

AIR BALANCING REPORT

BAIT-UL-SUKOON CANCER HOSPITAL.

PLOT NO. S.N.P.A. 17-J, BLOCK -3, K.C.H.S. UNION, KARACHI.

AUG, 2021

HVAC CONTRACTOR: PIONEER ENGINEERING.

TAB CONTRACTOR: FLOWTAB.

REPORT NO. FT/ BULS/2021

FAN COIL UNIT # UG - 01
(UPPER GROUND FLOOR)
(DAY CARE)

PROJECT: BAIT-UL-SUKOON CANCER HOSPITAL.	REF: FT/ BULS/2021
HVAC CONTRACTOR: PIONEER ENGINEERING.	SHEET: 1 OF 2
TESTING AND BALANCING.	DATE: 21/08/2021
AIR APPARATUS TEST REPORT FOR FAN COIL UNIT No # UG - 01	AREA SERVED: DAY CARE.

UNIT SPECIFICATION		
MAKE / MODEL	DAIKOOL / FD - 08	
TYPE	SINGLE ZONE	
SERIAL NUMBER	----	
UNIT DISCHARGE	FRONT	
NO. OF PRE-FILTER	G-04 PRE FILTER'S	
DATA	DESIGN	ACTUAL
SUPPLY AIR VOLUME (CFM)	2400	2413
RETURN AIR VOLUME (CFM)	2080	2051
FRESH AIR VOLUME (CFM)	320	362
MOTOR SPECIFICATION		
DATA	DESIGN	ACTUAL
MOTOR KW	1.5	1.5
MOTOR AMPS	3.6	2.4
MOTOR VOLTAGE	400	400
MOTOR HZ	50.0	50.0
MOTOR DRIVE DATA		
MOTER TYPE	BELT DRIVE.	
NO. OF BELT & SIZE		
FAN PULLY		
MOTER PULLY		

CLIENT:	HVAC CONTRACTOR:	TAB CONTRACTOR:
BAIT-UL-SUKOON CANCER HOSPITAL.	PIONEER ENGINEERING.	FLOWTAB.
NAME:		ABDAL / SAMAD
DATE:		21/08/2021
SIGNATURE:		
REMARKS:		

PROJECT: BAIT-UL-SUKOON CANCER HOSPITAL.	REF: FT/ BULS/2021
HVAC CONTRACTOR: PIONEER ENGINEERING.	SHEET: 2 OF 2
TESTING AND BALANCING.	DATE: 21/08/2021
SUPPLY AIR TERMINAL TEST REPORT FOR FAN COIL UNIT No # UG - 01	AREA SERVED: DAY CARE.

S.No.	ROOM NAME	OUTLET	DESIGN CFM	ACTUAL/ BALANCE CFM	REMARKS
		TYPE / SIZE			
01.	DAY CARE	SUPPLY AIR DIFFUSER / 15" X 15"	569	532	
02.		SUPPLY AIR DIFFUSER / 15" X 15"	569	566	
03.		SUPPLY AIR DIFFUSER / 15" X 15"	569	581	
04.	PROCEDURE ROOM	SUPPLY AIR DIFFUSER / 12" X 12"	314	346	
05.		SUPPLY AIR DIFFUSER / 12" X 12"	314	322	
06.	STORE	SUPPLY AIR DIFFUSER / 06" X 06"	65	66	
TOTAL CFM			2400	2413	

CLIENT:	HVAC CONTRACTOR:	TAB CONTRACTOR:
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SIGNATURE:		
REMARKS:		

FAN COIL UNIT # FF - 01
(1ST FLOOR)
(WARD - 01)

PROJECT: BAIT-UL-SUKOON CANCER HOSPITAL.	REF: FT/ BULS/2021
HVAC CONTRACTOR: PIONEER ENGINEERING.	SHEET: 1 OF 2
TESTING AND BALANCING.	DATE: 21/08/2021
AIR APPARATUS TEST REPORT FOR FAN COIL UNIT No # FF - 01	AREA SERVED: WARD - 01

UNIT SPECIFICATION		
MAKE / MODEL	DAIKOOL / FD - 07	
TYPE	SINGLE ZONE	
SERIAL NUMBER	----	
UNIT DISCHARGE	FRONT	
NO. OF PRE-FILTER	G-04 PRE FILTER'S	
DATA	DESIGN	ACTUAL
SUPPLY AIR VOLUME (CFM)	1569	1583
RETURN AIR VOLUME (CFM)	1214	1224
FRESH AIR VOLUME (CFM)	355	359
MOTOR SPECIFICATION		
DATA	DESIGN	ACTUAL
MOTOR KW	1.5	1.5
MOTOR AMPS	3.6	2.7
MOTOR VOLTAGE	400	400
MOTOR HZ	50.0	50.0
MOTOR DRIVE DATA		
MOTER TYPE	BELT DRIVE.	
NO. OF BELT & SIZE		
FAN PULLY		
MOTER PULLY		

