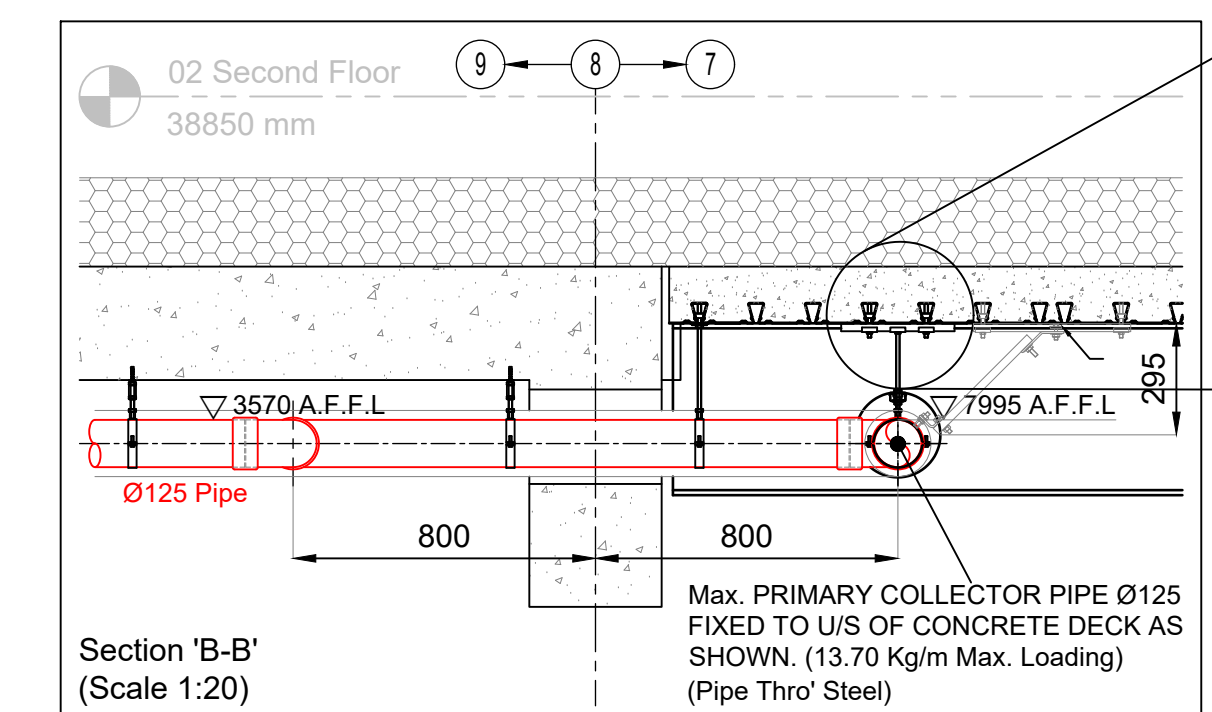
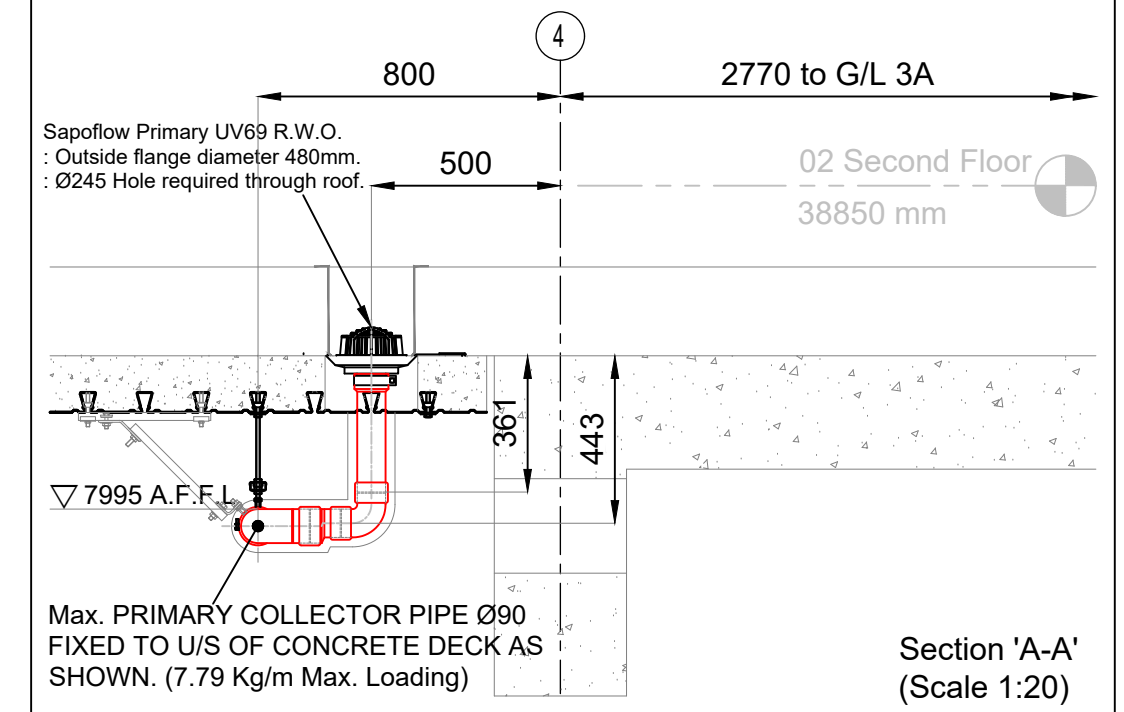
