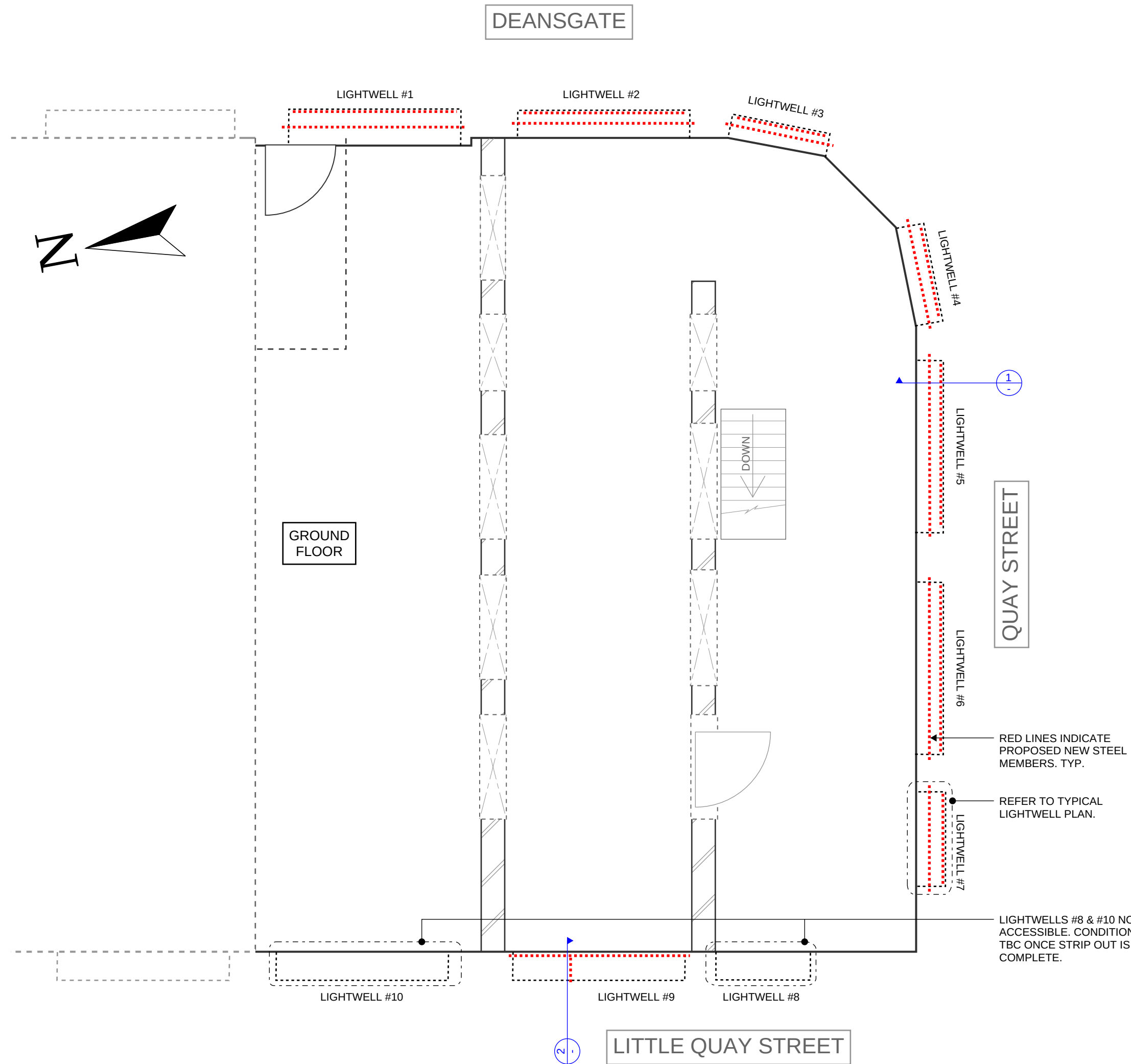
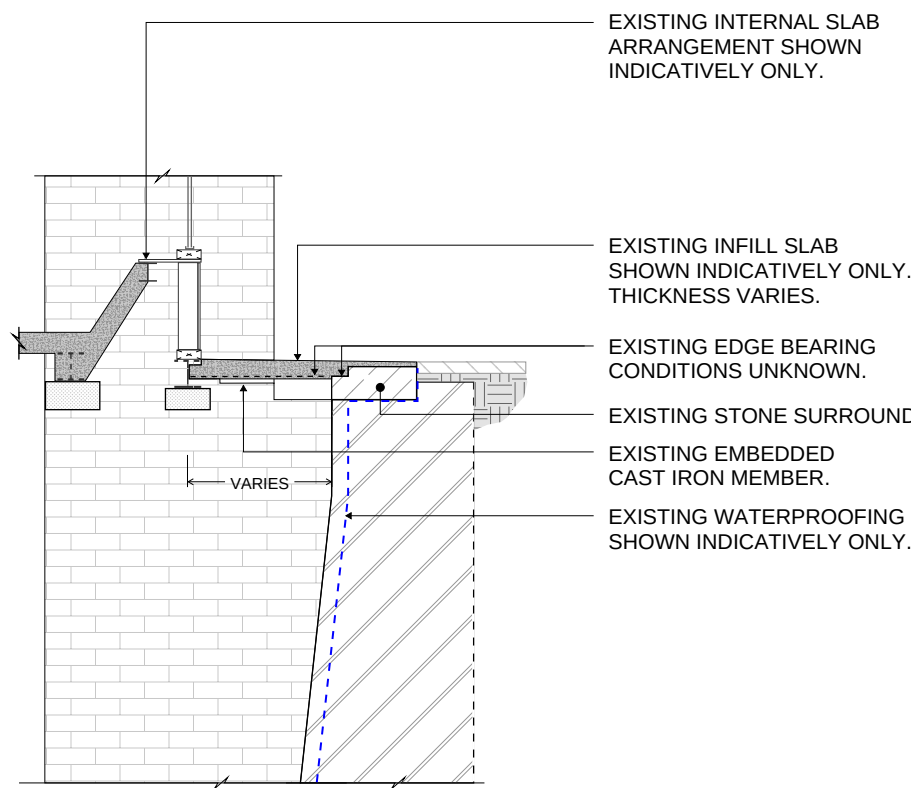
