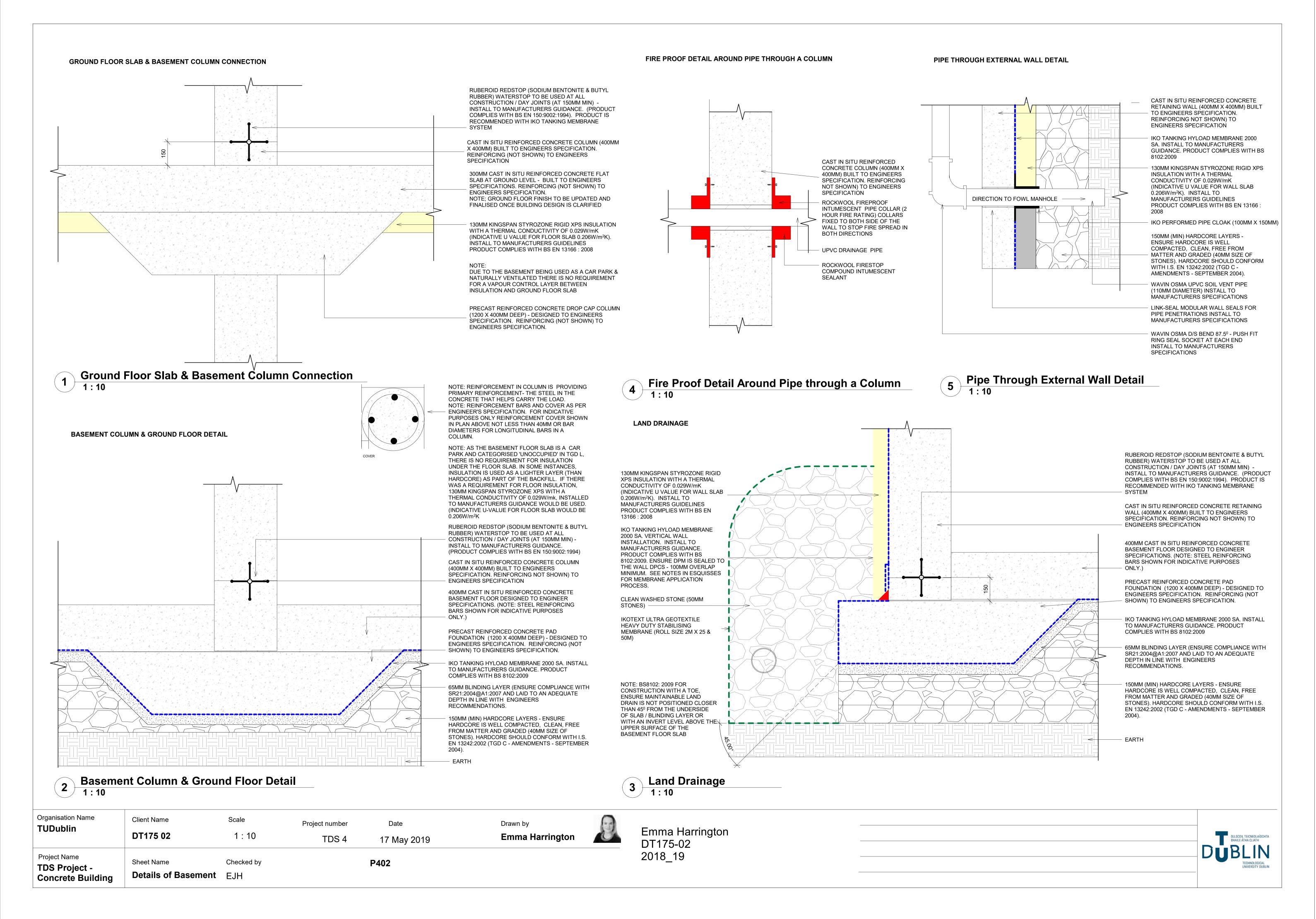