CLIENT:	HVAC CONTRACTOR:	TAB CONTRACTOR:
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REMARKS:		



PROJECT: BAIT-UL-SUKOON CANCER HOSPITAL.	REF: FT/ BULS/2021
HVAC CONTRACTOR: PIONEER ENGINEERING.	SHEET: 2 OF 2
TESTING AND BALANCING.	DATE: 21/08/2021
SUPPLY AIR TERMINAL TEST REPORT FOR FAN COIL UNIT No # FF - 01	AREA SERVED: WARD - 01

S.No.	ROOM NAME	OUTLET	DESIGN CFM	ACTUAL/ BALANCE CFM	REMARKS
		TYPE / SIZE			
01.	WARD - 01	SUPPLY AIR DIFFUSER / 15" X 15"	523	533	
02.		SUPPLY AIR DIFFUSER / 15" X 15"	523	510	
03.		SUPPLY AIR DIFFUSER / 15" X 15"	523	540	
TOTAL CFM			1569	1583	

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SIGNATURE:			
REMARKS:			

FAN COIL UNIT # FF - 02
(1ST FLOOR)
(WARD - 02)

PROJECT: BAIT-UL-SUKOON CANCER HOSPITAL.	REF: FT/ BULS/2021
HVAC CONTRACTOR: PIONEER ENGINEERING.	SHEET: 1 OF 2
TESTING AND BALANCING.	DATE: 21/08/2021
AIR APPARATUS TEST REPORT FOR FAN COIL UNIT No # FF - 02	AREA SERVED: WARD - 02

UNIT SPECIFICATION		
MAKE / MODEL	DAIKOOL / FD - 04	
TYPE	SINGLE ZONE	
SERIAL NUMBER	----	
UNIT DISCHARGE	FRONT	
NO. OF PRE-FILTER	G-04 PRE FILTER'S	
DATA	DESIGN	ACTUAL
SUPPLY AIR VOLUME (CFM)	1000	1002
RETURN AIR VOLUME (CFM)	688	690
FRESH AIR VOLUME (CFM)	312	312
MOTOR SPECIFICATION		
DATA	DESIGN	ACTUAL
MOTOR KW	0.75	0.75
MOTOR AMPS	1.9	1.5
MOTOR VOLTAGE	400	400
MOTOR HZ	50.0	50.0
MOTOR DRIVE DATA		
MOTER TYPE	BELT DRIVE.	
NO. OF BELT & SIZE		
FAN PULLY		
MOTER PULLY		

CLIENT:	HVAC CONTRACTOR:	TAB CONTRACTOR:
BAIT-UL-SUKOON CANCER HOSPITAL.	PIONEER ENGINEERING.	FLOWTAB.
NAME:		ABDAL / SAMAD
DATE:		21/08/2021
SIGNATURE:		
REMARKS:		



PROJECT: BAIT-UL-SUKOON CANCER HOSPITAL.	REF: FT/ BULS/2021
HVAC CONTRACTOR: PIONEER ENGINEERING.	SHEET: 2 OF 2
TESTING AND BALANCING.	DATE: 21/08/2021
SUPPLY AIR TERMINAL TEST REPORT FOR FAN COIL UNIT No # FF - 02	AREA SERVED: WARD - 02

S.No.	ROOM NAME	OUTLET	DESIGN CFM	ACTUAL/ BALANCE CFM	REMARKS
		TYPE / SIZE			

01.	WARD - 02	SUPPLY AIR DIFFUSER / 12" X 12"	500	496	
02.		SUPPLY AIR DIFFUSER / 12" X 12"	500	506	

TOTAL CFM		1000	1002

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SIGNATURE:			
REMARKS:			

FAN COIL UNIT # FF - 03
(1ST FLOOR)
(WARD - 03)

PROJECT: BAIT-UL-SUKOON CANCER HOSPITAL.	REF: FT/ BULS/2021
HVAC CONTRACTOR: PIONEER ENGINEERING.	SHEET: 1 OF 2
TESTING AND BALANCING.	DATE: 21/08/2021
AIR APPARATUS TEST REPORT FOR FAN COIL UNIT No # FF - 03	AREA SERVED: WARD - 03

