

QUEENS COURT – READING

HIGH LEVEL CLADDING REPLACEMENT

SCAFFOLD DESCRIPTION

IT IS PROPOSED TO ERECT A SCAFFOLD TO THE FULL PERIMETER OF THE ABOVE TO ENABLE THE REMOVAL & REPLACEMENT OF THE CLADDING TO THE EXTERNAL FACES FROM FLOOR LEVEL 5 UP. SCAFFOLD CONSTRUCTION TO COMPLY WITH ALL RELEVANT CODES – NAMELY TG20:2013. WIND LOADS IN ACC WITH BSEN 1991-1-4. CONSTRUCTION TO ALL COMPLY WITH SG4-15 – NASC GUIDANCE NOTES.

SCAFFOLD DESCRIPTION TO BE READ IN CONJUNCTION WITH SKETCH NUMBERS 1005-1 & 6

1] SCAFFOLD ERECTED IN 1.8m TO 2m MAX BAYS TO THE PERIMETER OF THE BUILDING – HEIGHTS WILL VARY DEPENDING ON EITHER - A] SCAFFOLD OFF BASEMENT LEVEL – OR B] SCAFFOLD OFF GROUND LEVEL OR C] SCAFFOLD OFF HIGH LEVEL ROOF AREA. SCAFFOLDS TO BE 5 BOARD WIDE WITH 2 No INSIDE BOARDS AT FLOOR LEVEL 5 UP TO ROOF. THE SCAFFOLD OFF GROUND / BASEMENT etc WILL NEED TO BE OFFSET FROM THE BUILDING TO ENABLE THE INSIDE LEGS OF SCAFFOLD TO MISS THE PROJECTING SLAB AT LEVEL 5. THIS DIMENSION WILL BE APPROX 700mm. BASE SCAFFOLD OUT ON SUITABLE SOLEBOARDS. LEG LOADS TO BE CONFIRMED AT FINAL DESIGN STAGE. USE READYLOK TRANSOM UNITS OR SIMILAR TO AVOID THE NEED FOR LEDGER BRACING.

2] SCAFFOLD ERECTED IN 2.1m LIFT HEIGHTS TO FACILITATE THE ADDITION OF PLAN BRACING AT EACH LIFT TO ENABLE TIES TO BE POSITIONED ON COLUMN LINES – UPTO 8m APART MAX. ALLOW FOR THE LAPPING OF SLEEVES IN LEDGERS OR SIMILAR TO CATER FOR WIND LOADS.

3] SCAFFOLD TO BE TIED TO THE EXISTING STRUCTURE AT ALL TIMES ON AN APPROX GRID OF 2.1m VERTICALLY x 7-8m Max HORIZONTALLY. LATERAL TIE LOADS TO BE CHECKED AT THE FINAL SCAFFOLD DESIGN STAGE. TYPE OF TIES USED TO BE AGREED

4] ALLOW TO FULLY BOARD ALL LIFTS FROM APPROX 500mm BELOW FLOOR LEVEL 5 UPTO ROOF LEVEL [APPROX 10m HIGH] . AT FLOOR LEVEL 5 [FIRST WORKING BOARDED LEVEL] - ALLOW FOR A PLY OVERLAY FIXED TO THE BOARDED DECK TO CONTAIN DEBRIS ETC. **ABOVE FLOOR LEVEL 5** - ALLOW FOR THE TRANSOMS TO BE RETRACTABLE TO FACILITATE THE POSSIBEL REMOVAL OF THE INSIDE BOARDS– ALLOW FOR BRICK GUARDS - ALLOWFOR DEBRIS NETTING UPTO THE ROOF LEVEL. ALLOW FOR LADDER ACCESS LOCATIONS WITHIN SCAFFOLD BETWEEN LIFTS FROM FLOOR LEVEL 5 UP. NUMBER TO BE AGREED.

5] ALLOW FOR ONE NUMBER HAKI STAIRCASE [OR SIMILAR] TO THE FULL HEIGHT OF SCAFFOLD – POSITION TO BE AGREED. ALLOW AT THIS STAGE FOR IT TO BE FOUNDED AT BASEMENT LEVEL.

6] ALLOW FOR 1 No GOODS HOIST TO GIVE ACCESS TO ALL SCAFFOLD BOARDED LEVELS FROM FLOOR LEVEL 5 UP [INCLUDING ACCESS TO ROOF LEVEL] THE POSITION AT THIS STAGE TO BE AGREED – ALLOW FOR IT TO BE FOUNDED AT BASEMENT LEVEL. CAGE TO BE MINIMUM 2.2m LONG FOR CLADING PANELS.

