

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

PARTIAL MAIN FLOOR PLAN - MECHANICAL DEMOLITION NOTES:

- ① EXISTING DUCTWORK TO BE DEMOLISHED
- ② EXISTING SUPPLY/RETURN DUCTWORK TO REMAIN
- ③ EXISTING SANITARY DRAIN IN UPPER PARKADE
- ④ EXISTING SUPPLY GRILLE TO BE REMOVED
- ⑤ EXISTING LAVATORY TO BE REMOVED, CLEANED AND REINSTALLED IN NEW SECURITY ROOM AS PER RENOVATION PLAN. CAP OFF PLUMBING PIPING IN WALL/CEILING OR UNDERNEATH FLOOR. CONTRACTOR TO CONFIRM ON SITE
- ⑥ EXISTING 2" SANITARY DRAIN RISER TO BE RELOCATED TO ACCOMMODATE NEW WALL LOCATION. SEE RENOVATION PLAN
- ⑦ EXISTING EXHAUST DUCTWORK TO REMAIN
- ⑧ EXISTING PLUMBING LINES TO REMAIN
- ⑨ EXISTING VAV BOX TO REMAIN

MECHANICAL SYMBOLS	
	EXISTING CONSTRUCTION TO REMAIN
	TO BE DEMOLISHED
	NEW CONSTRUCTION
	NEW BALANCE DAMPER
	NEW FIRE DAMPER
	EXISTING SUPPLY AIR GRILLE TO BE REMOVED
	EXISTING RETURN AIR GRILLE TO BE REMOVED
	NEW SUPPLY AIR GRILLE
	NEW RETURN AIR GRILLE
	GRILLE TYPE (SEE GRILLE SCHEDULE) SIZE CFM / R/A
	EXISTING THERMOSTAT TO REMAIN
	NEW WET SPRINKLER PIPING
	NEW PENDENT SPRINKLER HEAD
	DOMESTIC COLD WATER PIPING
	DOMESTIC HOT WATER PIPING
	SANITARY DRAIN PIPING ABOVE SLAB
	SANITARY DRAIN PIPING BELOW SLAB
	VENT PIPING
	SHUT OFF VALVE
	NORMALLY CLOSED SHUT OFF VALVE
	FLOOR DRAIN
	CLEANOUT
	PLUMBING FIXTURE DESIGNATION

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 SYSTEMS.

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.

CLEAN ALL EXISTING DUCTWORK IN THE RENOVATED AREAS AS PER SPECIFICATION.

PLUMBING INSTALLATION SHALL CONFORM TO NATIONAL PLUMBING CODE OF CANADA.

INSULATE NEW HOT AND COLD PIPING IN THE RENOVATED AREAS AS PER SPECIFICATIONS.

ELECTRICAL WIRING SHALL BE PERFORMED BY A QUALIFIED ELECTRICAL SUBTRADE.

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

COMPLETE ALL WORK IN CONFORMANCE WITH THE REQUIREMENTS OF NFPA 13-2013 'STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS'.

SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR HYDRAULIC CALCULATION, PIPING LAYOUT AND SIZING ACCORDING TO THE CONTRACT DOCUMENTS. SUBMIT DESIGN TO THE CONTRACT ADMINISTRATOR FOR REVIEW AND COORDINATION. ANY MODIFICATION TO THE LAYOUT OF THE SPRINKLER MAINS MUST BE APPROVED BY THE CONTRACT ADMINISTRATOR.

EXISTING FIRE EXTINGUISHERS TO REMAIN.

GRADE ALL SPRINKLER PIPING TO ALLOW COMPLETE SYSTEM DRAINAGE.

COORDINATE THE LOCATIONS OF THE SPRINKLER HEADS WITH DIFFUSER, LIGHTS AND CEILING TRACKS. REFER TO REFLECTED CEILING PLAN. COORDINATE WITH ELECTRICAL, MECHANICAL, ARCHITECTURAL TRADES, AND OWNER'S REPRESENTATIVE.

THE SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CORING THAT IS REQUIRED TO RUN THE SPRINKLER PIPING.

THE SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR FIRE STOPPING ALL SPRINKLER PIPE PENETRATIONS THROUGH FIRE SEPARATIONS.

ALL AREA TO BE DESIGNED AS LIGHT HAZARD EXCEPT NOTED AS PER NFPA13 A5.2.

