

FKP Architects

ARCHITECT OF RECORD

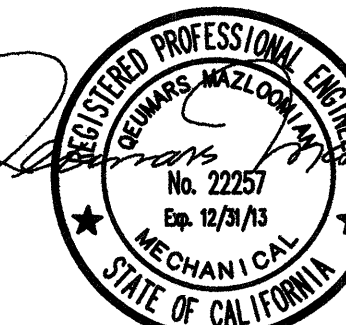
*Architect of Record signature line only; this drawing was not prepared under the direct supervision of the Architect of Record. The direct responsibility for preparation of this sheet lies with its corresponding professional stamp and signature. The signature of the Architect of Record in general responsible for the project is provided as required by Title 24, Part 12, Section 7-115 (a)7.

ARCHITECT - PAUL C. GLORIOD

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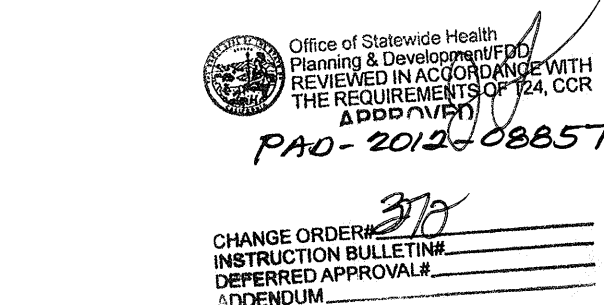


Changes on these drawings do not consist of materially altered changes to approved drawings and don't require a change order.
OSHPD review ACO
OSHPD review FLSO
OSHPD review DSE