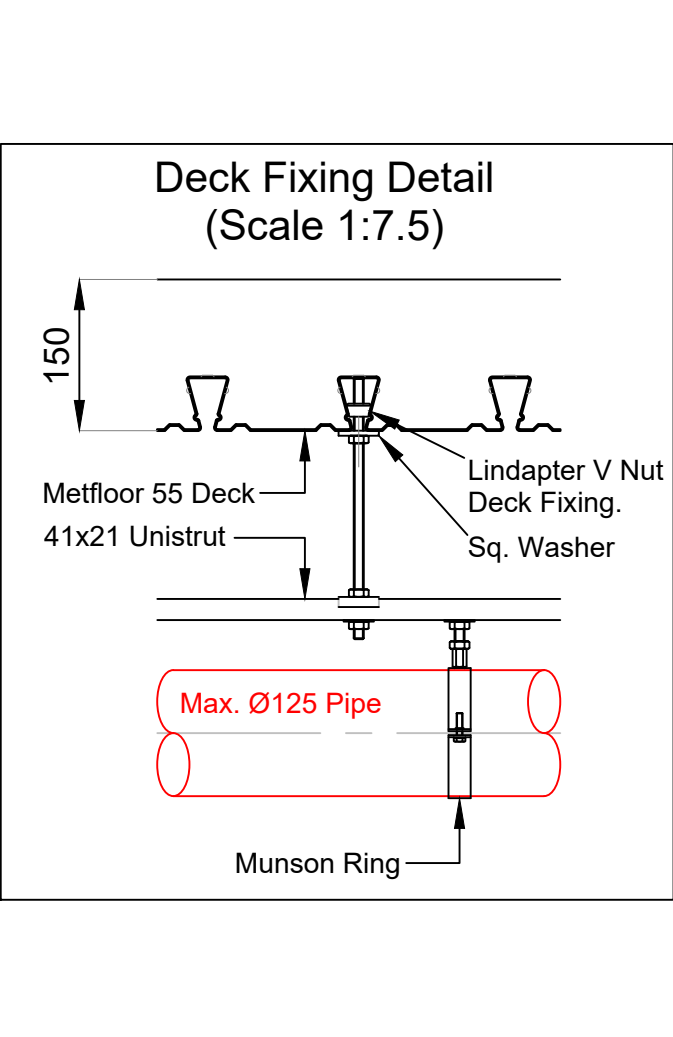
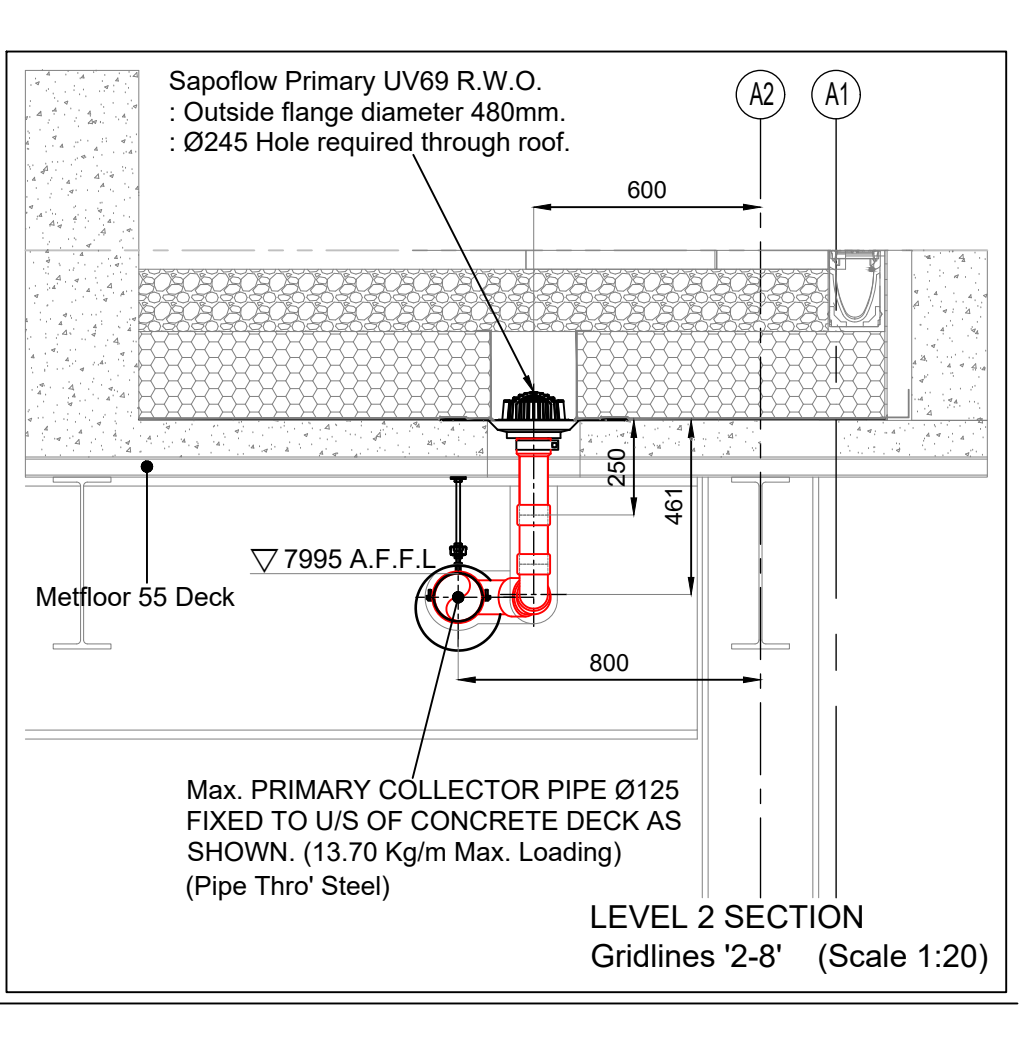