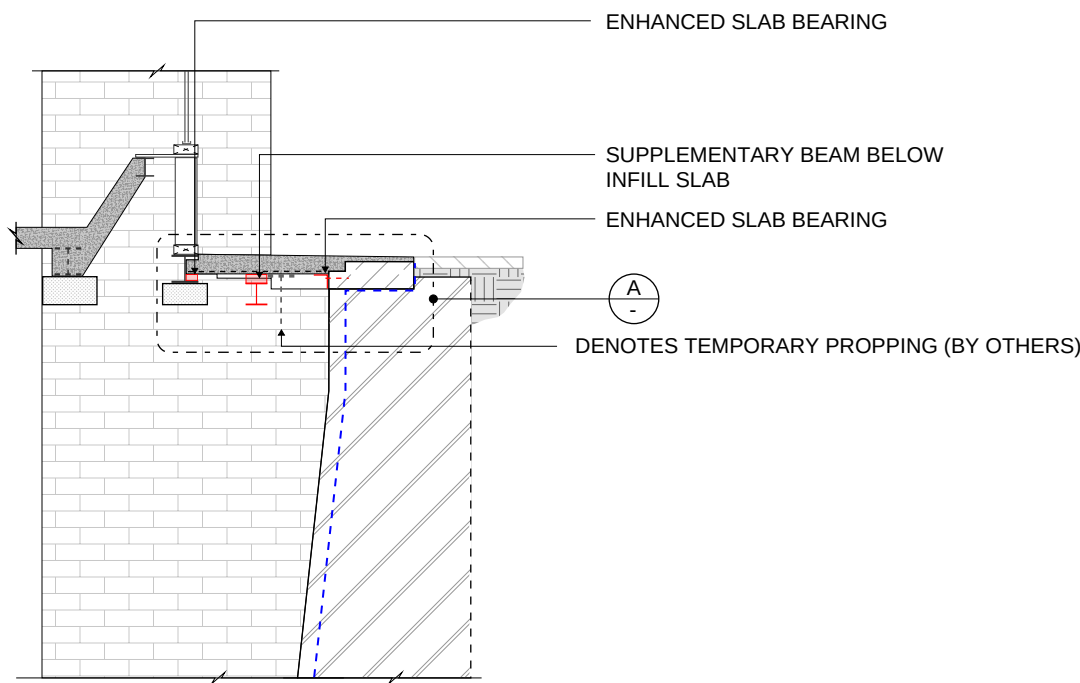