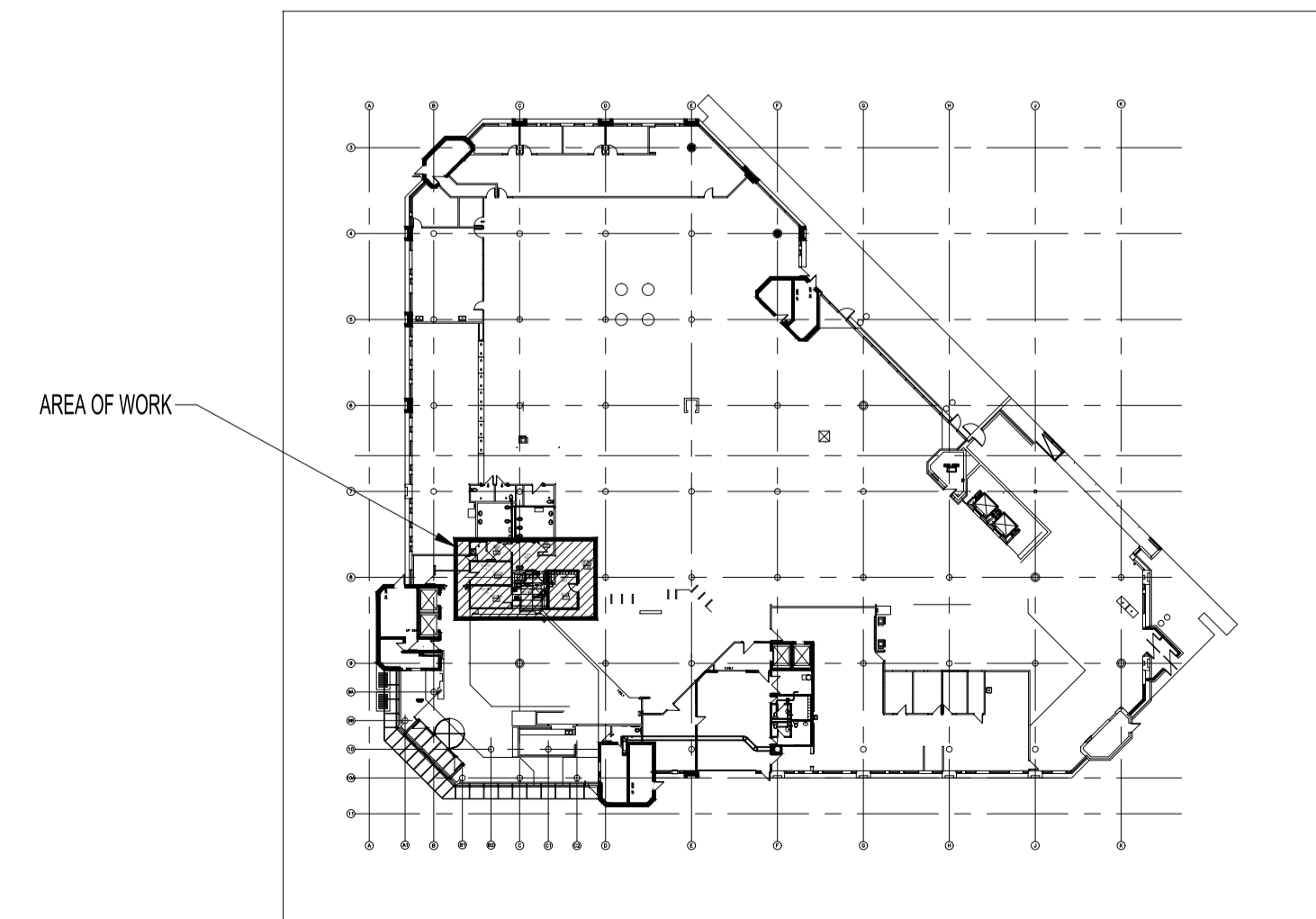
MECHANICAL ROOM, ELECTRICAL ROOM, AND STORAGE ROOM TO BE DESIGNED AS ORDINARY HAZARD GROUP 1.

GRILLE AND DIFFUSER SCHEDULE				
TAG	DESCRIPTION	MANUFACTURER	MODEL	REMARKS
S-1	ROUND CONE DIFFUSER	E.H. PRICE	RCD	SIZE REFER TO DRAWING, COLOUR B12
R-1	EGG CRATE CEILING RETURN	E.H. PRICE	80	REFER TO DRAWING FOR SIZE, COLOUR B12

PLUMBING FIXTURE CONNECTION SIZES				
TAG	SANITARY IN	DCW IN	DHW IN	TRAP IN
WC	3	0.5	-	INTERNAL
LAVATORY	1.5	0.5	0.5	1.5

DRAWING LIST	
SHEET No:	SHEET TITLE
M1	PARTIAL MAIN FLOOR MECHANICAL DEMOLITION PLAN, DRAWING LIST, SCHEDULES AND SYMBOLS
M2	PARTIAL MAIN FLOOR MECHANICAL RENOVATION PLAN
M3	PARTIAL MAIN FLOOR FIRE PROTECTION RENOVATION PLAN
M4	MECHANICAL SPECIFICATIONS

No.	REVISION/DESCRIPTION	BY	DATE
0	ISSUED FOR CONSTRUCTION	JAW	OCT 29 2018



KEY PLAN
SCALE: N.T.S.

SEAL

DRAWN	CHECKED	DESIGNED	APPROVED
JAW	JAW		
DATE: 2018.10.29	USER APPROVAL		

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

PROJECT
MILLENNIUM LIBRARY
UNIVERSAL TOILET ROOM DEVELOPMENT
251 DONALD STREET

SHEET TITLE
PARTIAL MAIN FLOOR
MECHANICAL DEMOLITION PLAN
DRAWING LIST, SCHEDULES AND SYMBOLS

SCALE	PROJECT No:	SHEET No:
AS SHOWN	2018-101	M1