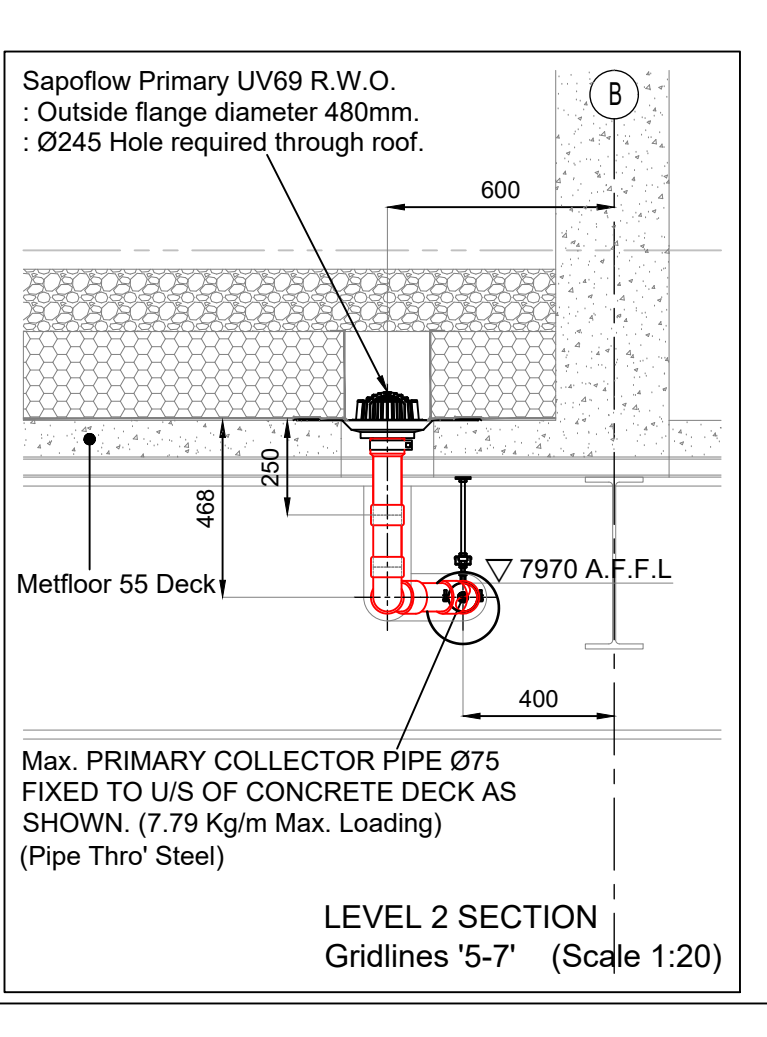
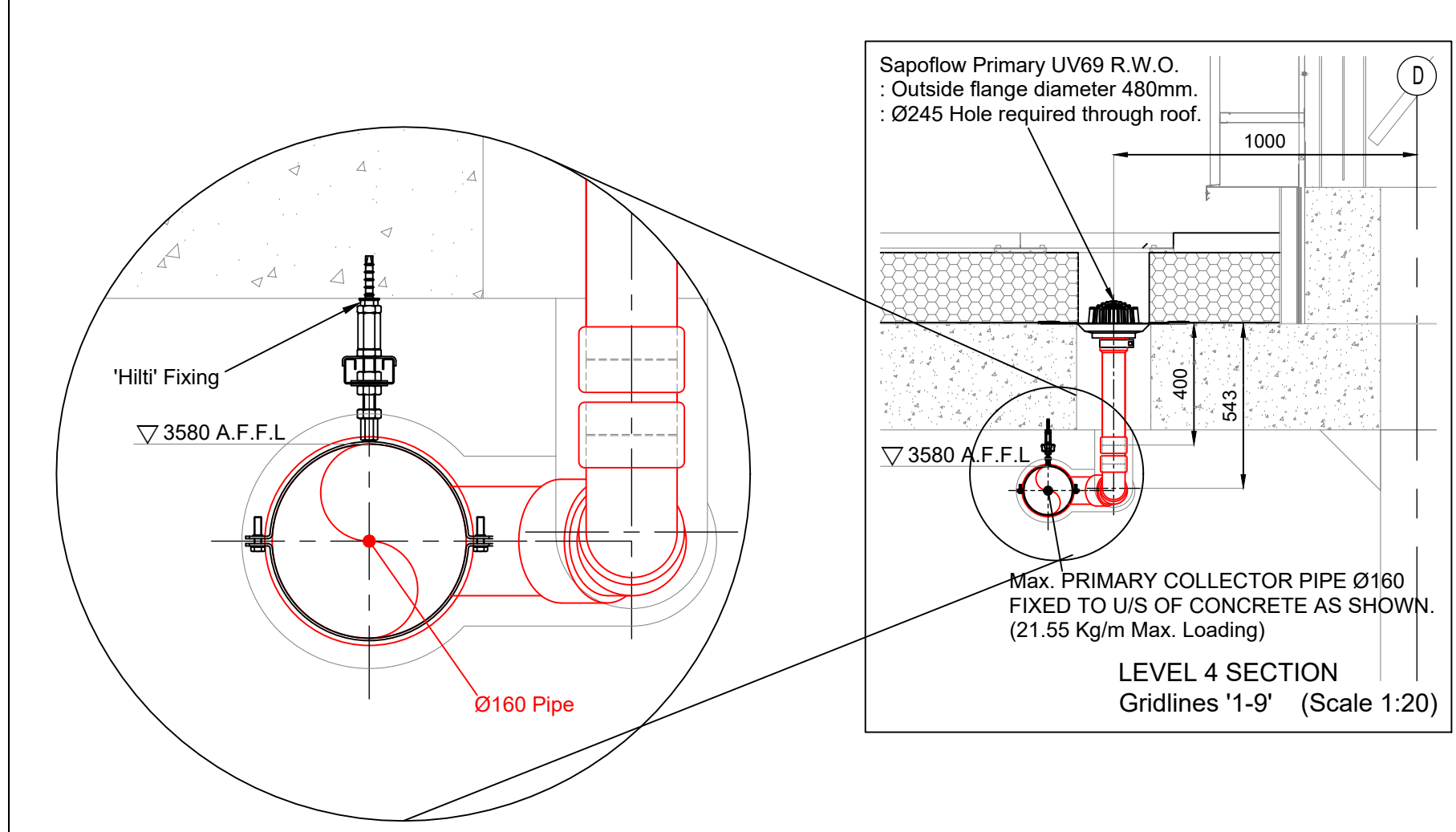