UNIT SPECIFICATION		
MAKE / MODEL	DAIKOOL / FD - 03	
TYPE	SINGLE ZONE	
SERIAL NUMBER	----	
UNIT DISCHARGE	FRONT	
NO. OF PRE-FILTER	G-04 PRE FILTER'S	
DATA	DESIGN	ACTUAL
SUPPLY AIR VOLUME (CFM)	660	677
RETURN AIR VOLUME (CFM)	490	480
FRESH AIR VOLUME (CFM)	170	197
MOTOR SPECIFICATION		
DATA	DESIGN	ACTUAL
MOTOR KW	N.P	N.P
MOTOR AMPS	N.P	1.5
MOTOR VOLTAGE	400	400
MOTOR HZ	50.0	50.0
MOTOR DRIVE DATA		
MOTER TYPE	BELT DRIVE.	
NO. OF BELT & SIZE		
FAN PULLY		
MOTER PULLY		

CLIENT:	HVAC CONTRACTOR:	TAB CONTRACTOR:
BAIT-UL-SUKOON CANCER HOSPITAL.	PIONEER ENGINEERING.	FLOWTAB.
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DATE:		21/08/2021
SIGNATURE:		
REMARKS:	N.P = NOT POSSIBLE.	



PROJECT: BAIT-UL-SUKOON CANCER HOSPITAL.	REF: FT/ BULS/2021
HVAC CONTRACTOR: PIONEER ENGINEERING.	SHEET: 2 OF 2
TESTING AND BALANCING.	DATE: 21/08/2021
SUPPLY AIR TERMINAL TEST REPORT FOR FAN COIL UNIT No # FF - 03	AREA SERVED: WARD - 03

S.No.	ROOM NAME	OUTLET	DESIGN CFM	ACTUAL/ BALANCE CFM	REMARKS
		TYPE / SIZE			
01.	WARD - 03	SUPPLY AIR DIFFUSER / 12" X 12"	330	317	
02.		SUPPLY AIR DIFFUSER / 12" X 12"	330	360	

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CLIENT:		HVAC CONTRACTOR:	TAB CONTRACTOR:
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DATE:			21/08/2021
SIGNATURE:			
REMARKS:			

FAN COIL UNIT # FF - 04
(1ST FLOOR)
(WARD - 04)

PROJECT: BAIT-UL-SUKOON CANCER HOSPITAL.	REF: FT/ BULS/2021
HVAC CONTRACTOR: PIONEER ENGINEERING.	SHEET: 1 OF 2
TESTING AND BALANCING.	DATE: 21/08/2021
AIR APPARATUS TEST REPORT FOR FAN COIL UNIT No # FF - 04	AREA SERVED: WARD - 04

UNIT SPECIFICATION		
MAKE / MODEL	DAIKOOL / FD - 03	
TYPE	SINGLE ZONE	
SERIAL NUMBER	----	
UNIT DISCHARGE	FRONT	
NO. OF PRE-FILTER	G-04 PRE FILTER'S	
DATA	DESIGN	ACTUAL
SUPPLY AIR VOLUME (CFM)	550	584
RETURN AIR VOLUME (CFM)	427	438
FRESH AIR VOLUME (CFM)	123	146
MOTOR SPECIFICATION		
DATA	DESIGN	ACTUAL
MOTOR KW	N.P	N.P
MOTOR AMPS	N.P	1.2
MOTOR VOLTAGE	400	400
MOTOR HZ	50.0	50.0
MOTOR DRIVE DATA		
MOTER TYPE	BELT DRIVE.	
NO. OF BELT & SIZE		
FAN PULLY		
MOTER PULLY		

CLIENT:	HVAC CONTRACTOR:	TAB CONTRACTOR:
BAIT-UL-SUKOON CANCER HOSPITAL.	PIONEER ENGINEERING.	FLOWTAB.
NAME:		ABDAL / SAMAD
DATE:		21/08/2021
SIGNATURE:		
REMARKS:	N.P = NOT POSSIBLE.	

