SCHEDULE OF CHILLER UNITS

REFERENCE	LOCATION	DESCRIPTION	MANUFACTURER	MODEL REF	RATING HTG/COOLING	TEMPERATURE HTG/COOLING	UNIT FLOWRATE HTG/COOLING	SEER	WEIGHT (kg)	ELECTRICAL	COMMENTS
CH 01.01	ROOF EXTERNAL AREA	AIR COOLED CHILLER UNIT	TRANE	CXAF 046 SE LN	119.52/ 123.75kW	7.0/35°	4.80/ 4.90 l/s	4.28	1072	400v/50Hz/3Ph (MAX RUNNING = 102A)	1. CHILLER UNIT C/W INTEGRAL PUMP 2. CHILLER UNIT C/W LOW NOISE PACKS
CH 01.02	ROOF EXTERNAL AREA	AIR COOLED CHILLER UNIT	TRANE	CXAF 046 SE LN	119.52/ 123.75kW	7.0/35°	4.80/ 4.90 l/s	4.28	1072	400v/50Hz/3Ph (MAX RUNNING = 102A)	1. CHILLER UNIT C/W INTEGRAL PUMP 2. CHILLER UNIT C/W LOW NOISE PACKS

ALL CHILLER UNITS REFERENCED ABOVE ARE AS MANUFACTURED BY TRANE Tel: 07802536155 (PHIL ADDY)