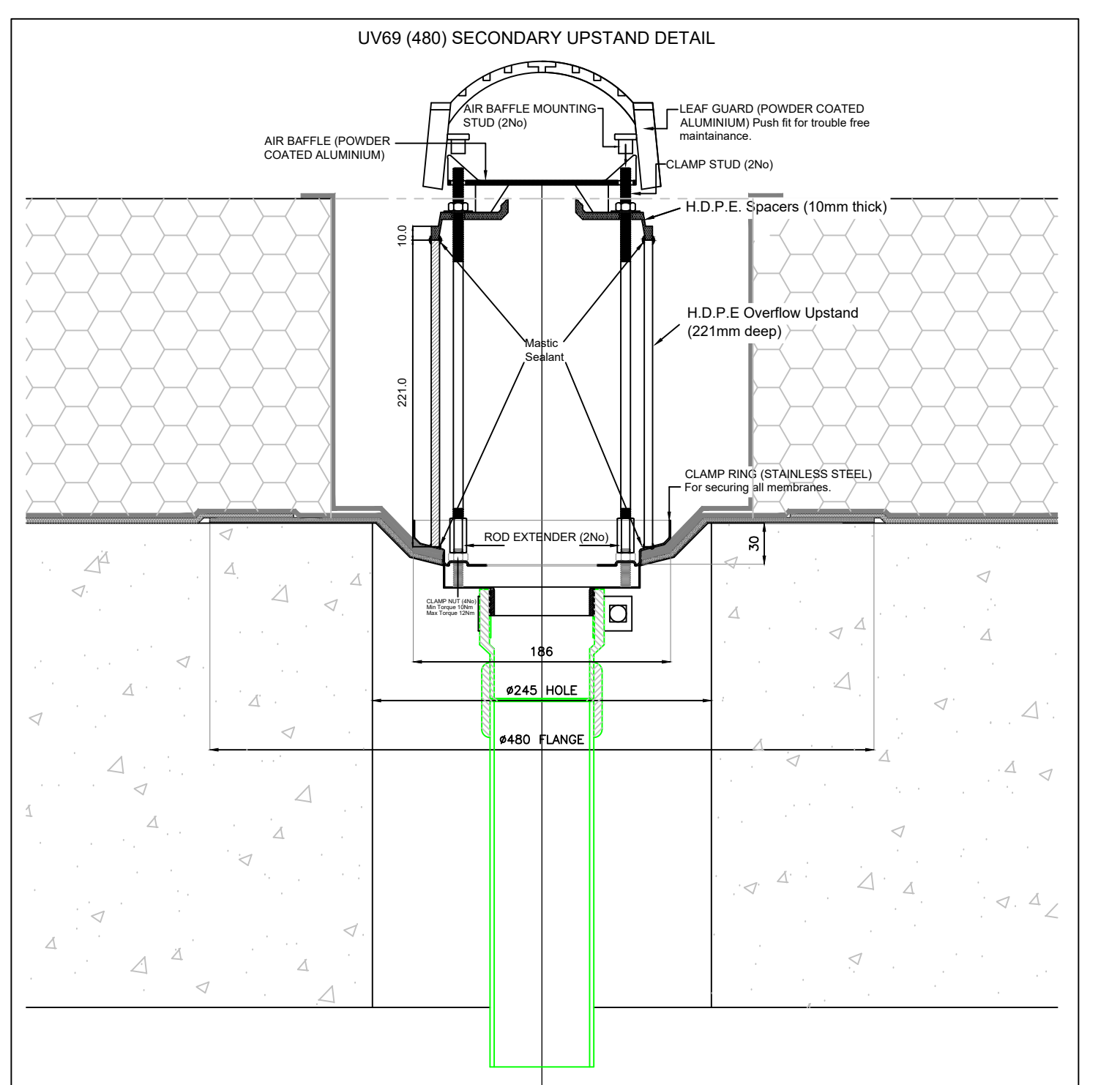
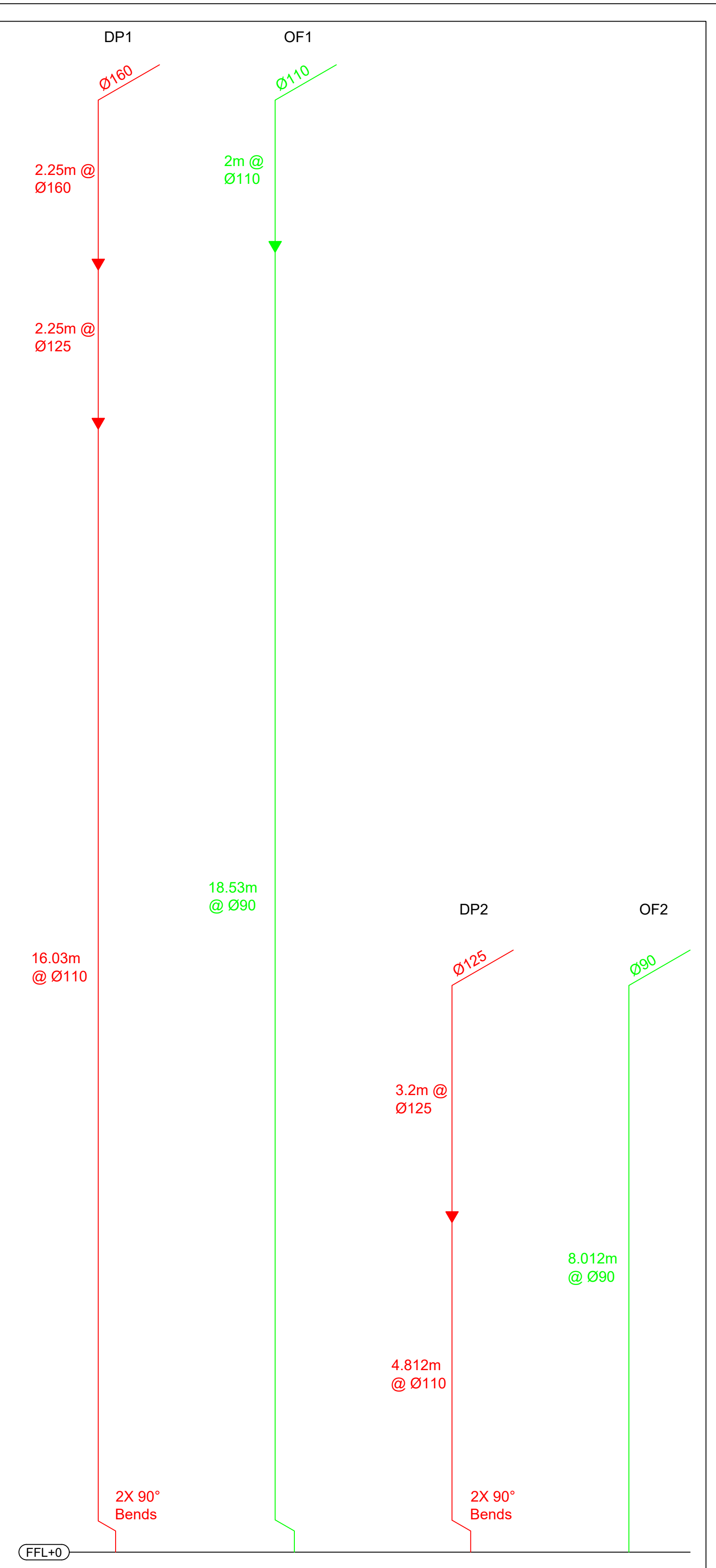
