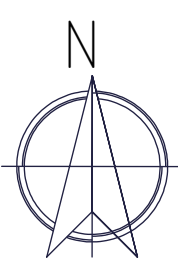


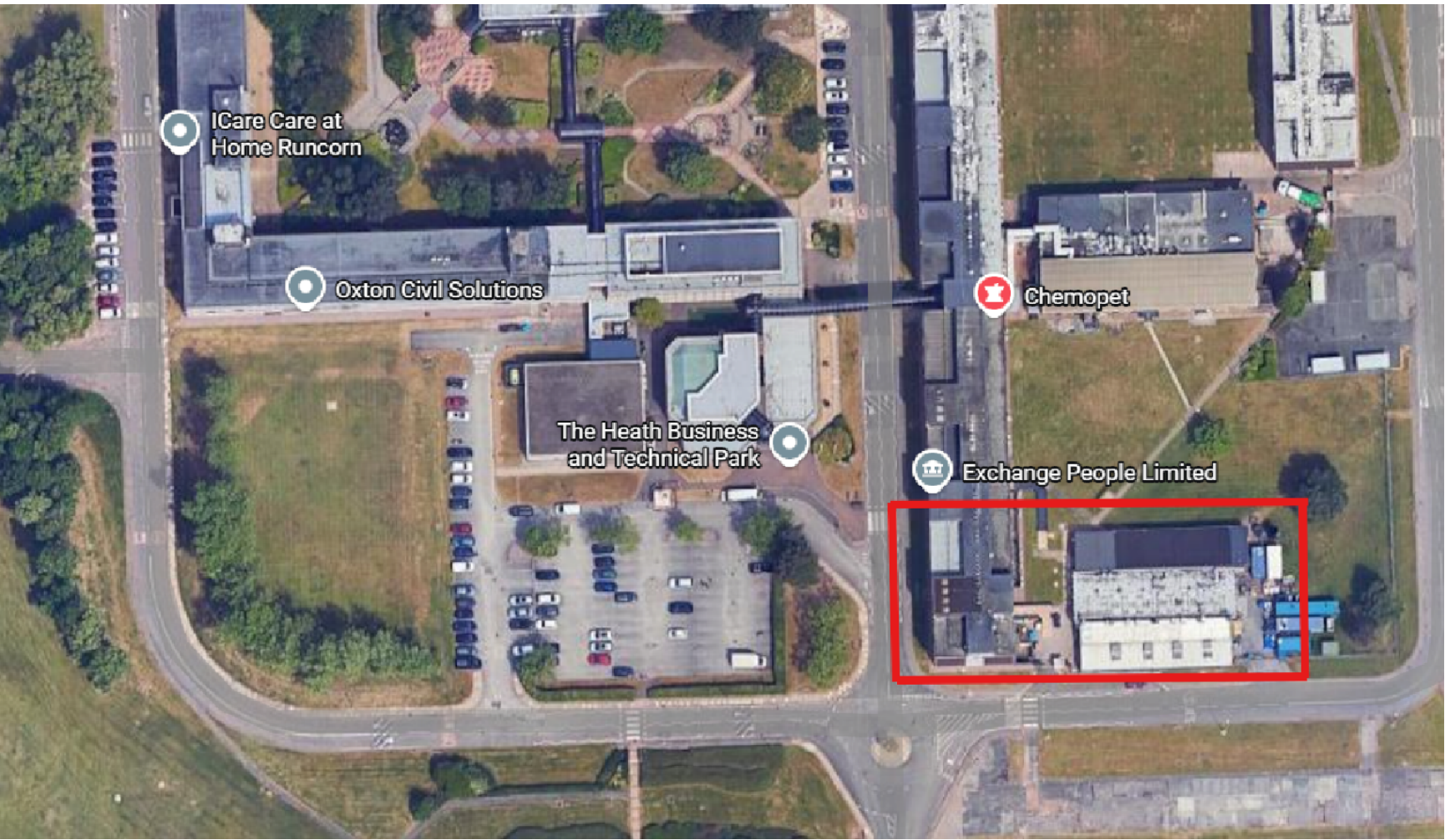
Location Address
Watercycle Technologies Ltd
Block 8
The Heath Business & Technical Park
Runcorn Cheshire WA7 4QX



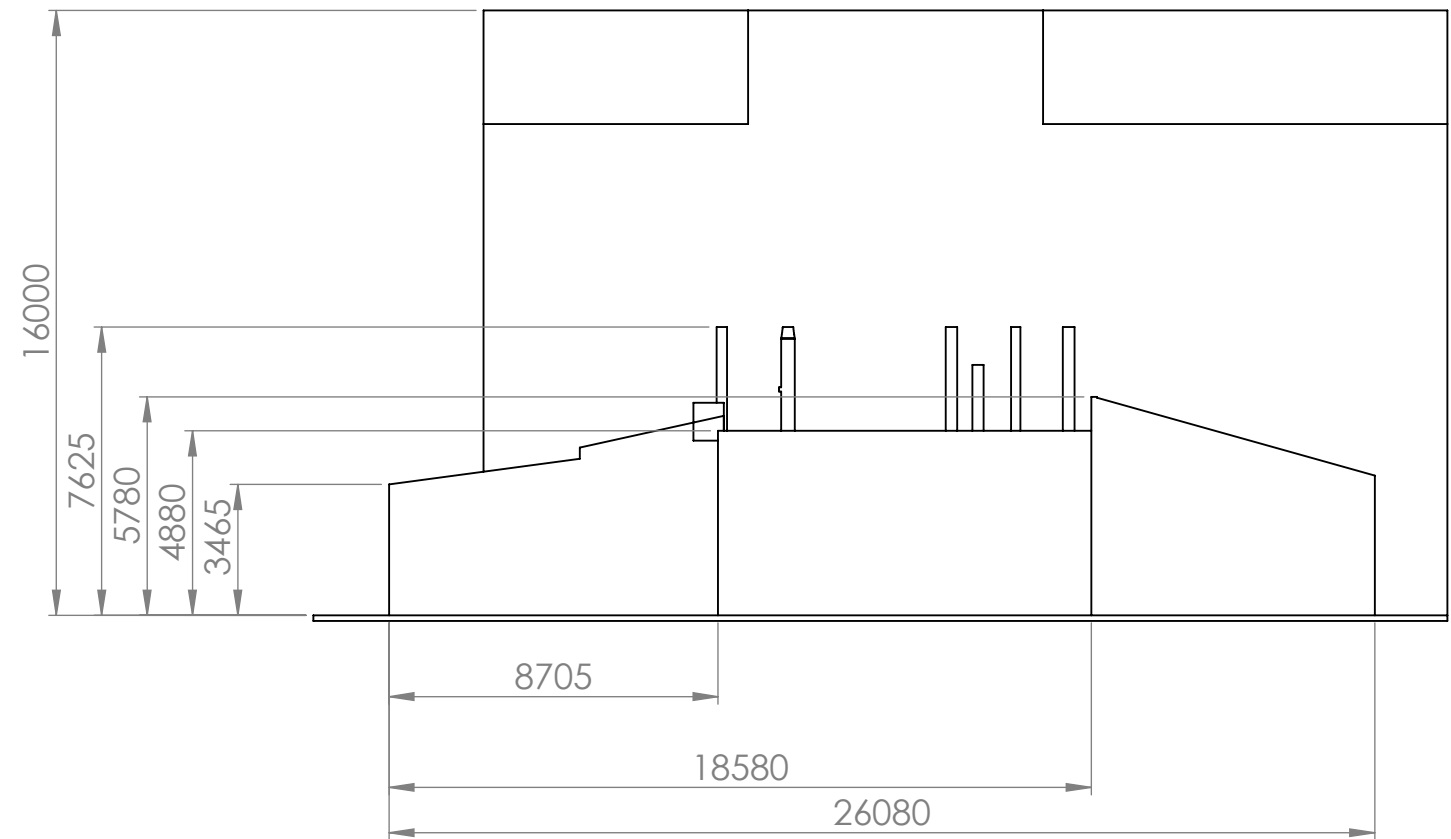
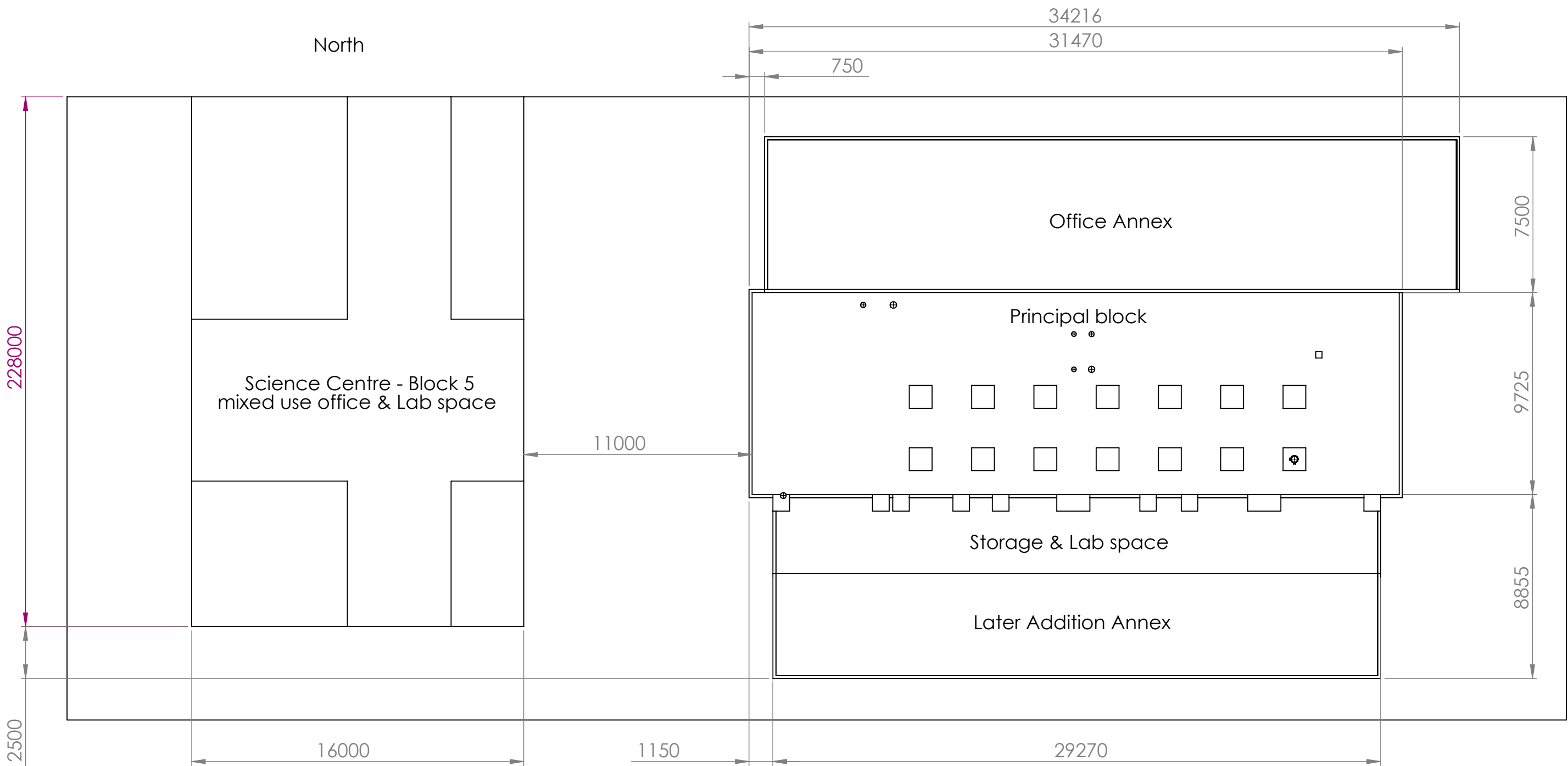
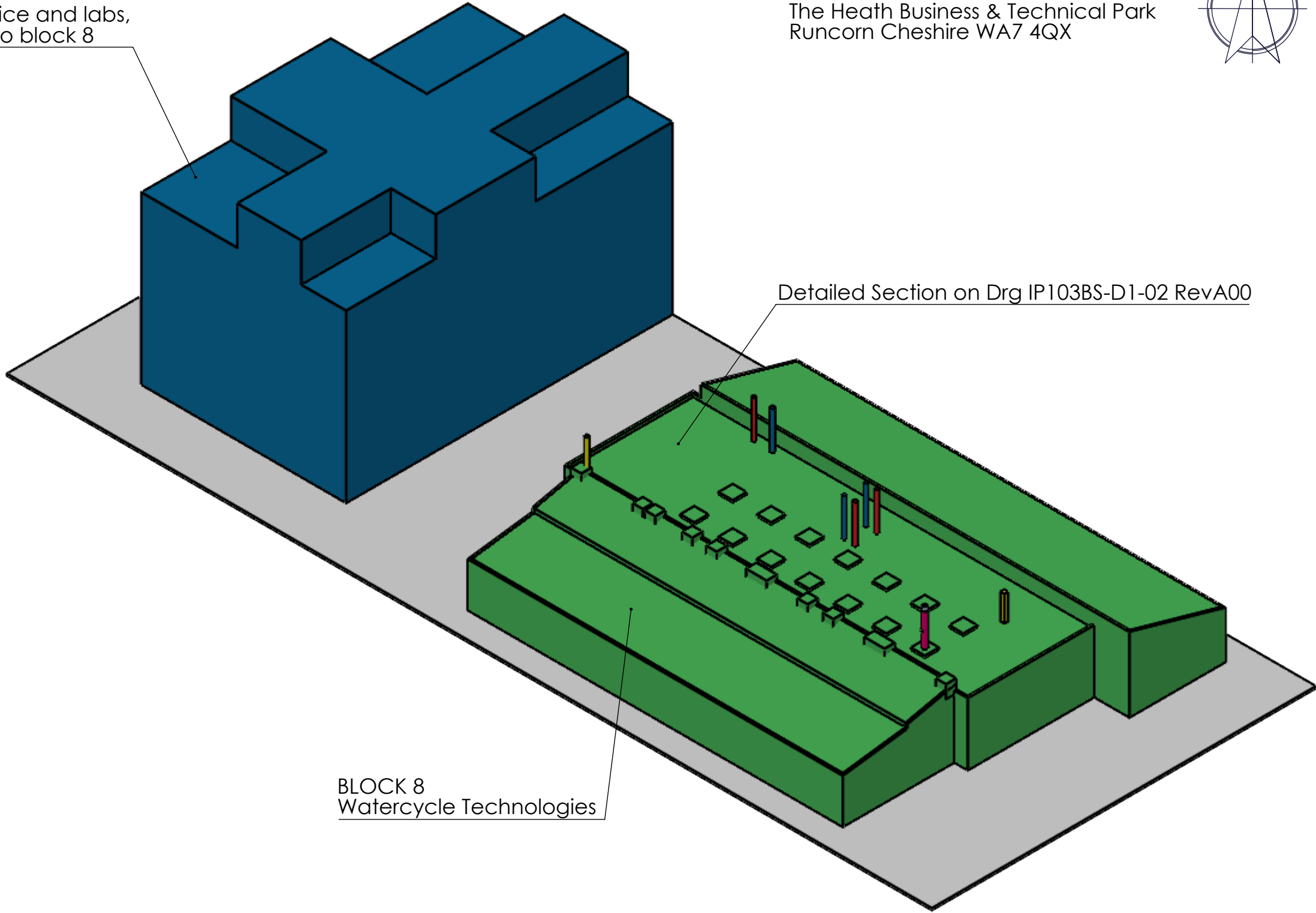
Detailed Section on Drg IP103BS-D1-02 RevA00

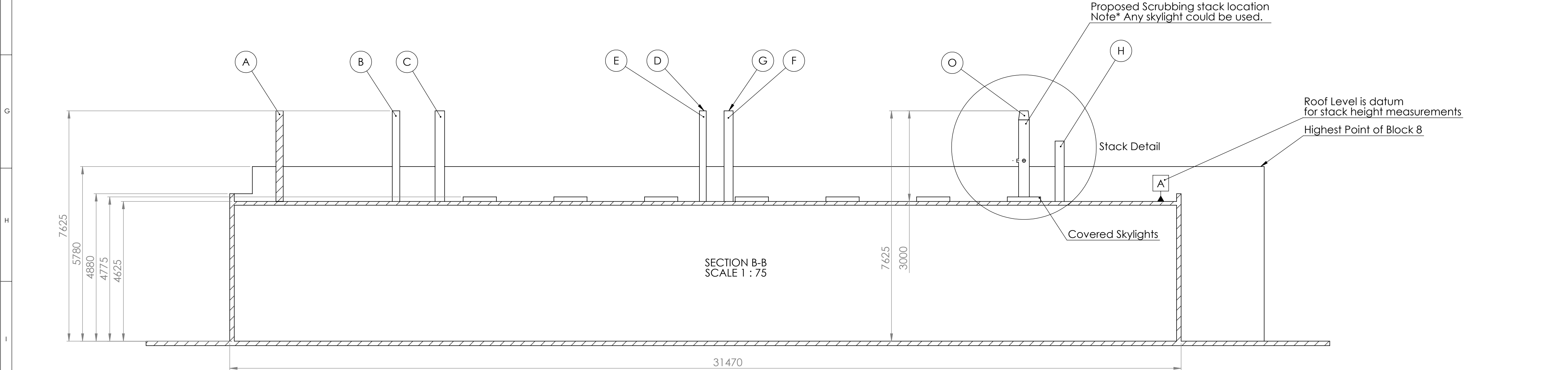
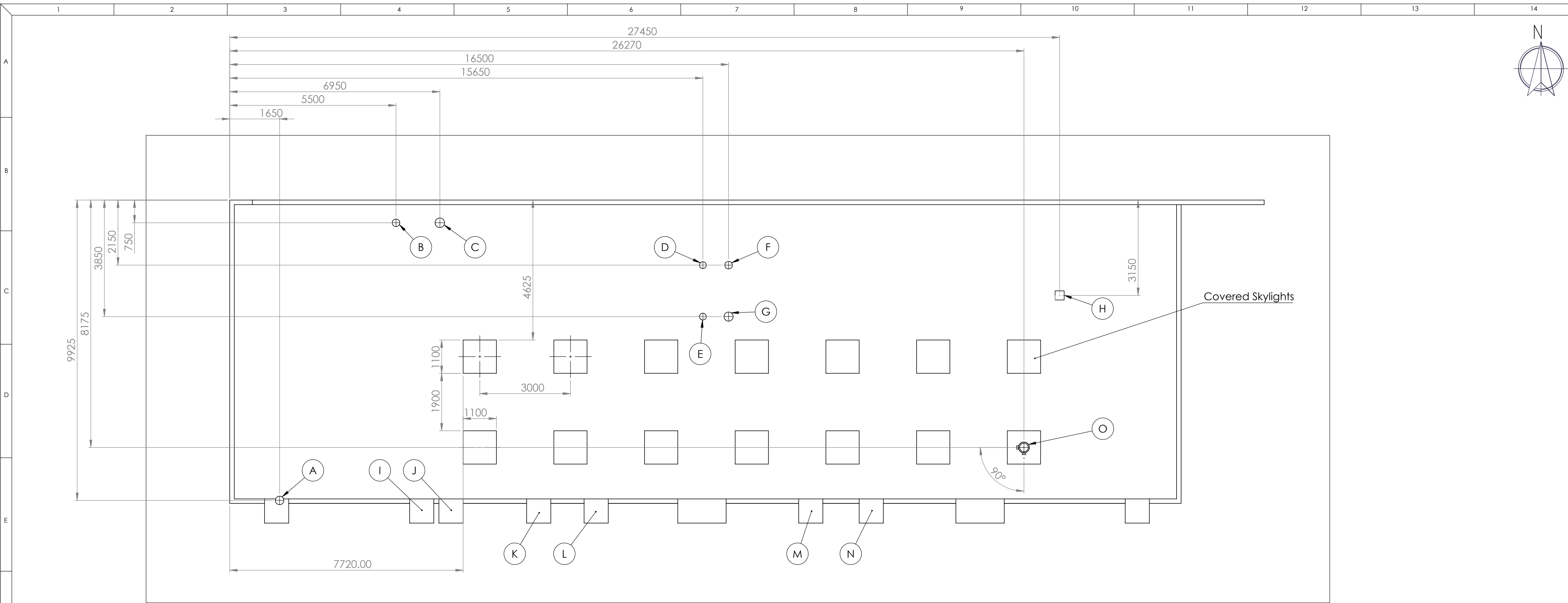
BLOCK 8
Watercycle Technologies

MATERIALS OF CONSTRUCTION	
Brick building with cladded annex	
MACHINING TOLERANCE	
Linear Tolerances	
