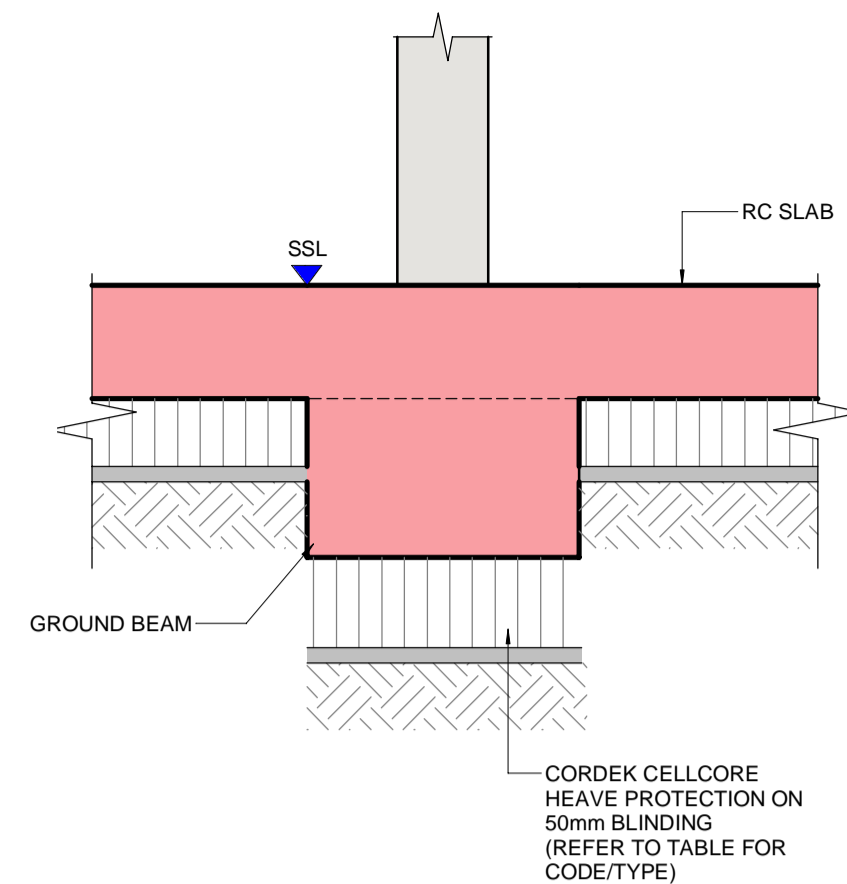
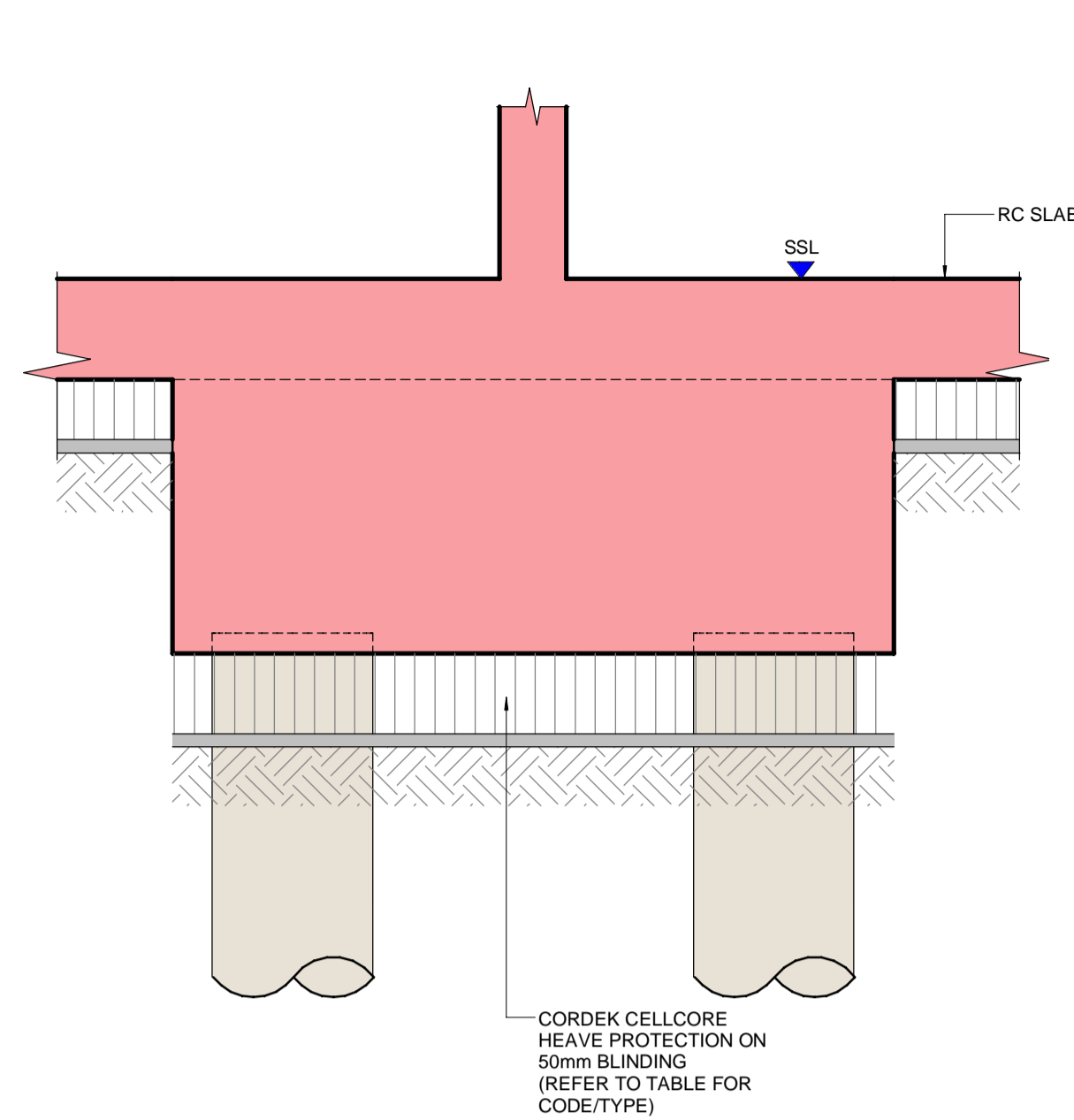