PROJECT: BAIT-UL-SUKOON CANCER HOSPITAL.	REF: FT/ BULS/2021
HVAC CONTRACTOR: PIONEER ENGINEERING.	SHEET: 2 OF 2
TESTING AND BALANCING.	DATE: 21/08/2021
SUPPLY AIR TERMINAL TEST REPORT FOR FAN COIL UNIT No # FF - 04	AREA SERVED: WARD - 04

S.No.	ROOM NAME	OUTLET	DESIGN CFM	ACTUAL/ BALANCE CFM	REMARKS
		TYPE / SIZE			
01.	WARD - 04	SUPPLY AIR DIFFUSER / 09" X 09"	259	270	
02.		SUPPLY AIR DIFFUSER / 09" X 09"	259	264	
03.	NURSING STATION	SUPPLY AIR DIFFUSER / 06" X 06"	32	50	
TOTAL CFM			550	584	

CLIENT:	HVAC CONTRACTOR:	TAB CONTRACTOR:
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SIGNATURE:		
REMARKS:		

FAN COIL UNIT # SF - 01
(2ND FLOOR)
(WARD - 01)

PROJECT: BAIT-UL-SUKOON CANCER HOSPITAL.	REF: FT/ BULS/2021
HVAC CONTRACTOR: PIONEER ENGINEERING.	SHEET: 1 OF 2
TESTING AND BALANCING.	DATE: 21/08/2021
AIR APPARATUS TEST REPORT FOR FAN COIL UNIT No # SF - 01	AREA SERVED: WARD - 01

UNIT SPECIFICATION		
MAKE / MODEL	DAIKOOL / FD - 07	
TYPE	SINGLE ZONE	
SERIAL NUMBER	----	
UNIT DISCHARGE	FRONT	
NO. OF PRE-FILTER	G-04 PRE FILTER'S	
DATA	DESIGN	ACTUAL
SUPPLY AIR VOLUME (CFM)	1854	1864
RETURN AIR VOLUME (CFM)	1499	1514
FRESH AIR VOLUME (CFM)	355	350
MOTOR SPECIFICATION		
DATA	DESIGN	ACTUAL
MOTOR KW	1.5	1.5
MOTOR AMPS	3.6	2.3
MOTOR VOLTAGE	400	400
MOTOR HZ	50.0	50.0
MOTOR DRIVE DATA		
MOTER TYPE	BELT DRIVE.	
NO. OF BELT & SIZE		
FAN PULLY		
MOTER PULLY		

CLIENT:	HVAC CONTRACTOR:	TAB CONTRACTOR:
BAIT-UL-SUKOON CANCER HOSPITAL.	PIONEER ENGINEERING.	FLOWTAB.
NAME:		ABDAL / SAMAD
DATE:		21/08/2021
SIGNATURE:		
REMARKS:		

CLIENT:		HVAC CONTRACTOR:	TAB CONTRACTOR:
BAIT-UL-SUKOON CANCER HOSPITAL.		PIONEER ENGINEERING.	FLOWTAB.
NAME:			ABDAL / SAMAD
DATE:			21/08/2021
SIGNATURE:			
REMARKS:			

FAN COIL UNIT # SF - 02
(2ND FLOOR)
(WARD - 02)

PROJECT: BAIT-UL-SUKOON CANCER HOSPITAL.	REF: FT/ BULS/2021
HVAC CONTRACTOR: PIONEER ENGINEERING.	SHEET: 1 OF 2
TESTING AND BALANCING.	DATE: 21/08/2021
AIR APPARATUS TEST REPORT FOR FAN COIL UNIT No # SF - 02	AREA SERVED: WARD - 02

UNIT SPECIFICATION		
MAKE / MODEL	DAIKOOL / FD - 04	
TYPE	SINGLE ZONE	
SERIAL NUMBER	----	
UNIT DISCHARGE	FRONT	
NO. OF PRE-FILTER	G-04 PRE FILTER'S	
DATA	DESIGN	ACTUAL
SUPPLY AIR VOLUME (CFM)	1066	1070
RETURN AIR VOLUME (CFM)	754	750
FRESH AIR VOLUME (CFM)	312	320
MOTOR SPECIFICATION		
DATA	DESIGN	ACTUAL
MOTOR KW	0.75	0.75
MOTOR AMPS	1.9	1.6
MOTOR VOLTAGE	400	400
MOTOR HZ	50.0	50.0
MOTOR DRIVE DATA		
MOTER TYPE	BELT DRIVE.	
NO. OF BELT & SIZE		
FAN PULLY		
MOTER PULLY		

CLIENT:	HVAC CONTRACTOR:	TAB CONTRACTOR:
BAIT-UL-SUKOON CANCER HOSPITAL.	PIONEER ENGINEERING.	FLOWTAB.
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DATE:		21/08/2021
SIGNATURE:		
REMARKS:		



PROJECT: BAIT-UL-SUKOON CANCER HOSPITAL.	REF: FT/ BULS/2021
HVAC CONTRACTOR: PIONEER ENGINEERING.	SHEET: 2 OF 2
TESTING AND BALANCING.	DATE: 21/08/2021
SUPPLY AIR TERMINAL TEST REPORT FOR FAN COIL UNIT No # SF - 02	AREA SERVED: WARD - 02