Feature Size (mm)	Tolerance Range (Fine - Coarse)
> 0.1mm	±0.05 mm to ±0.2 mm
< 10 mm	±0.1 mm to ±0.3 mm
< 100 mm	±0.2 mm to ±0.8 mm
< 1000 mm	±0.5 mm to ±3.0 mm
Angular Tolerances	
Feature Size (mm)	Tolerance Range (Fine - Coarse)
> 0.1mm	±0.5° to ±1.0°
< 10 mm	±0.3° to ±0.5°
< 100 mm	±0.5° to ±1.0°
< 1000 mm	±0.5° to ±1.5°
FABRICATION TOLERANCE	
Hole Position:±0.5 mm (precision), ±1.0 mm (general)	
Welded Frame Flatness: ±1.5 mm per 1000 mm length	
Angular Tolerance: ±1° (general), ±0.5° (precision)	
Sheet Metal Bends: ±0.5 mm(small parts) ±1.5 mm (large parts)	
SURFACE FINISH	
NOTES	
Dimensions within ± 1m	
All dimensions in mm	



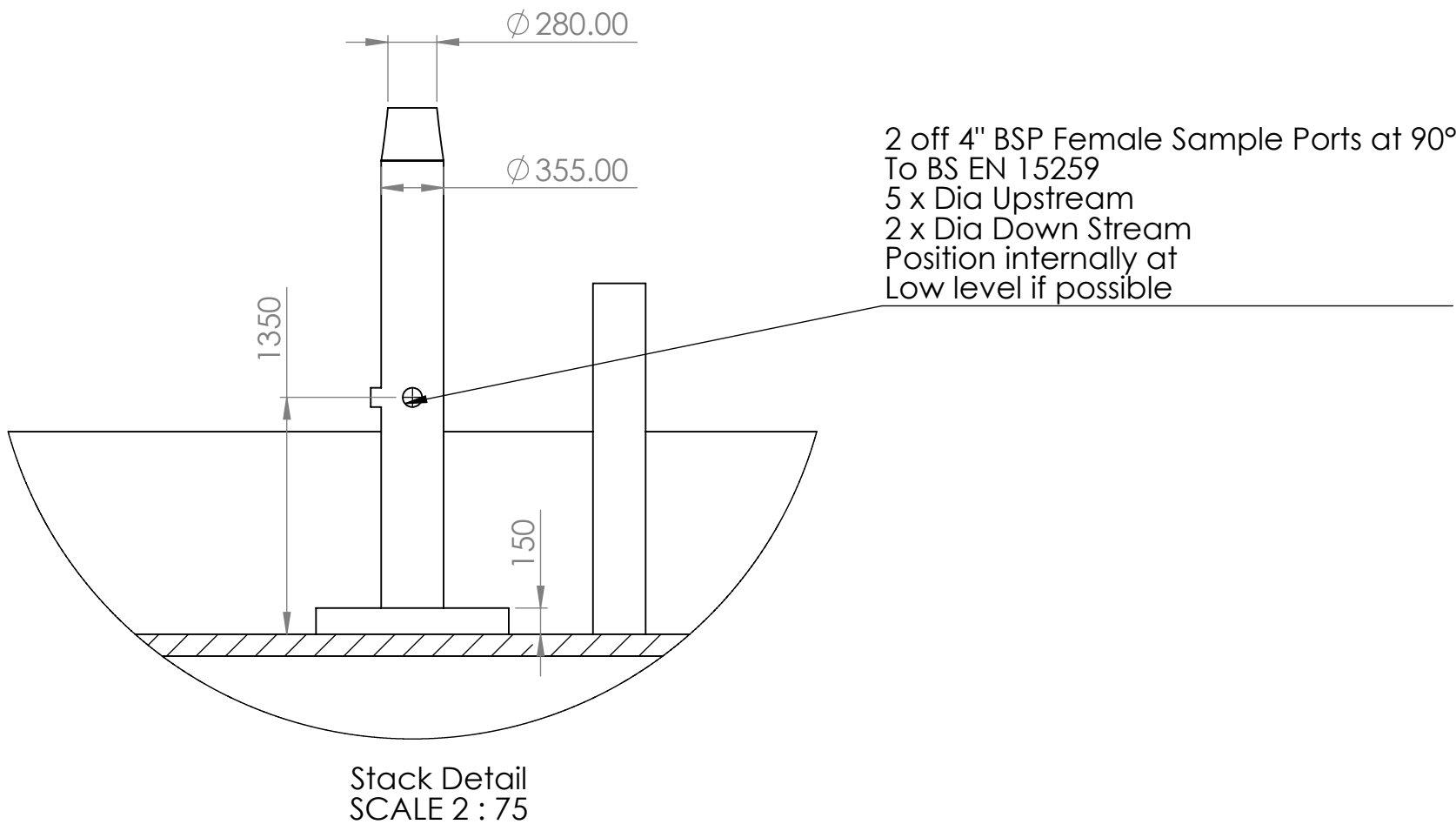
Section of Block 5 science centre, mixed use office and labs, which is over 200m Long and in close proximity to block 8





Detailed Stack Information

Assessment Nb	Stack ID	Height (mm) Above Roof Level	Ø Dia (mm)	Type	Status	Source	Velocity (m/s)	Calculated Volume (m ³ /h)	Emissions	Temperature °C	Op Hours P/D	Op Hours P/Y
-	A	3000	280	Discharge Stack	Not functional	N/A	N/A	N/A	N/A	N/A	0	0
-	B	3000	250	Discharge Stack	Not in use	None	<1	164	N/A	N/A	0	0
