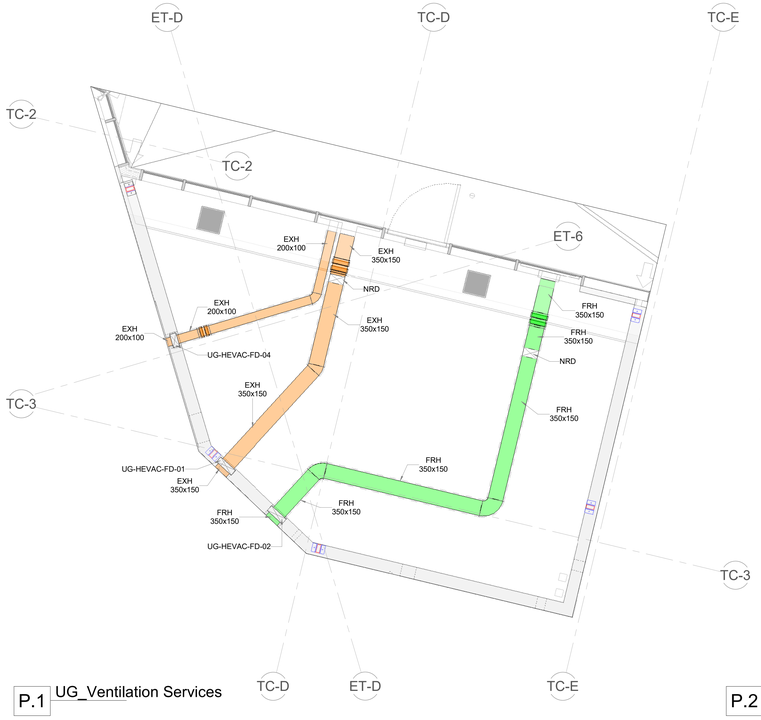
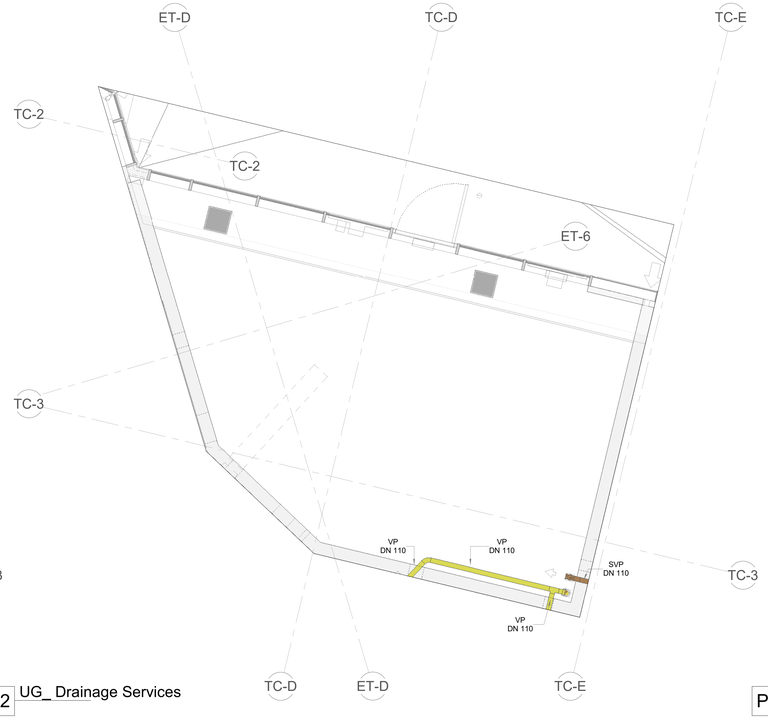
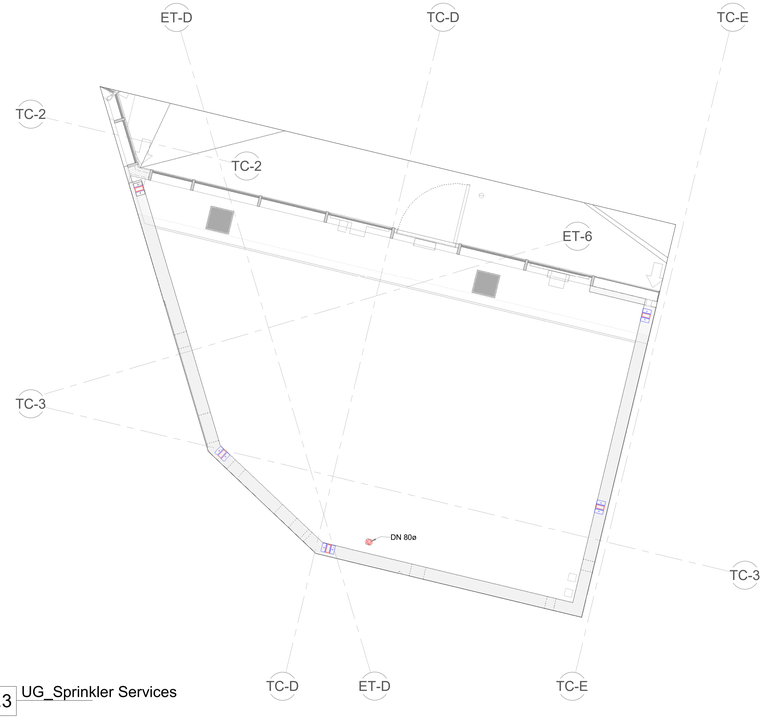