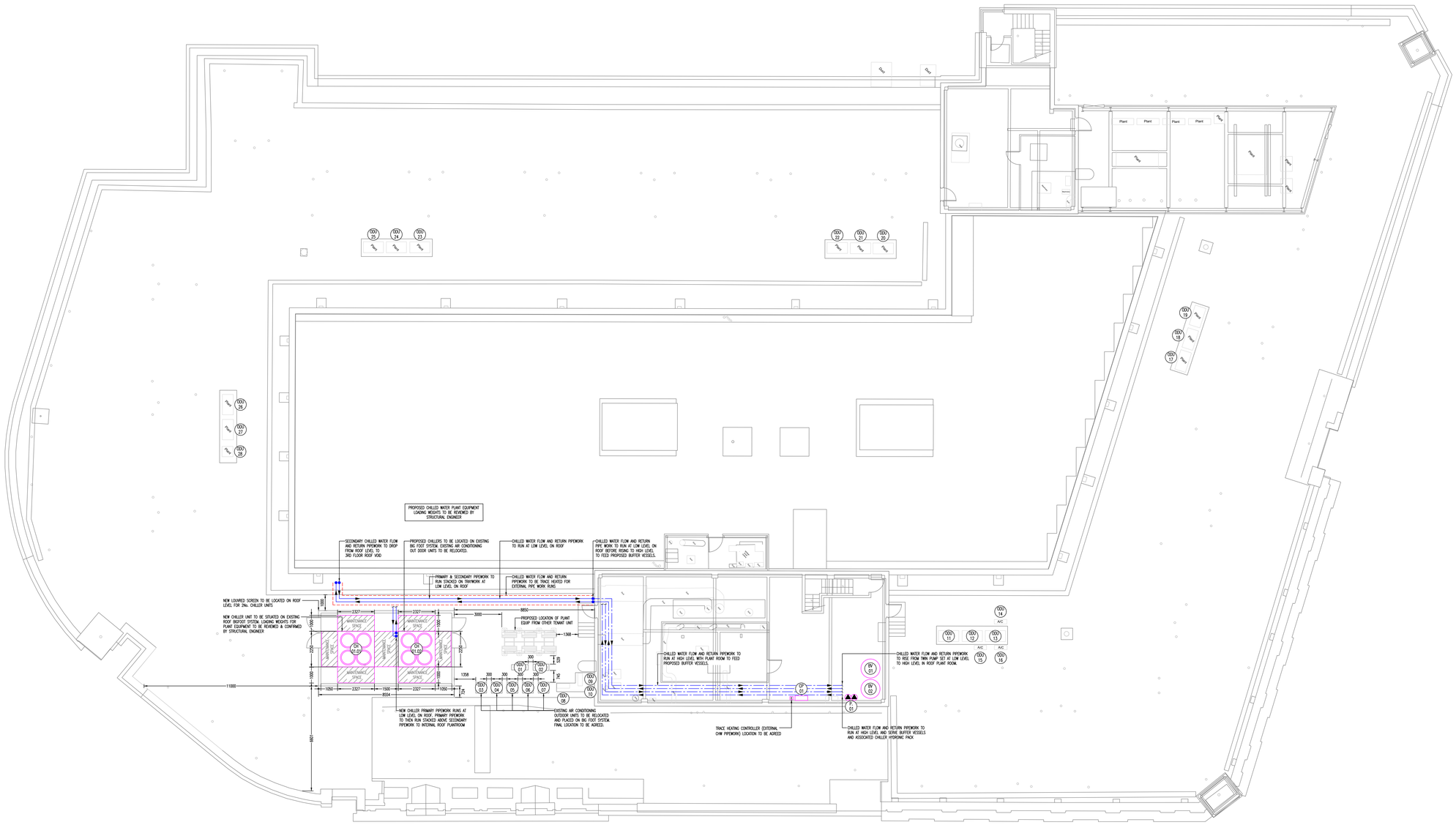
PUMP SCHEDULE

REFERENCE	LOCATION	MANUFACTURER	MODEL REF	SERVICE DESCRIPTION	PUMP DESCRIPTION	VOLUME (l/s)	DUTY (kPa)	ELECTRICAL SUPPLY	COMMENTS
P. 01	ROOF PLANT ROOM	GRUNDFOS	–	CHW RETURN PUMP	TWIN PUMP	–	–	–	–

ALL PUMPS REFERENCED ABOVE ARE AS MANUFACTURED BY GRUNDFOS Tel: 01525850000

EXISTING CONDENSER SCHEDULE

UNIT REF	LOCATION	MANUFACTURER	MODEL REF	WEIGHT (kg)	NO. OF UNITS	Comments
ODU 01	ROOF LEVEL	DAIKIN	UNKNOWN (COULD NOT ASCERTAIN)	ASSUMED 250kg	1	TO BE RETAINED & RELOCATED
ODU 02	ROOF LEVEL	DAIKIN	UNKNOWN (COULD NOT ASCERTAIN)	ASSUMED 250kg	1	TO BE RETAINED & RELOCATED
ODU 03	ROOF LEVEL	VES ANDOVER	HS40-048-1-M-INT	249kg	1	TO BE RETAINED & RELOCATED
ODU 04	ROOF LEVEL	VES ANDOVER	HS40-048-1-M-INT	249kg	1	TO BE RETAINED & RELOCATED
ODU 05	ROOF LEVEL	VES ANDOVER	HS40-048-1-M-INT	249kg	1	TO BE RETAINED & RELOCATED
ODU 06	ROOF LEVEL	MITSUBISHI	PUHZ-RP125YKA	126kg	1	TO BE RETAINED & RELOCATED
ODU 07	ROOF LEVEL	HZH ZENITH	UNKNOWN (COULD NOT ASCERTAIN)	60kg	1	TO BE RETAINED & RELOCATED
ODU 08	ROOF LEVEL	MITSUBISHI	PUZ-ZM35VKA2	46kg	1	TO BE RETAINED
ODU 09	ROOF LEVEL	MITSUBISHI	PUHZ-RP35VHA4	42kg	1	TO BE RETAINED
ODU 10	ROOF LEVEL	MITSUBISHI	PUHZ-RP35VHA4	42kg	1	TO BE RETAINED
ODU 11-13	ROOF LEVEL	DAIKIN	UNKNOWN (COULD NOT ASCERTAIN)	ASSUMED 350kg	3	TO BE REMOVED
ODU 14-16	ROOF LEVEL	MITSUBISHI	UNKNOWN (COULD NOT ASCERTAIN)	ASSUMED 42kg	3	TO BE REMOVED
ODU 17-28	ROOF LEVEL	DAIKIN	UNKNOWN (COULD NOT ASCERTAIN)	ASSUMED 350kg	12	TO BE REMOVED