1	C	3000	315	Discharge Stack	Planned	Li2CO3/Li3PO4 Pan Dryer	6.35	1782	Filtered Humid Air - 16 kg/h H2O, Li2CO3/Li3PO4	25	8	1928
2	D	3000	225	Discharge Stack	Planned	Li2CO3/Li3PO4 Crystallisation Reactor	11.5	1634	Filtered Humid Air - 2 kg/h Na2CO3/Na3PO4	Ambient	4	964
3	E	3000	225	Discharge Stack	Planned	MHP Reactor	8.35	1197	Humid Air	33	4	964
4	F	3000	315	Discharge Stack	Planned	Black Mass Dust Extraction	14.6	4000	Filtered Air - NMC+Qu +Al +Fe +Li +Fluoride, Plastic +Graphite+VOC	Ambient	1.5	361.5
-	G	3000	300	Discharge Stack	Not in use	Fume Hood	0.5	126	N/A	N/A	0	0
-	H	2000	300*2	Discharge Stack	Not functional	N/A	N/A	N/A	N/A	N/A	0	0
-	I	800		Roof Mounted Fan	Not functional	N/A	N/A	N/A	N/A	N/A	0	0
-	J	800		Roof Mounted Fan	Not functional	N/A	N/A	N/A	N/A	N/A	0	0
-	K	800		Roof Mounted Fan	Not functional	N/A	N/A	N/A	N/A	N/A	0	0
-	L	800		Roof Mounted Fan	Not functional	N/A	N/A	N/A	N/A	N/A	0	0
-	M	1500	110	Air inlet	N/A	N/A	N/A	N/A	N/A	N/A	0	0
-	N	1300	200	Air inlet	N/A	N/A	N/A	N/A	N/A	N/A	0	0
5	O	3000	350	Discharge Stack	Planned	Black Mass Sulphuric Acid Leaching Reactor	13.98	3094	H2, O2, CO2, CO, SO2, VOC	25	4	964



MATERIALS OF CONSTRUCTION	