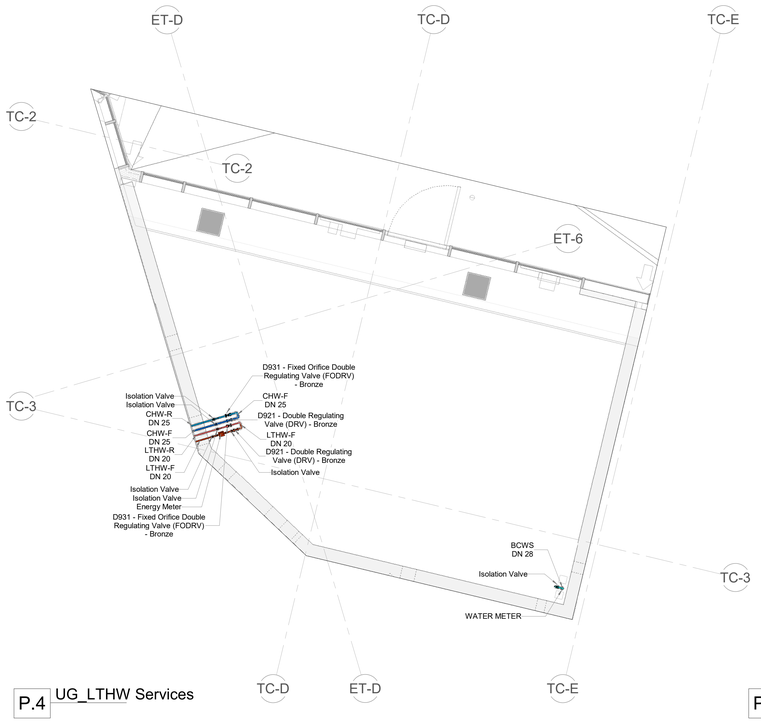
P.1 UG_Ventilation Services



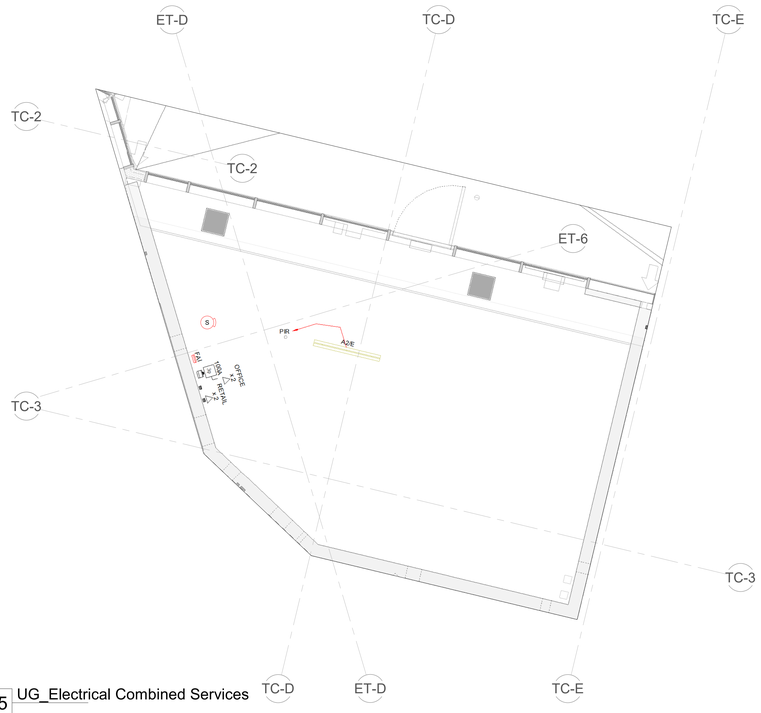
P.2 UG_ Drainage Services



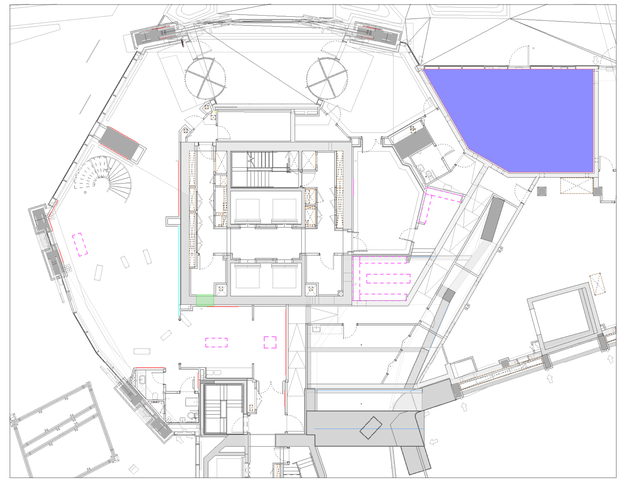
P.3 UG_Sprinkler Services



P.4 UG_LTHW Services



P.5 UG_Electrical Combined Services



K KEYPLAN

JRL
ARK M&E
4 Elstree Way, Borehamwood, Hertfordshire, WD6 1RN Tel: +44 208 953 7900

NOTES:

1. This drawing is to be read in conjunction with all relevant drawings, documents & specification.
2. Dimensions not to be scaled.
3. For detailed pipe sizing please refer to the specialists schematics.
4. Manual air vents installed at all high points.
5. Drains installed at all lower points.
6. Insulation added in accordance with BS5970.
7. Noggings as per architectural drawings.
8. For thermostat locations please refer to the small power drawings.
9. Pipework runs to FCUs are in steel, with final connections onto FCU valve sets in copper.
10. For grille sizing please refer to the grille schedules.
11. Sprinkler System designed and installed according to BS9251:2014.

LEGEND

- LTHW-F - Low Temperature Hot Water Flow
- LTHW-R - Low Temperature Hot Water Return
- CHW-F - Chilled Water Service Flow
