

File Name: P:\Projects\2011\11-0902-04\Doc Control\ToBeIssued\DWG\11-0902-04_M18.0-Rev 1.dwg - Tab: 24x36-11-0902-04M18 Plotted By: DDeroche 12/02/06 [Mon 8:15am]
24"x36"/PLOT SCALE: 1:1

KEY NOTES:

- 1 INTERLOCK ROOFTOP UNIT RTU-2 AND EXHAUST FAN EF-6 (ACCORDING TO DOL REQUIREMENTS).
- 2 EXTEND PRESSURE SENSORS TO ROOF TO REDUCE WIND INTERFERENCE.

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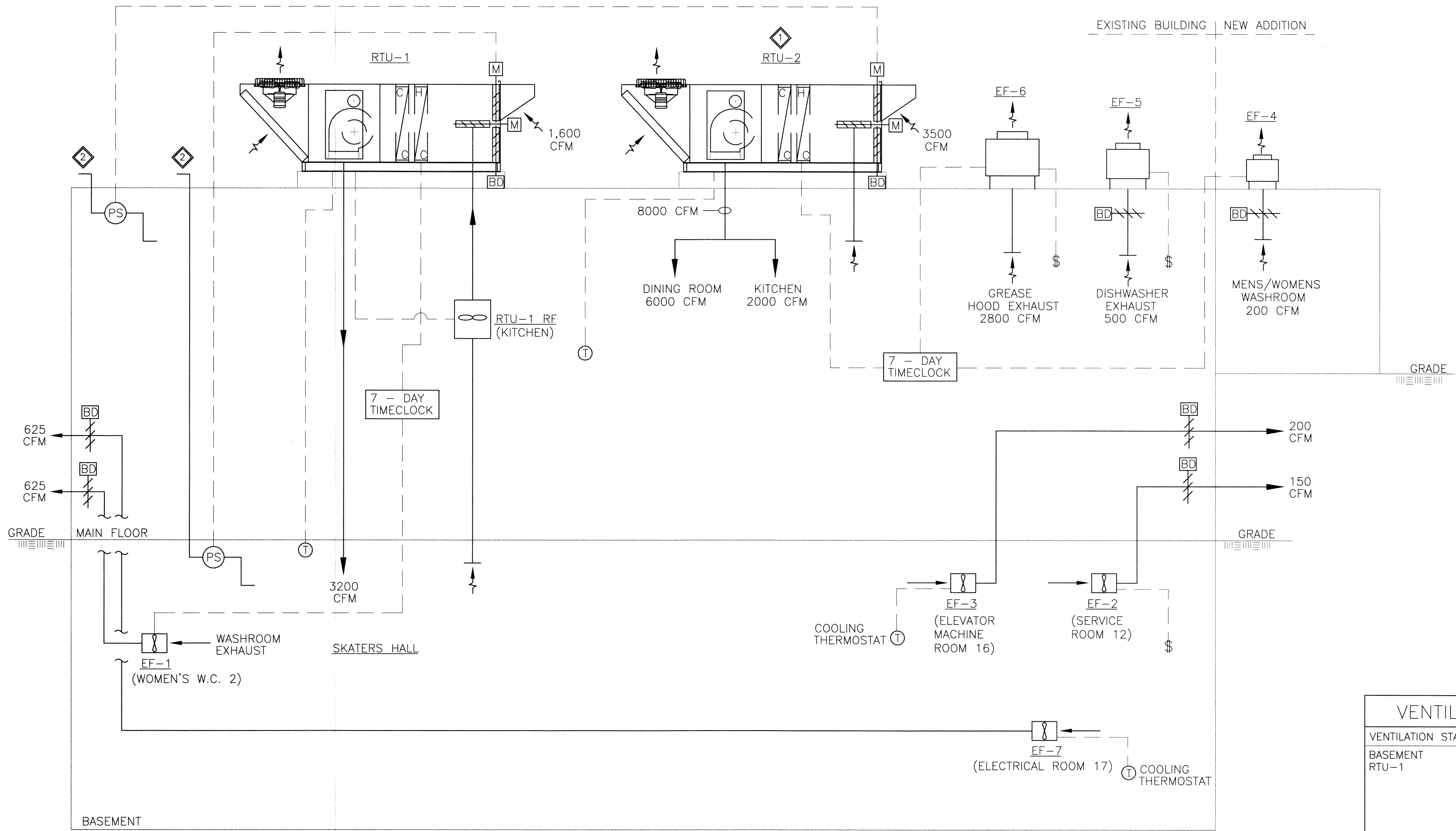
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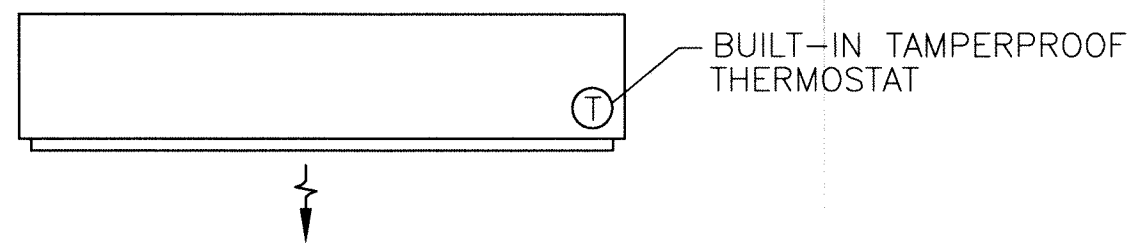
REVISED/ ISSUED/ PLOTTED	DATE
Rev. 1 - ISSUED FOR TENDER	FEBRUARY 03/2012
Rev. 0 - ISSUED FOR TENDER	NOVEMBER 21/2011

