

2020047MWO.dwg FILE NAME: 2020-09-30 DATE: 2020-09-30 SHEET TITLE: KEY PLAN, MECHANICAL SYMBOLS, SCHEDULES AND PARTIAL MAIN FLOOR PLAN - MECHANICAL RENOVATION PROJECT No: 2020-047 ADDRESS: 2546 MC PHILLIPS ST.

SPLIT AIR CONDITIONING UNIT SCHEDULE								
TAG	DESCRIPTION	LOCATION	MANUFACTURER	MODEL	TOTAL AIRFLOW		TOTAL COOLING CAPACITY	
					CFM	L/S	MB	KW
AC-1	INDOOR AIR CONDITIONER	SEWING/REPAIR SHOP	DAIKIN	FTK24NMVJU	713	336	24	7
CU-1	CONDENSING UNIT	OUTDOOR WALL	DAIKIN	RK24NMVJU				

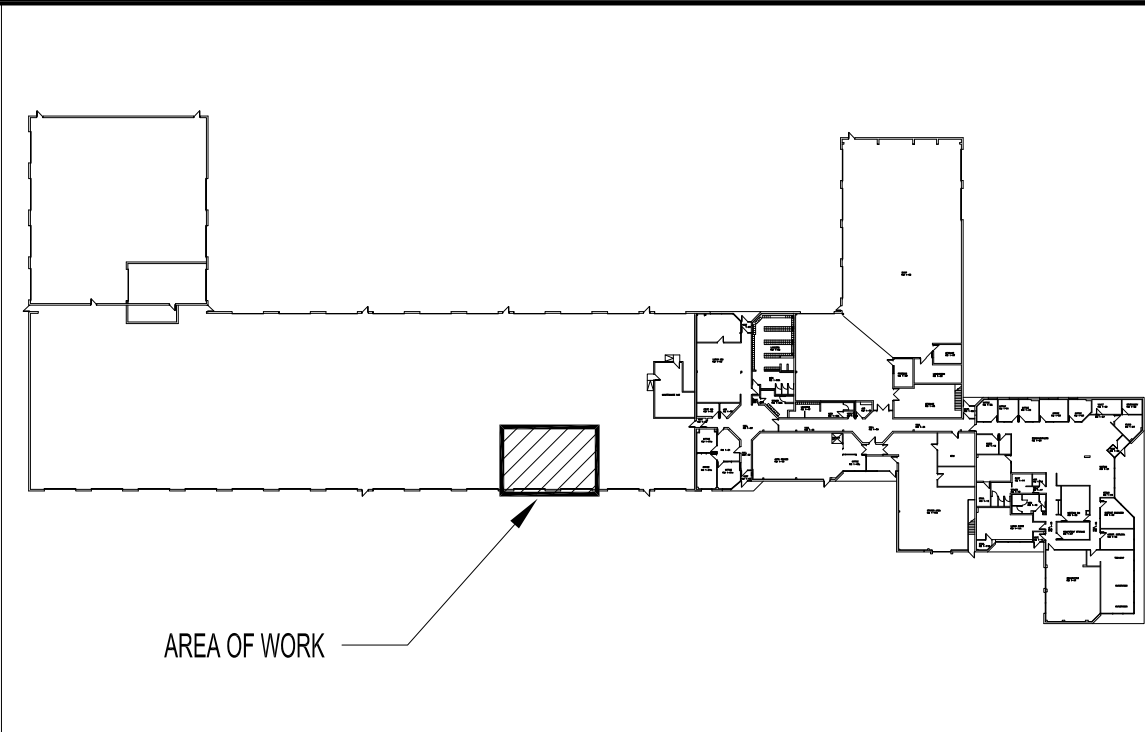
NOTE: R-410A REFRIGERANT, AND THE CONDENSING UNIT SUITABLE FOR -40°C OPERATION. MITSUBISHI IS APPROVED EQUAL.

