REV	DATE	BY	REV	DATE	BY	REV	DATE	BY	REV	DATE	BY	REV	DATE	BY	REV	DATE	BY	REV	DATE	BY	REV	DATE	BY
H	18 OCT 2019	av	G	17 DEC 2018	av	F	10 DEC 2018	av	E	05 DEC 2018	av	D	29 NOV 2018	av	C	13 NOV 2018	av	B	01 NOV 2018	av	A	26 SEPT 2018	av
AS BUILT ISSUE			ADDITIONAL FOUNDATION INDICATED TO ACCOMMODATE REVISED SPRINKLER TANK ROOM / BIKE STORE CAVITY WALL			BASE PLATES INDICATED ON SMALL STAIRCASE . .			STAIRCASE FOUNDATIONS REVISED IN ACCORDANCE THE ARCHITECTS DWG NO. (99)005B			STEELWORK ARRANGEMENT UPDATED FOLLOWING DESIGN REVIEW .			MESH REINFORCEMENT ADDED TO STEEL COLUMN FOUNDATIONS & FW DRAINAGE DUCTING ADDED			ADDITIONAL STEP IN FOUNDATION INDICATED . .			UPDATED TO ARCHITECTS PLAN LAYOUT (90)008 . .		

REVISIONS

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Project Title: DEVELOPMENT AT HARRISON DRIVE CARDIFF

Drawing Title: FOUNDATION LAYOUT

Scales	1:50 @ A1		
Drawn	av	Checked	Date 26 SEPT 2018
Client	ENCON CONSTRUCTION		
Architect	DAVIES LLEWELYN AND JONES		

