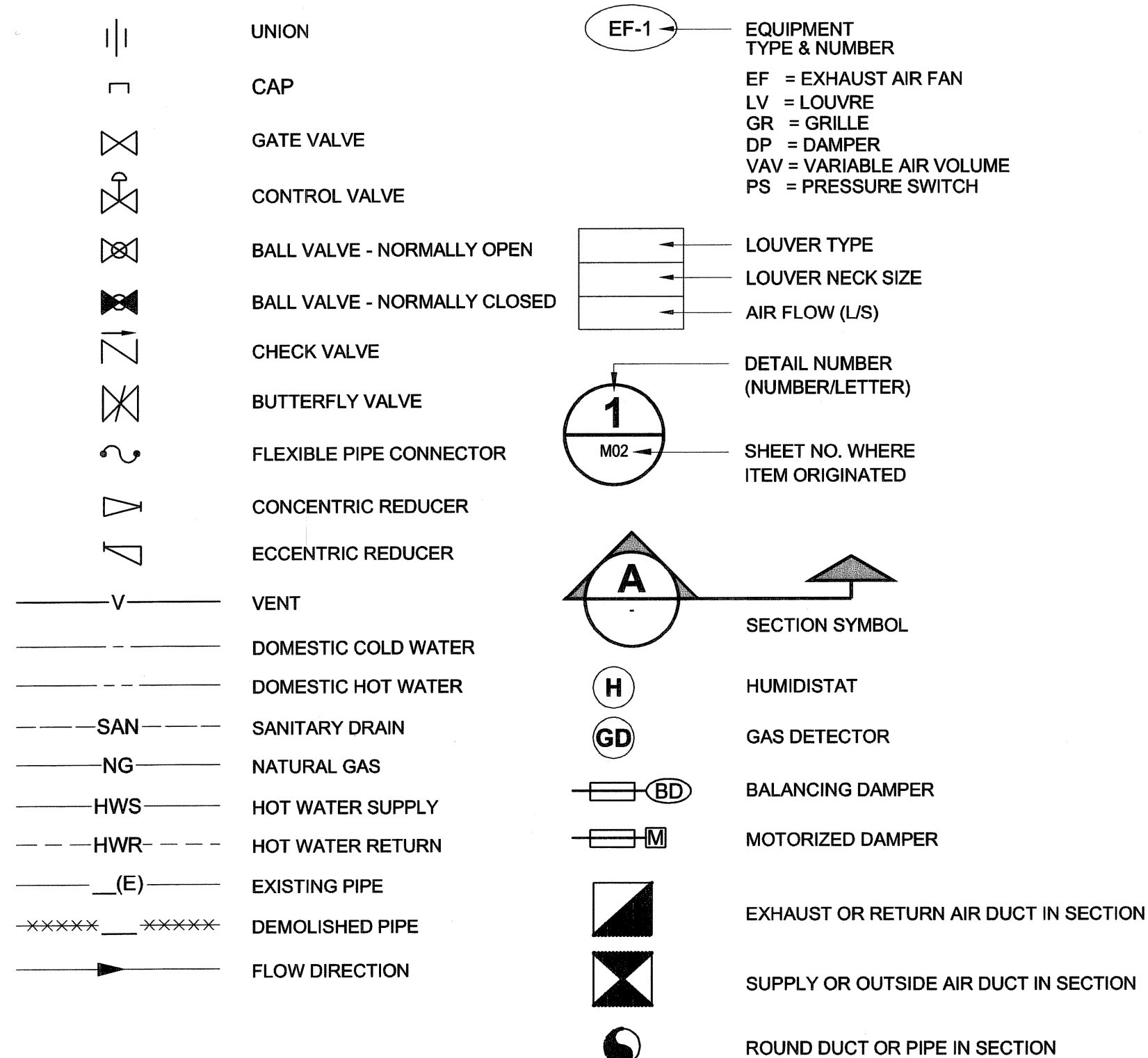


LEGEND



GENERAL NOTES:

- DIMENSIONS AND BUILDING ORIENTATION SHOWN ON THE DRAWING ARE APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE TO VERIFY EQUIPMENT/BUILDING LOCATIONS AND DIMENSIONS ON SITE.
- PATCH ALL OPENINGS REMAINING AFTER EQUIPMENT, DUCT, OR PIPING INSTALLATION/REMOVALS. PATCHING TO ACHIEVE COLOUR MATCHED FINISH OF LIKE MATERIALS TO THE SURROUNDING SURFACE MATERIAL.
- CUT ALL NEW OPENINGS REQUIRED FOR NEW INSTALLATIONS OR DEMOLITION WORK USING DUE CARE AND APPROPRIATE TOOLS AND METHODS TO MAINTAIN THE INTEGRITY OF THE STRUCTURE/ASSEMBLY IN WHICH THE OPENING IS BEING CUT. MECHANICAL CONTRACTOR SHALL SUPPLY GALVANIZED STEEL SHEET METAL AND SLEEVES FOR EQUIPMENT PENETRATING THE WALL.
- ELECTRICALLY ISOLATE ALL DISSIMILAR METALS.
- PROVIDE ADDITIONAL FRAMING AT ALL WALL PENETRATIONS.
- PERFORM ALL WORK IN CO-ORDINATION WITH ALL OTHER TRADES AND CONTRACTORS. PROVIDE COMPLETE FUNCTIONAL AND CODE COMPLIANT SYSTEMS.
- CONTRACTOR IS RESPONSIBLE FOR TAKING OUT PERMITS AND PAYING ALL FEES RELATED TO DEMOLITION/MODIFICATION OF THE EXISTING SYSTEMS, CONSTRUCTION, MODIFICATION AND INSTALLATION OF NEW SYSTEMS.
- DEMOLITION/MODIFICATION/DISPOSAL/INSTALLATION OF MECHANICAL WHICH INVOLVE NATURAL GAS PIPING AND EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH THE MANITOBA FIRE CODE, REGULATIONS, INDUSTRY STANDARDS AND LOCAL BYLAWS.
- USE SKILLED AND LICENSED LABOURERS AND JOURNEYMEN TO PERFORM ALL WORK.
- ALL WASTE IS TO BE DISPOSED OF OFF SITE IN AN APPROVED FACILITY LICENSED TO ACCEPT SUCH WASTE.
- CONTRACTOR IS RESPONSIBLE TO REMOVE ANY CONTAMINATED OR HAZARDOUS WASTE/REFUSE, WHICH IS CAUSED BY THIS CONSTRUCTION WORK, AND TO DISPOSE THEM OFF SITE AS PER CODE.
- CONTRACTOR TO PROVIDE PROTECTION TO OWNER EQUIPMENT DURING CONSTRUCTION. WORK WITH EXTREME CARE AROUND OPERATING EQUIPMENT.
- COORDINATE THE TIMING, DURATION AND SAFETY REQUIREMENTS FOR SHUT-DOWNS TO ALLOW PIPING TIE-INS AND WORK IN HAZARDOUS ATMOSPHERE WITH THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT.
- VERIFY CONFINED SPACES ENTRY REQUIREMENTS WITH CITY PRIOR TO ENTERING SUCH SPACES.
- CONTRACTOR SHALL PROVIDE REQUIRED PERSONNEL FACILITIES FOR STAFF ON SITE.

DESIGN NOTES:

GARAGE VENTILATION TO MAINTAIN:
 - CO < 25 ppm
 - NO₂ < 3 ppm
 VENTILATION MAKE UP AIR MAX. 27°C TEMPERATURE RISE
 EXHAUST FANS STAGED ACCORDING TO GAS DETECTION LEVELS STARTING AT:
 - CO = 12.5 ppm
 - NO₂ = 1.5 ppm

