MOMENT 5 KNM

NOTE: CONSIDER AXIAL FORCE IN COMPRESSION OR TENSION AND DESIGN CONNECTIONS FOR BOTH LOAD CASES.

NOTES:

1. DO NOT SCALE. WORK TO FIGURED DIMENSIONS ONLY. ALL DIMESIONS, SETTING OUT AND LEVELS ARE TO BE CONFIRMED PRIOR TO THE COMMENCEMENT OF ANY SITE WORKS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE AND MUST TAKE ALL PRECAUTIONS TO ENSURE THE STABILITY OF THE STRUCTURE DURING THE COURSE OF THE WORKS.
3. ALL DIMENSIONS ARE IN MILLIMETRES (MM) EXCEPTS LEVELS WHICH ARE IN METRES
4. ALL STRUCTURAL STEEL TO BE GRADE S275 TO BS EN 1993–1 UNLESS NOTES OTHERWISE.
5. ALL STRUCTURAL STEELWORK TO BE SHOT BALLASTED AND PAINTED WITH ONE COAT OF HIGH BUILD PHOSPHATE PRIMER TO 75 MICRONS DRY FILM THICKNESS.
6. ALL STRUCTURAL STEELWORK TO BE FABRICATED AND INSTALLED IN ACCORDANCE WITH THE NATIONAL STRUCTURAL STEELWORK SPECIFICATION.
7. ALL BOLTS TO GRADE 8.8 SHERADISED BOLTS AND ALL WELD TO BE MINIMUM 6MM FILLET WELDS UNLESS NOTED OTHERWISE.
8. ALL STRUCTURAL STEELWORK CONNECTIONS TO BE DESIGNED AND DETAILED BY STEELWORK SUBCONTRACTOR AND THE DESIGN ISSUED TO KINGSCOTE DESIGN LTD FOR CHECKING PRIOR TO FABRICATION.
9. THE STEELWORK SUBCONTRACTOR IS TO VISIT SITE TO RECORD DIMENSIONS BETWEEN EXISTING STRUCTURE TO DETERMINE LENGTH OF STEELWORK PRIOR TO FABRICATION.
- 10.ALL STEELWORK FABRICATION DRAWINGS ARE TO BE ISSUED TO KINGSCOTE DESIGN LTD FOR CHECKING PRIOR TO FABRICATION.

RESIDUAL RISKS:

THE CONTRACTOR AND HIS ASSOCIATED SUBCONTRACTORS ARE TO BE AWARE AND TAKE ALL RESONABLE MEASURES TO COUNTER THE FOLLOWING RESIDUAL RISKS IDENTIFIED BY KINGSCOTE DESIGN LTD IN THE EXECUTION OF THE WORKS ILLUSTRATED:

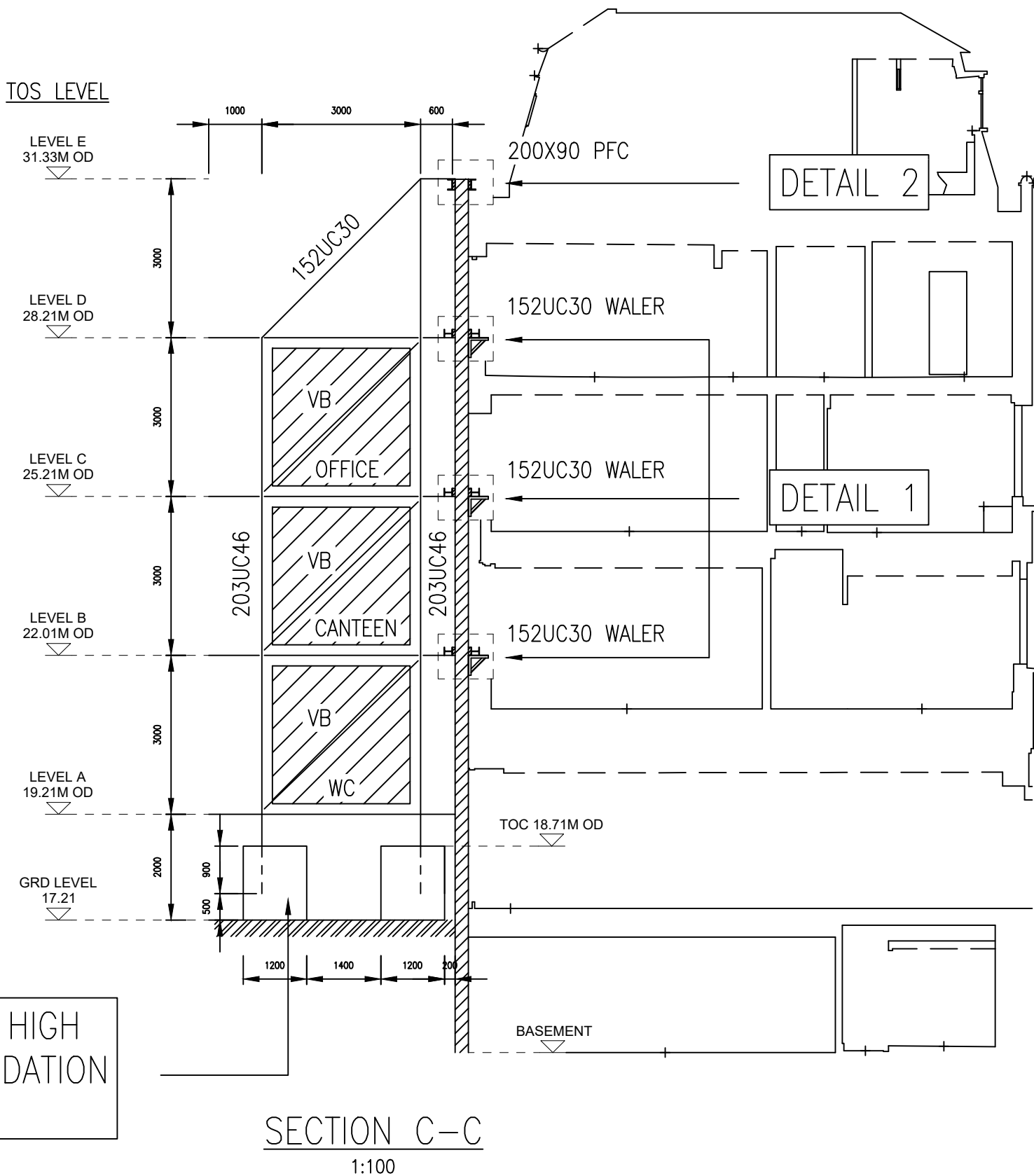
1. WORKING ABOVE AND IN CLOSE PROXIMITY TO THE GENERAL PUBLIC AND HIGHWAYS.
2. FALLS FORM HEIGHT OF PERSONS AND MATERIALS.
3. LIFTING INJURIES/ STRAINS DUE TO HANDLING HEAVY COMPONENTS/ EQUIPMENT.
4. IMPACT/ COLLISION DURING HANDLING OF STEEL SECTIONS.
5. LOCAL INSTABILITY OF FLOORS/ WALLS DURING ENABLING WORKS FOR STEEL INSTALLATION.
6. OVERLOADING OF EXISTING FLOORS DURING DEMOLITION DUE TO EXCESSIVE ACCUMULATION OF RUBBLE.
7. OVERLOADING OF EXISTING FLOORS DUE TO DEMOLITION PLANT & EQUIPMENT.
8. PLANT & VEHICLE IMPACT DURING STRUCTURAL DEMOLITION WORKS.
9. SKIN INFLECTIONS DUE TO HANDLING CEMENTITIOUS OR RESINOUS COMPOUNDS.
- 10.BURNS, ARC-EYE DURING ON-SITE STEEL ADAPTIONS & CONNECTIONS.

STEELWORK MEMBER REFERENCES

ALL STEEL COLUMNS: 203UC46
ALL BEAMS: 152UC30 EXCEPT B2: 200X90 PFC
LEVEL B, C & D (WALER): TOS 152UC30 AT 21.10M OD, 25.21M OD & 28.363 RESPECTIVELY
LEVEL E (WALER): TOS 200X90 PFC AT 31.18M OD

REMOVAL OF TEMPORARY FACADE RETENTION

FACADE RETENTION STRUCTURE TO REMAIN IN POSITION UNTIL AT LEAST 28 DAYS AFTER COMPLETION OF THE CONCRETE FRAME AND AN INSPECTION BY THE ENGINEER OF THE FIXINGS BETWEEN THE CONCRETE FRAME AND THE FACADE.



1.2M WIDE X 14.4M HIGH
X8M LONG RC FOUNDATION
TOC 18.71M OD

A	27/03/19	NOTE ON REMOVAL OF FACADE RETENTION ADDED	RS	JS
0	07/02/19	FOR APPROVAL	SR	JS
Rev.	Date	Revision	By	Chk

FOR APPROVAL

Client
OAKDEAN CONSTRUCTION LTD

Project
12–14 GREVILLE STREET
LONDON EC1N 8SB

Drawing Title
TEMPORARY FACADE
RETENTION FRAME SECTION

Drawn by
SR

Checked by
JS

Scale
1:100@A1

Date
06/02/19

Drawing No.
2007–22

Revision
A

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