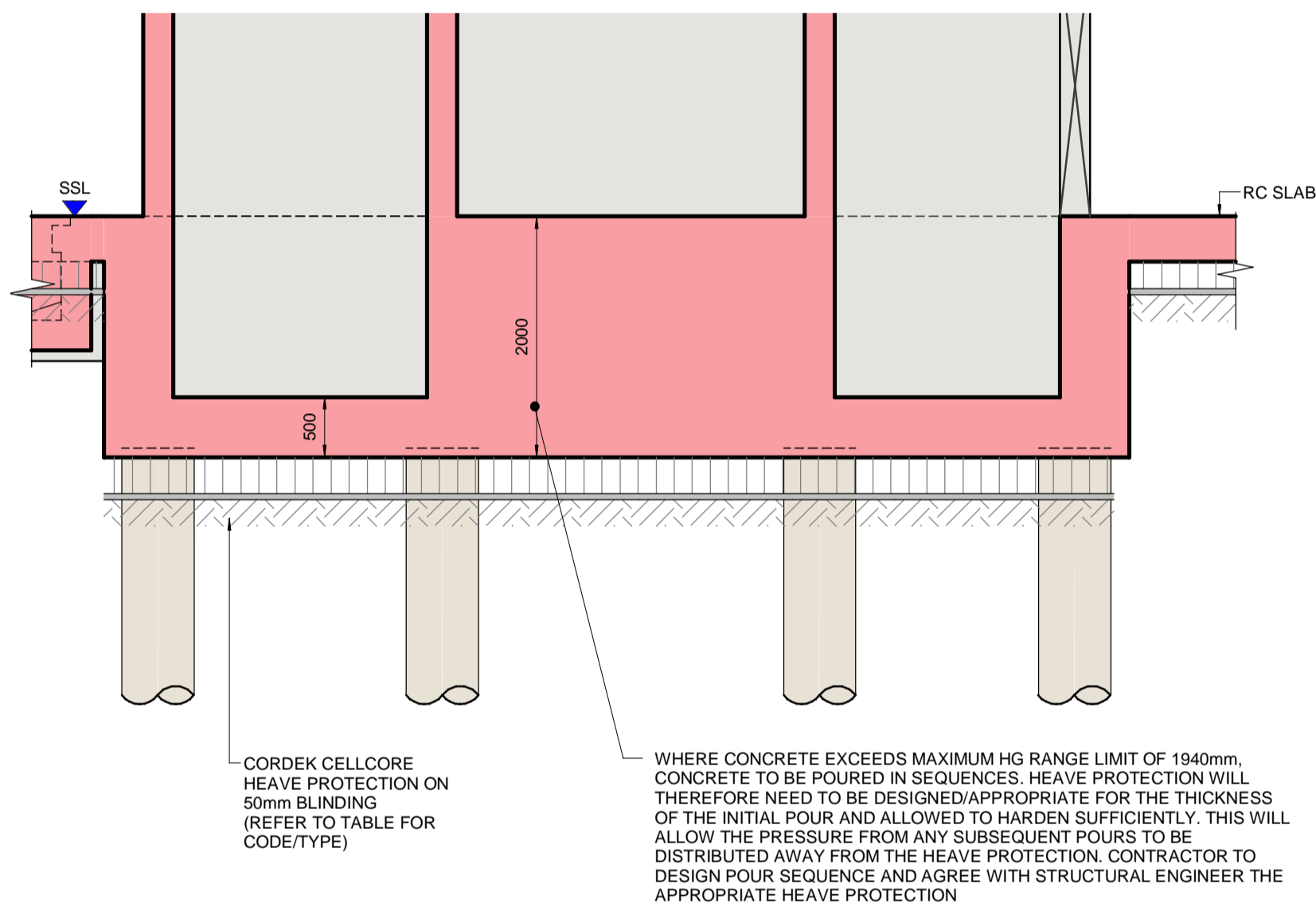
HEAVE PROTECTION UNDER BASEMENT B1 & B2 SLAB
1 : 25



