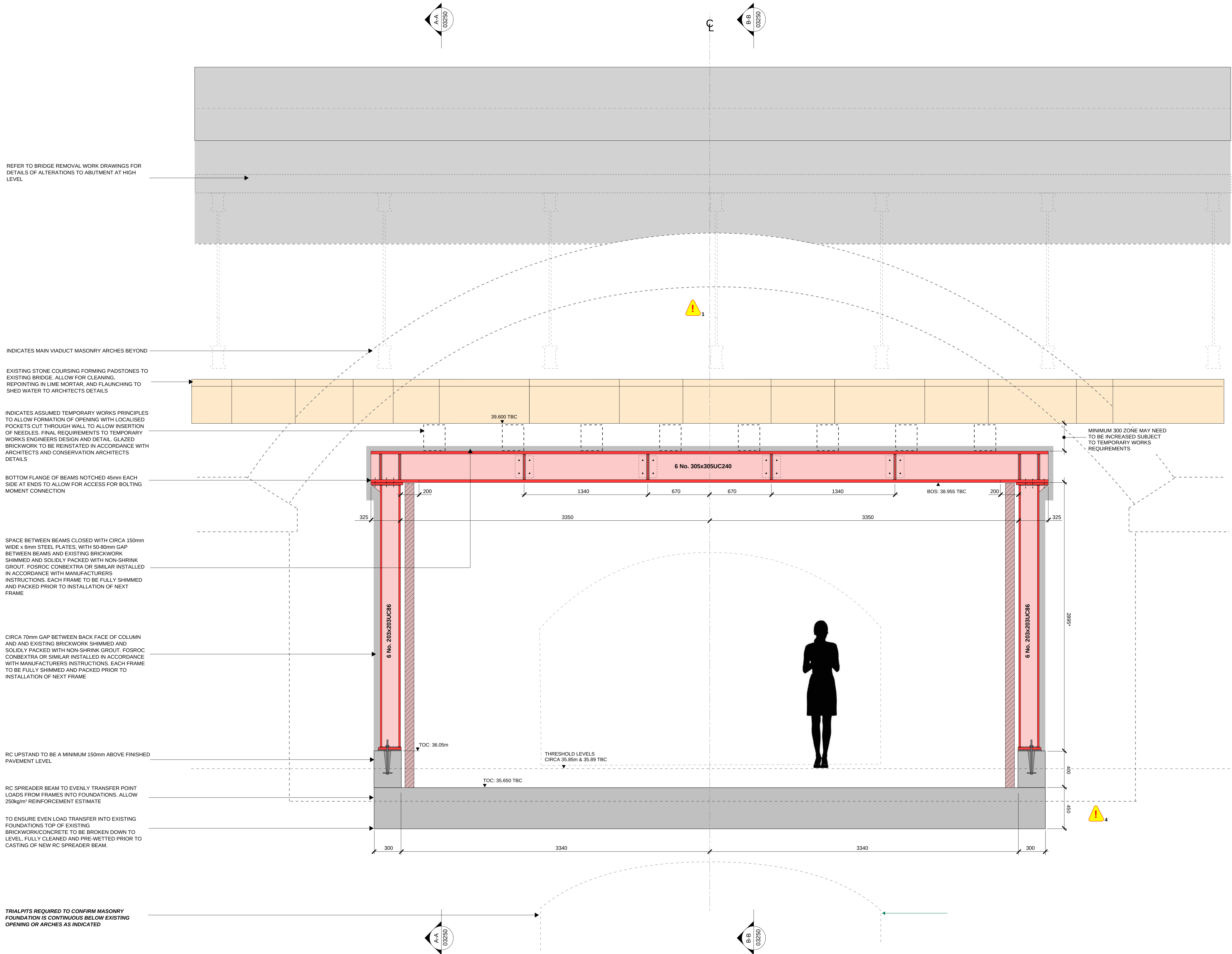




REFER TO BRIDGE REMOVAL WORK DRAWINGS FOR DETAILS OF ALTERATIONS TO ABUTMENT AT HIGH LEVEL

INDICATES MAIN VIADUCT MASONRY ARCHES BEYOND

EXISTING STONE COURSING FORMING PADSTONES TO EXISTING BRIDGE. ALLOW FOR CLEANING, REPOINTING IN LIME MORTAR, AND FLAUNCHING TO SHED WATER TO ARCHITECTS DETAILS

INDICATES ASSUMED TEMPORARY WORKS PRINCIPLES TO ALLOW FORMATION OF OPENING WITH LOCALISED POCKETS CUT THROUGH WALL TO ALLOW INSERTION OF NEEDLES. FINAL REQUIREMENTS TO TEMPORARY WORKS ENGINEERS DESIGN AND DETAIL. GLAZED BRICKWORK TO BE REINSTATED IN ACCORDANCE WITH ARCHITECTS AND CONSERVATION ARCHITECTS DETAILS