S.No.	ROOM NAME	OUTLET	DESIGN CFM	ACTUAL/ BALANCE CFM	REMARKS
		TYPE / SIZE			

01.	WARD - 02	SUPPLY AIR DIFFUSER / 15" X 15"	533	520	
02.		SUPPLY AIR DIFFUSER / 15" X 15"	533	550	

TOTAL CFM		1066	1070

CLIENT:		HVAC CONTRACTOR:	TAB CONTRACTOR:
BAIT-UL-SUKOON CANCER HOSPITAL.		PIONEER ENGINEERING.	FLOWTAB.
NAME:			ABDAL / SAMAD
DATE:			21/08/2021
SIGNATURE:			
REMARKS:			

FAN COIL UNIT # SF - 03
(2ND FLOOR)
(WARD - 03)

PROJECT: BAIT-UL-SUKOON CANCER HOSPITAL.	REF: FT/ BULS/2021
HVAC CONTRACTOR: PIONEER ENGINEERING.	SHEET: 1 OF 2
TESTING AND BALANCING.	DATE: 21/08/2021
AIR APPARATUS TEST REPORT FOR FAN COIL UNIT No # SF - 03	AREA SERVED: WARD - 03

UNIT SPECIFICATION		
MAKE / MODEL	DAIKOOL / FD - 04	
TYPE	SINGLE ZONE	
SERIAL NUMBER	----	
UNIT DISCHARGE	FRONT	
NO. OF PRE-FILTER	G-04 PRE FILTER'S	
DATA	DESIGN	ACTUAL
SUPPLY AIR VOLUME (CFM)	774	760
RETURN AIR VOLUME (CFM)	604	600
FRESH AIR VOLUME (CFM)	170	160
MOTOR SPECIFICATION		
DATA	DESIGN	ACTUAL
MOTOR KW	N.P	N.P
MOTOR AMPS	N.P	0.8
MOTOR VOLTAGE	400	400
MOTOR HZ	50.0	50.0
MOTOR DRIVE DATA		
MOTER TYPE	BELT DRIVE.	
NO. OF BELT & SIZE		
FAN PULLY		
MOTER PULLY		

CLIENT:	HVAC CONTRACTOR:	TAB CONTRACTOR:
BAIT-UL-SUKOON CANCER HOSPITAL.	PIONEER ENGINEERING.	FLOWTAB.
NAME:		ABDAL / SAMAD
DATE:		21/08/2021
SIGNATURE:		
REMARKS:	N.P = NOT POSSIBLE.	



PROJECT: BAIT-UL-SUKOON CANCER HOSPITAL.	REF: FT/ BULS/2021
HVAC CONTRACTOR: PIONEER ENGINEERING.	SHEET: 2 OF 2
TESTING AND BALANCING.	DATE: 21/08/2021
SUPPLY AIR TERMINAL TEST REPORT FOR FAN COIL UNIT No # SF - 03	AREA SERVED: WARD - 03

S.No.	ROOM NAME	OUTLET	DESIGN CFM	ACTUAL/ BALANCE CFM	REMARKS
		TYPE / SIZE			

01.	WARD - 03	SUPPLY AIR DIFFUSER / 12" X 12"	387	400	
02.		SUPPLY AIR DIFFUSER / 12" X 12"	387	360	

CLIENT:		HVAC CONTRACTOR:	TAB CONTRACTOR:
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NAME:			ABDAL / SAMAD
DATE:			21/08/2021
SIGNATURE:			
REMARKS:			

FAN COIL UNIT # SF - 04
(2ND FLOOR)
(WARD - 04)

PROJECT: BAIT-UL-SUKOON CANCER HOSPITAL.	REF: FT/ BULS/2021
HVAC CONTRACTOR: PIONEER ENGINEERING.	SHEET: 1 OF 2
TESTING AND BALANCING.	DATE: 21/08/2021
AIR APPARATUS TEST REPORT FOR FAN COIL UNIT No # SF - 04	AREA SERVED: WARD - 04