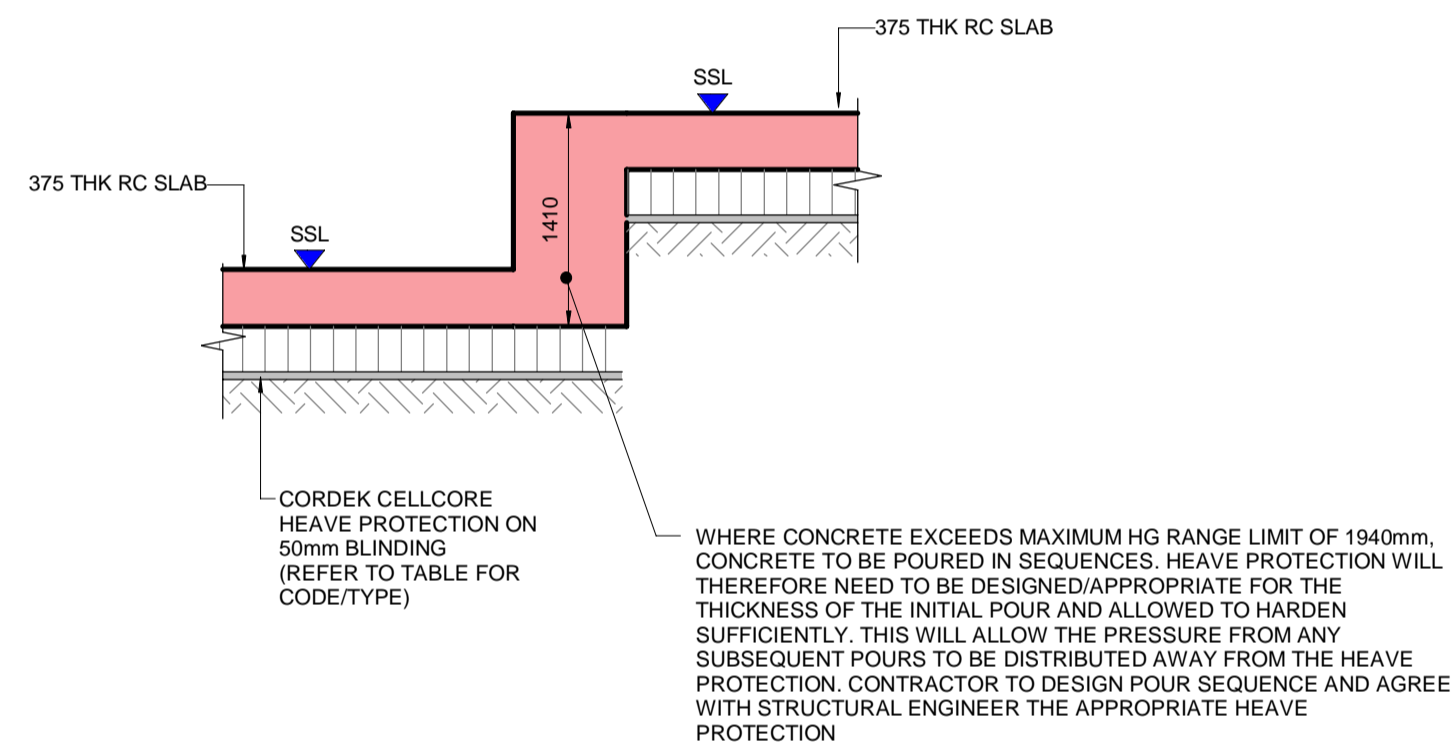
HEAVE PROTECTION UNDER GROUND BEAMS
1 : 25