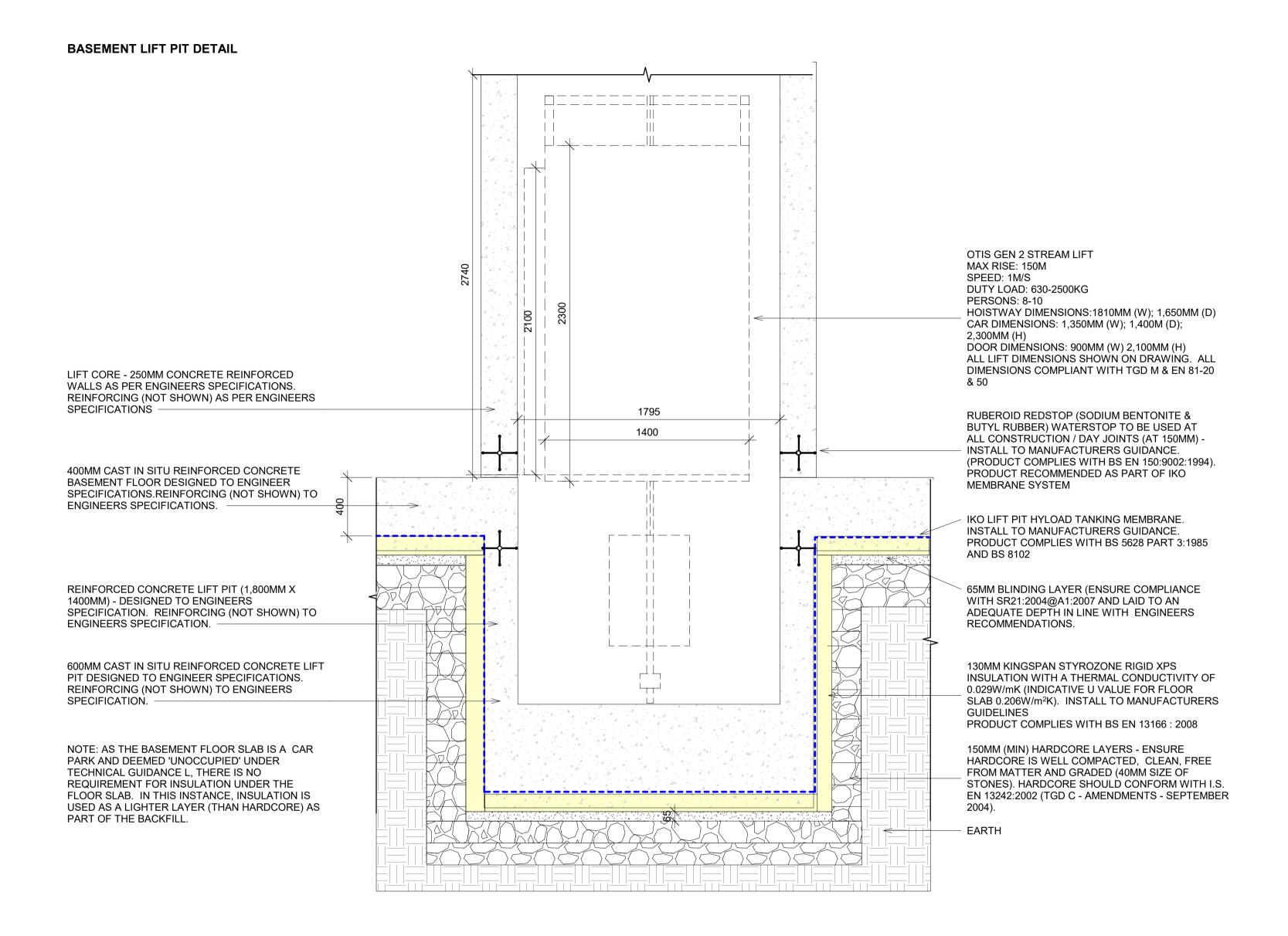