UNIT SPECIFICATION		
MAKE / MODEL	DAIKOOL / FD - 03	
TYPE	SINGLE ZONE	
SERIAL NUMBER	----	
UNIT DISCHARGE	FRONT	
NO. OF PRE-FILTER	G-04 PRE FILTER'S	
DATA	DESIGN	ACTUAL
SUPPLY AIR VOLUME (CFM)	660	675
RETURN AIR VOLUME (CFM)	490	510
FRESH AIR VOLUME (CFM)	170	165
MOTOR SPECIFICATION		
DATA	DESIGN	ACTUAL
MOTOR KW	0.147	0.147
MOTOR AMPS	4.1	3.2
MOTOR VOLTAGE	220	220
MOTOR HZ	50.0	50.0
MOTOR DRIVE DATA		
MOTER TYPE	BELT DRIVE.	
NO. OF BELT & SIZE		
FAN PULLY		
MOTER PULLY		

CLIENT:	HVAC CONTRACTOR:	TAB CONTRACTOR:
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SIGNATURE:		
REMARKS:		



PROJECT: BAIT-UL-SUKOON CANCER HOSPITAL.	REF: FT/ BULS/2021
HVAC CONTRACTOR: PIONEER ENGINEERING.	SHEET: 2 OF 2
TESTING AND BALANCING.	DATE: 21/08/2021
SUPPLY AIR TERMINAL TEST REPORT FOR FAN COIL UNIT No # SF - 04	AREA SERVED: WARD - 04

S.No.	ROOM NAME	OUTLET	DESIGN CFM	ACTUAL/ BALANCE CFM	REMARKS
		TYPE / SIZE			

01.	WARD - 04	SUPPLY AIR DIFFUSER / 12" X 12"	306	308	
02.		SUPPLY AIR DIFFUSER / 12" X 12"	306	315	
03.	NURSING STATION	SUPPLY AIR DIFFUSER / 06" X 06"	48	52	

TOTAL CFM	660	675	
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CLIENT:		HVAC CONTRACTOR:	TAB CONTRACTOR:
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NAME:			ABDAL / SAMAD
DATE:			21/08/2021
SIGNATURE:			
REMARKS:			

FAN COIL UNIT # TF - 01
(3RD FLOOR)
(PASSAGE)

PROJECT: BAIT-UL-SUKOON CANCER HOSPITAL.	REF: FT/ BULS/2021
HVAC CONTRACTOR: PIONEER ENGINEERING.	SHEET: 1 OF 3
TESTING AND BALANCING.	DATE: 21/08/2021
AIR APPARATUS TEST REPORT FOR FAN COIL UNIT No # TF - 01	AREA SERVED: PASSAGE.

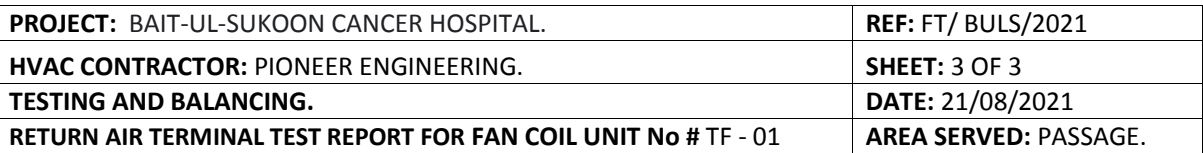
UNIT SPECIFICATION		
MAKE / MODEL	DAIKOOL / FD - 03	
TYPE	SINGLE ZONE	
SERIAL NUMBER	----	
UNIT DISCHARGE	FRONT	
NO. OF PRE-FILTER	G-04 PRE FILTER'S	
DATA	DESIGN	ACTUAL
SUPPLY AIR VOLUME (CFM)	820	840
RETURN AIR VOLUME (CFM)	453	471
FRESH AIR VOLUME (CFM)	367	369
MOTOR SPECIFICATION		
DATA	DESIGN	ACTUAL
MOTOR KW	0.147	0.147
MOTOR AMPS	4.1	3.4
MOTOR VOLTAGE	220	220
MOTOR HZ	50.0	50.0
MOTOR DRIVE DATA		
MOTER TYPE	BELT DRIVE.	
NO. OF BELT & SIZE		
FAN PULLY		
MOTER PULLY		

CLIENT:	HVAC CONTRACTOR:	TAB CONTRACTOR:
BAIT-UL-SUKOON CANCER HOSPITAL.	PIONEER ENGINEERING.	FLOWTAB.
NAME:		ABDAL / SAMAD
DATE:		21/08/2021
SIGNATURE:		
REMARKS:		

PROJECT: BAIT-UL-SUKOON CANCER HOSPITAL.	REF: FT/ BULS/2021
HVAC CONTRACTOR: PIONEER ENGINEERING.	SHEET: 2 OF 3
TESTING AND BALANCING.	DATE: 21/08/2021
SUPPLY AIR TERMINAL TEST REPORT FOR FAN COIL UNIT No # TF - 01	AREA SERVED: PASSAGE.

