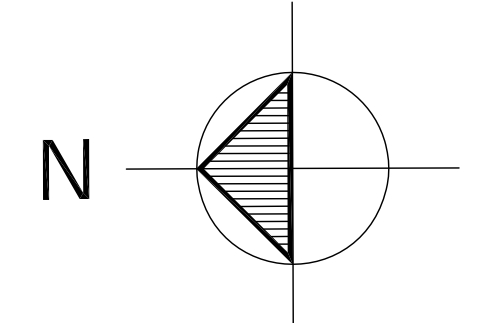


1 GRD FLOOR HVAC
M2-1 1:100

DESIGN & INSTALL ALL MECHANICAL SYSTEMS TO THE FOLLOWING CODES AND STANDARDS:
 ALBERTA BUILDING CODE - LATEST EDITION
 ALBERTA FIRE CODE - LATEST EDITION
 NATIONAL BUILDING CODE - LATEST EDITION
 NATIONAL FIRE CODE - LATEST EDITION
 NFPA-13 & ALL OTHER APPLICABLE NFPA SECTIONS
 CANADIAN PLUMBING CODE - LATEST EDITION
 NATURAL GAS INSTALLATION CODE CGA-B149
 SMACNA



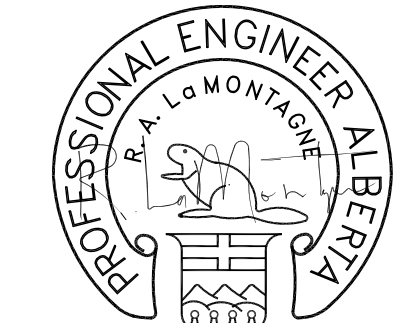
FIELD REVIEW:
 THE ENGINEERS HAVE BEEN RETAINED ONLY FOR PERIODIC SITE INSPECTIONS TO ENSURE GENERAL COMPLIANCE OF THE REVIEWED PORTIONS OF THE PROJECT TO THE CONTRACT DOCUMENTS.

SITE SAFETY:
 THE ENGINEERS ASSUME NO RESPONSIBILITY FOR ON-SITE WORKER SAFETY FOR OTHER THAN THEIR OWN EMPLOYEES. THE OWNER AND/OR CONTRACTOR SHALL BEAR RESPONSIBILITY FOR SITE SAFETY AS PER THE OCCUPATIONAL HEALTH AND SAFETY ACT.

PLANS EXAMINATION:
 DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNTIL REVIEWED AND APPROVED BY THE AUTHORITY HAVING JURISDICTION. THIS AUTHORITY, BASED ON APPLICABLE CODES, MAY REQUIRE REVISIONS AND/OR ADDITIONS AND THIS MAY RESULT IN EXTRA COSTS. THESE COSTS ARE UNFORESEEN AND THEREFORE, ARE THE RESPONSIBILITY OF THE OWNER AND/OR CONTRACTOR.

COPYRIGHTS:
 ALL DRAWINGS, DESIGNS AND RELATED DOCUMENTS ARE THE PROPERTY OF THE ENGINEER, PROTECTED BY COPYRIGHT AND MUST BE RETURNED ON REQUEST. REPRODUCTION OF DRAWINGS AND DOCUMENTS IN PART OR IN WHOLE IS PROHIBITED WITHOUT THE ENGINEER'S PERMISSION. DRAWINGS AND DOCUMENTS ARE TO BE USED ONLY FOR THE PURPOSE FOR WHICH THEY ARE ISSUED AND ARE NOT TO BE USED FOR CONSTRUCTION UNLESS SIGNED BY THE ENGINEER.

DRAWING REVIEW:
 DRAWINGS MUST NOT BE SCALED. THE CONTRACTOR MUST CROSS-REFERENCE ALL ARCHITECTURAL, STRUCTURAL, FOUNDATION, ELECTRICAL AND MECHANICAL DRAWINGS AND VERIFY ALL DIMENSIONS, DRAWINGS AND SPECIFICATIONS ON SITE. ANY DISCREPANCIES MUST BE REPORTED TO THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK.



30/01/13
 PERMIT TO PRACTICE P10904

REVISIONS			
NO.	DESCRIPTION	DATE	CK
1	ISSUED FOR BP	18/01/13	
2	ISSUED FOR TENDER	30/01/13	

DMH Designs Ltd.
 117 Royal Oak Green NW
 Calgary, Alberta T3G 6A7
 Tel: (403) 620-3170
 Fax: (403) 208-4185

CLIENT
 VISIONS
 CALGARY, ALBERTA

PROJECT
 BLDG 2 (VISIONS BLDG)
 PHASE 2
 ST ALBERT, ALBERTA

TITLE
 HVAC MAIN FLOOR PLAN

SCALE AS NOTED	DATE JANUARY /13	DRAWING NO. M2-1
DRAWN BY DP	CHECKED BY DP	
JOB #: 12-756	DWG:	REVISION: 1
PLOTTED:	COPIED:	

ROOF TOP UNIT SCHEDULE (LENNOX OR APPROVED EQUAL)							
TAG	MODEL	HEATING CAPACITY		COOLING CAPACITY (NET)	AIR VOL (CFM)	POWER	REMARKS
		INPUT	OUTPUT				
AC-1	LENNOX LGH120H4BH	240 MBH	192 MBH	120 MBH	4000	208V/3/60	EACH UNIT TO BE C/W - 50MM DISPOSABLE FILTER - ROOF CURB - ECONOMIZER - CONTROL TRANSFORMER - 24 VOLT SPACE HEAT/COOL THERMOSTAT - BELT DRIVE - FACTORY INSTALLED DISCONNECT SWITCH
AC-2	LENNOX LGH120H4BH	240 MBH	192 MBH	120 MBH	4000	208V/3/60	
AC-3 TO AC-5	15 TON GAS BY TENANT.	HEAT / ELECTRIC COOL RTU'S MODEL TO BE CONFIRMED					

ELECTRIC HEATER SCHEDULE (OUELLET)					
TAG	LOCATION	MODEL	TOTAL HEAT OUTPUT (KW)	POWER	REMARKS
FF-1	FRONT VEST.	OACO-3000	3	208/240/1/60	WALL MOUNTED, SEMI-RECESSED, C/W INT. THERMOSTAT

MECHANICAL EQUIPMENT ELECTRICAL CONNECTION SCHEDULE		
RTU	AC-1 AC-2	208V/3/60 208V/3/60
ELECTRIC FORCE FLOW	FF-1	208/240/1/60

NOTES:
 REFER TO MECHANICAL DRAWINGS FOR LOCATIONS & ADDITIONAL NOTES.
 FIRE PROTECTION SPRINKLER SYSTEM TO HAVE FLOW & TAMPER SWITCHES, AS REQUIRED BY CODE.

HVAC NOTES:
 - ROOF TOP UNIT ELECTRICAL DATA IS AS FOLLOWS:
 MODEL LGC120 - (AT 208V/3/60) MINIMUM CIRCUIT AMPACITY=53, MAXIMUM OVERCURRENT PROTECTION=70 AMPS
 - ROOF TOP UNIT WEIGHT IS APPROX. 1460 LBS PER UNIT