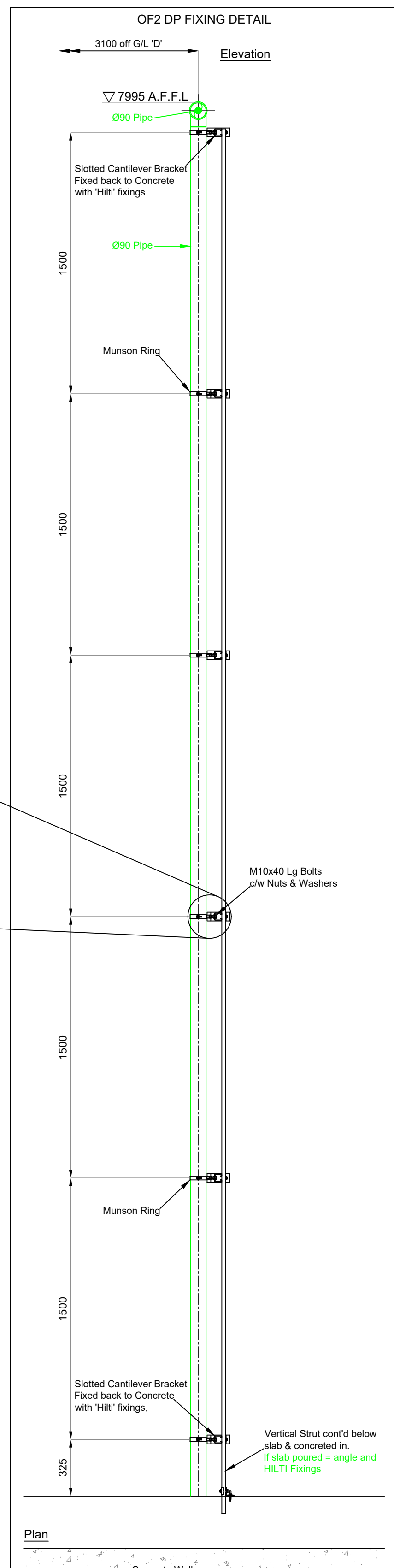
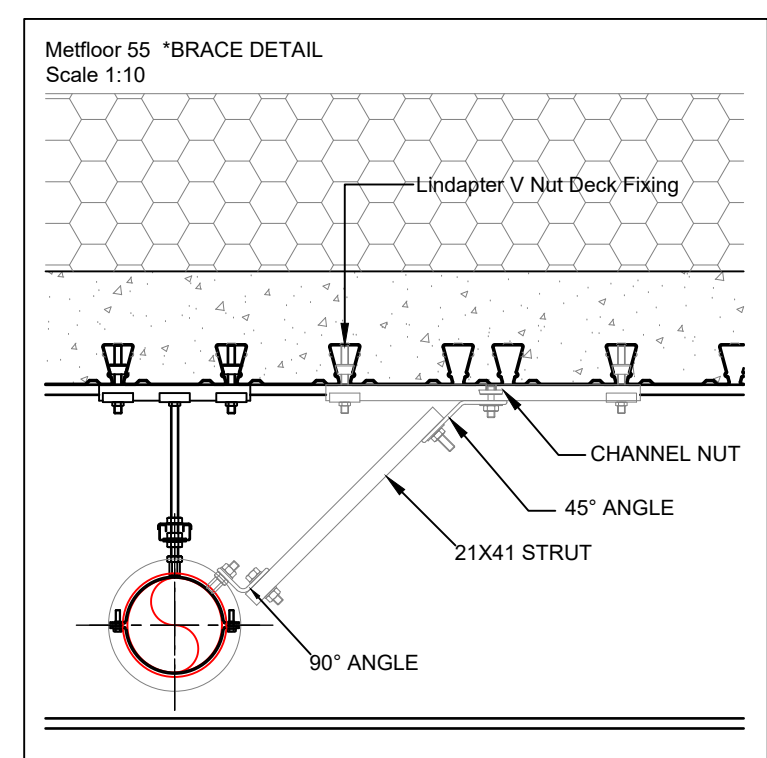