REVISIONS

08/04/2010	ASI #11
02/24/2011	CHANGE ORDER #141
09/10/2012	CHANGE ORDER #372

APPROVAL



PROJECT NAME

CHILDREN'S HOSPITAL
OF ORANGE COUNTY
455 S. Main St.
Orange, CA 92668-3874

TOWER II



PROJECT NUMBER

12011.00
Increment #7

OSHPD - PROJECT NUMBER

IL 072072-30

ISSUE

OSHPD PERMIT

DATE

01/27/2010

SCALE

NONE

DRAWING TITLE

EQUIPMENT SCHEDULES

DRAWING NUMBER

M0.07

AIR FILTER SCHEDULE

ID NUMBER	LOCATION	SERVICE	PRE-FILTER FOR MEGA FILTERS								HEGA FILTERS								PRE FILTERS								FINAL FILTERS								HEPA FILTER									
			NO REQ'D	MFR	MODEL	ASHRAE 52.2 MERV	SIZE WxHxD	EFF	PRESSURE DROP		NO REQ'D	MFR	MODEL	ASHRAE 52.2 MERV	SIZE WxHxD	EFF	PRESSURE DROP		NO REQ'D	MFR	MODEL	ASHRAE 52.2 MERV	SIZE WxHxD	EFF	PRESSURE DROP		NO REQ'D	MFR	MODEL	ASHRAE 52.2 MERV	SIZE WxHxD	EFF	PRESSURE DROP		NO REQ'D	MFR	MODEL	ASHRAE 52.2 MERV	SIZE WxHxD	EFF	PRESSURE DROP			
									INITIAL	FINAL							INITIAL	FINAL							INITIAL	FINAL							INITIAL	FINAL							INITIAL	FINAL	INITIAL	FINAL
AF-E-1	LOWER LEVEL MECHANICAL ROOM	AHU E-1	-	-	-	-	-	-	-	-	45	AEROSTAR SERIES 3000	3651	-	24x24x12	95%	0.35"	0.35"	45	AEROSTAR	MERV 1100 PLEATED	MERV 11	24x24x12	85%	0.3"	0.8"	45	AEROSTAR	FP-95	MERV-14	24x24x12	95%	0.38"	1.0"	-	-	-	-	-	-	-	-	-	-
AF-E-2	LOWER LEVEL MECHANICAL ROOM	AHU E-2	15	5	AEROSTAR AEROSTAR	40198 40177	-	24x24x12 12x24x12	65% 65%	0.35" 0.35"	15	5	AEROSTAR AEROSTAR	SERIES 2000 SERIES 2000	-	24x24x12 12x24x12	95% 95%	0.35" 0.35"	45	AEROSTAR	MERV 1100 PLEATED	MERV 11	24x24x12	85%	0.3"	0.8"	45	AEROSTAR	FP-95	MERV-14	24x24x12	95%	0.38"	1.0"	55	AEROSTAR	SC	MERV-20	24x24x11.5	99.99%	1.0"	2.0"		
AF-E-3	LOWER LEVEL MECHANICAL ROOM	AHU E-3	15	5	AEROSTAR AEROSTAR	40198 40177	-	24x24x12 12x24x12	65% 65%	0.35" 0.35"	15	5	AEROSTAR AEROSTAR	SERIES 2000 SERIES 2000	-	24x24x12 12x24x12	95% 95%	0.35" 0.35"	45	AEROSTAR	MERV 1100 PLEATED	MERV 11	24x24x12	85%	0.3"	0.8"	45	AEROSTAR	FP-95	MERV-14	24x24x12	95%	0.38"	1.0"	55	AEROSTAR	SC	MERV-20	24x24x11.5	99.99%	1.0"	2.0"		
AF-W-1	LOWER LEVEL MECHANICAL ROOM	AHU W-1	-	-	-	-	-	-	-	-	45	AEROSTAR SERIES 3000	3651	-	24x24x12	95%	0.35"	0.35"	45	AEROSTAR	MERV 1100 PLEATED	MERV 11	24x24x12	85%	0.3"	0.8"	45	AEROSTAR	FP-95	MERV-14	24x24x12	95%	0.38"	1.0"	-	-	-	MERV-20	-	-	-	-		
AF-W-2	LOWER LEVEL MECHANICAL ROOM	AHU W-2	-	-	-	-	-	-	-	-	35	AEROSTAR SERIES 3000	3651	-	24x24x12	95%	0.35"	0.35"	35	AEROSTAR	MERV 1100 PLEATED	MERV 11	24x24x12	85%	0.3"	0.8"	35	AEROSTAR	FP-95	MERV-14	24x24x12	95%	0.38"	1.0"	-	-	-	MERV-20	-	-	-	-		
AF-W-2	LOWER LEVEL MECHANICAL ROOM	AHU W-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	AEROSTAR	MERV 1100 PLEATED	MERV 11	12x24x12	85%	0.3"	0.8"	5	AEROSTAR	FP-95	MERV-14	12x24x12	95%	0.38"	1.0"	-	-	-	MERV-20	-	-	-	-		
AF-W-3	ROOF	AHU W-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	AEROSTAR	MERV 1100 PLEATED	MERV 11	24x24x12	85%	0.3"	0.8"	40	AEROSTAR	FP-95	MERV-14	24x24x12	95%	0.38"	1.0"	-	-	-	MERV-20	-	-	-	-		