# ARCH 2121 TDS Project 4 – Construction Details

DT 175-02 ARCHITECTURAL TECHNOLOGY

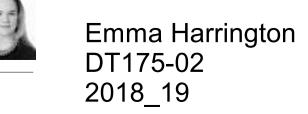




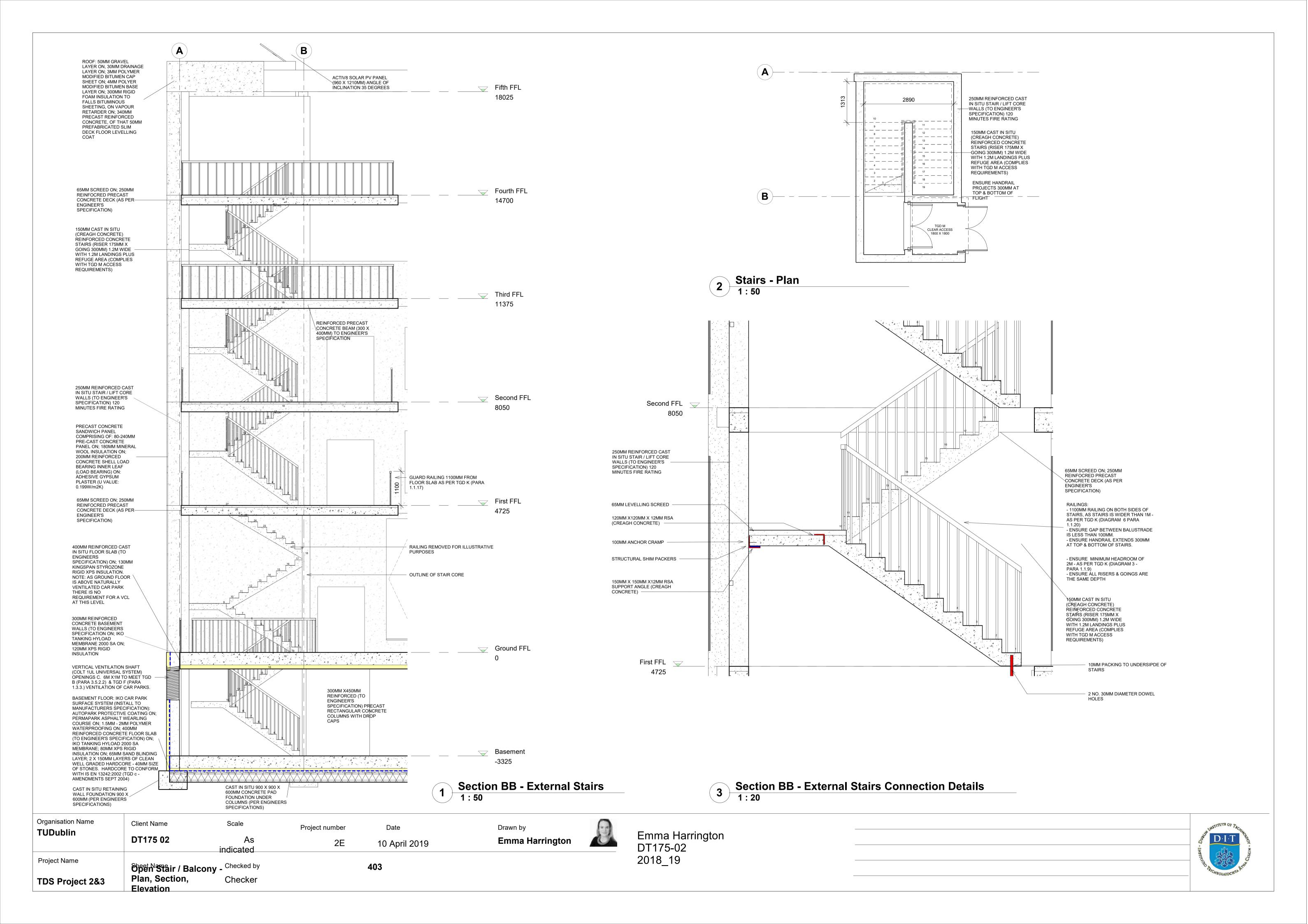


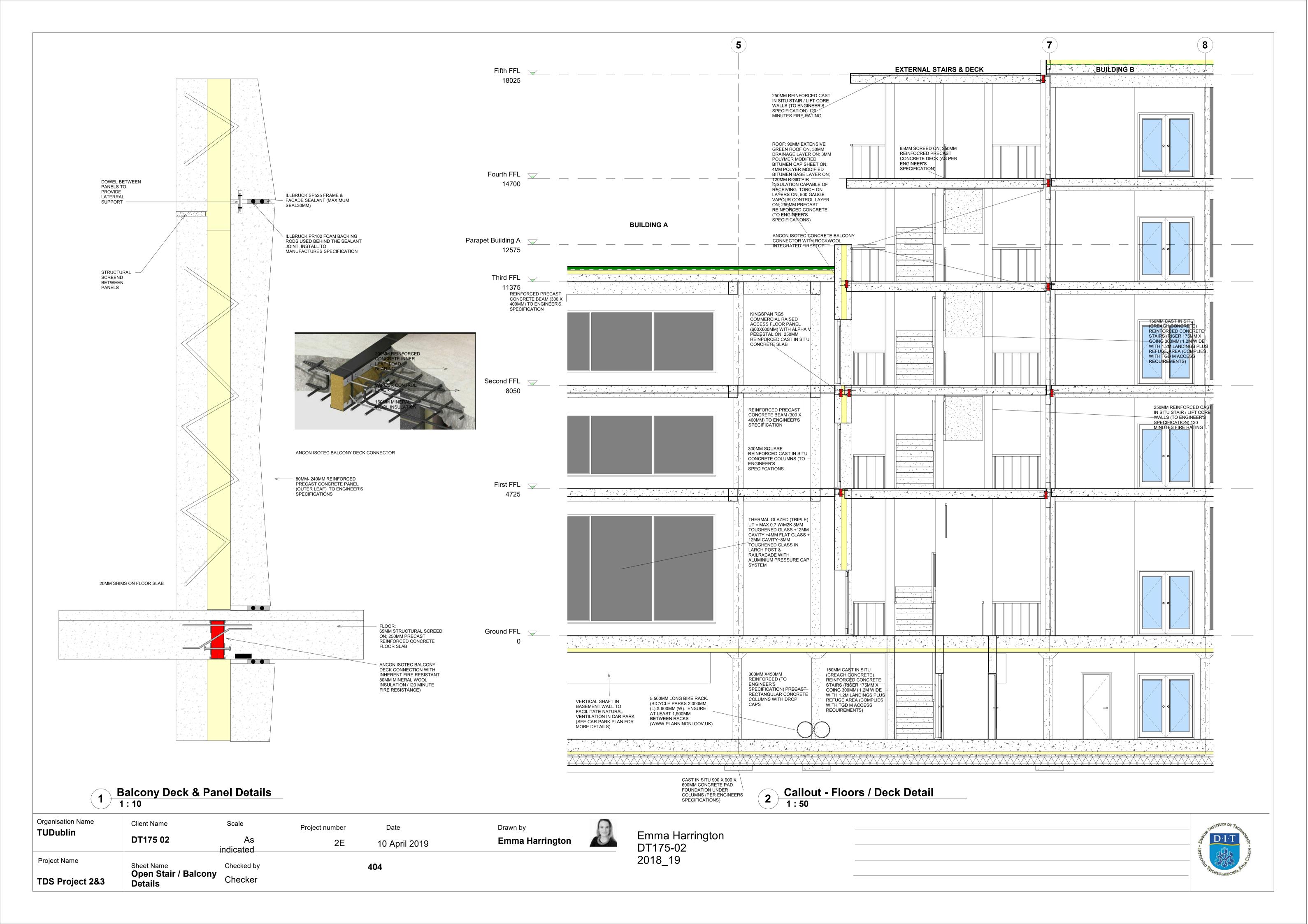
Organisation Name <b>TUDublin</b>	Client Name DT175 02	Scale 1:20	Project number	Date 17 May 2019	Drawn by Emma Harrington	9
Project Name  TDS Project - Concrete Building	Sheet Name  Lift Pit Details	Checked by Checker	007			

