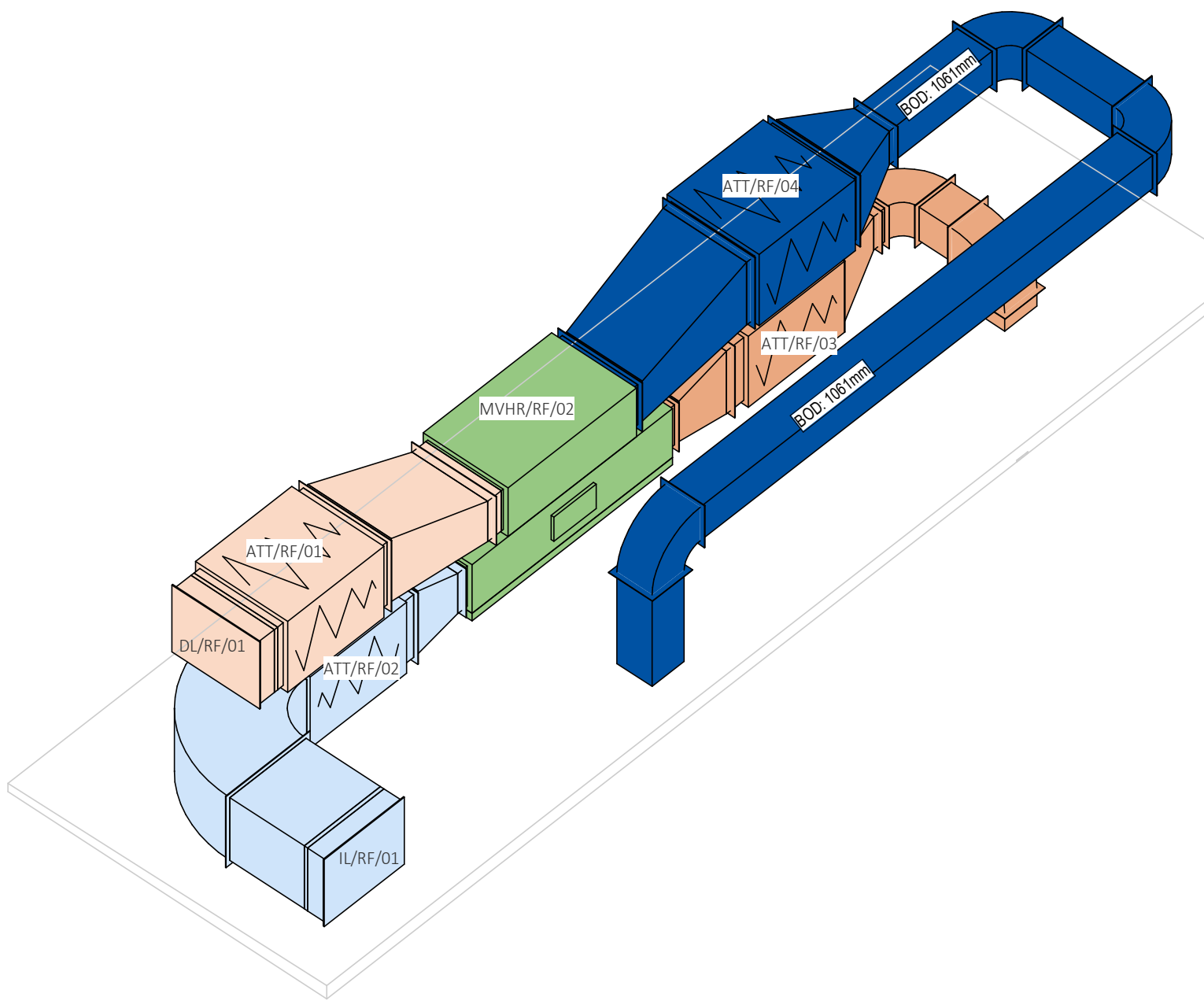
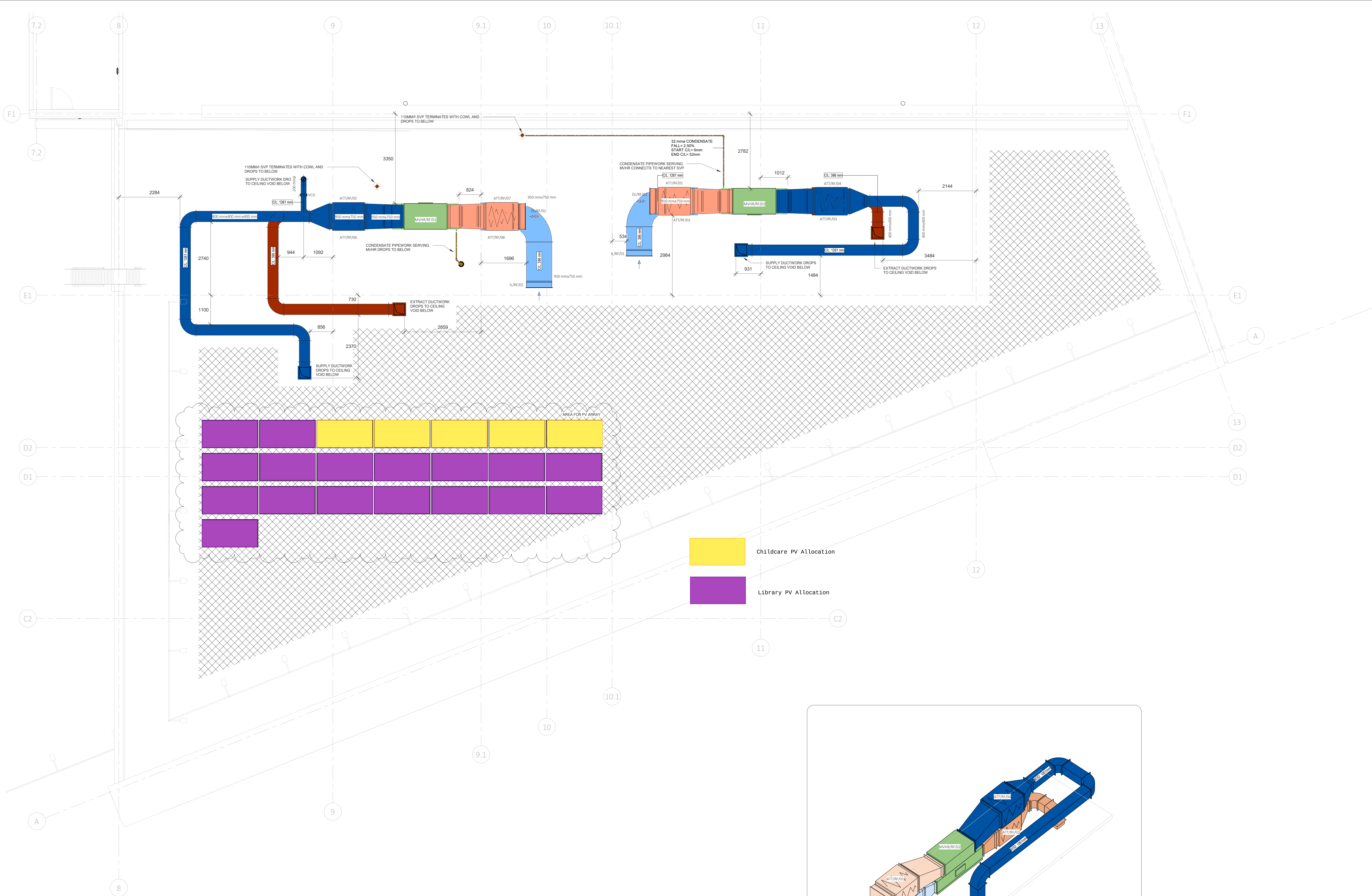