7] PERIMETER OF SCAFFOLD TO BE CLAD IN TIMBER HOARDING APPROX 2400mm HIGH – COURTYARD AND PAZA WALK TO BE HOARDED AND CAR PARK AND HIGHWAY DOLLY TOWERS TO BE NETTED. HOARDING TO BE CHECKED DAILY FOR FLY POSTING AND GRAFFITI. MAINTENANCE TO BE CARRIED OUT AS REQUIRED. SIGNAGE FOR QUEENS COURT CAN BE ADDED BY FACILITIES MANAGEMENT IF DESIRED.

8] SCAFFOLD TO BE ALARMED TO PREVENT UNAUTHORISED ACCESS – EXTENT TO BE AGREED.

9] WHERE SCAFFOLDS ARE FOUNDED AT GROUND LEVEL THEY MUST BE BACK PROPPED TO THE BASEMENT LEVEL – [APPROX 5500mm HEIGHT] WHILST STILL MAINTAINING FULL VEHICULAR ACCESS BELOW AT ALL TIMES. THE FULL EXTENT TO BE DESIGNED TO SUIT LOADINGS FROM THE SCAFFOLD ABOVE. WHERE THE SCAFFOLD TOWERS OCCUR OVER VEHICLE ACCESS ROUTES TO ACCEPT APPROPRIATE SCAFFOLD BRIDGING BEAMS, THESE ROUTES MUST BE PROTECTED FROM POSSIBLE IMPACT LOADINGS USING CONCRETE JERSEY BARRIERS OR SIMILAR. WHERE THE SCAFFOLD IS ERECTED OFF COURTYARD PLANTER AREAS [GROUND LEVEL] THE SCAFFOLD MUST BE BEAMED BETWEEN THE EXISTING GROUND FLOOR SUPPORT STEELS AND PROPPED ONTO SAME WITH THE STEELS UNDER IN TURN PROPPED TO BASEMENT LEVEL. UNDER QUEENS WALK AREA THE EXISTING TROUGH & WAFFLE CONCRETE FLOOR MUST BE BACK PROPPED UNDER EACH SCAFFOLD LEG TO BASEMENT LEVEL. **SEE GENERAL LAYOUT PLAN NUMBER 1005-1.**

LOADINGS

1] SCAFFOLD TO BE DESIGNED TO SUPPORT A LIVE LOAD AT 1st DECK LEVEL AT ANY TIME OF 2KN/m². 1st INSIDE BOARDED AREA LIVE LOAD = MAX = 0.75KN/m². APPROX WEIGHT OF SCAFFOLD OFF BASEMENT LEVEL [inclusive of Live Load] = 12KN/m run – AND SCAFFOLD OFF GROUND LEVEL = APPROX 11KN/m run.

2] WIND LOAD IN ACCORDANCE WITH BSEN 1991-1-4.

3] HOIST LOADS TO BE DETERMINED BY SPECIALIST SUPPLIER.

4] HAKI STAIR CASE [OR SIMILAR] DESIGNED TO SUPPORT A MAX LEG LOAD OF 30KN.

6] BACK PROPPING DESIGNED TO SUPPORT SCAFFOLD LEG LOADS/BRIDGED LOADS.

7] EXTRA BOARDED LIFT AT SECOND FLOOR LEVEL TO FORM STORAGE GANTRY

ELEVATIONS 1 – 8 [SEE SKETCH DRAWING 1006-1]

ELEVATION 1 – NORTH END GRID 1 A-C

SCAFFOLD ERECTED PART OFF HIGH LEVEL ROOF AT FLOOR LEVEL 7 [APPROX 3m HIGH] AND PART OFF BASEMENT LEVEL [APPROX 3.3m HIGH].

ELEVATION 2 – EAST COURTYARD AREA GRID 1-5 C APPROX

SCAFFOLD ERECTED OFF GROUND LEVEL – COURTYARD PLANTER AREA – [APPROX 27m HIGH]. ALLOW FOR APPROPRIATE BRIDGING BEAMS AT PLANTER LEVEL TO MAINTAIN ACCESS IN BASEMENT AREA. ALLOW FOR BACK PROPPING DOWN TO BASEMENT LEVEL [APPROX 5.5m HEIGHT]

PLANTS AND SOIL TO BE REMOVED AND STORED AS REQUIRED AND REPLANTED WITH EXISTING OR NEW TO MATCH EXISTING.