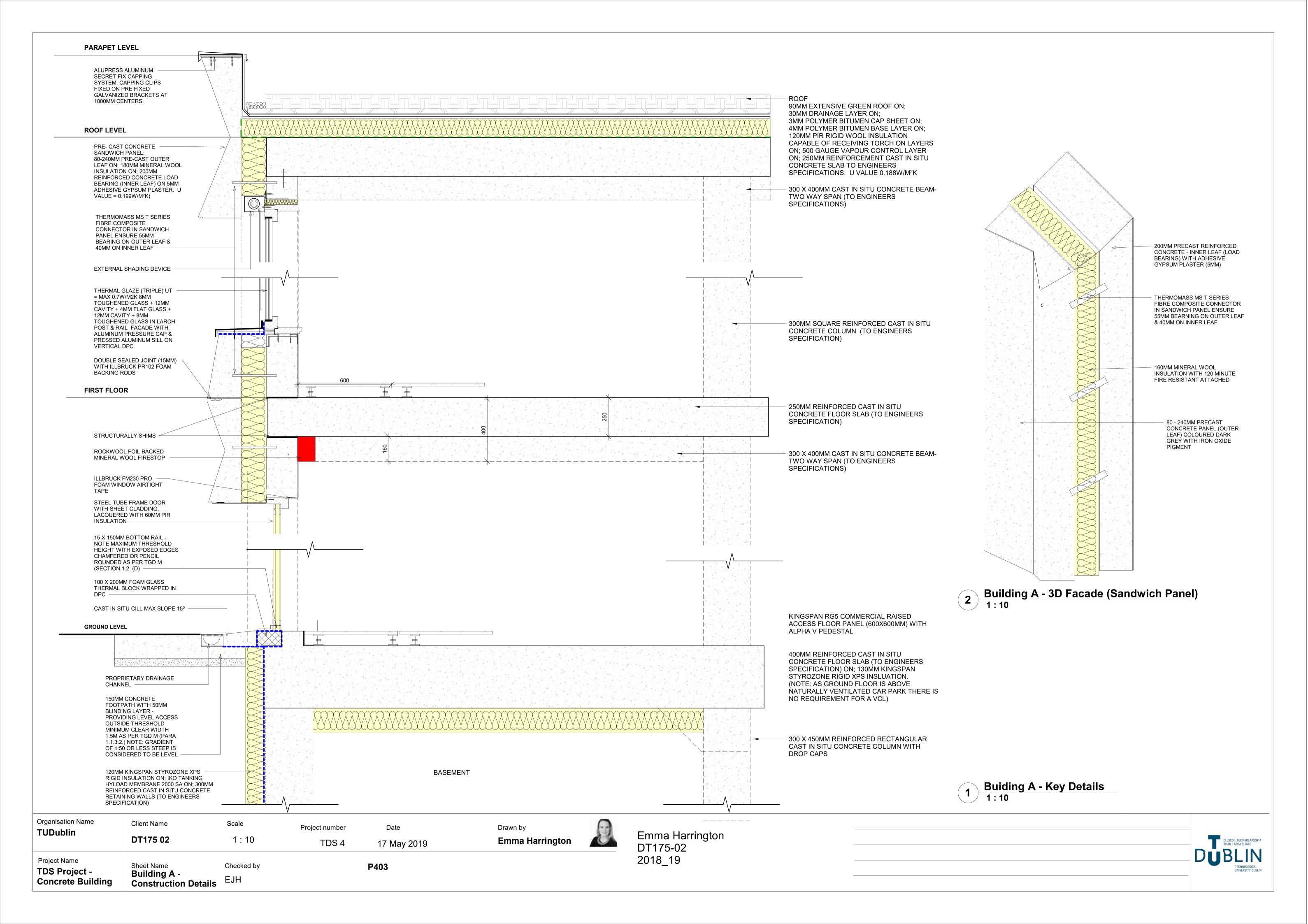
Concrete Building

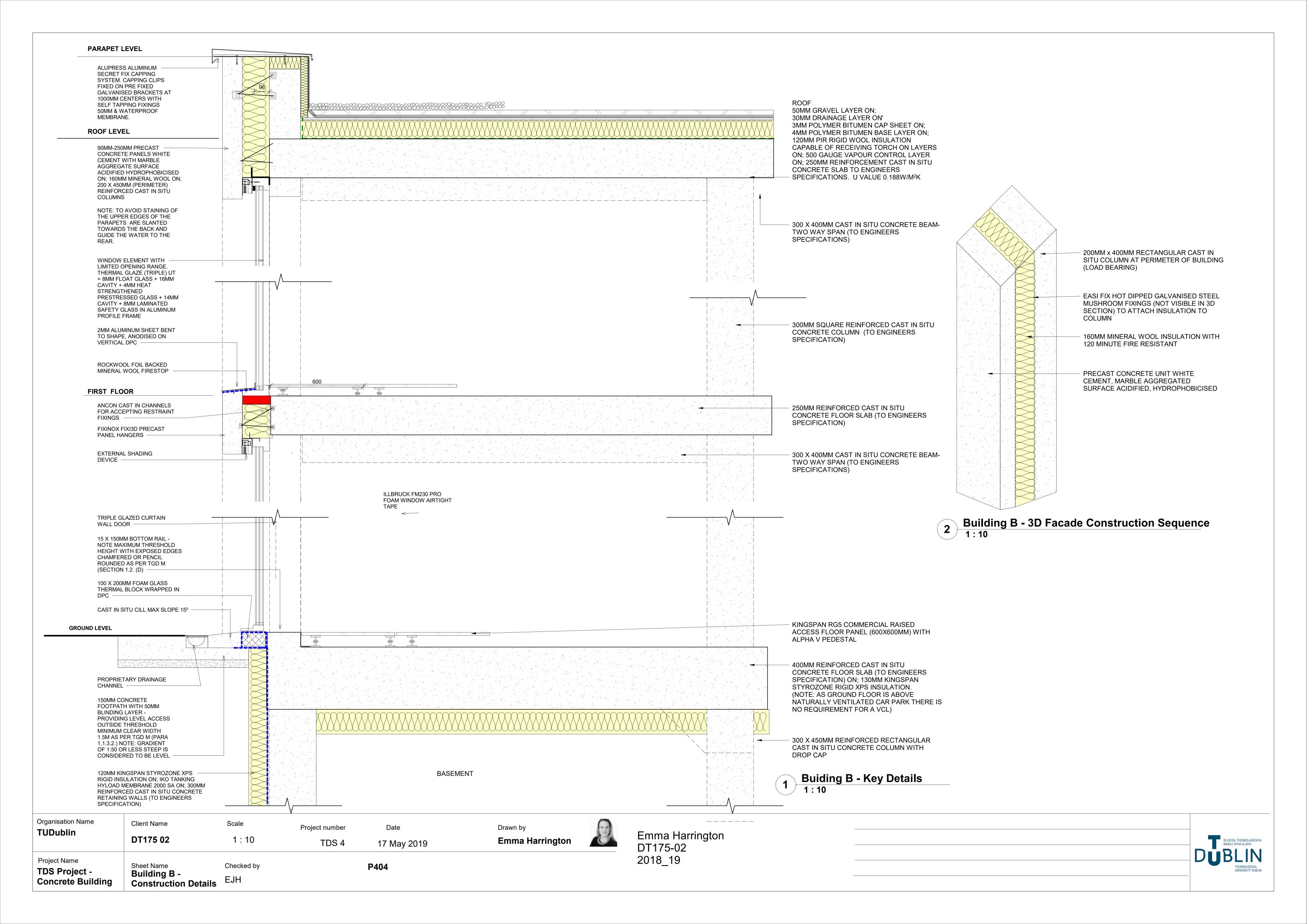












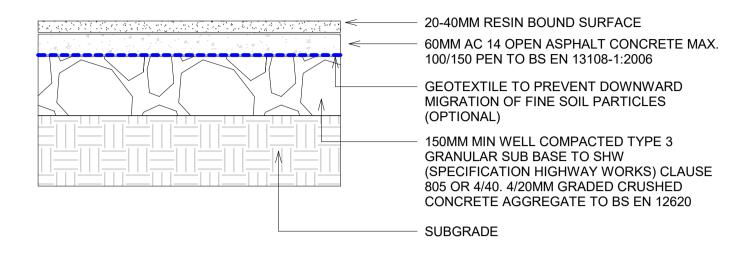
# LANDSCAPING DETAILS - ROADS, FOOTPATHS, KERBS & DRAINAGE

### **ROADWAY - BITUMEN MACADAM COURSE**

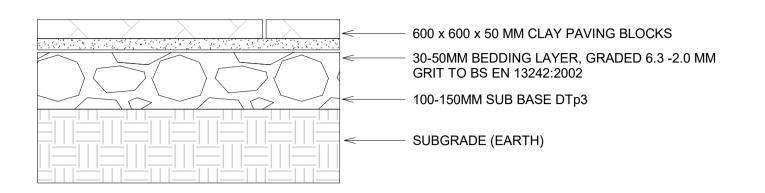
# SURFACE COURSE: 20-40MM ASPHALT OR MACADAM (6-10MM) AGGREGATE 40-70MM BINDER COURSE - DENSE BITUMEN