Roof material, composite with bitumen coating	
MACHINING TOLERANCE	
Linear Tolerances	
Feature Size (mm)	Tolerance Range (Fine - Coarse)
> 0.1mm	±0.05 mm to ±0.2 mm
< 10 mm	±0.1 mm to ±0.3 mm
< 100 mm	±0.2 mm to ±0.8 mm
< 1000 mm	±0.5 mm to ±3.0 mm
Angular Tolerances	
Feature Size (mm)	Tolerance Range (Fine - Coarse)
> 0.1mm	±0.5° to ±1.0°
< 10 mm	±0.3° to ±0.5°
< 100 mm	±0.5° to ±1.0°
< 1000 mm	±0.5° to ±1.5°
FABRICATION TOLERANCE	
Hole Position:±0.5 mm (precision), ±1.0 mm (general)	
Welded Frame Flatness: ±1.5 mm per 1000 mm length	
Angular Tolerance: ±1° (general), ±0.5° (precision)	
Sheet Metal Bends: ±0.5 mm(small parts) ±1.5 mm (large parts)	
SURFACE FINISH	
NOTES	
Dimensions within ± 1m	
All dimensions in mm	



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REVISIONS		
NAME	REVISION	DATE
MW	00	02.04.26
MW	01 Stacks E/F Moved 10m from O and table updated	24.04.26

THIRD ANGLE PROJECTION		
DO NOT SCALE		
IF IN DOUBT ASK		
ALL DIMS IN MILLIMETERS UNLESS OTHERWISE STATED		
PROJECT:		
IP-103-BS		
TITLE:		
Block 8 Stack positions (Centre of Block 8 only)		
DRAWN BY:		MW
APPROVED BY: -		-
SCALE: -		SHEET: 2 OF 2
DRG. NO. IP103BS-D1-02		RevA01