

MECHANICAL LEGEND / SYMBOLS	
	EXISTING CONSTRUCTION TO REMAIN
	TO BE DEMOLISHED
	NEW CONSTRUCTION
	BUTTERFLY VALVE
	SHUT OFF VALVE
	UNION
	ANGLE GLOBE VALVE
	FLOW DIRECTION
	CLEANOUT
	DOMESTIC COLD WATER PIPING
	DOMESTIC HOT WATER PIPING
	SANITARY PIPING BELOW SLAB
	WET SPRINKLER PIPING
	EXISTING COMPRESSED AIR PIPING
	VENT PIPING
	VENT THROUGH ROOF
	THERMOSTAT
	SWITCH
	BACKDRAFT DAMPER
	MOTORIZED DAMPER
	BALANCE DAMPER
	EXTERNALLY INSULATED DUCTWORK
	ACOUSTICALLY LINED DUCTWORK
	SUPPLY AIR GRILLE
	RETURN AIR GRILLE
	SUPPLY AIR DUCT UP/DOWN
	RETURN AIR DUCT UP/DOWN
	EXHAUST AIR DUCT UP/DOWN
	CO / NO ₂ SENSOR
	FLOOR DRAIN
	PLUMBING FIXTURE DESIGNATION
	EQUIPMENT DESIGNATION
	GRILLE TYPE (SEE GRILLE SCHEDULE)
	SIZE
	CFM / R/A

GRILLE AND DIFFUSER SCHEDULE				
TAG	DESCRIPTION	MANUFACTURER	MODEL	REMARKS
S-1	SQUARE CONE DIFFUSER	E.H. PRICE	SCD / 3C	SIZE 24" x 24", T-BAR CEILING MOUNTING, COLOUR B12
R-1	EGG CRATE CEILING RETURN	E.H. PRICE	80	SIZE REFER TO DRAWINGS, COLOUR B12

FAN SCHEDULE								
TAG	MANUFACTURER	MODEL	TYPE	AIR FLOW CFM	SP in.	MOTOR		NOTE
						HP	BHP	
F-1	GREENHECK	BSQ-130-7	CEILING MOUNT	1840	0.5	0.75	0.51	EXHAUST FAN

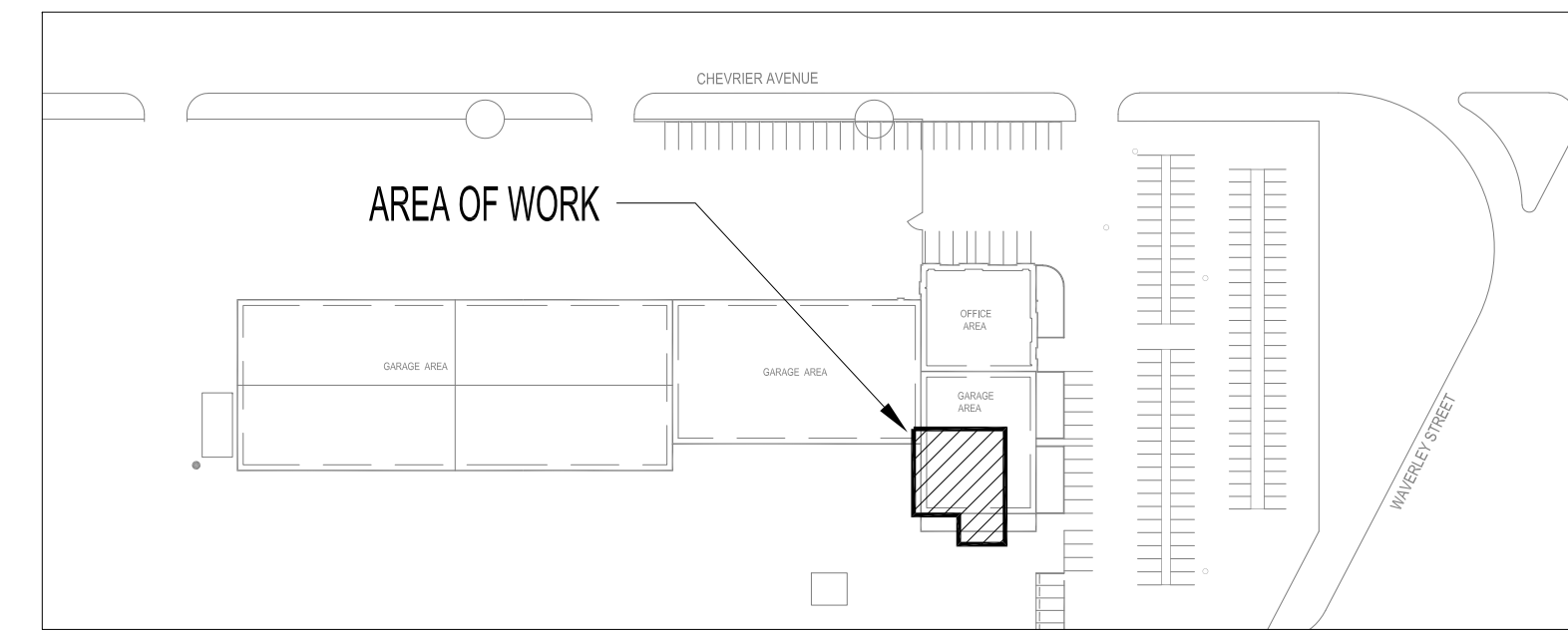
MINI MAKE UP AIR SCHEDULE						
TAG	MANUFACTURER	MODEL	AIR FLOW (CFM)	SP (in)	MAX (KW)	REMARKS
MJA-1	THERMOLEC	FER-6-3	100	0.2	3	C/W FILTER AND ELECTRONIC CONTROLLER BUILT-IN DAMPER, ELECTRONIC TEMPERATURE SENSOR

