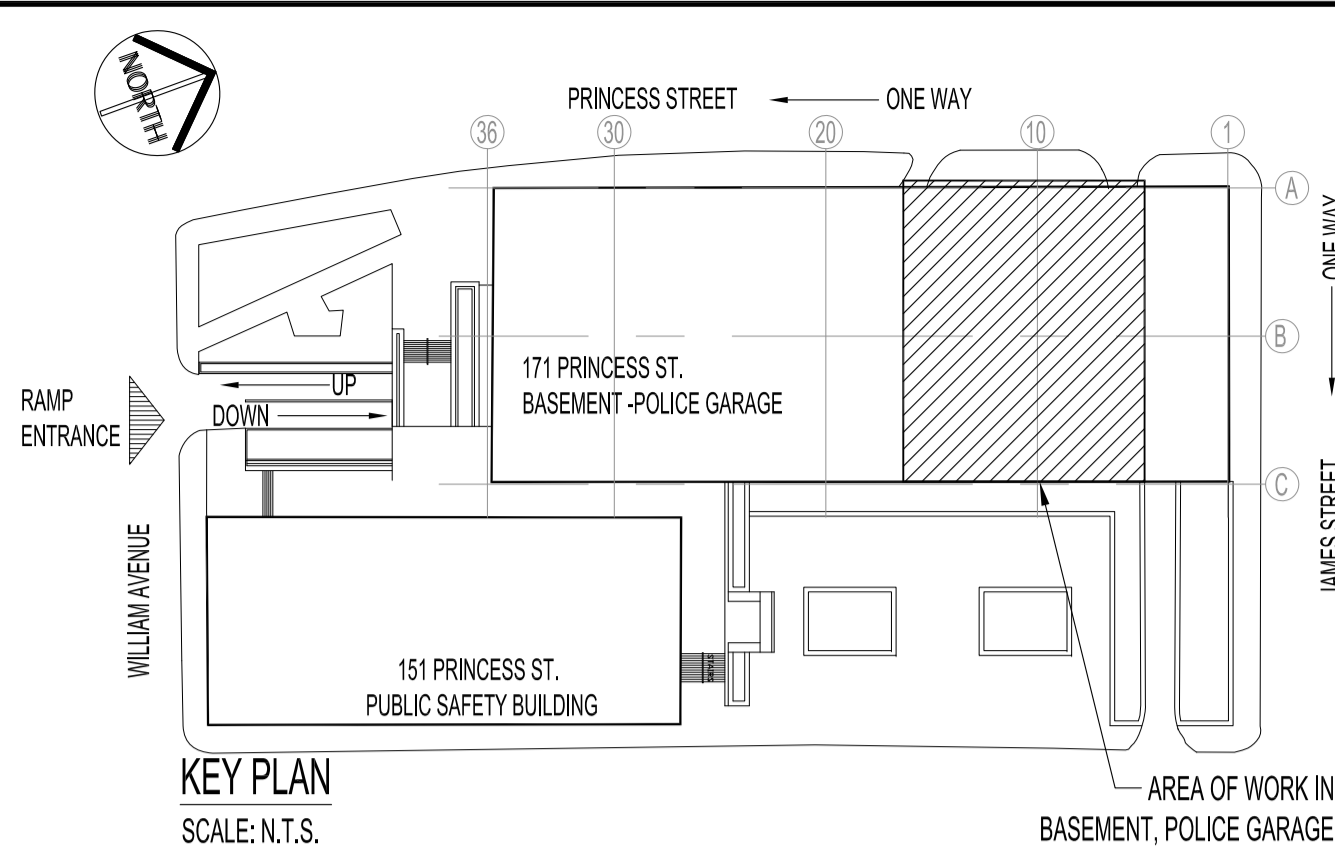


MECHANICAL DEMOLITION NOTES:
ALSO REFER TO MECHANICAL RENOVATION & ELECTRICAL DWGS. & NOTES.