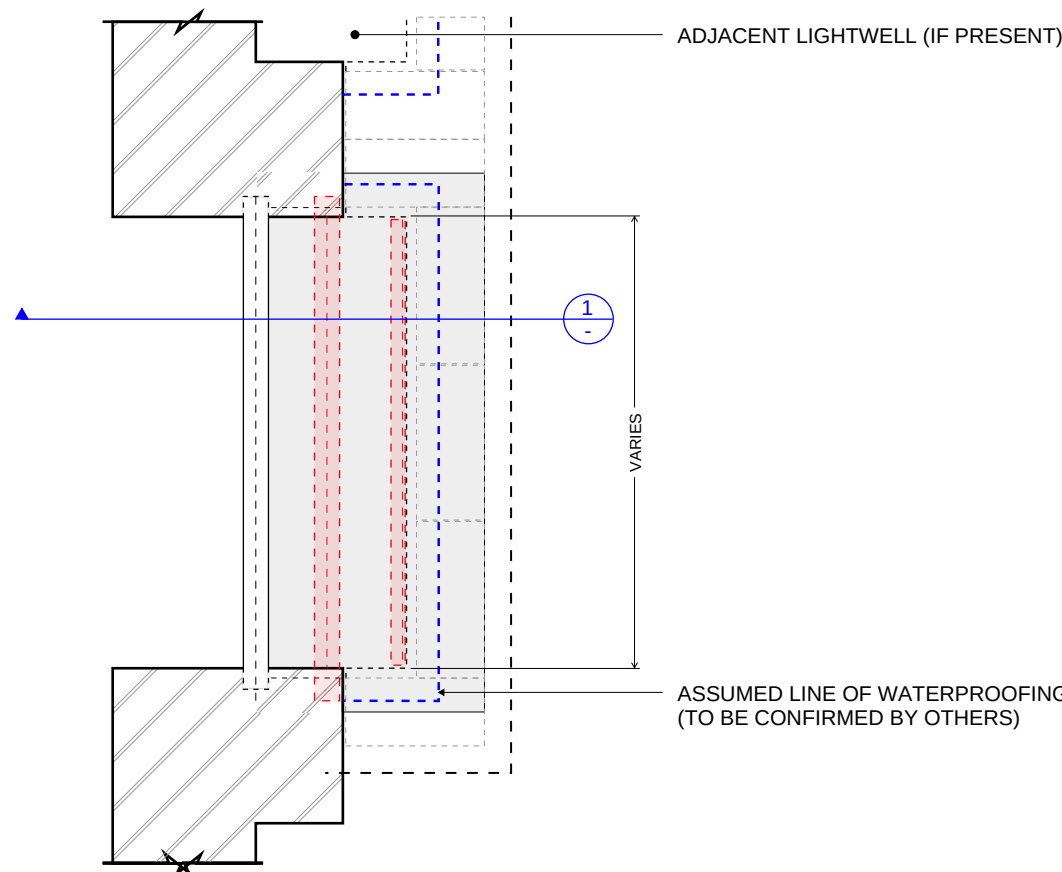
GENERAL ARRANGEMENT
1:15



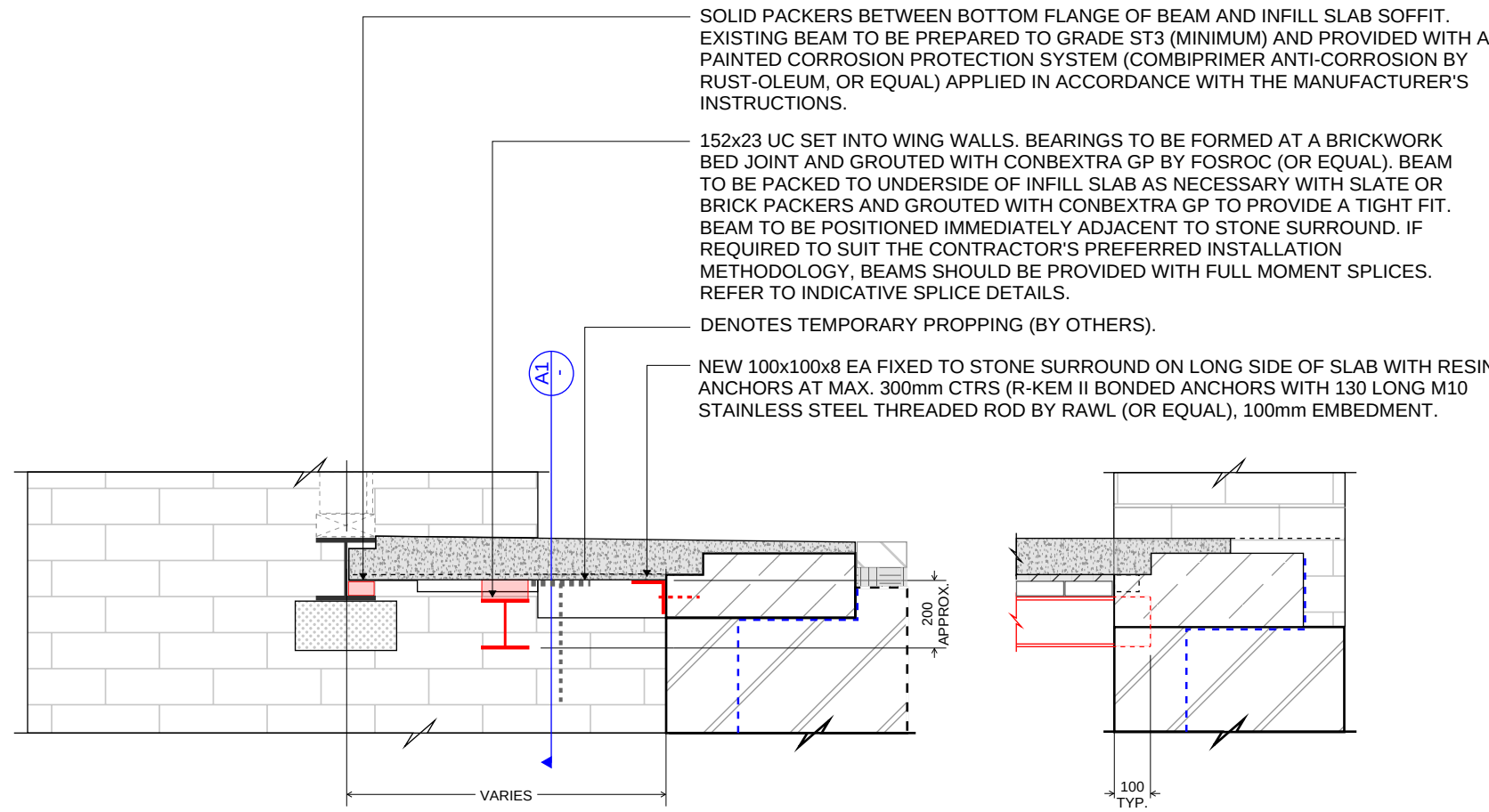
SECTION 1: LIGHTWELLS #1 TO #7
TYPICAL SECTION - EXISTING
Scale 1:15



