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Notes :

Owner :

RHB
RHB Trustees Berhad
RHB TRUSTEES BERHAD (573019-U)
(As Trustee for Axis Real Estate Investment Trust)
TINGKAT 11, TOWER ONE,
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MECHANICAL & ELECTRICAL CONSULTING ENGINEERS
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Tel: 04-6294488 Fax: 04-6292285
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Architect:

KOOI KEAT ARCHITECT
no.19, taman bukit dumbur, 11600 penang, malaysia.
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Main Contractor :

AME
CONSTRUCTION
AME CONSTRUCTION SDN BHD
NO. 18, JALAN ANGKASA MAS 6
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81100 JOHOR BAHRU, JOHOR
TEL: 07-3555111 FAX: 07-3541648
EMAIL: info@ameconstruction.com.my
WEBSITE: www.ameconstruction.com.my

Air-Conditioning Contractor :

HVAR engineering services sdn. bhd.
No.5A & 5B, Jalan Sepadu A25/A,
Taman Perindustrian Axis, Seksyen
25, 40400 Shah Alam, Selangor.
Tel :- 03-51248218 Fax :- 03-51248219/20
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hvar1979@gmail.com

Project Name :

**CADANGAN PEMBANGUNAN KILANG
PENGLUARAN KOMPONEN KAPAL TERBANG 1
TINGKAT DAN PEJABAT 3 TINGKAT DI ATAS
SEBAHAGIAN LOT 1210, SEKSYEN U3, 40150
MUKIM DAMANSARA, DAERAH PETALING,
SELANGOR DARUL EHSAN.
UNTUK TIJUAN :
RHB TRUSTEES BERHAD
(As Trustee for Axis Real Estate Investment Trust)**

Subject :

CHILLED WATER PIPING SCHEMATIC
(OFFICE BLOCK)

Checked By : Charlie

Designed By : Ain

Drawn By : Pija

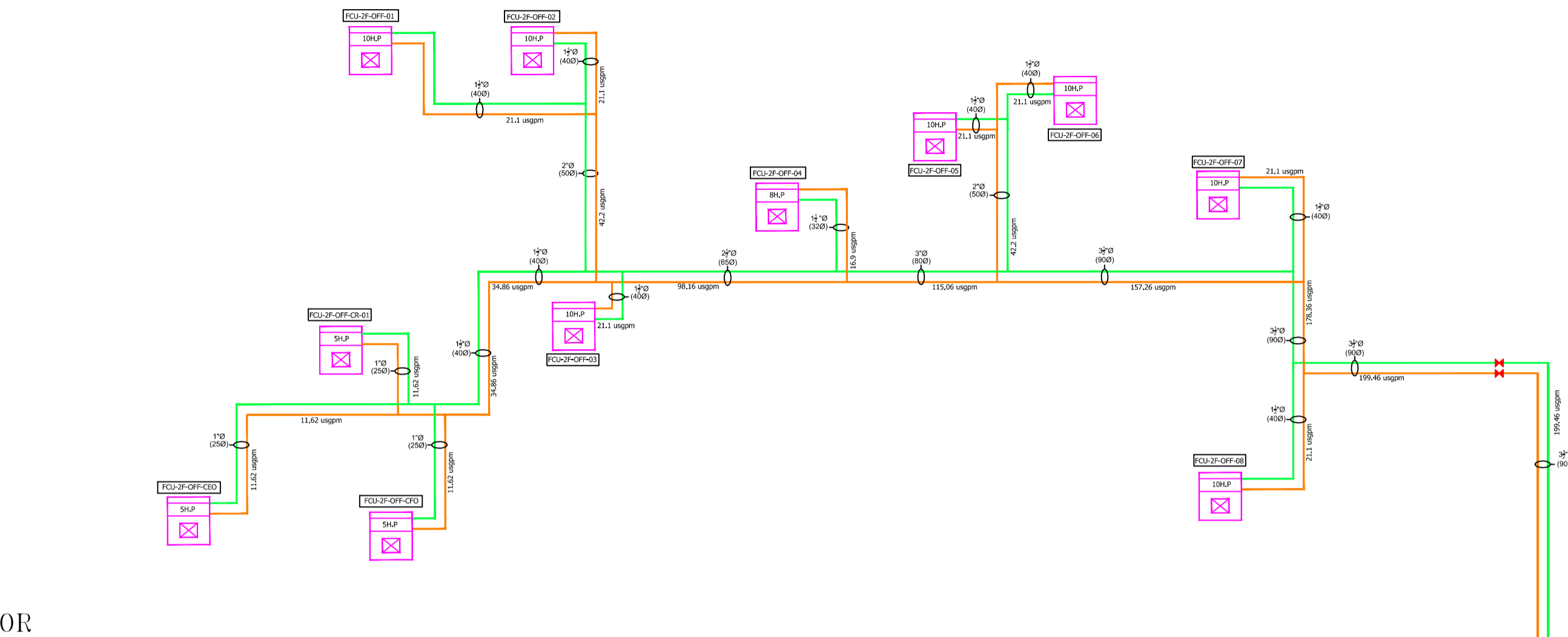
Date : 02/01/19 Job Ref : 034-2018-AXIS-SA

Scale : N.T.S.