S.No.	ROOM NAME	OUTLET	DESIGN CFM	ACTUAL/ BALANCE CFM	REMARKS
		TYPE / SIZE			
01.	PASSAGE	SUPPLY AIR DIFFUSER / 12" X 12"	205	193	
02.		SUPPLY AIR DIFFUSER / 12" X 12"	205	215	
03.	SURGEON ROOM	SUPPLY AIR DIFFUSER / 12" X 12"	205	222	
04.	UPS ROOM	SUPPLY AIR DIFFUSER / 12" X 12"	205	210	
TOTAL CFM			820	840	

CLIENT:	HVAC CONTRACTOR:	TAB CONTRACTOR:
BAIT-UL-SUKOON CANCER HOSPITAL.	PIONEER ENGINEERING.	FLOWTAB.
NAME:		ABDAL / SAMAD
DATE:		21/08/2021
SIGNATURE:		
REMARKS:		



01.	PASSAGE	RETURN AIR DIFFUSER / 09" X 09"	151	155	
02.		RETURN AIR DIFFUSER / 09" X 09"	151	164	
03.	SURGEON ROOM	RETURN AIR DIFFUSER / 09" X 09"	151	152	

TOTAL CFM		453	471

CLIENT:		HVAC CONTRACTOR:	TAB CONTRACTOR:
BAIT-UL-SUKOON CANCER HOSPITAL.		PIONEER ENGINEERING.	FLOWTAB.
NAME:			ABDAL / SAMAD
DATE:			21/08/2021
SIGNATURE:			
REMARKS:			

FAN COIL UNIT # TF - 02
(3RD FLOOR)
(OPG FOR DIRTY LINEN)

PROJECT: BAIT-UL-SUKOON CANCER HOSPITAL.	REF: FT/ BULS/2021
HVAC CONTRACTOR: PIONEER ENGINEERING.	SHEET: 1 OF 3
TESTING AND BALANCING.	DATE: 21/08/2021
AIR APPARATUS TEST REPORT FOR FAN COIL UNIT No # TF - 02	AREA SERVED: OPG FOR DIRTY LINEN.

UNIT SPECIFICATION		
MAKE / MODEL	DAIKOOL / FD - 02	
TYPE	SINGLE ZONE	
SERIAL NUMBER	----	
UNIT DISCHARGE	FRONT	
NO. OF PRE-FILTER	G-04 PRE FILTER'S	
DATA	DESIGN	ACTUAL
SUPPLY AIR VOLUME (CFM)	354	377
RETURN AIR VOLUME (CFM)	256	274
FRESH AIR VOLUME (CFM)	98	103
MOTOR SPECIFICATION		
DATA	DESIGN	ACTUAL
MOTOR KW	0.147	0.147
MOTOR AMPS	4.1	3.1
MOTOR VOLTAGE	220	220
MOTOR HZ	50.0	50.0
MOTOR DRIVE DATA		
MOTER TYPE	BELT DRIVE.	
NO. OF BELT & SIZE		
FAN PULLY		
MOTER PULLY		

CLIENT:	HVAC CONTRACTOR:	TAB CONTRACTOR:
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NAME:		ABDAL / SAMAD
DATE:		21/08/2021
SIGNATURE:		
REMARKS:		



PROJECT: BAIT-UL-SUKOON CANCER HOSPITAL.	REF: FT/ BULS/2021
HVAC CONTRACTOR: PIONEER ENGINEERING.	SHEET: 2 OF 3
TESTING AND BALANCING.	DATE: 21/08/2021
SUPPLY TERMINAL TEST REPORT FOR FAN COIL UNIT No # TF - 02	AREA SERVED: OPG FOR DIRTY LINEN.

S.No.	ROOM NAME	OUTLET	DESIGN CFM	ACTUAL/ BALANCE CFM	REMARKS
		TYPE / SIZE			

01.	OPG FOR DIRTY LINEN	TERMINAL HEPA FILTER / 12" X 12"	177	186	
02.		TERMINAL HEPA FILTER / 12" X 12"	177	191	

TOTAL CFM	354	377	
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CLIENT:		HVAC CONTRACTOR:	TAB CONTRACTOR:
BAIT-UL-SUKOON CANCER HOSPITAL.		PIONEER ENGINEERING.	FLOWTAB.
NAME:			ABDAL / SAMAD
DATE:			21/08/2021
SIGNATURE:			
REMARKS:			



PROJECT: BAIT-UL-SUKOON CANCER HOSPITAL.	REF: FT/ BULS/2021
HVAC CONTRACTOR: PIONEER ENGINEERING.	SHEET: 3 OF 3
TESTING AND BALANCING.	DATE: 21/08/2021
RETURN TERMINAL TEST REPORT FOR FAN COIL UNIT No # TF - 02	AREA SERVED: OPG FOR DIRTY LINEN.