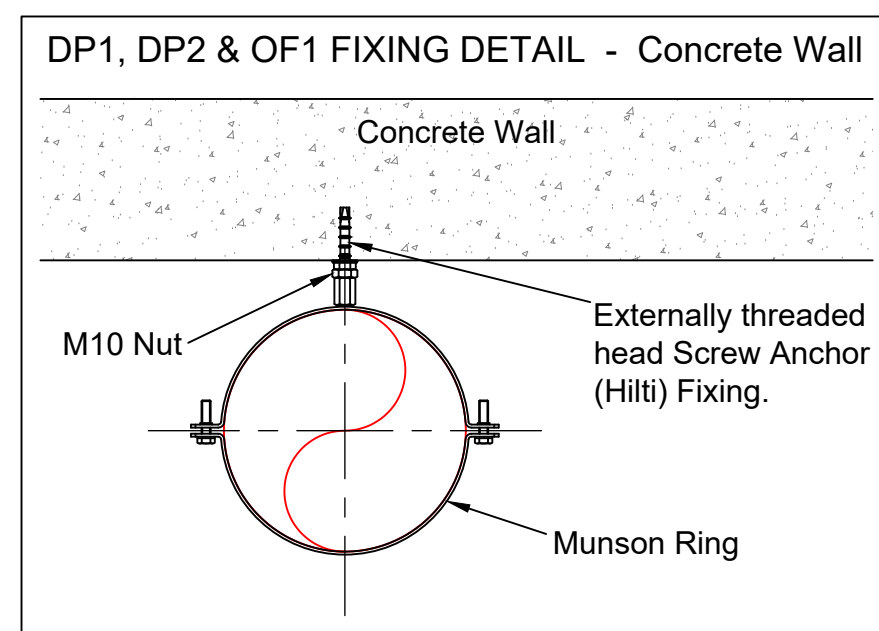
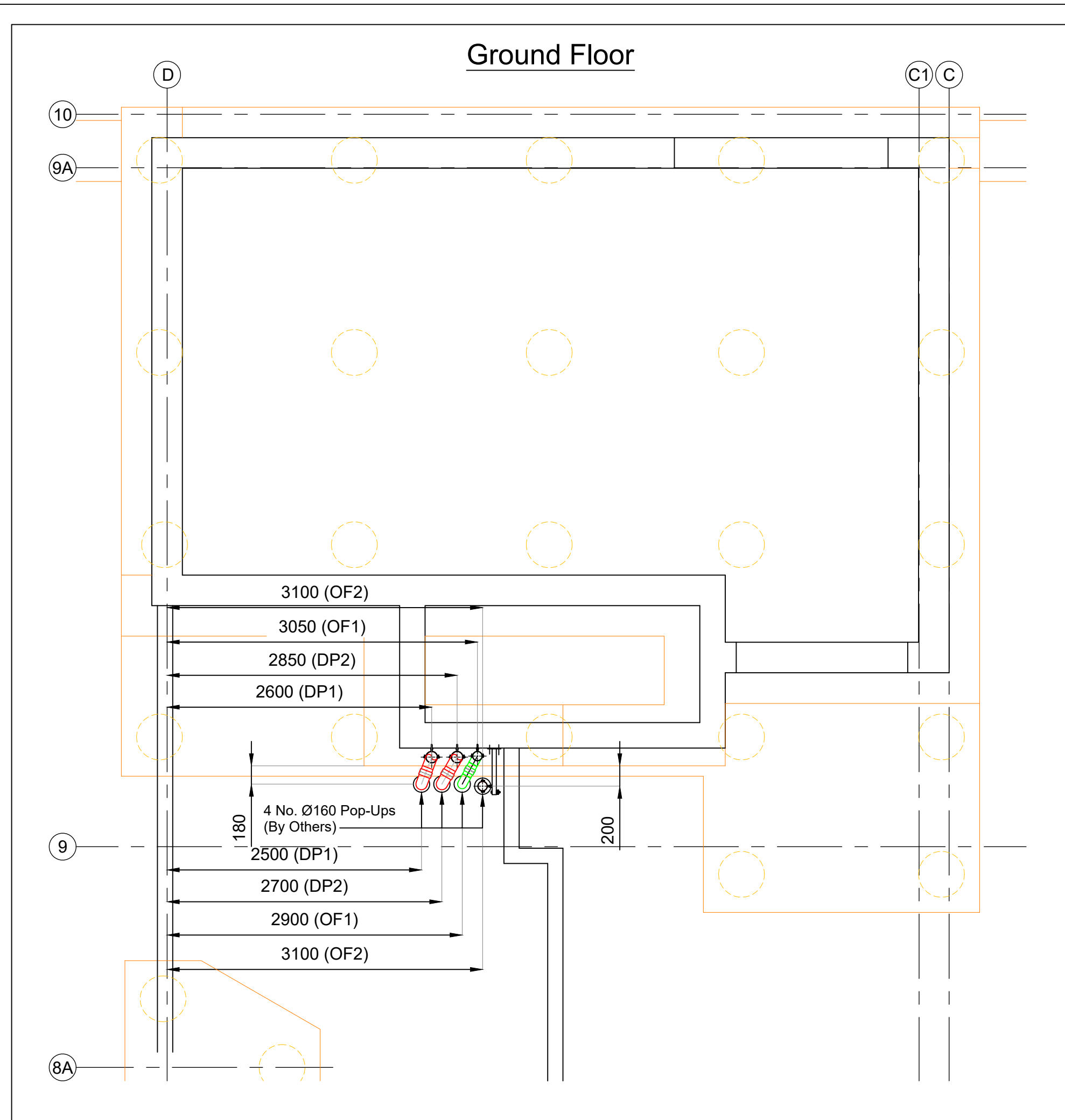