SPLIT AIR CONDITIONING SCHEDULE							
TAG	DESCRIPTION	LOCATION	MANUFACTURER	MODEL	TOTAL AIRFLOW (CFM)	TOTAL COOLING CAPACITY (TONS)	SEER
AC-1	INDOOR AIR CONDITIONER	KITCHEN 120	DAIKIN	FTKB18AXVJU	318 - 374 - 430	1.5	17
CU-1	CONDENSING UNIT	GARAGE	DAIKIN	RKB18AXVJU	1690		

NOTE: R410A REFRIGERANT

EXPANSION TANK SCHEDULE								
TAG	MANUFACTURER	MODEL	TOTAL VOLUME (US GAL)	PRE-CHARGE PRESSURE (PSIG)	MAX. OPERATING PRESSURE (PSI)	MAX. TEMPERATURE (F)	FLUID	NOTE
ET-1	AMTROL	ST-12-C	4.4	40	150	200	WATER	

MECHANICAL DRAWING LIST	
SHEET No:	SHEET TITLE
M1	KEY PLAN, MECHANICAL SYMBOLS AND SCHEDULES
M2	DEMOLITION PLAN (NOT IN CONTRACT)
M3	PARTIAL MAIN FLOOR PLAN MECHANICAL RENOVATION
M4	PARTIAL MAIN FLOOR PLAN FIRE PROTECTION RENOVATION
M5	MECHANICAL SPECIFICATIONS



NOTES:
 THESE DRAWINGS SHALL NOT BE SCALED.
 THIS DRAWING IS DIAGRAMMATIC ONLY. CONTRACTOR TO COORDINATE EXACT LOCATIONS OF AND ROUTING ON SITE WITH ALL NEW AND EXISTING SYSTEM.
 THE CONTRACTOR SHALL VISIT THE SITE AND SATISFY HIMSELF ALL DIMENSIONS, DATUM, AND DETAILED INFORMATION SHOWN ARE CORRECT.
 THE CONTRACTOR IS TO REVIEW AND COORDINATE ALL ARCHITECTURAL, MECHANICAL, ELECTRICAL AND STRUCTURAL DRAWINGS FOR ADDITIONAL OPENINGS THROUGH FLOORS, WALLS, AND CEILINGS FOR DUCT, PIPE & ELECTRICAL RISERS AND ALL OPENINGS NOT SHOWN ON DRAWINGS.
 ALL OPENINGS THROUGH FIRE ASSEMBLIES ARE TO BE FIRE STOPPED AND SEALED WITH ULC APPROVED FIRE STOPPING TO MAINTAIN THE INTEGRITY OF THE FIRE SEPARATION, AND PROVIDE A SMOKE-TIGHT BARRIER.
 ALL PRODUCTS AND MATERIALS TO BE USED AND INSTALLED SHALL CONFORM WITH MANUFACTURER'S SPECIFICATIONS & APPLICABLE CODES.
 NEW DUCT SHALL BE CONSTRUCTED AS RECOMMENDED BY SMACNA.
 INSULATE EXISTING AND NEW CONDITIONAL AIR DUCT IN THE RENOVATED AREAS AS PER SPECIFICATIONS.
 THE CONTRACTOR SHALL BE RESPONSIBLE TO PATCH AND MAKE GOOD ALL EXISTING CONSTRUCTION AFFECTED BY THE REMOVAL OF ALL ITEMS FORMING THE PART OF THE RENOVATION WORK.
 PLUMBING INSTALLATION SHALL CONFORM TO NATIONAL PLUMBING CODE OF CANADA.
 INSULATE EXISTING AND NEW HOT, COLD AND RE-CIRCULATION PIPING IN THE RENOVATED AREAS AS PER SPECIFICATIONS.
 THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING RISERS, SWING JOINTS AND DEEP CUP ESCUTCHEONS AS REQUIRED.
 INSULATE EXISTING AND NEW DOMESTIC COLD AND HOT WATER LINE IN THE RENOVATION AREA AS PER SPECS.
 ELECTRICAL WIRING SHALL BE PERFORMED BY A QUALIFIED ELECTRICAL SUBTRADE.
 ASBESTOS IS KNOWN TO BE PRESENT IN SOME WALLS AND VINYL TILE FLOOR BENEATH CARPET. ABATEMENT TO PRECEDE START OF DEMOLITION. ASBESTOS MAY BE PRESENT IN OTHER AREAS. IF ASBESTOS OR ANY HAZARDOUS MATERIAL IS FOUND, STOP WORK IMMEDIATELY AND CONTACT CITY OF WINNIPEG, CENTRAL CONTROL, PH: 204-986-2351.

No.	REVISION/DESCRIPTION	BY	DATE
0	ISSUED FOR CONSTRUCTION	EAG	SEPT 12 2019



DRAWN	CHECKED	DESIGNED	APPROVED
DATE: 2019.09.12	USER APPROVAL		

THE CITY OF WINNIPEG
 PLANNING, PROPERTY AND
 DEVELOPMENT DEPARTMENT
 MUNICIPAL ACCOMMODATIONS DIVISION
 3-65 GARRY STREET, R3C 4K4

PROJECT
 PUBLIC WORKS SOUTH YARD
 INTERIOR RENOVATIONS

1539 WAVERLEY STREET BID OPP: 944-2019

SHEET TITLE
 KEY PLAN, MECHANICAL SYMBOLS
 AND SCHEDULES

SCALE	PROJECT No:	SHEET No:
AS SHOWN	2018-018	M1