FAN SCHEDULE										
ITEM	LOCATION	MANUFACTURER AND MODEL No.	AIRFLOW (LPS)	FAN SIZE	ESP (Pa)	RPM	BHP	MOTOR HP	VOLTAGE / PHASE	ACCESSORIES
EF-1	FORESTRY GARAGE	NORTHERN BLOWER MODEL 7410 SIZE 2700	4250	SIZE 2700	125	1510	1.81	3	208/3	VERTICAL INSTALLATION, MOTOR HOUSING & BELT GUARD
EF-2	FORESTRY GARAGE	NORTHERN BLOWER MODEL 7410 SIZE 2700	4250	SIZE 2700	125	1510	1.81	3	208/3	VERTICAL INSTALLATION, MOTOR HOUSING & BELT GUARD
EF-3	FORESTRY GARAGE	NORTHERN BLOWER MODEL 7410 SIZE 2700	4250	SIZE 2700	125	1510	1.81	3	208/3	VERTICAL INSTALLATION, MOTOR HOUSING & BELT GUARD
EF-4	FORESTRY GARAGE	NORTHERN BLOWER MODEL 7410 SIZE 2700	4250	SIZE 2700	125	1510	1.81	3	208/3	VERTICAL INSTALLATION, MOTOR HOUSING & BELT GUARD
EF-5	CHAINSAW REPAIR DUST COLLECTION	TORIT VS-2400	1,130	-	-	-	-	5	230/460	OWNER PROVIDED EXISTING EQUIPMENT TO BE RELOCATED BY CONTRACTOR FROM 401 PANDORA WEST SHOP

NOT IN CONTRACT E

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GRILLE SCHEDULE				
ITEM	MANUFACTURER AND MODEL No.	SIZE	AIRFLOW (LPS)	ACCESSORIES
SA-A	EH PRICE 152D	SEE DWGS	SEE DWGS	WHITE POWDER COAT FINISH. BLADES DEFLECTION 45°
SA-B	EH PRICE 302	SEE DWGS	SEE DWGS	WHITE POWDER COAT FINISH. BLADES DEFLECTION 15°
RA-A	EH PRICE TSF80	SEE DWGS	SEE DWGS	WHITE POWDER COAT FINISH.

GAS DETECTOR SCHEDULE			
ITEM	LOCATION	MANUFACTURER AND MODEL No.	GAS DETECTED
GD-1	FORESTRY GARAGE	HONEYWELL VULCAIN VA-201M	NOx, CO
GD-2	FORESTRY GARAGE	HONEYWELL VULCAIN VA-201M	NOx, CO
GD-3	FORESTRY GARAGE	HONEYWELL VULCAIN VA-201M	NOx, CO
GD-4	FORESTRY GARAGE	HONEYWELL VULCAIN VA-201M	NOx, CO

MAKE UP AIR UNIT SCHEDULE							
ITEM	LOCATION	MANUFACTURER AND MODEL No.	LPS	TSP (Pa)	OUTPUT MBH	MOTOR HP	DETAILS
MAU-1	FORESTRY GARAGE MEZZANINE	ICE MANUFACTURING BMA 127	12,750	250	3,208	25	-
MAU-2	FORESTRY GARAGE MEZZANINE	EXISTING MAU	4,250	250	990	EXISTING	EXISTING UNIT TO BE RE-HUNG OVER NEW MECHANICAL PLATFORM
MAU-3	OUTSIDE FORESTRY GARAGE SOUTH	ICE MANUFACTURING HTDM 400	1415	250	328	2	-

NOT IN CONTRACT E

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NO.	REVISION/DESCRIPTION	BY	DATE
F	ISSUED FOR ADDENDUM No. 3	ALS	07/11/21
E	ISSUED FOR ADDENDUM No. 1	ALS	07/11/14
D	ISSUED FOR TENDER	ALS	07/11/02
C	ISSUED FOR FINAL REVIEW	ALS	07/16/19
B	ISSUED FOR 100% REVIEW	ALS	07/09/12
A	ISSUED FOR CLIENT REVIEW	ALS	07/08/12

SEALS



DRAWN BY: RJP
 CHECKED BY: -
 DATE: 2007.05.09
 USER APPROVAL

CITY OF WINNIPEG
 PLANNING, PROPERTY & DEVELOPMENT DEPARTMENT
 CIVIC ACCOMMODATIONS DIVISION
 300 - 65 GARRY ST. R3C 4K4

PROJECT
 CONSTRUCTION OF OFFICE/GARAGE RENOVATIONS AND STORAGE BUILDING AT 1539 WAVERLEY STREET
 1539 Waverley Street, Winnipeg, MB.

SHEET TITLE

MECHANICAL
 GENERAL NOTES, LEGEND & SCHEDULES

SCALE: N/A
 PROJECT NO: 0265-395-02
 SHEET NO: GEN - M1.1