LEGEND:

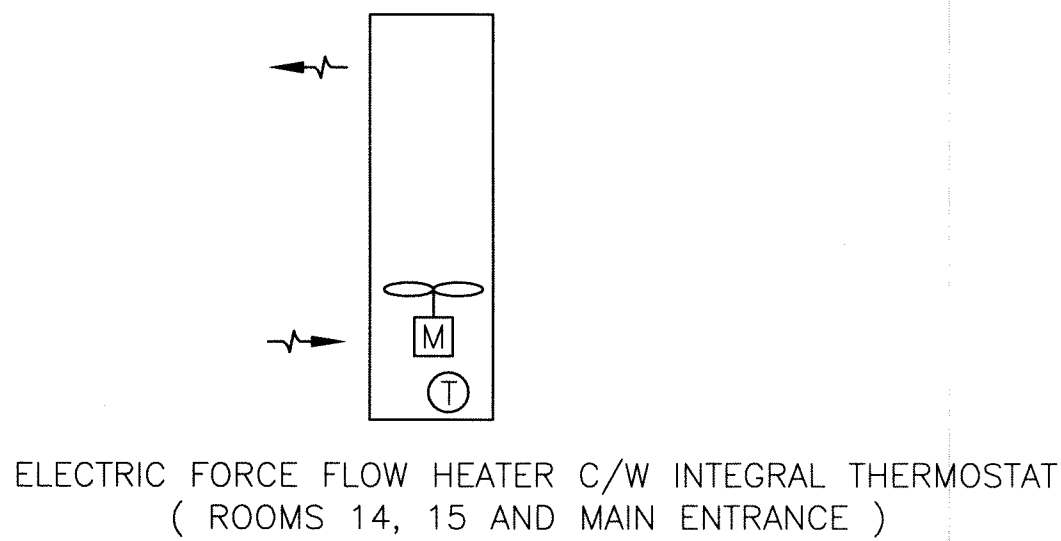
RTU-	ROOFTOP UNIT WITH GAS HEAT, DX COOLING AND ECONIMIZER
EF-	EXHAUST FAN
HWS	HOT WATER SUPPLY
HWR	HOT WATER RETURN
Ⓢ	THERMOSTAT
Ⓟ	PRESSURE SENSOR
M	MOTORIZED DAMPER
BD	BACKDRAFT DAMPER C/W DUCT ACCESS DOOR
\$	ON/OFF SWITCH
3-WAY CONTROL VALVE	
CIRCUIT SETTER	
RTU-1 RF	RETURN FAN FOR ROOFTOP UNIT