S.No.	ROOM NAME	INLET	DESIGN CFM	ACTUAL/ BALANCE CFM	REMARKS
		TYPE / SIZE			

01.	OPG FOR DIRTY LINEN	RETURN AIR DIFFUSER / 09" X 09"	128	134	
02.		RETURN AIR DIFFUSER / 09" X 09"	128	140	

[illegible]

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NAME:			ABDAL / SAMAD
DATE:			21/08/2021
SIGNATURE:			
REMARKS:			

AIR HANDLING UNIT # 01
(3RD FLOOR)
(I.C.U)

PROJECT: BAIT-UL-SUKOON CANCER HOSPITAL.	REF: FT/ BULS/2021
HVAC CONTRACTOR: PIONEER ENGINEERING.	SHEET: 1 OF 3
TESTING AND BALANCING.	DATE: 21/08/2021
AIR APPARATUS TEST REPORT FOR A/C PACKAGE UNIT No # 01	AREA SERVED: I.C.U

UNIT SPECIFICATION		
MAKE / MODEL	DAIKOOL / UAT - 05	
TYPE	SINGLE ZONE	
SERIAL NUMBER	----	
UNIT DISCHARGE	FRONT	
NO. OF PRE-FILTER	G-04 PRE FILTER'S	
DATA	DESIGN	ACTUAL
SUPPLY AIR VOLUME (CFM)	1000	1086
RETURN AIR VOLUME (CFM)	800	867
FRESH AIR VOLUME (CFM)	200	219
MOTOR SPECIFICATION		
DATA	DESIGN	ACTUAL
MOTOR KW	1.5	1.5
MOTOR AMPS	3.25	3.1
MOTOR VOLTAGE	400	400
MOTOR HZ	50.0	50.0
MOTOR DRIVE DATA		
MOTER TYPE	BELT DRIVE.	
NO. OF BELT & SIZE		
FAN PULLY		
MOTER PULLY		

CLIENT:	HVAC CONTRACTOR:	TAB CONTRACTOR:
BAIT-UL-SUKOON CANCER HOSPITAL.	PIONEER ENGINEERING.	FLOWTAB.
NAME:		ABDAL / SAMAD
DATE:		21/08/2021
SIGNATURE:		
REMARKS:		

PROJECT: BAIT-UL-SUKOON CANCER HOSPITAL.	REF: FT/ BULS/2021
HVAC CONTRACTOR: PIONEER ENGINEERING.	SHEET: 2 OF 3
TESTING AND BALANCING.	DATE: 21/08/2021
SUPPLY AIR TERMINAL TEST REPORT FOR A/C PACKAGE UNIT No # 01	AREA SERVED: I.C.U

S.No.	ROOM NAME	OUTLET	DESIGN CFM	ACTUAL/ BALANCE CFM	REMARKS
		TYPE / SIZE			
01.	I.C.U	TERMINAL HEPA FILTER / 12" X 12"	200	220	
02.		TERMINAL HEPA FILTER / 12" X 12"	200	218	
03.		TERMINAL HEPA FILTER / 12" X 12"	200	210	
04.		TERMINAL HEPA FILTER / 12" X 12"	200	216	
05.		TERMINAL HEPA FILTER / 12" X 12"	200	222	
TOTAL CFM			1000	1086	

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DATE:		21/08/2021
SIGNATURE:		
REMARKS:		



PROJECT: BAIT-UL-SUKOON CANCER HOSPITAL.	REF: FT/ BULS/2021
HVAC CONTRACTOR: PIONEER ENGINEERING.	SHEET: 3 OF 3
TESTING AND BALANCING.	DATE: 21/08/2021
RETURN AIR TERMINAL TEST REPORT FOR A/C PACKAGE UNIT No # 01	AREA SERVED: I.C.U

S.No.	ROOM NAME	INLET	DESIGN CFM	ACTUAL/ BALANCE CFM	REMARKS
		TYPE / SIZE			
01.	I.C.U	RETURN AIR DIFFUSER / 09" X 09"	267	290	
02.		RETURN AIR DIFFUSER / 09" X 09"	267	284	
03.		RETURN AIR DIFFUSER / 09" X 09"	266	293	
TOTAL CFM			800	867	

CLIENT:		HVAC CONTRACTOR:	TAB CONTRACTOR:
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