AF-W-4	ROOF	AHU W-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35	AEROSTAR	MERV 1100 PLEATED	MERV 11	24x24x12	85%	0.3"	0.8"	35	AEROSTAR	FP-95	MERV-14	24x24x12	95%	0.38"	1.0"	35	AEROSTAR	SC	MERV-20	24x24x11.5	99.99%	1.0"	2.0"		
AF-W-5	ROOF	AHU W-5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	AEROSTAR	MERV 1100 PLEATED	MERV 11	24x24x12	85%	0.3"	0.8"	28	AEROSTAR	FP-95	MERV-14	24x24x12	95%	0.38"	1.0"	-	-	-	MERV-20	-	-	-	-		
AF-FCU-B1	BASEMENT	FCU B-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	TRANE	-	-	20X25	PLEATED (MERV 6)	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
AF-FCU B2&3	BASEMENT	FCU B-2&3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	TRANE	-	-	20X25	PLEATED (MERV 6)	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
AF-FCU-B4	BASEMENT	FCU B-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	TRANE	-	-	20X25	PLEATED (MERV 6)	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
AF-FCU-B5	BASEMENT	FCU B-5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	TRANE	-	-	20X24	PLEATED (MERV 6)	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
AF-FCU B6&7	BASEMENT	FCU B-6&7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	TRANE	-	-	(3)12x24 (3)24X24	PLEATED (MERV 6)	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
AF-FCU-B8	BASEMENT	FCU B-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	TRANE	-	-	24X24	PLEATED (MERV 6)	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
AF-FCU-B9	BASEMENT	FCU B-9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	TRANE	-	-	24X24	PLEATED (MERV 6)	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
AF-FCU N-1&2	BASEMENT	FCU N-1&2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	TRANE	-	-	20x25	PLEATED (MERV 6)	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
AF-FCU-N3	BASEMENT	FCU N-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	TRANE	-	-	24X24	PLEATED (MERV 6)	0.3	-	2	AEROSTAR	FP12	-	12x24x12	95%	0.38"	1.0"	-	-	-	-	-	-	-	-	-	
AF-FCU E1&2	ROOF TOWER II	FCU E-1&2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	TRANE	-	-	(3)12x24 (3)24X24	PLEATED (MERV 6)	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
AF-FCU E3&4	ROOF TOWER II	FCU E-3&4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	TRANE	-	-	20x25	PLEATED (MERV 6)	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
AF-FCU-P2	PENTHOUSE L2	FCU P-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	TRANE	-	-	20x25	PLEATED (MERV 6)	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
AF-FCU-P3	PENTHOUSE L3	FCU P-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	TRANE	-	-	20X24	PLEATED (MERV 6)	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
CC-FCU-W1	ROOF PANCAKE	FCU W-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	TRANE	-	-	20X24	PLEATED (MERV 6)	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
CC-FCU-N9	BASEMENT	FCU N-9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	TRANE	-	-	40x22x47	PLEATED (MERV 8 1A)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