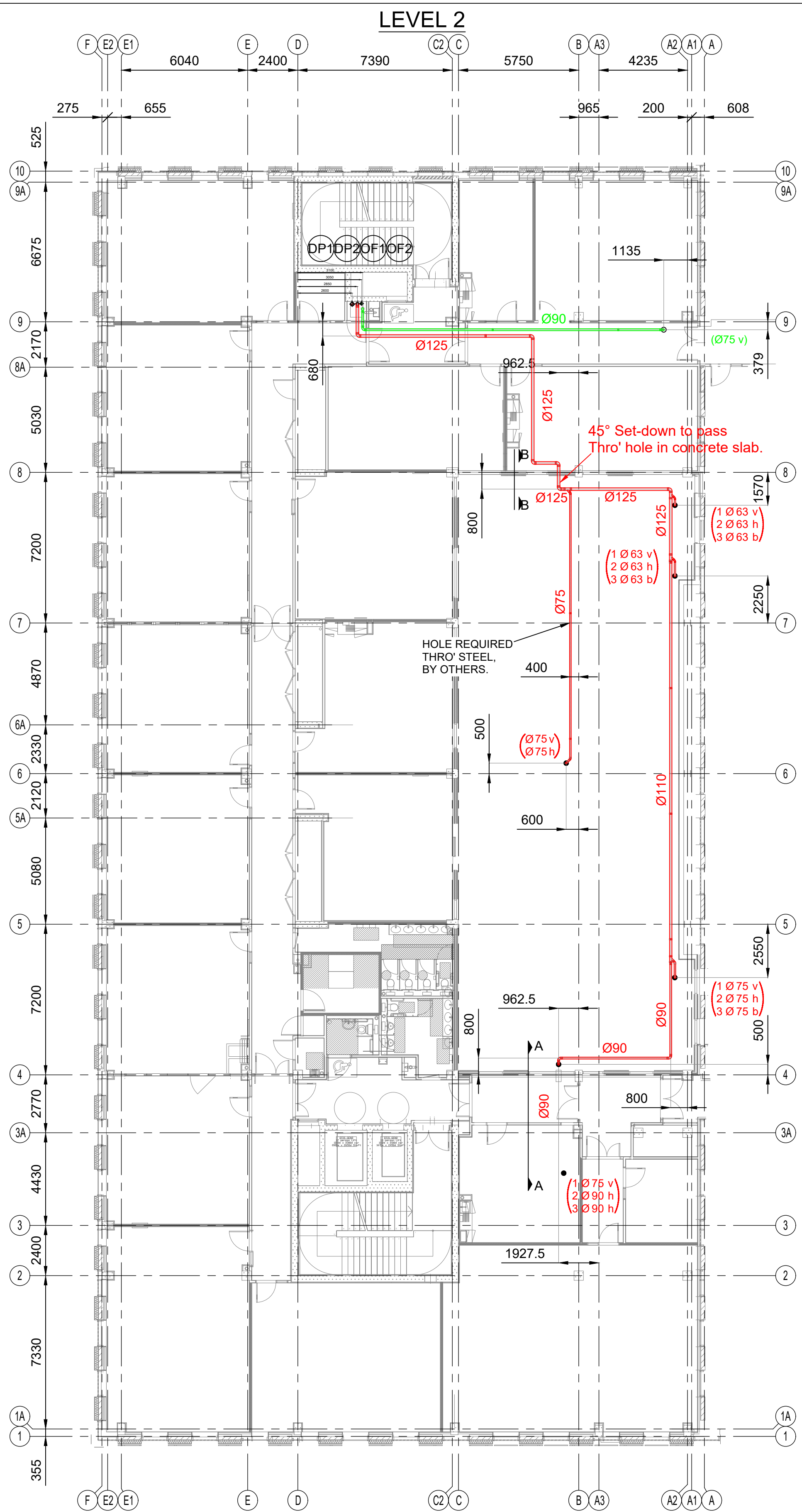
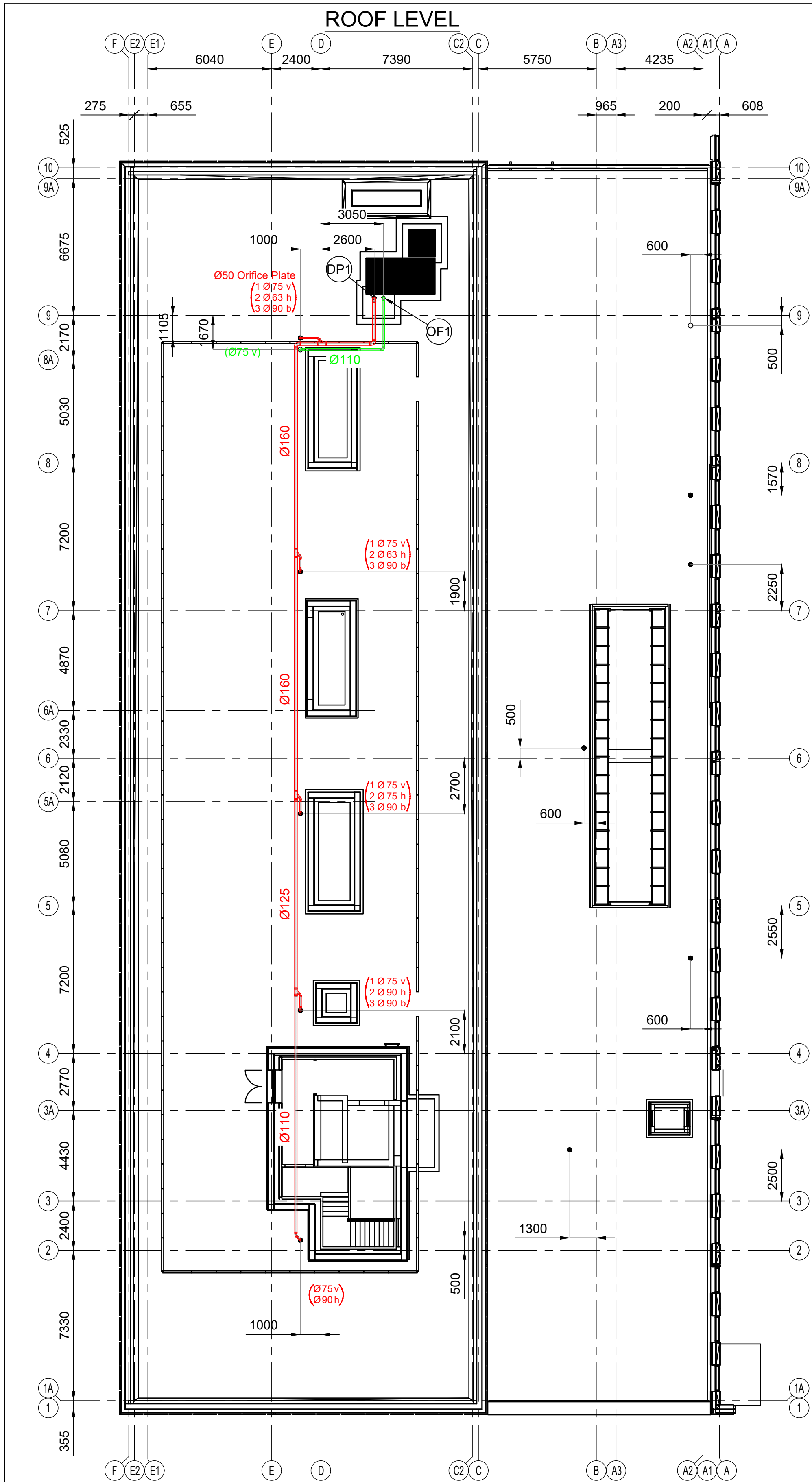




SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the Hazards / Risks normally associated with the type of work detailed on this drawing, note the following:

- Please refer to the O&M Manual for additional HSE Information

KEY REFERENCE :-

- Sapoflow Primary System R.W.O.
- Sapoflow Primary System Pipe Route.
- Sapoflow Primary Down Pipe.
- Sapoflow Overflow System R.W.O.
- Sapoflow Overflow System Pipe Route.
- Sapoflow Overflow Down Pipe.

BRACKET SPACINGS & LOADINGS FOR H.D.P.E. PIPE SUPPORTED FROM MAIN STRUCTURE: e.g. Roof Purlin					
PIPE DIAMETER (mm)	BRACKET SPACINGS (mm)	LOADING PER BRACKET (mm)	PIPE DIAMETER (mm)	BRACKET SPACINGS (mm)	LOADING PER BRACKET (mm)
Ø50	2000	6.76 Kg	Ø125	2000	27.40 Kg
Ø63	2000	9.07 Kg	Ø160	2000	43.09 Kg
Ø75	2000	11.68 Kg	Ø200	2000	62.96 Kg
Ø90	2000	15.58 Kg	Ø250	1500	73.71 Kg
Ø110	2000	21.87 Kg	Ø315	1500	120.0 Kg

BRACKET SPACINGS & LOADINGS FOR H.D.P.E. PIPE SUPPORTED FROM UNISTRUT CHANNEL: NOTE: 41x21 UNISTRUT FOR PIPES UP TO AND INCLUDING Ø160, 41x41 UNISTRUT Ø200 & ABOVE.					
PIPE DIAMETER (mm)	BRACKET SPACINGS (mm)	LOADING PER BRACKET (mm)	PIPE DIAMETER (mm)	BRACKET SPACINGS (mm)	LOADING PER BRACKET (mm)
Ø50	1000	3.38 Kg	Ø125	1500	20.55 Kg
Ø63	1000	4.54 Kg	Ø160	2000	43.09 Kg
Ø75	1000	5.84 Kg	Ø200	2000	62.96 Kg
Ø90	1500	11.69 Kg	Ø250	2000	98.28 Kg
Ø110	1500	16.40 Kg	Ø315	2000	160.0 Kg

RAINFALL INTENSITY 178 mm/hr Primary Systems.			
DOWNPIPE NUMBER	DIMENSION DATA	DISCHARGE FLOW (l/s)	DISCHARGE VELOCITY (m/s)
DP1	See Isometric	62.03	7.65
DP2	See Isometric	36.29	4.48

105 mm/hr Primary Systems.			
DOWNPIPE NUMBER	DIMENSION DATA	DISCHARGE FLOW (l/s)	DISCHARGE VELOCITY (m/s)
OF1	See Isometric	32.08	5.93
OF2	See Isometric	20.18	3.73

MIN GUTTER SOLE 300mm / HOLE Ø150mm

SAPOFLOW
Siphonic Roof Drainage Systems.

SAPOFLOW LIMITED - Telephone 01226 297200
FALL BANK INDUSTRIAL ESTATE - Fax 01226 294038
DOODWORTH - BARNESLEY - E-mail info@sapoflow.com
SOUTH YORKSHIRE - S75 3LS - Website www.sapoflow.com

PROJECT
The Manchester College
Phase 2

TITLE
SIPHONIC ROOF DRAINAGE PLAN

DESIGN	DRAWN	CHECKED
W. Beaumont	W.B./AutoCAD	T.G.

SCALE 1:150 @ A0 DATE 03/11/23

PROJECT NO. 22031 CCHP2-SAP-ZZ-XX-DR-X-0001 REV C01

18 September 2013
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