MACADAM (DBM 20MM) BASE 100-150MM TYPE 1 (DTp1 1803) or TYPE 3 (DTp3) FOR PERMEABLE SURFACES SUB BASE 100-250MM CONSOLIDATED HARDCORE WITH OPTIONAL GEOTEXTILE SUBGRADE

# (SEE ESQUISSES PAGE 1-9 FOR MORE DETAILS)

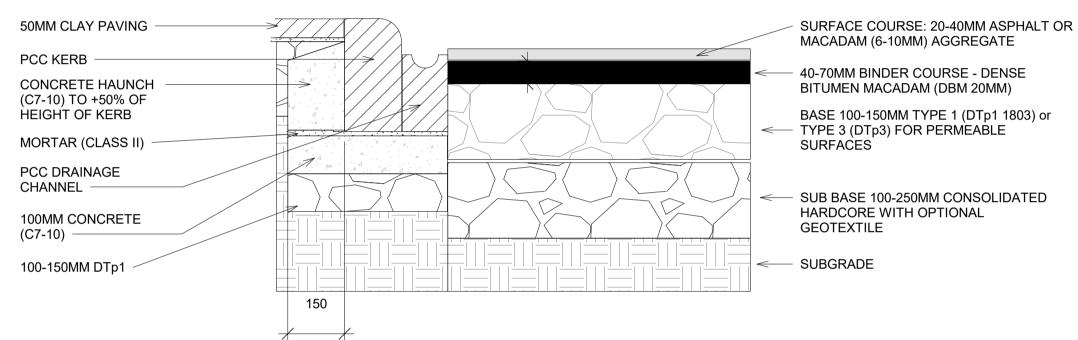
### RESIN BOUND SURFACE AS A PATHWAY - IMPERMEABLE



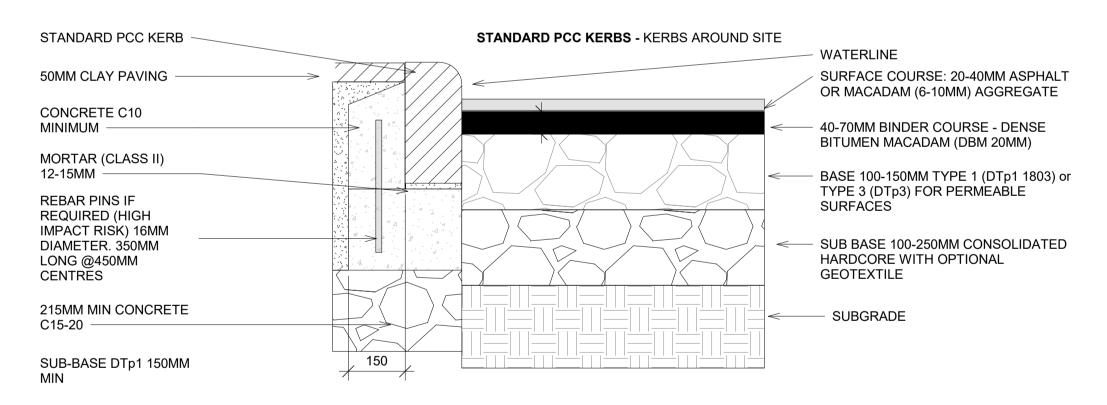
#### FOOTPATHS - CLAY BLOCK PAVING: IMPERMEABLE



#### DRAINAGE AT ROADWAY - PRE CAST OPEN WATER CHANNELS



NOTE: THE KERB & DRAINAGE CAN BE CONSTRUCTED ON THE SAME SUB BASE AND CONCRETE FOUNDATION. HOWEVER THE PAVING OR ROAD SUPPORT LAYERS SHOULD BE CONSTRUCTED SEPARATELY FROM THE DRAINAGE & KERB ELEMENTS. THIS ENSURES THAT ANY MOVEMENT IN THE PAVED AREA IS CONSTRAINED BY THE EDGING STRUCTURES, THAT IT DOES NOT FLATTEN OR FALL.