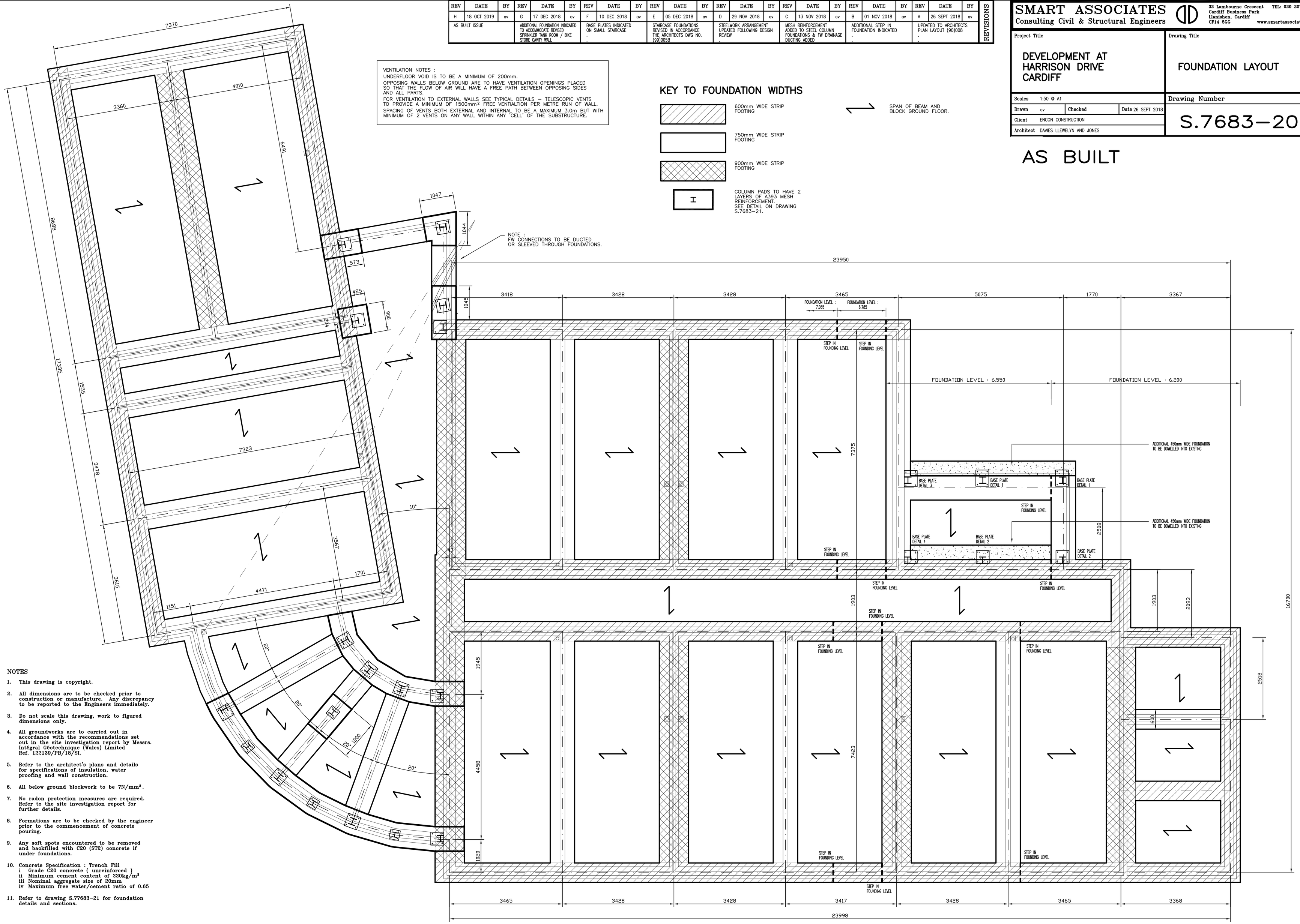
Drawing Number: S.7683–20 REV: H

AS BUILT

VENTILATION NOTES :
UNDERFLOOR VOID IS TO BE A MINIMUM OF 200mm.
OPPOSING WALLS BELOW GROUND ARE TO HAVE VENTILATION OPENINGS PLACED SO THAT THE FLOW OF AIR WILL HAVE A FREE PATH BETWEEN OPPOSING SIDES AND ALL PARTS.
FOR VENTILATION TO EXTERNAL WALLS SEE TYPICAL DETAILS – TELESCOPIC VENTS TO PROVIDE A MINIMUM OF 1500mm² FREE VENTIALTION PER METRE RUN OF WALL.
SPACING OF VENTS BOTH EXTERNAL AND INTERNAL TO BE A MAXIMUM 3.0m BUT WITH MINIMUM OF 2 VENTS ON ANY WALL WITHIN ANY 'CELL' OF THE SUBSTRUCTURE.

KEY TO FOUNDATION WIDTHS

- 600mm WIDE STRIP FOOTING
- 750mm WIDE STRIP FOOTING
- 900mm WIDE STRIP FOOTING
- COLUMN PADS TO HAVE 2 LAYERS OF A393 MESH REINFORCEMENT. SEE DETAIL ON DRAWING S.7683–21.
- SPAN OF BEAM AND BLOCK GROUND FLOOR.



NOTES

1. This drawing is copyright.
2. All dimensions are to be checked prior to construction or manufacture. Any discrepancy to be reported to the Engineers immediately.
3. Do not scale this drawing, work to figured dimensions only.
4. All groundworks are to carried out in accordance with the recommendations set out in the site investigation report by Messrs. Intégral Géotechnique (Wales) Limited Ref. 122139/PB/18/SI.
5. Refer to the architect's plans and details for specifications of insulation, water proofing and wall construction.
6. All below ground blockwork to be 7N/mm².
7. No radon protection measures are required. Refer to the site investigation report for further details.
8. Formations are to be checked by the engineer prior to the commencement of concrete pouring.
9. Any soft spots encountered to be removed and backfilled with C20 (ST2) concrete if under foundations.
10. Concrete Specification : Trench Fill
    i Grade C20 concrete (unreinforced)
    ii Minimum cement content of 220kg/m³
    iii Nominal aggregate size of 20mm
    iv Maximum free water/cement ratio of 0.65
11. Refer to drawing S.77683–21 for foundation details and sections.