- CHW-R - Chilled Water Service Return
- Exhaust Air - (EXH)
- Extract Air - (EXT)
- Fresh Air - (FRH)
- Supply Air - (SUP)
- Boosted Cold Water Service - (BCWS)
- FCU Condense Drainage - (COND)
- Sprinkler Pipework - (SPK)
- Pendant Sprinkler
- FCU Access Panel

Small Power

- Isolator (xx A = Current Rating) (1φ = Single Phase ; 3φ = Tri-Phase)

Data

- Data Socket (RJ45)
- WIFI

Fire Alarm

- Fire Alarm Interface Device

Security

- CCTV
- Luminaire Onlight ORLLEDBT (E = Eemergency Fixture)
- PIR Lighting Control
- Smoke Detector w/ Beacon and Sounder Base

Pipework/Ductwork Annotation

System Abbreviation
Pipe Size *[DN mm]*

Rev	Date	Seq	BY	Description
Z2	16/07/2024	282	M.G.	As Built
Z1	11/06/2024	261	S.D.	As Built

Client:
FAR EAST CONSORTIUM

Project:
CONSORT PLACE
Consort Place Canary Wharf, London, E14 9TP

Drawing area:
EAST TOWER — UPPER GROUND

Drawing Title:
COMBINED SERVICES LAYOUT

Approved By:	A. Sinclair	Date:	07/06/2024
Checked By:	J. Monzo	Scale:	As indicated
Drawn By:	S. Dogduay	Scale:	A0

Status:
AS BUILT

Drawing No.
Project - Originator - Role - Volume - Type - Number
CP-ARK-ET-UG-DR-Z-70-0001

Rev.
Z2

Print Date: 16/07/2024 12:55:46
File Name: CP-ARK-ET-ZZ-DM-Y-80-0004