SECTION 1: LIGHTWELLS #1 TO #7
TYPICAL SECTION - PROPOSED
Scale 1:15

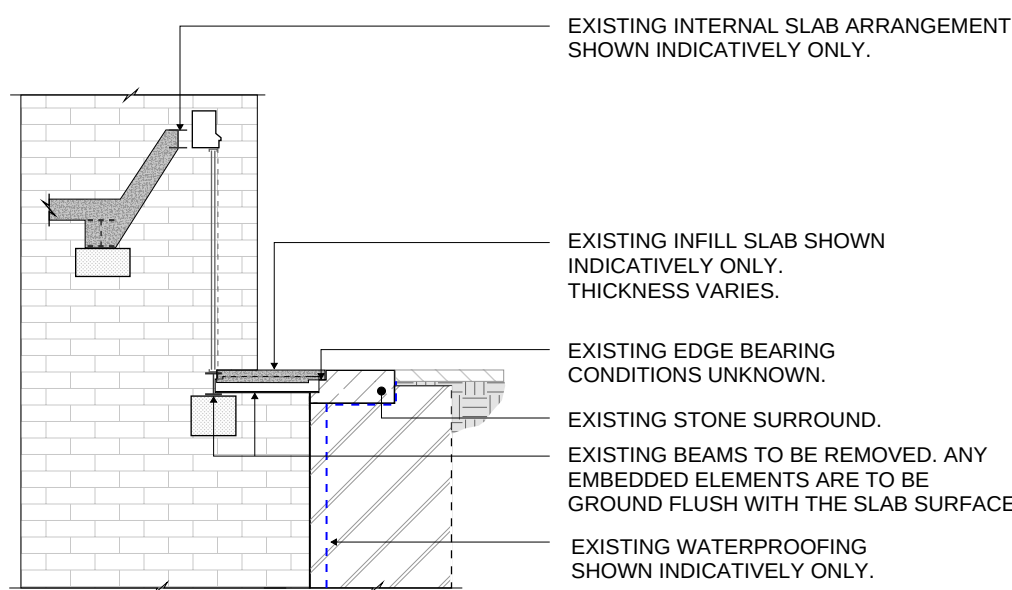


LIGHTWELLS #1 TO #7: TYPICAL PLAN
1:15

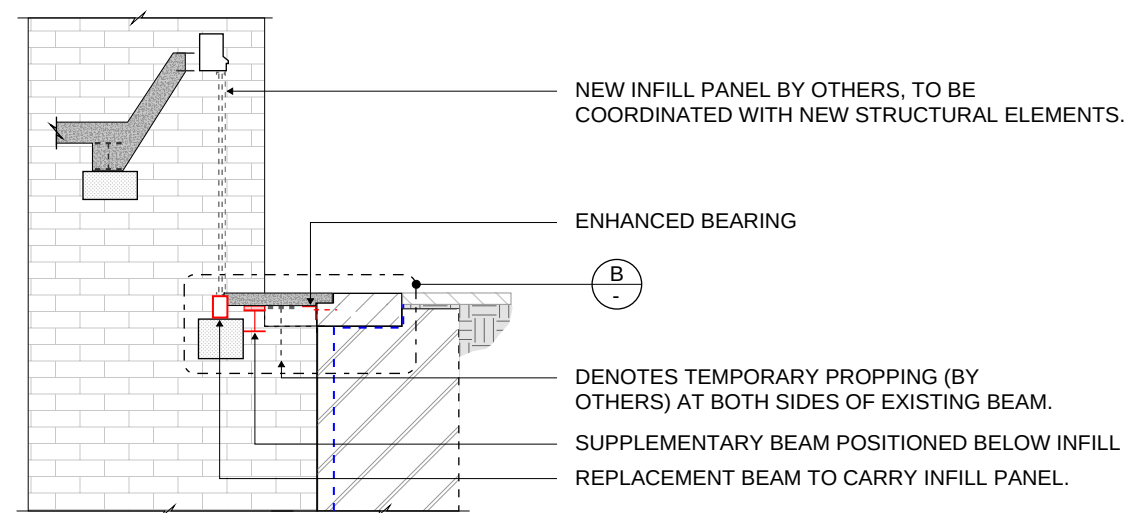


DETAIL 'A'
1:15

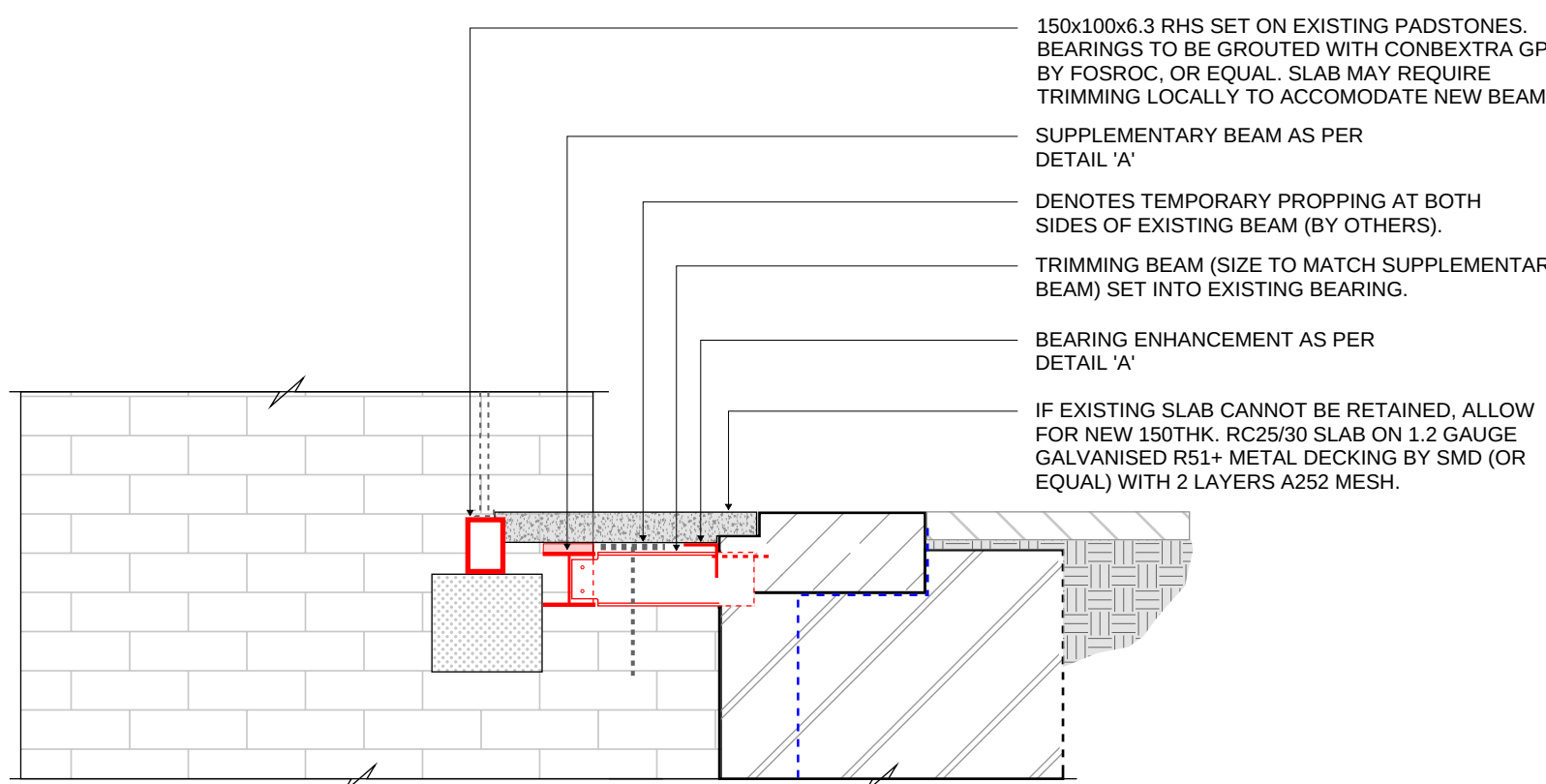
SECTION A1
1:15