3D - MVHR DETAIL

Building Outline Information

Architect Model/Drawing Number	Revision

NOTES

- All dimensions are to be checked on site before the commencement of works. Any discrepancies are to be reported to the Architect & Engineer for verification. Figured dimensions only are to be taken from this drawing.
- This drawing is to be read in conjunction with all relevant engineers' and service engineers' drawings and specifications. This drawing is copyright.
- General installation to comply with HVCA DW144.
- Access panels for inspection purposes fitted to be provided and installed in accordance with TR19.
- Ventilation installation to comply with BS 5588 - Part 9:1999.
- Alternators to be selected by contractor upon confirmation of fan selections. The contractor shall ensure the alternators selected meet the NR criteria as specified in the relevant schedules.
- Fire / smoke dampers to be provided in association with the architect's fire strategy drawings. Access panels to be provided for access to reset damper.
- Fire dampers to incorporate external indicator fitted to the access (cassette) side of the damper casing giving visual indication of damper blade position.
- Flexible ductwork lengths shall not exceed 500mm and shall not be used for changes of direction.
- The responsibility for the support of the entire ductwork system and associated plant shall be that of the contractor.
- All supply and air inlet ductwork / plenums shall be insulated.
- All dampers shall be of the opposed blade configuration.
- Final connections to grilles / diffusers to be made with acoustic flexible ductwork. Louvers to be fitted with insulated plenum boxes.
- Ducts to transform and connect to plenum boxes.
- VCDs shall be included on all final duct branches leading up to grilles / diffusers.
- For final louvre locations refer to Architectural layouts and elevations. All doors lying between rooms with a flow differential are to be ordered by 10mm.

Legend

	Ventilation - General
	Fresh Air - General
	Supply Air - General
	Return Air - General
	Exhaust Air - General
	Extract Air - Toilet
	Extract Air - Kitchen
	Extract Air - Toilet
	Foul Water
	Condensate

Abbreviations

MVHR - Mechanical Ventilation Heat Recovery
CTA - Cross Tail Alternator
EF - Extract Fan
SG - Supply Grille
EG - Extract Grille
IL - Intake Louvre
DL - Discharge Louvre
FD - Fire Damper
SD - Fire & Smoke Damper
RTA - Rises to Above
RFB - Rises from Below
DFA - Drops from Above
DTB - Drops to Below
SVP - Soil Vent Pipe
FG - Floor Gully

Tag Legend

XX-YY-XX
YY = LEVEL
XX = HOLE NUMBER

Note: Holes for external louvres to be site measured.

C03	SOLAR PANELS ADDED	RI	04/07/2022
C02	SUITABLE FOR CONSTRUCTION	TD	21/03/2022
C01	SUITABLE FOR CONSTRUCTION	TD	17/02/2022
Rev	Description	Drawn	Date

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Client:
**Neath Port Talbot
County Borough
Council**

Project:
**Library & ChildCare
Development Neath
Town Centre**

Drawing Title:
**Combined Services
Roof**

Scale: 1 : 50 @ A0 Designed: TD Checked: CE

Drawing Number:
NTCLR-D-BAF-XX-RF-DR-ME-00036

Revision:
C03

Suitability: A5 Drawing Status: CONSTRUCTION

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