Drawing No : HES/AXIS/SA/034/03/18-SCM-0B (ABD)

ITEM NO.	AREA/SPACE DESCRIPTION	FCU TAG NO	AC QTY	AC NOMINAL PERFORMANCE PER UNIT			PPE SIZE (Ø)		ELECTRICAL LOAD (KW/PHASE)
				AIR FLOW RATE (CFM)	COOLING CAPACITY (BTU/HR)	CHW FLOW RATE (USGPM)	INCH	MM	
DAY DUTY									
GROUND FLOOR									
1	Training Room	FCU-GF-OFF-TR	1	3,200	95,000	21.1	1.12"	400	1,800 (1Ø)
2	Corridor	FCU-GF-OFF-COR-01	1	3,200	95,000	21.1	1.12"	400	1,800 (1Ø)
3	Reception Lobby 1 Waiting Area	FCU-GF-OFF-RL-01	1	2,500	75,600	16.9	1.14"	320	0,760 (1Ø)
4	Meeting Room (6 Pax)	FCU-GF-OFF-MR-01	1	300	9,900	2.2	3/4"	200	0,089 (1Ø)
5	Meeting Room (6 Pax)	FCU-GF-OFF-MR-02	1	300	9,900	2.2	3/4"	200	0,089 (1Ø)
6	Meeting Room (4 Pax)	FCU-GF-OFF-CA-03	1	300	9,900	2.2	3/4"	200	0,089 (1Ø)
7	Document Room	FCU-GF-OFF-DR	1	510	11,600	2.6	3/4"	200	0,140 (1Ø)
8	Canteen	FCU-GF-OFF-CA-01	1	2,500	75,600	16.9	1.14"	320	0,760 (1Ø)
9		FCU-GF-OFF-CA-02	1	3,200	95,000	21.1	1.12"	400	1,800 (1Ø)
10		FCU-GF-OFF-CA-03	1	3,200	95,000	21.1	1.12"	400	1,800 (1Ø)
11		FCU-GF-OFF-CA-04	1	2,500	75,600	16.9	1.14"	320	0,760 (1Ø)
12		FCU-GF-OFF-CA-05	1	3,200	95,000	21.1	1.12"	400	1,800 (1Ø)
13	FCU-GF-OFF-CA-06	1	3,200	95,000	21.1	1.12"	400	1,800 (1Ø)	
14	Staff Entry From MP & Car Park	FCU-GF-OFF-CRR-02	1	3,200	95,000	21.1	1.12"	400	1,800 (1Ø)
15	Female Musalla	FCU-GF-OFF-FM	1	730	22,500	5.1	3/4"	200	0,182 (1Ø)
16	Male Musalla	FCU-GF-OFF-MM-01	1	1,550	51,800	11.6	1"	250	0,531 (1Ø)
17	Male Locker	FCU-GF-OFF-ML-01	1	300	9,900	2.2	3/4"	200	0,089 (1Ø)
TOTAL @ TUHR				1,017,300		226.48			17.13 KW/1Ø
FIRST FLOOR									
1	Corridor	FCU-1F-OFF-COR-01	1	3,200	95,000	21.1	1.12"	400	1,800 (1Ø)
2	Conference Room (20 Pax)	FCU-1F-OFF-CR-01	1	1,340	44,700	10.04	1"	250	0,427 (1Ø)
3	Customer Office	FCU-1F-OFF-CO-01	1	300	9,900	2.2	3/4"	200	0,089 (1Ø)
4	Customer Office	FCU-1F-OFF-CO-02	1	300	9,900	2.2	3/4"	200	0,089 (1Ø)
5	Workstation (102 Pax)	FCU-1F-OFF-01	1	3,200	95,000	21.1	1.12"	400	1,800 (1Ø)
6		FCU-1F-OFF-02	1	3,200	95,000	21.1	1.12"	400	1,800 (1Ø)
7		FCU-1F-OFF-03	1	3,200	95,000	21.1	1.12"	400	1,800 (1Ø)
8		FCU-1F-OFF-04	1	3,200	95,000	21.1	1.12"	400	1,800 (1Ø)
9		FCU-1F-OFF-05	1	3,200	95,000	21.1	1.12"	400	1,800 (1Ø)
10		FCU-1F-OFF-06	1	1,650	51,800	11.6	1"	250	0,531 (1Ø)
TOTAL @ TUHR				986,300		192.96			11.94 KW/1Ø
SECOND FLOOR									
1	Conference Room	FCU-2F-OFF-CR-01	1	1,550	51,800	11.62	1"	250	0,531 (1Ø)
2	CEO Room	FCU-2F-OFF-CEO	1	1,550	51,800	11.62	1"	250	0,531 (1Ø)
3	CFO Room	FCU-2F-OFF-CFO	1	1,550	51,800	11.62	1"	250	0,531 (1Ø)
4	Workstation (60 Pax)	FCU-2F-OFF-01	1	3,200	95,000	21.1	1.12"	400	1,800 (1Ø)
5		FCU-2F-OFF-02	1	3,200	95,000	21.1	1.12"	400	1,800 (1Ø)
6		FCU-2F-OFF-03	1	3,200	95,000	21.1	1.12"	400	1,800 (1Ø)
7		FCU-2F-OFF-04	1	2,500	75,600	16.9	1.14"	320	0,760 (1Ø)
8		FCU-2F-OFF-05	1	3,200	95,000	21.1	1.12"	400	1,800 (1Ø)
9		FCU-2F-OFF-06	1	3,200	95,000	21.1	1.12"	400	1,800 (1Ø)
10		FCU-2F-OFF-07	1	3,200	95,000	21.1	1.12"	400	1,800 (1Ø)
11		FCU-2F-OFF-08	1	3,200	95,000	21.1	1.12"	400	1,800 (1Ø)
TOTAL @ TUHR				896,000		199.46			14.95 KW/1Ø
NIGHT DUTY									
1	Canteen	FCU-GFOFF-CA-01 (ND)	1	2,500	75,600	16.9	1.14"	320	0,760 (1Ø)
2		FCU-GFOFF-CA-02 (ND)	1	3,200	95,000	21.1	1.12"	400	1,800 (1Ø)
3		FCU-GFOFF-CA-03 (ND)	1	3,200	95,000	21.1	1.12"	400	1,800 (1Ø)
4		FCU-GFOFF-CA-04 (ND)	1	2,500	75,600	16.9	1.14"	320	0,760 (1Ø)
5		FCU-GFOFF-CA-05 (ND)	1	3,200	95,000	21.1	1.12"	400	1,800 (1Ø)
6		FCU-GFOFF-CA-06 (ND)	1	3,200	95,000	21.1	1.12"	400	1,800 (1Ø)
TOTAL @ TUHR				631,200		118.20			9.76 KW/1Ø