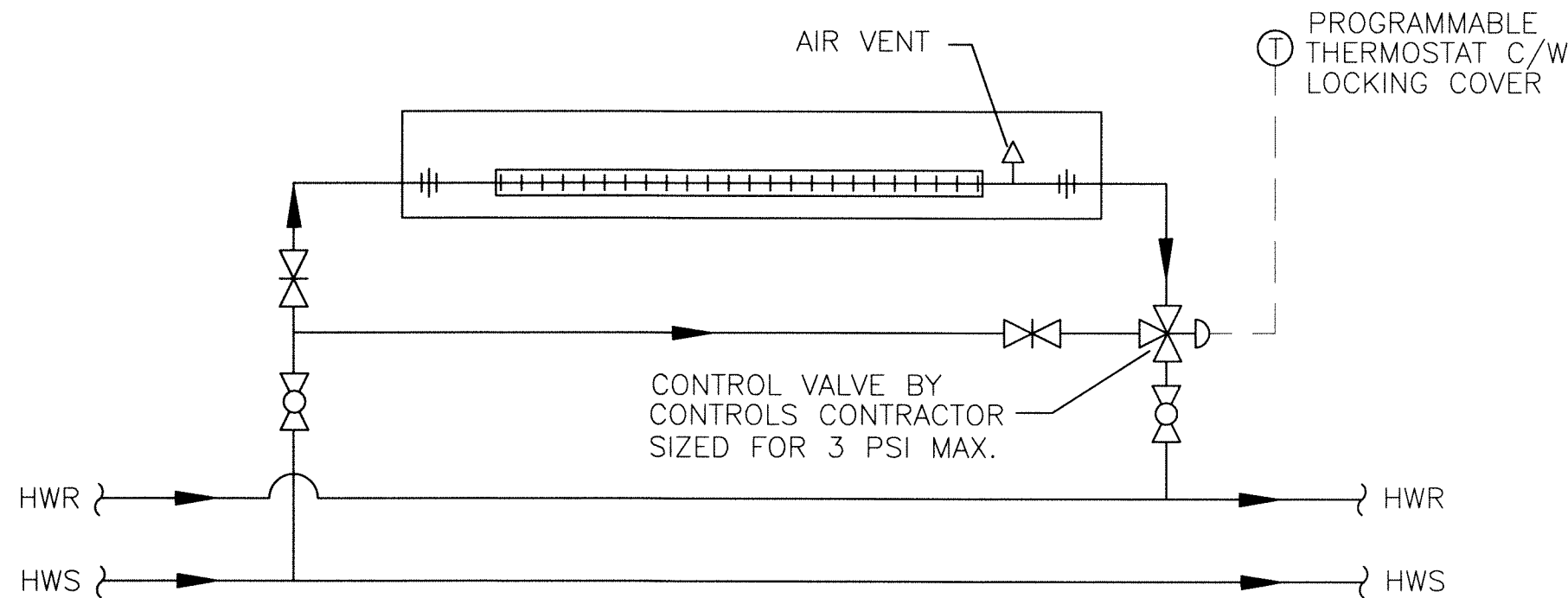
1 HVAC CONTROL SCHEMATIC
SCALE: N.T.S.



2 ELECTRIC BASEBOARD HEATERS - DETAIL
BB-1, 2, 3, 4, 5, 6, 7, 8 AND BB-9
SCALE: N.T.S. (BY DIV. 26)



3 FORCE FLOW HEATERS
FF-1, FF-2 AND FF-3 - DETAIL
SCALE: N.T.S. (BY DIV. 26)



4 HOT WATER RADIATOR - DETAIL
R1, 2, 3, 4, 5, 6, 7, 8, 9 AND R10
SCALE: N.T.S. (BY DIV. 23)

VENTILATION DESIGN INFORMATION TABLE		
VENTILATION STANDARD		ASHRAE 62.1-2010
BASEMENT RTU-1	TYPE OF OCCUPANCY	MULTIPURPOSE ASSEMBLY
	OCCUPANCY	21 PEOPLE
	AREA	3,900 SQ.FT.
	PEOPLE OUTDOOR AIR RATE	5 CFM/PERSON
	AREA OUTDOOR AIR RATE	0.06 CFM/SQ.FT.
	MINIMUM REQUIRED OUTDOOR AIR RATE	339 CFM
	DESIGN OUTDOOR AIR RATE	1,600 CFM
MAIN FLOOR RTU-2	TYPE OF OCCUPANCY	RESTAURANT
	OCCUPANCY	100 PEOPLE
	AREA	3,900 SQ.FT.
	PEOPLE OUTDOOR AIR RATE	7.5 CFM/PERSON
	AREA OUTDOOR AIR RATE	0.18 CFM/SQ.FT.
	MINIMUM REQUIRED OUTDOOR AIR RATE	1,452 CFM
	DESIGN OUTDOOR AIR RATE	3,500 CFM

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architecture • interior design • graphic design

PEGUIS PAVILION
UPGRADES & ENTRY ADDITION
BIDDING #913-2011

project
MECHANICAL
HVAC CONTROL SCHEMATIC
AND DETAILS

sheet title

KGS GROUP | CONSULTING
ENGINEERS

consultant

MAPEGN
Certificate of Authorization
KGS Group
No. 245

PROVINCE OF MANITOBA
R.B.
BODNAR
REGISTERED PROFESSIONAL ENGINEER

scale: N.T.S.
date: August 15, 2011
drawn by: VJH
checked by: RBB
project no. 2011026
sheet no. M18.0