FAN SCHEDULE								
TAG	MANUFACTURER	MODEL	TYPE	AIR FLOW CFM	SP in.	MOTOR		NOTE
						HP	BHP	
F-1	GREENHECK	BSQ-90	IN-LINE FAN	650	0.6	0.33	0.25	LAUNDRY ROOM EXHAUST FAN
F-2	GREENHECK	DS-6-8	CEILING FAN	8221	-	0.75	-	HIGH VOLUME, LOW SPEED CEILING FAN C/W FACTORY WIRED VFD, FIRE RELAY, HVLS STANDARD TOUCHSCREEN CONTROL, 972 SQ. FT. COVERAGE

GAS FIRED UNIT HEATER SCHEDULE					
TAG	MANUFACTURER	MODEL	GAS HEATING		FAN SELECTION
			INPUT BTUH	OUTPUT BTUH	
UH-1	REZNOR	UDAS-45	45,000	37,350	629 HP

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

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 MOUNTED, COLOUR B12
R-1	EGG CRATE CEILING RETURN	E.H. PRICE	80	REFER TO DRAWING FOR SIZE, COLOUR B12



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.

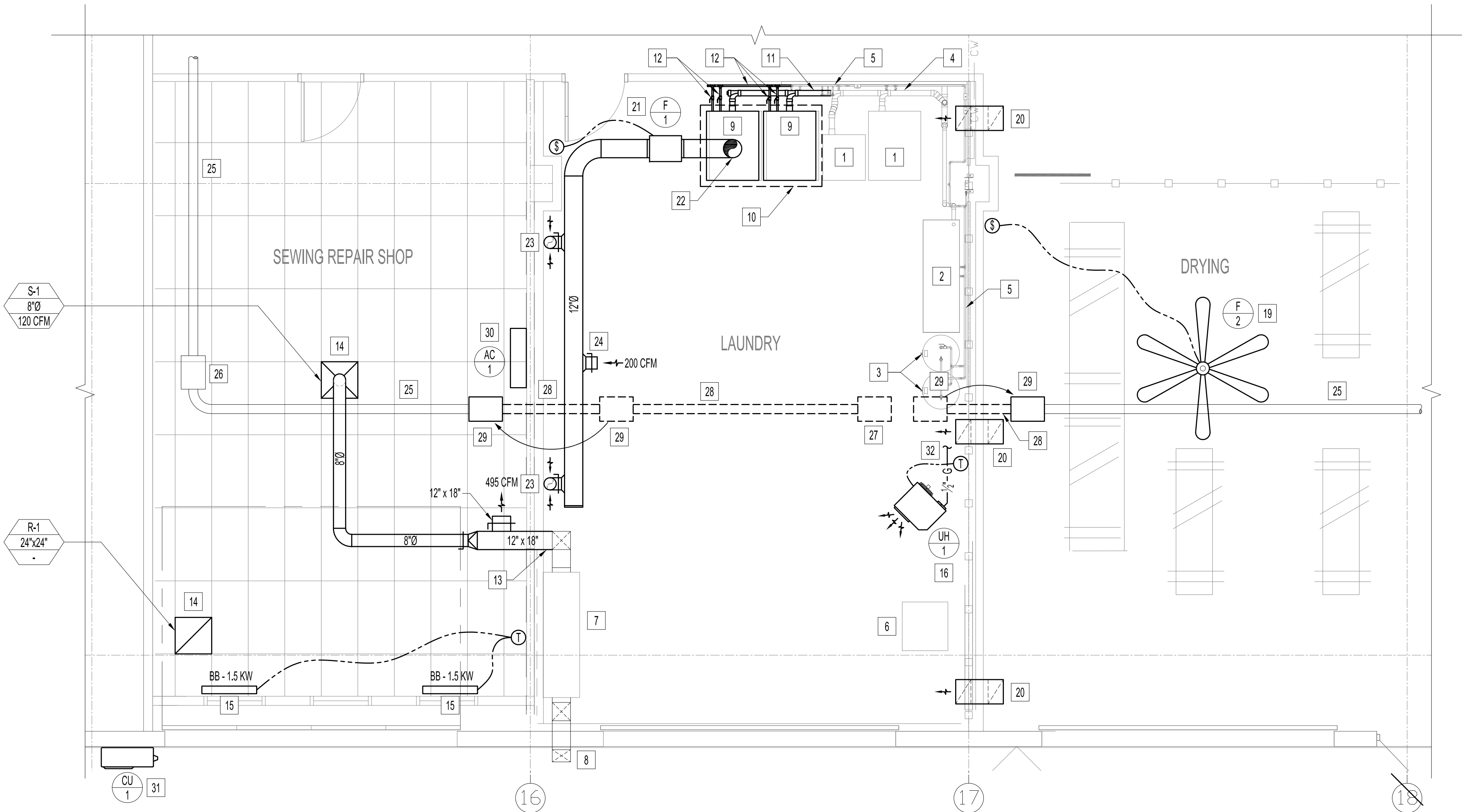
NEW DUCT SHALL BE CONSTRUCTED AS RECOMMENDED BY SMACNA.

