

FAN COILS (BASED ON DAIKIN)

TAG	MODEL NUMBER	TEMP C [C]	TOTAL COOLING [KW]	SENSIBLE COOLING [KW]	TEMP H [C]	HEATING CAPACITY [KW]	AIRFLOW [L/S]	WEIGHT [KG]
MAIN FLOOR								
FC-01	FXZ007M7VJU	24.0 / 60%	1.8	1.3	23.3	1.8	151	19
FC-02	FXZ007M7VJU	24.0 / 60%	1.9	1.4	23.3	1.8	151	19
FC-03A	FXZ018M7VJU	26.1 / 60%	4.8	3.0	22.1	4.3	233	19
FC-03B	FXZ007M7VJU	28.3 / 51%	2.1	1.6	21.3	1.8	151	19
FC-03C	FXZ018M7VJU	26.1 / 60%	4.7	3.0	22.1	4.3	233	19
FC-03D	FXZ018M7VJU	26.1 / 60%	4.7	3.0	22.1	4.3	233	19
FC-04	FXZ007M7VJU	26.2 / 53%	2.0	1.5	20.0	1.8	151	19
FC-05	FXZ007M7VJU	28.7 / 50%	2.0	1.6	21.1	1.8	151	19
FC-06	FXZ007M7VJU	28.7 / 50%	2.0	1.6	21.3	1.8	151	19
FC-07	FXZ007M7VJU	28.7 / 50%	2.0	1.6	21.3	1.8	151	19
FC-08	FXZ007M7VJU	30.4 / 50%	2.0	1.6	19.6	1.8	151	19
FC-09	FXZ007M7VJU	30.9 / 50%	1.7	1.5	20.0	1.8	151	19
FC-10	FXZ007M7VJU	24.0 / 63%	1.8	1.3	21.9	1.8	151	19
FC-11	FXZ018M7VJU	26.7 / 52%	4.6	3.4	22.3	4.3	233	19
FC-12	FXZ007M7VJU	26.2 / 53%	1.9	1.5	23.1	1.8	151	19
FC-13	FXM048PVJU	25.6 / 63%	12.9	7.7	23.2	11.4	650	46
FC-14	FXZ007M7VJU	28.3 / 63%	2.0	1.3	21.2	1.8	151	19
FC-15A	FXM018PVJU	24.0 / 60%	4.2	3.2	22.2	4.3	300	36
FC-15B	FXM007PVJU	24.0 / 60%	1.8	1.4	22.7	1.8	150	25
FC-15C	FXM007PVJU	24.0 / 60%	1.8	1.4	20.0	1.8	150	25
FC-16A	FXM018PVJU	24.0 / 60%	4.4	3.3	23.3	4.3	300	19
FC-16B	FXM030PVJU	24.0 / 60%	7.3	5.1	23.3	7.1	417	19
FC-16C	FXM030PVJU	24.0 / 60%	6.5	5.7	20.0	7.2	417	19
FC-17	FXM007M7VJU	24.0 / 60%	1.7	1.5	20.0	1.8	151	19
2ND FLOOR WEST								
FC-18	FXZ007M7VJU	26.0 / 50%	1.9	1.6	21.4	1.8	151	19
FC-20	FXZ009M7VJU	28.3 / 59%	2.7	1.6	20.1	2.3	151	19
FC-21	FXM018PVJU	28.6 / 50%	5.0	4.1	19.6	4.4	300	36
FC-22	FXM072PVJU	26.4 / 50%	18.7	13.6	21.8	17.4	967	137
FC-23	FXM018PVJU	28.6 / 50%	4.9	4.0	19.6	4.4	300	36
FC-24	FXM072M7VJU	26.4 / 50%	18.1	13.4	21.8	17.4	967	137
FC-32A	FXF030PVJU	27.4 / 55%	8.1	5.3	21.3	7.3	392	28
FC-32B	FXZ018M7VJU	27.4 / 55%	4.8	3.3	21.3	4.4	233	19
FC-33	FXF036PVJU	27.3 / 50%	9.3	7.2	21.3	8.7	557	30
FC-34	FXF036PVJU	27.3 / 50%	9.3	7.2	21.3	8.7	557	30
FC-39	FXZ007M7VJU	26.5 / 50%	1.9	1.6	20.1	2.3	151	19
2ND FLOOR EAST								
FC-25	FXA007M7VJU	26.2 / 53%	2.0	1.6	20.0	1.8	123	11
FC-26	FXZ007M7VJU	28.5 / 50%	2.0	1.6	21.3	1.8	151	19
FC-27A	FXZ012M7VJU	26.9 / 52%	3.1	2.1	22.1	2.9	158	19
FC-27B	FXZ018M7VJU	26.9 / 52%	4.8	3.5	22.1	4.3	233	19
FC-27C	FXZ018M7VJU	27.9 / 52%	4.9	3.5	21.7	4.3	233	19
FC-28	FXZ007M7VJU	29.0 / 50%	2.0	1.6	21.2	1.8	151	19
FC-29	FXZ007M7VJU	28.3 / 50%	2.0	1.6	21.2	1.8	151	19
FC-30	FXZ007M7VJU	26.9 / 52%	2.0	1.6	20.9	1.8	151	19
FC-31	FXZ007M7VJU	28.6 / 50%	2.1	1.7	21.0	1.8	151	19
FC-35A	FXM036PVJU	27.9 / 52%	9.9	7.2	21.2	8.7	533	46
FC-35B	FXZ018M7VJU	27.9 / 52%	5.0	3.9	21.2	4.3	300	36
FC-36	FXZ012M7VJU	27.6 / 64%	3.2	1.7	20.9	2.9	158	19
FC-37	FXF048PVJU	24.0 / 53%	10.8	7.7	22.2	11.5	576	30
FC-37A	FXZ012M7VJU	24.0 / 50%	2.7	2.0	20.0	2.9	158	19
FC-37B	FXZ012M7VJU	24.0 / 50%	2.6	2.0	20.0	2.9	158	19

