



PARTIAL MAIN FLOOR PLAN - MECHANICAL DEMOLITION
SCALE: 1/8" = 1'-0"

FAN SCHEDULE								
TAG	MANUFACTURER	MODEL	TYPE	AIRFLOW CFM	SP IN	MOTOR		NOTES
						HP	BHP	
F-1*	GREENHECK	CUBE-220-20	CENTRIFUGAL	5600	0.6	2	1.5	BELT DRIVE UPBLAST ROOF EXHAUST
F-2*	GREENHECK	CUBE-220-20	CENTRIFUGAL	5600	0.6	2	1.5	BELT DRIVE UPBLAST ROOF EXHAUST
F-3	NEDERMAN	N24	CENTRIFUGAL	600	4.5	1		C/W MOUNTING BRACKET
F-4	NEDERMAN	N24	CENTRIFUGAL	600	4.5	1		C/W MOUNTING BRACKET
F-5	NEDERMAN	N24	CENTRIFUGAL	600	4.5	1		C/W MOUNTING BRACKET
F-6	NEDERMAN	N24	CENTRIFUGAL	600	4.5	1		C/W MOUNTING BRACKET
F-7	NEDERMAN	N24	CENTRIFUGAL	600	4.5	1		C/W MOUNTING BRACKET
F-8	NEDERMAN	N24	CENTRIFUGAL	600	4.5	1		C/W MOUNTING BRACKET

NOTES - ROOF EXHAUST FAN SHALL COME WITH ROOF CURB AND BACKDRAFT DAMPER.
 COOK PRODUCT IS AN APPROVED EQUAL TO SPECIFIED GREENHECK ROOF EXHAUST FAN.
 MONOXIGNET PRODUCT IS AN APPROVED EQUAL TO THE SPECIFIED NEDERMAN HOSE REEL EXHAUST FAN.

GAS FIRED UNIT HEATER SCHEDULE							
TAG	MANUFACTURER	MODEL	GAS HEATING		FAN SELECTION		REMARKS
			INPUT BTUH	OUTPUT BTUH	AIRFLOW CFM	MOTOR HP	
UH-01	REZNOR	UEAS-310	305,000	277,550	4,283	0.5	HIGH EFFICIENCY
UH-02	REZNOR	UEAS-310	305,000	277,550	4,283	0.5	HIGH EFFICIENCY
UH-03	REZNOR	UEAS-310	305,000	277,550	4,283	0.5	HIGH EFFICIENCY
UH-04	REZNOR	UEAS-310	305,000	277,550	4,283	0.5	HIGH EFFICIENCY
UH-05	REZNOR	UEAS-310	305,000	277,550	4,283	0.5	HIGH EFFICIENCY
UH-06	REZNOR	UEAS-310	305,000	277,550	4,283	0.5	HIGH EFFICIENCY

NOTES - UNIT HEATER ACCESSORIES INCLUDES:
 1. THERMOSTAT C/W GUARD
 2. COMBUSTION AIRVENT KIT INCLUDING CONCENTRIC ADAPTER

MECHANICAL DEMOLITION NOTES:

- 1 EXISTING GAS-FIRED RADIANT HEATER TO REMAIN.
- 2 EXISTING EXHAUST FAN TO REMAIN.
- 3 EXISTING EXHAUST DUCT TO REMAIN.
- 4 EXISTING EXHAUST DUCT VERTICAL BRANCHES TO REMAIN.
- 5 EXISTING ROOF EXHAUST FAN TO BE REMOVED. TEMPORARILY CAP OFF ROOF OPENINGS.

MECHANICAL LEGEND	
	EXISTING CONSTRUCTION TO REMAIN
	NEW CONSTRUCTION
	TO BE DEMOLISHED
	NATURAL GAS LINE
	GAS METER
	THERMOSTAT
	MOTORIZED DAMPER
	CO / NO _x SENSOR
	GATE VALVE
	GAS PRESSURE REGULATOR
	EXTERNALLY INSULATED DUCTWORK
	SUPPLY AIR DUCT UP/DOWN
	RETURN AIR DUCT UP/DOWN
	EQUIPMENT DESIGNATION



AREA OF WORK

NOTES:
 THESE DRAWINGS SHALL NOT BE SCALED.
 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 MECHANICAL AND ELECTRICAL 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.
 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.
 THE MECHANICAL CONTRACTOR SHALL ARRANGE WITH MANITOBA HYDRO GAS DIVISION FOR REVISION TO GAS SERVICE INCLUDING PRESSURE REGULATOR. THE COST OF THIS SERVICE SHALL BE INCLUDED IN THE COST OF THIS CONTRACT.
 VEHICLE EXHAUST FAN CONTROL:
 INDIVIDUAL EXHAUST FAN ON EXHAUST REELS SHALL BE ACTIVATED BY SPRING RECOIL REEL ACTIVATING THE DEDICATED VEHICLE EXHAUST FAN. AN ON/OFF SWITCH C/W FAN CONTACTOR AND A 24V TRANSFORMER. STARTS AND STOPS THE VEHICLE EXHAUST FAN WHEN THE HOSE COILS/UNCOILS.

THE EXISTING ROOF IS STILL UNDER WARRANTY. ALL ROOF WORK SHALL SUB-CONTRACTED TO OAKWOOD ROOF AND SHEET METAL CO. LTD.
 ASBESTOS IS KNOWN TO BE PRESENT IN EXTERIOR WALL. ABATEMENT TO PROCEED START OF DEMOLITION. ASBESTOS MAYBE PRESENT IN OTHER AREAS. IF ASBESTOS OR ANY HAZARDOUS MATERIAL IS FOUND, STOP WORK AND CONTACT CITY OF WINNIPEG, CENTRAL CONTROL, PH: 204-986-2351.

MECHANICAL DRAWING LIST	
SHEET No:	SHEET TITLE
M1	MECHANICAL DEMOLITION, KEY PLAN, MECHANICAL LEGEND AND SCHEDULES
M2	MECHANICAL RENOVATION
M3	MECHANICAL SPECIFICATIONS & DETAILS

No.	REVISION/DESCRIPTION	BY	DATE
1	ISSUED FOR ADDENDUM	EAG	JUNE 14 2021
0	ISSUED FOR CONSTRUCTION	EAG	JUNE 01 2021



DRAWN	EAG	CHECKED	XYW	DESIGNED	XYW	APPROVED	XYW
DATE	2020.06.12	USER APPROVAL					

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

PROJECT
 VEHICLE REPAIR SHOP
 VENTILATION SYSTEM UPGRADE

195 TECUMSEH ST.
 SHEET TITLE

PARTIAL MAIN FLOOR PLAN
 MECHANICAL DEMOLITION

SCALE	PROJECT No:	SHEET No:
AS SHOWN	2018-120	M1-R1