COOLING COIL SCHEDULE

ID NUMBER	LOCATION	SERVICE	MANUFACTURE	MODEL TYPE	COIL CAPACITY										MINIMUM COIL										MAX PD		COIL WORK PRESS PSI	OPERATING WEIGHT LB	REMARKS
					FLOW CFM	ENT AIR °F		LV AIR °F		WATER °F		TOTAL LOAD MBH	SENSIBLE LOAD MBH	COIL FACE VELOCITY (FPM)	AREA SQ FT	ROW NO.	FIN /IN	WTR FT	AIR IN										
						DB	WB	DB	WB	ENT	LV									GPM									
CC-E-1	BASEMENT	AHU E-1	ENERGY LAB		84,000	82.75	63.13	49.05	48.76	42.0	57.35	437.5	3,359	3,057	497	169	8	8	12.13	0.93	125	①	① INCLUDED WITH AIR HANDLER UNIT						
CC-E-2	ROOF	AHU E-2	ENERGY LAB		110,000	82.1	62.85	48.8	48.52	42.0	56.0	566.5	3,968	3,597	496.3	134	8	8	9.91	0.92	125	①	① INCLUDED WITH AIR HANDLER UNIT						
CC-E-3	ROOF	AHU E-3	ENERGY LAB		110,000	82.1	62.85	48.8	48.52	42.0	56.0	566.5	3,968	3,597	496.3	134	8	8	9.91	0.92	125	①	① INCLUDED WITH AIR HANDLER UNIT						
CC-W-1	BASEMENT	AHU W-1	ENERGY LAB		70,000	82.5	62.85	48.28	48.01	42.0	56	408.8	2,864	2,557	484	289	8	8	11.89	0.89	125	①	① INCLUDED WITH AIR HANDLER UNIT						
CC-W-2	BASEMENT	AHU W-2	ENERGY LAB		70,000	91.5	66.86	49.6	49.23	42.0	56	512.7	3,591	3,168	506.8	176	8	8	7.29	.96	125	①	① INCLUDED WITH AIR HANDLER UNIT						
CC-W-3	ROOF	AHU W-3	ENERGY LAB		70,000	91.5	66.86	49.6	49.23	42.0	56	512.7	3,591	3,168	506.8	176	8	8	7.29	.96	125	①	① INCLUDED WITH AIR HANDLER UNIT						
CC-W-4	ROOF	AHU W-4	ENERGY LAB		60,000	81.7	62.67	48.15	47.9	42.0	56.05	346.4	2,435	2,174	461.5	260	8	8	16.04	0.82	125	①	① INCLUDED WITH AIR HANDLER UNIT						
CC-W-5	ROOF	AHU W-5	ENERGY LAB		50,000	80.0	62.3	48.31	48.06	42.0	56.0	278.7	1,953	1,754	483.9	207	8	8	15.03	0.88	125	①	① INCLUDED WITH AIR HANDLER UNIT						
CC-FCU-B1	BASEMENT	FCU B-1	TRANE		5,000	80	67	52	51.8	42.0	56	32.6	229	153	500	9.8	6	12	8.12	0.8	125	①	① INCLUDED WITH AIR HANDLER UNIT						
CC-FCU-B2&3	BASEMENT	FCU B-2&3	TRANE		4,000	80	67	52	51.8	42.0	56	26.03	182	123	500	7.9	6	12	4.7	0.8	125	①	① INCLUDED WITH AIR HANDLER UNIT						
CC-FCU-B4	BASEMENT	FCU B-4	TRANE		5,000	80	67	52	51.8	42.0	56	32.6	229	153	500	-	6	12	8.12	0.8	125	①	① INCLUDED WITH AIR HANDLER UNIT						
CC-FCU-B5	BASEMENT	FCU B-5	TRANE		3,000	80	67	53.7	52.3	42.0	56	19.9	133	86	500	6.1	6	12	10.15	0.8	125	①	① INCLUDED WITH AIR HANDLER UNIT						
CC-FCU-B6&7	BASEMENT	FCU B-6&7	TRANE		6,000	80	67	52	51.7	42.0	56	39.2	175	185	500	123	6	12	9.7	0.75	125	①	① INCLUDED WITH AIR HANDLER UNIT						
CC-FCU-B8	BASEMENT	FCU B-8	TRANE		5,000	80	67	52	51.8	42.0	56	32.6	229	154	500	9.98	6	12	8.12	0.8	125	①	① INCLUDED WITH AIR HANDLER UNIT						
CC-FCU-B9	BASEMENT	FCU B-9	TRANE		3,500	80	67	52	51.8	42.0	56	22.81	160	108	500	7.9	6	12	3.8	0.64	125	①	① INCLUDED WITH AIR HANDLER UNIT						
CC-FCU N-1&2	BASEMENT	FCU N-1&2	TRANE		3,000	80	67	53.7	52.3	42.0	56	19.9	133	86	500	6.1	6	12	10.15	0.8	125	①	① INCLUDED WITH AIR HANDLER UNIT						
CC-FCU-N3	BASEMENT	FCU N-3	TRANE		3,500	80	67	52	51.8	42.0	56	26.2	182	123	500	7.9	6	12	4.7	0.8	125	①	① INCLUDED WITH AIR HANDLER UNIT						
CC-FCU-E1	ROOF TOWER II	FCU E-1	McQUAY		4,000	80	67	52	51.8	42.0	56	26.2	182	123	500	7.9	6	12	4.7	0.75	125	①	① INCLUDED WITH AIR HANDLER UNIT						
CC-FCU-E2	ROOF TOWER II	FCU E-2	McQUAY		3,000	80	67	53.7	52.3	42.0	54.0	19.9	133	86	500	6.1	6	12	10.15	0.8	125	①	① INCLUDED WITH AIR HANDLER UNIT						
CC-FCU-E3&4	ROOF TOWER II	FCU E-3&4	McQUAY		3,000	80	67	53.7	52.3	42.0	56	19.9	133	86	500	6.1	6	12	10.15	0.8	125	①	① INCLUDED WITH AIR HANDLER UNIT						
CC-FCU-P2	PENTHOUSE L2	FCU P-2	McQUAY		4,000	80	67	52	51.8	42.0	56	26.2	182	123	500	7.9	6	12	4.7	0.75	125	①	① INCLUDED WITH AIR HANDLER UNIT						
CC-FCU-P3	PENTHOUSE L3	FCU P-3	McQUAY		2,000	80	67	53	52	42.0	56	13.5	91	59	500	9.8	6	12	8.0	0.6	125	①	① INCLUDED WITH AIR HANDLER UNIT						
CC-FCU-W1	ROOF PANCAKE ROOF TOWER II	FCU W-1	McQUAY		2,000	80	67	53	52	42.0	56	13.5	91	59	500	9.8	6	12	8.0	0.6	125	①	① INCLUDED WITH AIR HANDLER UNIT						
CC-FCU-B10 & 11	BASEMENT	FCU B-10 & 11	McQUAY		800	80	67	50	49	42.0	54	6.3	41.2	26.1	500	2.8	3	11	8.7	0.4	125	①	① INCLUDED WITH AIR HANDLER UNIT						
CC-FCU-N9	NORTH TOWER BASEMENT	FCU N-9	TRANE		2,000	80	67	54.71	53.69	42.0	56	12.10	81.67	55.72	514	-	-	-	5.72	-	-	①	① INCLUDED WITH AIR HANDLER UNIT						