FAN COILS CONT. (BASED ON DAIKIN)

TAG	MODEL NUMBER	TEMP C [C]	TOTAL COOLING [KW]	SENSIBLE COOLING [KW]	TEMP H [C]	HEATING CAPACITY [KW]	AIRFLOW [L/S]	WEIGHT [KG]
FLEET								
FC-40	FXZ007M7VJU	27.4 / 50%	2.1	1.7	21.4	1.7	155	19
FC-41	FXZ007M7VJU	27.8 / 50%	2.1	1.7	20.3	1.7	151	19
FC-42	FXZ007M7VJU	27.9 / 50%	2.1	1.7	20.6	1.7	151	19
FC-43	FXF024PVJU	26.3 / 50%	6.3	5.0	21.9	5.5	368	28
FC-44	FXZ007M7VJU	28.1 / 50%	2.1	1.7	20.6	1.7	151	19
FC-45	FXZ007M7VJU	27.8 / 50%	2.1	1.7	20.7	1.7	151	19
FC-46	FXZ007M7VJU	28.2 / 50%	2.1	1.7	20.8	1.7	151	19
FC-47	FXZ007M7VJU	27.8 / 50%	2.2	1.7	19.6	1.7	151	19
FC-48	FXZ007M7VJU	27.8 / 50%	2.1	1.7	18.9	1.7	151	19
FC-49	FXF024PVJU	26.2 / 61%	6.7	4.3	21.9	5.5	368	28
FC-50	FXZ007M7VJU	27.3 / 55%	2.2	1.6	20.0	1.7	151	19

BRANCH SELECTORS (BASED ON DAIKIN)

TAGS	MODEL NUMBER	COOLING CAPACITY [KW]	NET WEIGHT [KG]	GAS PIPE CONNECTION [MM]	LIQUID PIPE CONNECTION [MM]
BS-20, 26, 30, 39, 41, 50, 56, 57, 62, 64	BSV036PVJU	106	11.8	15.9	9.5
BS-17, 40, 60, 63, 64, 65	BSV060PVJU	17.6	11.8	15.9	9.5
BS-18, 19, 20, 43, 58, 59	BSV096PVJU	28.1	15.0	15.9	9.5

HEAT PUMPS (BASED ON DAIKIN)

TAG	MODEL NUMBER	COOLING CAPACITY [KW]	HEATING CAPACITY [KW]
HP-1	REYQ312PBTJ	96.7	78.7
HP-2	REYQ312PBTJ	96.7	78.8
HP-3	REYQ216PBTJ	67.2	55.5
HP-4	REYQ120PBTJ	37.5	27.2

GRILLES, REGISTERS AND DIFFUSERS (BASED ON E.H. PRICE)

TAG	MODEL	COMMENT
S-1	520/F/S/A/B1	
S-2	SCD/31/30/B1	
R-1	80/F/A/B12	
R-2	510/F/S/A/B12	
E-1	100/F/A/B12	

VARIABLE AIR VOLUME DAMPER

TAG	FLOW [L/S]	MINIMUM FLOW [L/S]
VAV-1	9	4
VAV-3A	20	12
VAV-3B	23	13
VAV-3C	20	12
VAV-3D	20	12
VAV-5	10	3
VAV-6	9	4
VAV-7	9	4
VAV-11	16	6
VAV-14	22	13
VAV-21	145	14
VAV-23	145	14
VAV-26	8	3
VAV-27	44	22
VAV-28	8	3
VAV-29	8	4
VAV-30	10	3
VAV-31	10	3
VAV-32A	88	17
VAV-32B	88	17
VAV-33	75	18
VAV-34	75	18
VAV-35	73	51
VAV-37	34	22
VAV-38	39	10
VAV-40	37	8
VAV-41	28	10
VAV-42	23	7
VAV-43	62	12
VAV-44	14	4
VAV-45	30	7
VAV-46	9	3

ISSUED FOR CITY REVIEW 11-06-2012

REV	DESCRIPTION	DATE	BY
3	ISSUED FOR CONSTRUCTION	11 MAY 2012	PSG
2	ISSUED FOR 66% REVIEW	06 MAR 2012	PSG
1	ISSUED FOR 33% REVIEW	06 JAN 2012	PSG

NOVA 3 ENGINEERING LTD.
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201-120 FORT STREET WINNIPEG, MANITOBA R3C 1C7
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J.H. GUENTHER REGISTERED ENGINEER

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Certificate of Authorization
Nova 3 Engineering Ltd.
No.962 Date: _____

PROVINCE OF MANITOBA
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CLIENT: CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
PROJECT NUMBER: 1511
DRAWN BY: BSD
DATE: MAR 6, 2012
SCALE: 1: 100

PROJECT TITLE:
CITY OF WINNIPEG
PUBLIC WORKS EAST YARD COMPLEX
MAIN OFFICE & GARAGES
SHEET TITLE:
MECHANICAL EQUIPMENT SCHEDULE

SHEET NUMBER:
M5.1
REVISION NUMBER:
0