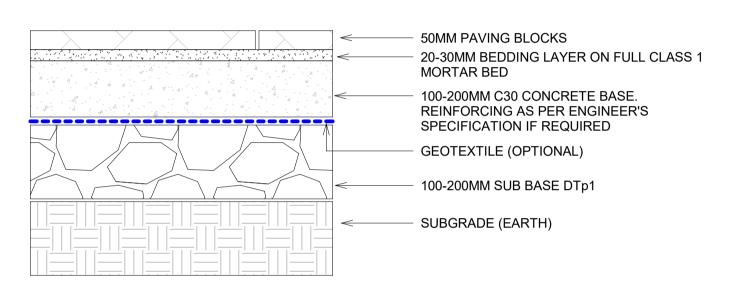
Date

17 May 2019

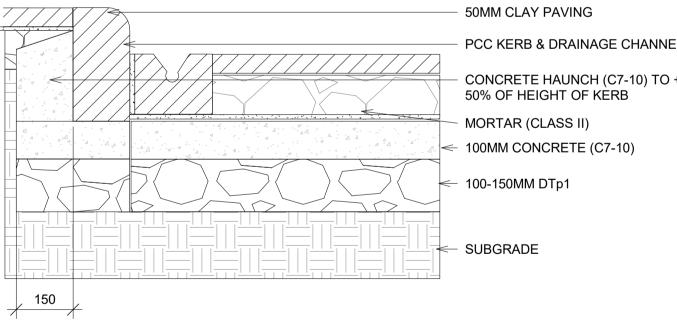
Project number

NOTE: ROAD SURFACE IS LAID 25-75MM BELOW WATERLINE

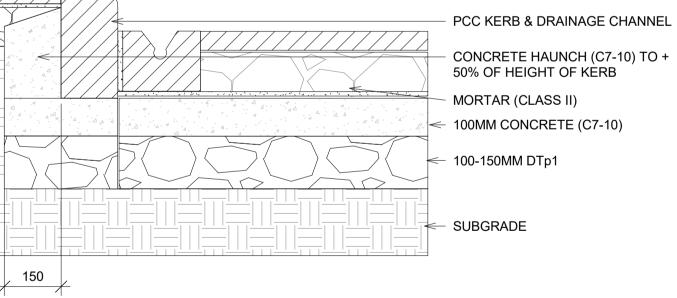
## PAVING SLABS AS A PARKING OR ROAD SURFACE - IMPERMEABLE



HERRINGBONE PATTERN IS THE MOST EFFECTIVE PATTERN AS EACH BLOCK IS IN CONTACT WITH AS MANY BONDS AS POSSIBLE (MAX. 6) AND DISTRIBUTES LOAD & LATERAL FORCES. JOINT WIDTH IS 6MM (MIN) FILLED WITH GRADED 6.3 2MM GRIT. ALL JOINTS SHOULD BE FIRMLY FILLED.



## **DRAINAGE AT KERBS -** DRAINAGE AT FOOTPATH & SET DOWN AREA



# Landscaping (Hard) Features 1:10

Scale

1:10

Organisation Name  TUDublin	Client Name DT175 02
Project Name  TDS Project -  Concrete Building	Sheet Name Details of (Ha Landscaping

Organisation Name

TDS 4 P401 Checked by Landscaping Features EJH



Drawn by

Emma Harrington DT175-02 2018\_19



1:20 Bay Model: Photographs



**Front Elevation** 



Rear Elevation – Through Building



East Elevation – Through Building



East Elevation – Through Building



West Elevation – Close up of Roof Build Up