ELEVATION 3 – NORTH COURTYARD AREA GRID 9 D-N APPROX

SCAFFOLD ERECTED OFF GROUND LEVEL – COURTYARD PLANTER AREA – [APPROX 27m HIGH]. ALLOW FOR APPROPRIATE BRIDGING BEAMS AT PLANTER LEVEL TO MAINTAIN ACCESS IN BASEMENT AREA. ALLOW FOR BACK PROPPING DOWN TO BASEMENT LEVEL [APPROX 5.5m HEIGHT]

PLANTS AND SOIL TO BE REMOVED AND STORED AS REQUIRED AND REPLANTED WITH EXISTING OR NEW TO MATCH EXISTING.

ELEVATION 4 – EAST – GRID LINE 9-13 N APPROX

SCAFFOLD ERECTED OFF QUEENS WALK GROUND LEVEL [APPROX 27m HIGH] – ALLOW TO BACK PROP THE EXISTING TROUGH & WAFFLE SLAB TO BASEMENT LEVEL [APPROX 5.5m HIGH]

ELEVATION 5 – SOUTH GRID LINE 13 – D- N APPROX

SCAFFOLD ERECTED OFF BASEMENT LEVEL – [APPROX 33m HIGH] . ALLOW TO BRIDGE ACCESS ROAD [AT GRID 13 L-M APPROX]. ALLOW FOR **EXISTING ALLEY ALONG GRID LINE 13 – C-L APPROX TO BE CLOSED FOR PUBLIC ACCESS**. ALLOW FOR CODED SECURITY GATE AT EACH END.

ELEVATION 6 – EAST GRID LINE 7-8 CL1 APPROX

SCAFFOLD ERECTED OFF BASEMENT FLOOR LEVEL [APPROX 33m HIGH]

ELEVATION 7 – SOUTH GRID LINE 8 – X – CL1 APPROX

SCAFFOLD ERECTED OFF BASEMENT FLOOR LEVEL [APPROX 33m HIGH] IN GRID LINE AREA 8 – C APPROX ALLOW FOR GOODS HOIST + STORAGE GANTRY.

ELEVATION 8 – WEST GRID LINE 1-8 A APPROX

SCAFFOLD ERECTED OFF BASEMENT FLOOR LEVEL [APPROX 33m HIGH] ALLOWING FOR A SERIES OF BRIDGES TO MAINTAIN ACCESS INTO PLANT ROOM DOORS [GRID LINE 6-7 A APPROX] – BRIDGING ACCESS ROADS TO GIVE VEHICLE ACCESS INTO AND OUT OF BASEMENT CAR PARK AREA – GRID 3-6 A APPROX WITH CENTRAL SUPPORT TOWER ON GRID LINE 3-A APPROX. ALSO BRIDGING AIR CON UNITS AT GRID LINE 5 A APPROX . HAIKI STAIRCASE AREA BETWEEN GRIDLINE 7-8

SCAFFOLD OFF LOAD POINTS

MAIN DELIVERY POINT TO BE BY THE HOIST

SUPPLEMENTARY SCAFFOLD LOADING POINTS TO BE.

BETWEEN GRIDLINES K-L ON ELEVATION 5

BETWEEN GRIDLINES A TO C ON ELEVATION 1 ACCESS ROAD

BETWEEN GRIDLINES 10-13 ON ELEVATION 4 PLAZA WALKWAY

SUITABLE EXCLUSION ZONES WILL BE USED WITH ACCOMPANYING RAMS FOR EACH AREA

HEALTH AND SAFETY

ALL SUBCONTRACTOR CSCS CARDS, WORKER DETAILS RAMS WILL BE HELD IN SITE FILES

SUBCONTRACTORS TO BE INDUCED BY JPW OSPREY SITE MANAGER

JPW OSPREY REPRESENTATIVE TO BE PRESENT DURING SCAFFOLDING OPERATIONS AND WILL CONDUCT SIGN IN AND SIGN OUT AND ENSURE SSO WHILE LOADING AND OFFLOADING.

DRAWING NUMBER 1005-1 & 1006-1 ARE INDICATIVE ONLY. SUITABLE SCAFFOLD CONTRACTOR TO PROVIDE DRAWINGS AND CALCULATIONS FOR CLIENT APPROVAL.

