ADDRESS: 510 KING ST. | PROJECT No: 2019-078 | SHEET TITLE: KEY PLAN, MECHANICAL SYMBOLS, DETAILS AND SCHEDULES | DATE: 2022.12.01 | FILE NAME: 2019078MV0.dwg

MECHANICAL LEGEND / SYMBOLS

	EXISTING CONSTRUCTION TO REMAIN
	TO BE DEMOLISHED
	NEW CONSTRUCTION
	DOMESTIC COLD WATER PIPING
	DOMESTIC HOT WATER PIPING
	DOMESTIC HOT WATER RETURN PIPING
V	VENT PIPING
SAN	SANITARY PIPING BELOW SLAB
	SHUT OFF VALVE
T	THERMOSTAT
	BALANCE DAMPER
	FLEXIBLE CONNECTION
FD	FIRE DAMPER
	EXTERNALLY INSULATED DUCTWORK
	SUPPLY AIR GRILLE
	RETURN AIR GRILLE
	SUPPLY AIR DUCT UP/DOWN
	RETURN AIR DUCT UP/DOWN
	EXHAUST AIR DUCT UP/DOWN
	ROUND DUCT UP/DOWN
	AIR TRANSFER ELBOW WITH ACOUSTIC INSULATION
#	PLUMBING FIXTURE DESIGNATION
# / #	EQUIPMENT DESIGNATION
A / - x - / CFM	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	GWB CEILING MOUNTED, SIZE 24" x 24", 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
						V/C/P	HP	
EF-5	GREENHECK	CUBE-130	ROOF EXHAUST FAN	1500	0.9	115/60/1	0.5	KITCHEN EXHAUST FAN

NOTES: INTERLOCK EF-5 WITH MAU-1

MAKE UP AIR SCHEDULE

TAG	MANUFACTURER	MODEL	AIR FLOW (CFM)	SP (in)	MAX (kW)	REMARKS
MAU-1	THERMOLEC	FER-12-20	600	0.3	20	C/W FILTER AND ELECTRONIC CONTROLLER BUILT-IN DAMPER, ELECTRONIC TEMPERATURE SENSOR

NOTES: INTERLOCK EF-5 WITH MAU-1

PLUMBING FIXTURE CONNECTION SIZES

TAG	SANITARY IN	DCW IN	DHW IN	TRAP IN
SINK	1.5	0.5	0.5	1.5

NORTH
KEY PLAN
SCALE: NTS

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 ONESELF 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.

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.

THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING RISERS, SWING JOINTS AND DEEP CUP ESCUTCHEONS AS REQUIRED.

ELECTRICAL WIRING SHALL BE PERFORMED BY A QUALIFIED ELECTRICAL SUBTRADE.

PROVIDE MILCOR ACCESS DOORS IN DRYWALL CEILINGS AND WALLS FOR ACCESS TO MECHANICAL EQUIPMENT. MINIMUM SIZE 24" X 18".

1 / M1 GOOSENECK ROOF PENETRATION DETAIL
SCALE: NTS

2 / M1 GREASE CENTRIFUGAL EXHAUST FAN DETAIL
SCALE: NTS

MECHANICAL DRAWING LIST

SHEET No:	SHEET TITLE
M1	KEY PLAN, MECHANICAL SYMBOLS, DETAILS AND SCHEDULES
M2	PARTIAL MAIN FLOOR PLAN - PLUMBING DEMOLITION AND RENOVATION
M3	PARTIAL MAIN FLOOR PLAN - HVAC DEMOLITION AND RENOVATION
M4	MECHANICAL SPECIFICATIONS

No.	REVISION/DESCRIPTION	BY	DATE
2	ISSUED FOR CONSTRUCTION	DRM	02.02.2024
1	ISSUED FOR CONSTRUCTION	PAS	JULY 04 2023
0	ISSUED FOR PRICING	EAG	FEB 07 2023

SEAL

PROVINCE OF MANITOBA
2024-02-02
X. WU
Member
2019-078
REGISTERED PROFESSIONAL ENGINEER

DRAWN	CHECKED	DESIGNED	APPROVED
DRM		XYW	

DATE 2022.12.01 USER APPROVAL

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

PROJECT
TURTLE ISLAND RECREATION CENTRE
KITCHEN RENOVATION
-
510 KING ST.

SHEET TITLE
KEYPLAN, MECHANICAL SYMBOLS, DETAILS AND SCHEDULES

SCALE	PROJECT No:	SHEET No:
AS SHOWN	2019-078	M1

DRAWING SHEET SIZE: A1 (841mm x 594mm) PLOT 1:1