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 1.
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Legend:

	EXISTING PIPEWORK
	NEW PIPEWORK
	LOW LEVEL PIPEWORK
	HIGH LEVEL PIPEWORK
AAV	AUTOMATIC AIR VENT
CHW F&R	CHILLED WATER FLOW & RETURN
FODRV	FIXED ORIFICE DOUBLE REGULATING VALVE
IS	ISOLATING VALVE
S	TEMPERATURE SENSOR

NEW 22 MWS CONNECT TO EXISTING SYSTEM. EXACT LOCATION TBC. PIPEWORK TO BE TRACE HEATED.
 REMOVE 3 PORT VALVE AND PART OF CHW F&R AND REPLACE WITH STRAIGHT PIPE WITH BMS SENSOR POCKETS (RE-USE SENSORS) AND HEAT METER SENSOR POCKETS.
 NEW PROCESS COOLING WATER PUMPS SECONDARY PUMPS
 EXISTING PROCESS COOLING WATER PUMPS RELOCATED AND RENAMED PRIMARY PUMPS
 RECONNECT NEW 80 CHW F&R PRIMARY CIRCUIT TO EXISTING. PIPEWORK TO BE SUPPORTED ACROSS WALKWAY TO ALLOW CLEAR HEAD HEIGHT.
 REMOVE SECTION OF 80 CHW F&R
 PLATE HEAT EXCHANGER
 EXPANSION VESSEL AND PRESSURISATION UNIT
 RECONNECT NEW 80 CHW F&R SECONDARY CIRCUIT. PIPEWORK TO BE SUPPORTED ACROSS WALKWAY TO ALLOW CLEAR HEAD HEIGHT.
 GRP HOUSING, APPROXIMATE SIZE 3M x 3M x 2M HIGH, HOUSING TO BE FIXED TO ROOF TO STRUCTURAL ENGINEERS DETAIL.
 EXISTING 80 CHW F&R
 EXISTING CONTROL PANEL
 PERMANENT ACCESS LADDER

Revisions:

Ref.	Date	Description	By	App
PL01	22-06-22	PLANNING ISSUE	MB	SA

Location Plan:
 N/A

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Project:
 LONDON CENTRE FOR NANOTECHNOLOGY
 PROCESS COOLING SYSTEM MODIFICATIONS

Title:
 PROPOSED ROOF LAYOUT

Date:	12-04-21	Designed by:	MB
Paper Size:	A1	Approved by:	SA
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