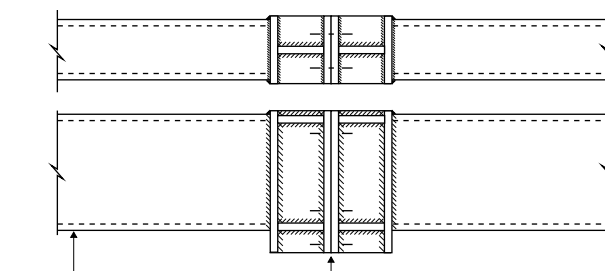
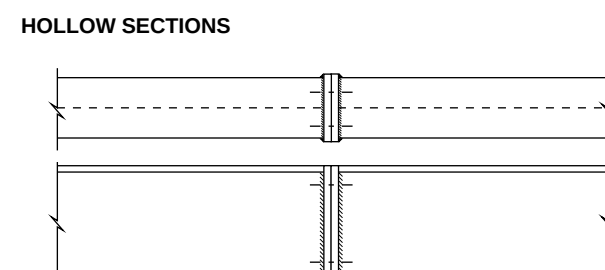
SECTION 2: LIGHTWELL #9 (EXISTING)
1:15



SECTION 2: LIGHTWELL #9 (PROPOSED)
1:15



DETAIL 'B'
1:15



NOTE
SPLICES ARE TO BE DESIGNED TO ACCOMMODATE THE FULL SECTION MOMENT CAPACITY

INDICATIVE SPLICE DETAILS
1:15

NOTES:

- THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL ARCHITECT'S, AND OTHER CONSULTANTS' DRAWINGS AND INFORMATION.
- USE MARKED DIMENSIONS ONLY. DO NOT SCALE FROM THIS DRAWING.
- ALL DIMENSIONS ARE TO BE CHECKED ON SITE PRIOR TO CONSTRUCTION OR FABRICATION COMMENCING. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
- THE EXISTING STRUCTURAL ARRANGEMENT IS TO BE VERIFIED ON SITE PRIOR TO FABRICATION OR CONSTRUCTION COMMENCING AND ANY DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER.
- THE STRUCTURAL WORKS HAVE BEEN DESIGNED FOR THE PERMANENT CASE. ALL TEMPORARY WORKS REQUIRED DURING INSTALLATION OF THE PERMANENT WORKS ARE TO BE DESIGNED AND MANAGED BY THE CONTRACTOR.
- ALL LIGHTWELL STEELWORK IS ASSUMED TO BE INACCESSIBLE FOR MAINTENANCE IN THE FINISHED STATE. THE STEEL FABRICATOR IS TO ALLOW FOR ALL MEMBERS TO BE HOT-DIP GALVANISED, OR FOR PROVISION OF ONE OF THE FOLLOWING CORROSION PROTECTION SYSTEMS, TO BE REVIEWED BY THE ENGINEER PRIOR TO FABRICATION:

System number	IH-C3-A	IH-C3-B	IH-C3-C
Structure life	50+	50+	50+
Coating life	N/A	N/A	N/A
Nearest equivalent BS EN ISO 12944-5	C3.07	-	C3.10
Surface preparation to BS EN ISO 8501-1	Blast clean to Sa 2½	-	Blast clean to Sa 2½
Factory applied coatings	Hydrogen modified epoxy 300µm	Hot-dip galvanize to BS EN ISO 1461	i) High build zinc phosphate epoxy primer 80µm ii) High build recoatable epoxy MIO 120µm
Site applied coatings	-	-	-

NOTE
ALL EXPOSED STEELWORK ADJACENT TO LIGHTWELLS SHOULD BE SUITABLY PREPARED AND PROVIDED WITH A PAINTED CORROSION PROTECTION SYSTEM SUITABLE FOR A CATEGORY C3 ENVIRONMENT.

ABNORMAL HAZARD NOTES

	STABILITY OF ALL EXISTING STRUCTURES AND STRUCTURAL ELEMENTS MUST BE MAINTAINED AT ALL TIMES. SUITABLE TEMPORARY PROPPING AND / OR RESTRAINT SHOULD BE INSTALLED AS REQUIRED.
	LIGHTWELL ENHANCEMENTS ARE DESIGNED TO IMPROVE STRUCTURAL ROBUSTNESS, HOWEVER THEY ARE NOT DESIGNED TO ACCOMMODATE HIGHWAYS LOADING OR LOADS IMPARTED BY SCAFFOLDING ETC.
	REPLACEMENT OF EXISTING INFILL SLABS MAY REQUIRE HIGHWAYS APPROVAL. IF SLABS ARE TO BE REPLACED, ACCEPTABILITY OF PROPOSALS AND ANY REQUIRED PERMITS SHOULD BE CONFIRMED PRIOR TO ANY WORKS BEING UNDERTAKEN. WORKS WILL REQUIRE APPROVAL BY MANCHESTER CITY COUNCIL HIGHWAYS DEPARTMENT AND POTENTIALLY SUBJECT TO AN APPROVAL IN PRINCIPLE (AIP).

P01	ISSUED FOR INFORMATION	26.02.24	TJM	TJM
Rev:	Description:	Date:	By:	Chkd:
 <div>Renaissance Associates Ltd Carvers Warehouse 77 Dale Street Manchester M1 2HG</div>				
Project: 196 DEANSGATE MANCHESTER				
Drawing Title: LIGHTWELL INFILLS: STRUCTURAL ENHANCEMENT				
Status: INFORMATION				
Size: A1	Date: FEB 24	Drawn By: TJM	Designed By: TJM	Checked By: HG
Scale: 1:15 @ A1	Project No: 2312-06			
Project Code:	Originator:	Volume:	Level:	Type: Role: Category / Number: Rev:
DQM-REN-ZZ-00-SK-S-03000 P01				