ROOF LEVEL Scale 1:100
CHILLED WATER LAYOUT

Scale 1:100 [m]
0 1 2 3 4 5 6 7 8 9 10

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NOTES
1. –

CHILLED WATER
- SHOW SHALL BE NO HOT WORKS UNLESS BY PRIOR AGREEMENT
- CONDENSATE LINES FROM FAN COIL UNITS TO BE INSTALLED AT A GRADIENT OF 1:150.
- ALL REFRIGERATION PIPEWORK TO BE RUN ON CABLE TRAY OR BASKET TRAY AND FULLY SUPPORTED ALONG ITS ENTIRE LENGTH
- REFRIGERANT PIPEWORK ROUTES ARE INDICATED FOR COORDINATING PURPOSES. AC INSTALLER TO CONFIRM EXACT SIZE AND ROUTING OF REFRIGERANT PIPEWORK
- ALL BRANCH CONTROLLER BOXES WILL BE PROVIDED WITH PORTICOUPLON VALVES
- ALL PIPEWORK WILL BE ADEQUATELY SUPPORTED AS MANUFACTURERS RECOMMENDATIONS
- ALL PIPEWORK WILL BE SUPPORTED USING NON COMBUSTIBLE FIXINGS IN ALL CASES
- ALL PIPEWORK TO BE THERMALLY INSULATED AND VAPOUR SEALED IN LINE WITH THE SPECIFICATION AND SHALL BE CLASS O RATED.
- ALL FAN COIL UNITS / BRANCH BOXES / CONTROLLERS TO BE SUPPORTED ON EXTERNAL ANTI VIBRATION MOUNTS WITH ACOUSTIC FLEX DUCT CONNECTIONS.
- UNLESS OTHERWISE DETAILED ALL EXTERNAL CONDENSERS WILL BE MOUNTED ON BIG FOOT SYSTEM
- ALL FIRE STOPPING BY MAIN CONTRACTOR
- WHERE REFRIGERANT PIPES ARE PASSING THROUGH A FIRE WALL IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT PIPEWORK IS INSTALLED IN SUCH A WAY THAT FIRE PROTECTION MEASURES CAN BE INSTALLED TO ENSURE THE CORRECT RATING OF THE STRUCTURE IS MAINTAINED
- INSTALLATION TO COMPLY FULLY WITH CURRENT BUILDING REGULATIONS, BRITISH STANDARDS & IET REGULATIONS

LEGEND:-
- PIPEWORK IN FLOOR VOID/SCREED
- PIPEWORK AT LOW LEVEL
- PIPEWORK AT HIGH LEVEL
- PIPEWORK WITHIN CEILING VOID

THIS DRAWING IS PRODUCED IN ACCORDANCE WITH ARCHITECTS/MAIN CONTRACTORS DRAWING REFERENCE
9327_ROOF_R0

REV	DESCRIPTION	DRN	CHK	DATE
T3	UPDATED TO SUIT PLANNING COMMENTS	SF	MT	09.03.26
T2	TENDER ISSUE	SF	MT	04.10.24
T1	TENDER ISSUE	JW	MT	18.06.24

TENDER

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Project Number: C8768
Project Name: PI Manchester CC (Portland St) Manchester

Drawing Title
Roof Level
Chilled Water System Layout

Engineer: SF | Checked by: MT | Drawn By: JW
Date: 18.06.24 | Scale: 1:100 | Size: A1

Drawing Number
Project - Originator - Volume - Level - Type - Role - Number - Revision
C8768 - TLP - 00 - RL - DR - M - 504 - T3