BOTTOM FLANGE OF BEAMS NOTCHED 45mm EACH SIDE AT ENDS TO ALLOW FOR ACCESS FOR BOLTING MOMENT CONNECTION

SPACE BETWEEN BEAMS CLOSED WITH CIRCA 150mm WIDE x 6mm STEEL PLATES, WITH 50-80mm GAP BETWEEN BEAMS AND EXISTING BRICKWORK SHIMMED AND SOLIDLY PACKED WITH NON-SHRINK GROUT. FOSROC CONBEXTRA OR SIMILAR INSTALLED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS. EACH FRAME TO BE FULLY SHIMMED AND PACKED PRIOR TO INSTALLATION OF NEXT FRAME

CIRCA 70mm GAP BETWEEN BACK FACE OF COLUMN AND AND EXISTING BRICKWORK SHIMMED AND SOLIDLY PACKED WITH NON-SHRINK GROUT. FOSROC CONBEXTRA OR SIMILAR INSTALLED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS. EACH FRAME TO BE FULLY SHIMMED AND PACKED PRIOR TO INSTALLATION OF NEXT FRAME

RC UPSTAND TO BE A MINIMUM 150mm ABOVE FINISHED PAVEMENT LEVEL

RC SPREADER BEAM TO EVENLY TRANSFER POINT LOADS FROM FRAMES INTO FOUNDATIONS. ALLOW 250kg/m² REINFORCEMENT ESTIMATE

TO ENSURE EVEN LOAD TRANSFER INTO EXISTING FOUNDATIONS TOP OF EXISTING BRICKWORK/CONCRETE TO BE BROKEN DOWN TO LEVEL, FULLY CLEANED AND PRE-WETTED PRIOR TO CASTING OF NEW RC SPREADER BEAM.

TRIAL PITS REQUIRED TO CONFIRM MASONRY FOUNDATION IS CONTINUOUS BELOW EXISTING OPENING OR ARCHES AS INDICATED

- GENERAL NOTES:**
- REFER TO DRAWING VI2-REN-00-XX-DR-S-00010 FOR GENERAL NOTES.
 - FOR ADDITIONAL NOTES REFER TO DRAWING VI2-REN-AA-ZZ-DR-S-03100.

- HEALTH & SAFETY NOTES:**
- 1** BRIDGE REMOVAL IS TO BE COMPLETE PRIOR TO FORMING OF NEW OPENINGS WITHIN EXISTING BRIDGE ABUTMENT. SIGNIFICANT TEMPORARY WORKS AND PHASING REQUIRED TO SAFELY FORM NEW OPENINGS AND IS TO BE DEVELOPED BY THE CONTRACTOR AND THEIR TEMPORARY WORKS ENGINEER
- 4** EXISTING SHALLOW SERVICES WITHIN THE PAVEMENT. CONTRACTOR AND THEIR TEMPORARY WORKS ENGINEER TO CONFIRM LOCATION ON SITE AND DESIGN WORKS TO MINIMISE THE RISK OF DAMAGE. DUE TO THE HIGH PROPPING LOADS IT MAY BE NECESSARY TO SPLIT DUCT AND CAST SERVICES WITHIN A SPREADER SLAB.

- KEY**
- * INDICATES DIMENSIONS AND LEVEL TO BE CONFIRMED ON SITE AND AGREE WITH THE ARCHITECT AND ENGINEER PRIOR TO FABRICATION AND EXECUTION OF THE WORKS

RIBA STAGE 3

ALL STRUCTURAL SIZES ARE INDICATIVE TO ALLOW FOR SPATIAL CO-ORDINATION (RIBA STAGE 3) AND OUTLINE COSTING BY THE PROJECT QUANTITY SURVEYOR AND CONTRACTOR. ALL STRUCTURAL SIZES AND REINFORCEMENT RATES ARE INDICATIVE AT THIS STAGE AND ARE SUBJECT TO CONFIRMATION AND ALTERATION AS THE STAGE 4 (TECHNICAL DESIGN) IS COMPLETED.

A DESIGN CONTINGENCY OF 10-15% IS RECOMMENDED TO ALLOW FOR DESIGN DEVELOPMENT DURING RIBA STAGE 4 (TECHNICAL DESIGN) AND INPUT CONTRACTOR DESIGNED PACKAGES.

P01	STAGE 3	03.11.21	GR	KG
Rev:	Description:	Date:	By:	Chkd:
renaissance Renaissance Associates Ltd Carvers Warehouse 77 Dale Street Manchester M1 2HG				
Project: VIADUX PHASE II, MANCHESTER				
Drawing Title: ABUTMENT OPENING TYPE 1 - ELEVATION				
Status: RIBA STAGE 3				
Size:	Date:	Drawn by:	Designed by:	Checked by:
A1	03.11.21	GR	GR	KG
Scale:	1:20	Project No:	2102-09	
Project:	Originator:	Volume:	Level:	Type:
Project:	Originator:	Volume:	Level:	Type:
VI2-REN-AA-ZZ-DR-S-03200-P01				