HEAVE PROTECTION UNDER PILECAPS
1 : 25



HEAVE PROTECTION UNDER LIFT BASES
1 : 50



HEAVE PROTECTION UNDER SLAB STEPS
1 : 50

CORDEK AND GROUNDWATER

CELLCORE IS DESIGNED TO COPE WITH A DEGREE OF WATER INGRESS INTO THE CELLS. THE CELLS HAVE WEEP HOLES THAT SERVE TO AVOID ANY SINGLE CELL BECOMING SATURATED. SHOULD THE ENTIRE CELLCORE ZONE BECOME SATURATED / FLOODED PRIOR TO HEAVE OCCURRING, THEN THERE IS A RISK OF LOAD TRANSFER TO THE STRUCTURE. THE REMOVAL OF GROUNDWATER MUST BE CAREFULLY MANAGED ON SITE BY THE CONTRACTOR TO PREVENT WATER DAMAGE TO HEAVE PROTECTION.

DEWATERING WILL TEMPORARILY REMOVE WATER PRESSURE. ANY FAILURES OF WATERPROOFING MAY NOT BE EVIDENT FOR A NUMBER OF MONTHS. RECOMMEND TURNING OFF ANY DEWATERING FOR 6 MONTHS PRIOR TO APPLICATION OF FINISHES

FOR TYPICAL NOTES, PLEASE REFER TO DRAWING 01001

ELEMENT	DEPTH (mm)	HEAVE PROTECTION
SLAB	MAX. 300	CELLCORE HXS 225 9/13
SLAB	>300 MAX. 460	CELLCORE HXS 225 13/18
SLAB, PILE CAPS PC1, PC2, PC3 & GROUND BEAMS	>300 MAX. 1140	CELLCORE HG 300 30/40
PILE CAPS PC1A, PC3A, PC4, PC5, PC6, PC8 & GROUND BEAMS	>1140 MAX. 1540	CELLCORE HG 300 40/50
B1 STAIR AND LIFT CORE PILECAPS AND B1/B2 SLAB THICKENINGS (SEE DRAWING NOTES BELOW FOR TREATMENT OF ELEMENTS THICKER THAN 1940mm)	>1540 MAX. 1940	CELLCORE HG 300 50/65
B2 STAIR AND LIFT CORE PILECAP	2000	CELLCORE HG 55/75

Project

BEDFORD PASSAGE DEVELOPMENT

UK & IRELAND
Client

MIDDLESEX ANNEXE LLP

Consultant

AECOM
Aldgate Tower
2 Leman Street
London E1 8FA
United Kingdom
Tel +44 (0) 20 7061 7000
www.aecom.com

Notes

- Do not scale from this drawing. Work to figured dimensions only.
- This drawing is to be read in conjunction with:
 - AECOM Structural Specifications
 - Design reports
 - Survey and Interpretative Reports
 - Project Specifications and Performance Specifications
 - Health and Safety Hazard Register
 - Relevant drawings and documentation issued by the architect, engineers and specialists.
 - Building Information Model (BIM)
 - Movements and Tolerances Report
- All dimensions are in mm except levels which are in metres and relate to [ordance datum].
- Any discrepancies shall be referred to the Designer before work commences.

Issue/Revision

Rev.	Date	Description	Drm/Chk/Apr
T2	23.10.20	ISSUED FOR TENDER	RH/KSF/DW
T1	27.07.20	STAGE 4 REDESIGN	
T1	27.07.20	STAGE 4 (PCSA) STAGE 1 DESIGN REVIEW	RHD/WIDW

Purpose Of Issue

STAGE 4 TENDER

Project Number

60516144

Sheet Title

New Build
Heave Protection Details

Sheet Number

MHA-ACM-00-XX-DR-SE-05005

Scale: As indicated@A1

Rev: T2

This drawing has been prepared for the use of AECOM's client. It may not be used, modified, reproduced or relied upon by third parties, except as agreed by AECOM or as required by law. AECOM accepts no responsibility, and denies any liability whatsoever, to any party that uses or relies on this drawing without AECOM's express written consent. Do not scale this document. All measurements must be obtained from the stated dimensions.