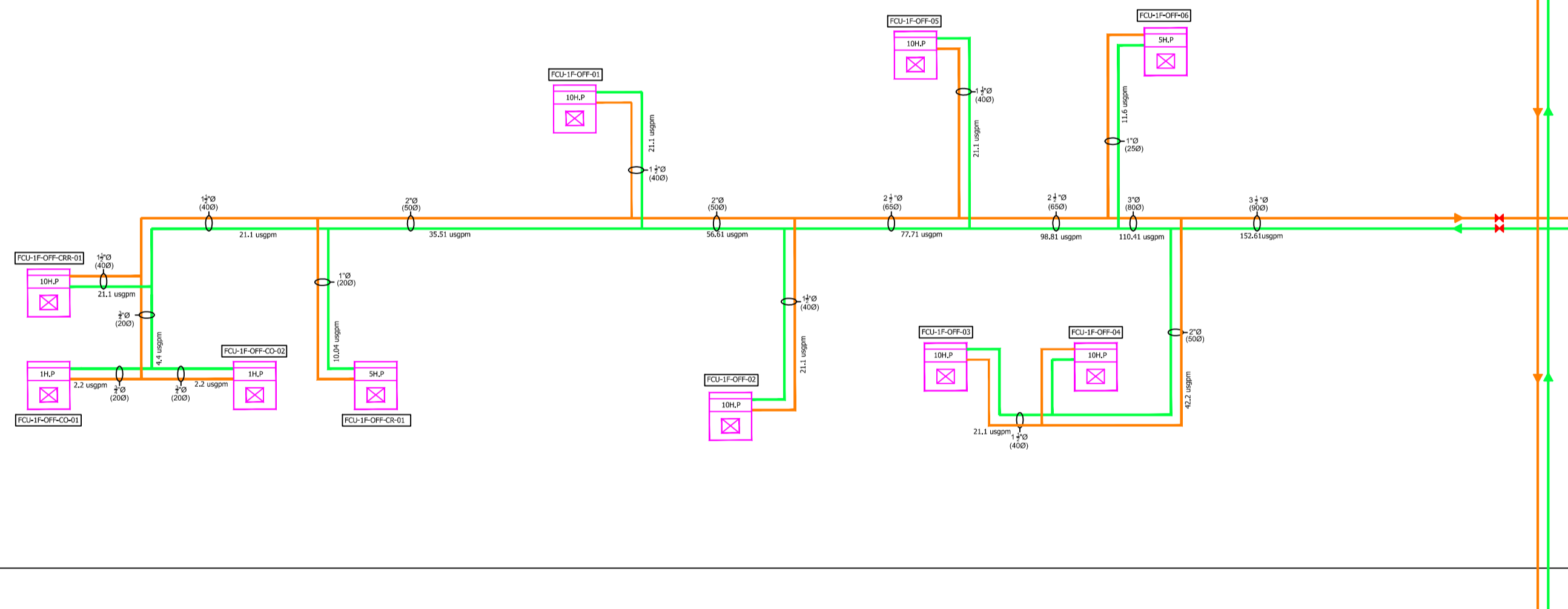
SECOND FLOOR



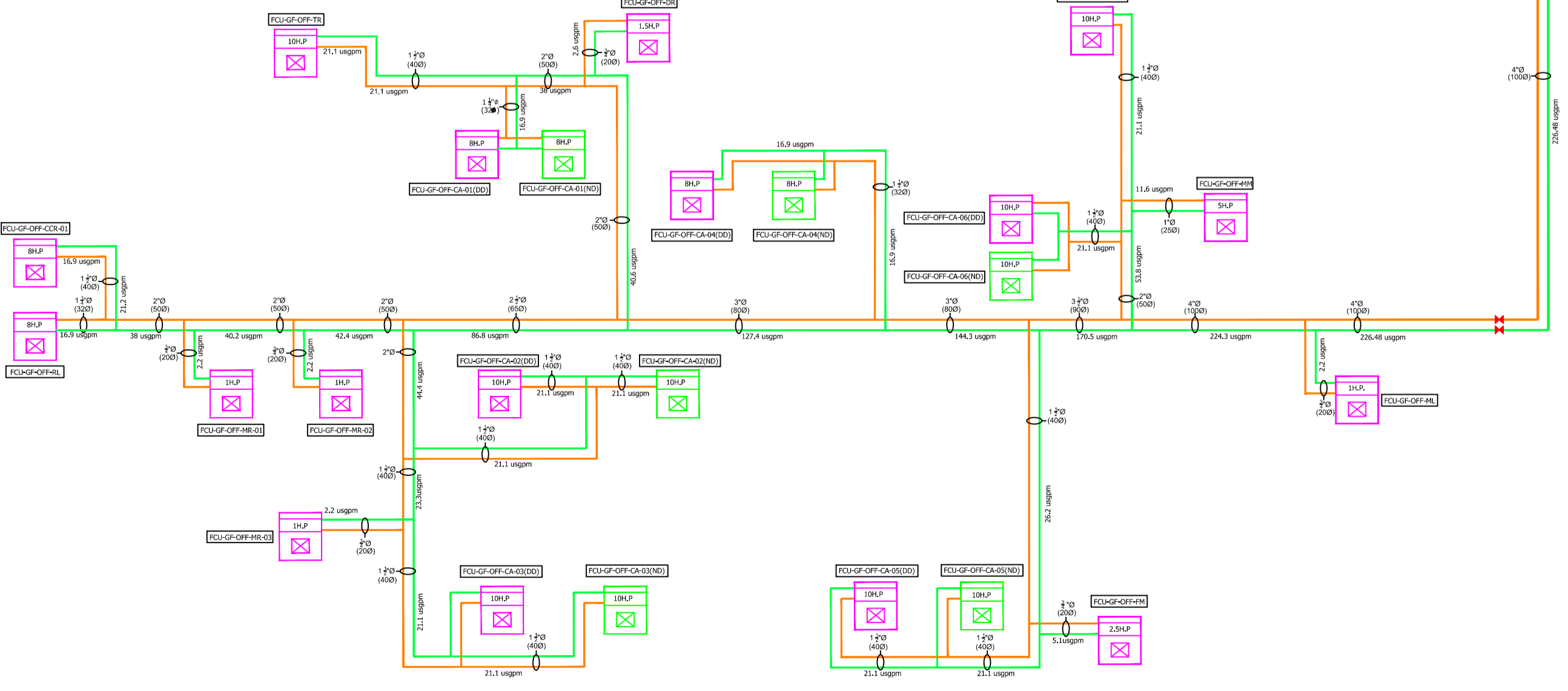
From Manufacturing Area

To Chiller System

FIRST FLOOR



GROUND FLOOR



CHILLED WATER PIPING SCHEMATIC ~ OFFICE BLOCK
PIPE SIZE - INCH (MM)

AS-BUILT DRAWING