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.

ELECTRICAL WIRING SHALL BE PERFORMED BY A QUALIFIED ELECTRICAL SUBTRADE.

MECHANICAL LEGEND	
	EXISTING CONSTRUCTION TO REMAIN
	TO BE DEMOLISHED / RELOCATED
	NEW CONSTRUCTION
	NATURAL GAS LINE
	THERMOSTAT
	FAN SWITCH
	BALANCE DAMPER
	SUPPLY AIR GRILLE
	RETURN AIR GRILLE
	SUPPLY AIR DUCT UP/DOWN
	RETURN AIR DUCT UP/DOWN
	EQUIPMENT DESIGNATION
	GRILLE TYPE (SEE GRILLE SCHEDULE)
	SIZE
	CFM / R/A

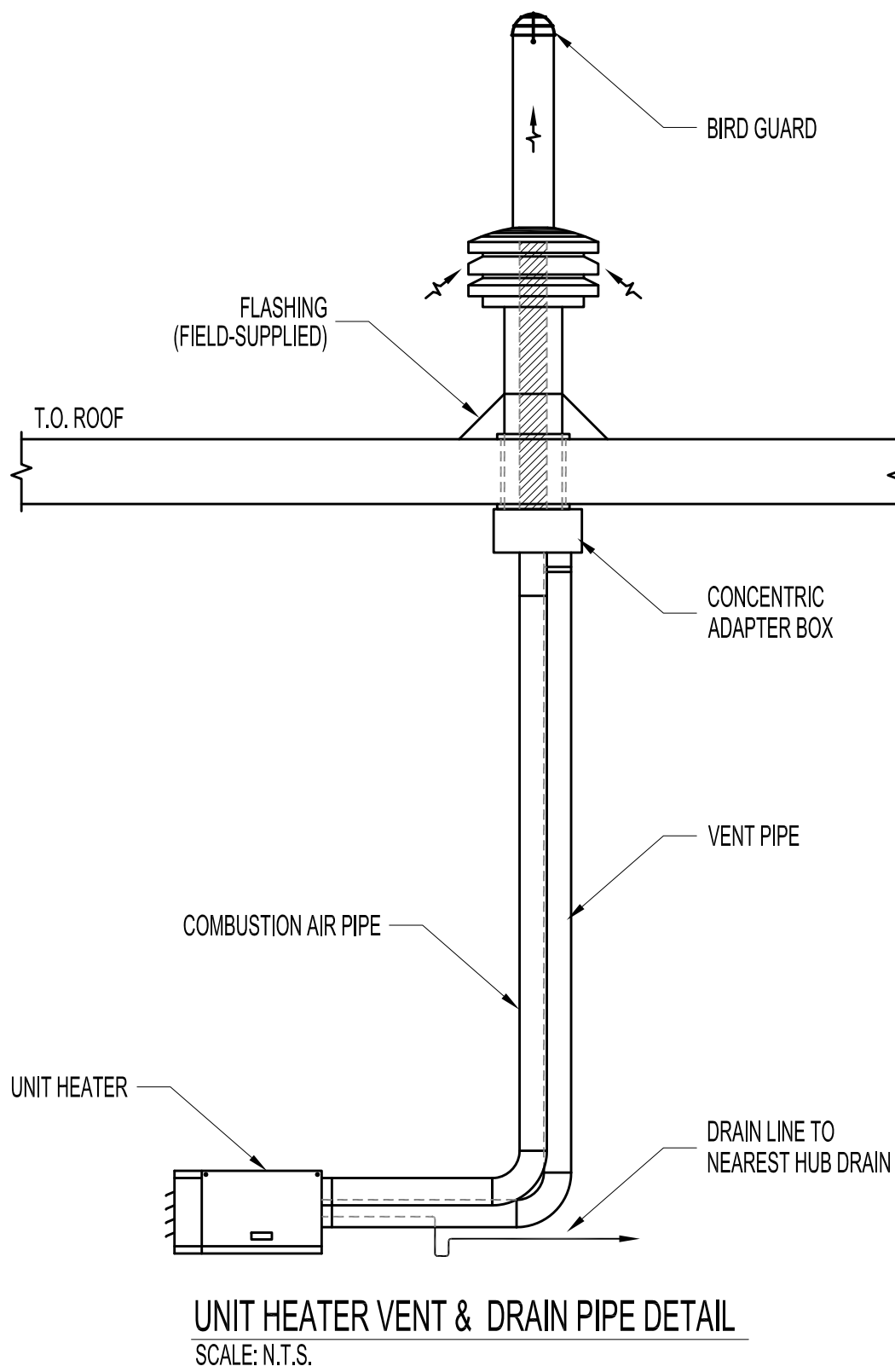
MECHANICAL DRAWING LIST	
SHEET No:	SHEET TITLE
M1	KEY PLAN, MECHANICAL SYMBOLS, SCHEDULES AND PARTIAL MAIN FLOOR PLAN - MECHANICAL RENOVATION



PARTIAL MAIN FLOOR PLAN - MECHANICAL RENOVATION  
SCALE: 1/4" = 1'-0"

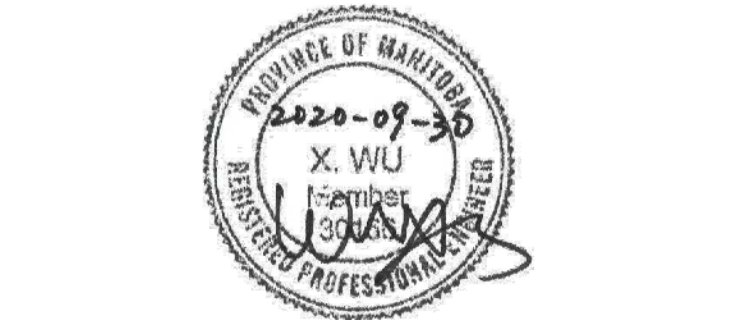
MECHANICAL RENOVATION NOTES:

- EXISTING WASHING MACHINE TO REMAIN.
- EXISTING SINK TO REMAIN.
- EXISTING HOT WATER TANK TO REMAIN.
- EXISTING 3" DRAIN LINE TO REMAIN.
- EXISTING HOT WATER AND COLD WATER LINE TO REMAIN.
- EXISTING DRYER TO REMAIN.
- EXISTING MAKE UP AIR UNIT TO REMAIN.
- EXISTING FRESH AIR INTAKE TO REMAIN.
- NEW WASHING MACHINE (PROVIDED BY OTHERS).
- NEW 8" CONCRETE SERVICE PAD.
- EXTEND EXISTING 3" DRAIN LINE AND CONNECT THE NEW WASHING MACHINE DRAIN (3"Ø) TO THE EXTENDED DRAIN LINE. MATCH EXISTING.
- PROVIDE & INSTALL 3/2" COLD & HOT WATER LINES TO THE NEW WASHING MACHINE C/W ISOLATION VALVE. EXTEND EXISTING HOT AND COLD WATER LINES AS REQUIRED.
- CAP OFF EXISTING DUCT OPENING AND EXTEND EXISTING 12"x18" SUPPLY AIR DUCT ABOVE THE SEWING/REPAIR SHOP CEILING.
- NEW SUPPLY AIR DIFFUSER AND RETURN GRILLE.
- NEW ELECTRIC BASEBOARD HEATER (1.5KW). SEE ELECTRICAL.
- NEW GAS FIRED UNIT HEATER SUSPENDED 9FT. ABOVE FLOOR.
- NEW SPLIT AIR CONDITIONER INDOOR UNIT INSTALLED AT HIGH LEVEL UNDER THE CEILING.
- NEW CONDENSING UNIT INSTALLED ON THE EXTERIOR WALL.
- NEW CEILING FAN SUSPENDED FROM ROOF STRUCTURE.
- NEW 16"x10" AIR TRANSFER ELBOW INSTALLED 9FT ABOVE FLOOR. PROVIDE & INSTALL METAL SCREEN ON BOTH SIDE OPENINGS.
- NEW EXHAUST FAN SUSPENDED FROM ROOF DECK STRUCTURE.
- NEW 12"Ø EXHAUST DUCT UP TO EXHAUST ROOF GOOSENECK, 24" ABOVE ROOF.
- NEW 8"Ø EXHAUST DUCT DOWN, EXHAUST OPENING C/W METAL SCREEN, 12" ABOVE FLOOR, 225 CFM.
- 8"Ø EXHAUST OPENING C/W METAL SCREEN AT HIGH LEVEL.
- EXISTING INFRARED HEATING PIPE TO REMAIN.
- EXISTING INFRARED HEATING BURNER TO REMAIN.
- REMOVE EXISTING HEATING BURNER AND TURN OVER TO CITY OF WINNIPEG FOR FUTURE USE.
- REMOVE EXISTING HEATING PIPES SECTIONS AS INDICATED. TURN OVER TO CITY OF WINNIPEG FOR FUTURE USE.
- RELOCATE EXISTING HEATING BURNERS AS INDICATED. MODIFY GAS PIPING TO SUIT NEW BURNER LOCATIONS.
- SPLIT AIR CONDITIONER INDOOR UNIT, INSTALLED ON THE WALL. PROVIDE AND INSTALL AC DRAIN, CONNECT TO EXISTING 3" DRAIN LINE IN THE LAUNDRY ROOM.
- SPLIT AIR CONDITIONER OUTDOOR UNIT, INSTALLED ON THE WALL. CONFIRM INSTALLATION HEIGHT ON SITE WITH CONTRACT ADMINISTRATOR.
- NEW 1/2" GAS LINE. TIE INTO THE EXISTING BUILDING GAS LINE AT HIGH LEVEL.



UNIT HEATER VENT & DRAIN PIPE DETAIL  
SCALE: N.T.S.

0	ISSUED FOR CONSTRUCTION	EAG	SEPT 30 2020
No.	REVISION/DESCRIPTION	BY	DATE



DRAWN	EAG	CHECKED	DESIGNED	XFW	APPROVED
DATE	2020.09.30	USER	APPROVAL		

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

LAUNDRY TURN-OUT

2546 MC PHILLIPS ST. BID OPP: 696-2020

KEY PLAN, MECHANICAL SYMBOLS, SCHEDULES & PARTIAL MAIN FLOOR PLAN MECHANICAL RENOVATION		
SCALE	PROJECT No:	SHEET No:
AS SHOWN	2020-047	M1

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