- ① REMOVE & DISCARD (8) 8" X 8" CEILING DIFFUSERS, EXHAUST GRILLES, CONNECTED TAKE-OFFS & DUCT SECTIONS SHOWN DASHED.
- ② REMOVE & DISCARD FIRE DAMPER. REPAIR EXISTING CONCRETE BLOCK WALL, AS PER ARCHITECTURAL.
- ③ DISCONNECT, REMOVE, CLEAN & RELOCATE EXISTING FUME HOOD, CABINET, SECTION OF 10"Ø EXHAUST DUCT, TRANSITION & COLLAR. CONTRACTOR TO DISMANTLE FUME HOOD TO ACCESS & REPLACE HEPA FILTER (IF APPLICABLE), NEW HEPA FILTER TO SUIT. REASSEMBLE FUME HOOD TO PREVIOUS CONDITION. DISCONNECT AND RELOCATE EXISTING FUME HOOD SWITCH. SEE ELECTRICAL DWG.
- ④ REMOVE, DISCARD & REPLACE DAMAGED DUCTWORK SECTION. REPLACE DAMAGED DUCT HANGERS WITH NEW. INSPECT EXISTING FLEXIBLE CONNECTIONS AND DUCTWORK FROM OPEN END TO SPECIAL OPERATIONS AHU #1. REPLACE AS REQUIRED.
- ⑤ REMOVE & DISCARD EXISTING (2) 24" X 24" CEILING SUPPLY DIFFUSERS & CONNECTED DUCTWORK.
- ⑥ DISCONNECT, REMOVE & RELOCATE 'NIGHT SET BACK HEAT & HEAT & COOL' THERMOSTATS. REMOVE & DISCARD METAL CONDUITS, DEVICE BOXES & CONTROL WIRING BACK TO SPECIAL OPERATION AHU #1.
- ⑦ REMOVE & DISCARD ABOVE CEILING IN-WALL TRANSFER DUCT END CAPS & DUCT SECTION FLUSH TO WALL TO ACCOMMODATE RELOCATED FUME HOOD DUCTWORK & NEW 10"Ø DUCT EXTENSION. PREPARE EXISTING WALL OPENING FOR NEW WALL TRANSFER GRILLE.
- ⑧ REMOVE, CLEAN & RELOCATE (3) 8"X8" CEILING EXHAUST GRILLES TO NEW LOCATIONS.
- ⑨ REMOVE & DISCARD ABOVE CEILING IN-WALL TRANSFER DUCT END CAPS.
- ⑩ CONTRACTOR TO CHECK AND REPORT ON CONDITION OF ALL EXISTING FIRE DAMPER FUSIBLE LINKS ASSOCIATED WITHIN RENOVATION WORK AREA.
- ⑪ REMOVE & DISCARD SECTION OF CEILING CHAIN LINK BARRIER TO ACCOMMODATE RELOCATED 10" EXHAUST DUCT.
- ⑫ DISCONNECT, REMOVE, DISCARD & REPLACE EXHAUST FAN (F3), ISOLATOR MOUNTS, FLEXIBLE DUCT CONNECTORS & CEILING SUSPENSION RODS.
- ⑬ REMOVE & DISCARD 12"Ø DUCT, CONNECTED DUCTWORK & FIRE DAMPER.



DRAWING LIST

SHEET No:	SHEET TITLE
M1	PARTIAL BASEMENT FLOOR PLAN - MECHANICAL DEMOLITION
M2	PARTIAL BASEMENT & REFLECTED CEILING FLOOR PLAN - MECHANICAL RENOVATION
M3	PARTIAL BASEMENT FLOOR - PLUMBING DEMOLITION
M4	PARTIAL BASEMENT FLOOR - PLUMBING RENOVATION
M5	PARTIAL BASEMENT FLOOR - CEILING DRIP PAN SYSTEM RENOVATION
M6	PARTIAL BASEMENT & REFLECTED CEILING FLOOR PLAN - FIRE SPRINKLER DEMOLITION & RENOVATION
M7	MECHANICAL SPECIFICATIONS
M8	PLUMBING & FIRE SPRINKLER SPECIFICATIONS

MECHANICAL SYMBOLS
SUPPLY & INSTALL NEW UNLESS OTHERWISE NOTED

	LAVATORY
	INFLOOR DRAIN LINE
	COLD WATER (CW)
	HOT WATER (HW)
	PLUMBING VENT
	PLUMBING CLEANOUT
	WATER HAMMER SHOCK ABSORBER
	BALL LEVER SHUT-OFF VALVE
	WALL MOUNTED HYDRANT
	WYE
	TYPE OF GRILLE OR DIFFUSER SIZE IN INCHES CAPACITY IN CFM (EXH-EXHAUST) (RIA-RETURN AIR)
	SUPPLY AIR (REMOVE & DISCARD EXISTING)
	SUPPLY AIR (NEW)
	SUPPLY AIR (REMOVE & DISCARD)
	RETURN / EXHAUST AIR GRILLE (RELOCATE EXISTING)
	RETURN / EXHAUST AIR GRILLE (REMOVE & DISCARD)
	BALANCING DAMPER (NEW & EXISTING)
	FIRE DAMPER (EXISTING TO REMAIN)
	FIRE DAMPER (REMOVE & DISCARD)
	FIRE DAMPER (NEW)
	FLEXIBLE DUCT CONNECTOR (NEW)
	DUCT TRANSITION TO SUIT EXISTING & NEW DUCTWORK
	FLEX DUCT (SUPPLY & INSTALL THERMA FLEX MODEL S-TL)
	THERMOSTAT (RELOCATE EXISTING)
	CAP (NEW)
	CAP (REMOVE & DISCARD)
	RENOVATION WORK AREA

NOTES :
BID OPPORTUNITY No: 727-2010
THESE DRAWINGS SHALL NOT BE SCALED.

REFER TO BID OPPORTUNITY PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION.

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, STRUCTURAL DRAWINGS FOR LAYOUTS & ADDITIONAL OPENINGS THROUGH FLOORS, WALLS, AND CEILINGS FOR DUCT, PIPE & ELECTRICAL RISERS AND ALL OPENINGS NOT SHOWN ON DRAWINGS.

ALL PLUMBING PENETRATIONS THRU FLOORS SHALL HAVE THE PIPING IN CONTACT WITH THE WALL ABOVE OR BELOW, WHERE POSSIBLE.

SUPPLY & INSTALL 1" FIBREGLASS INSULATION AND COVERED WITH P.V.C. JACKET ON ALL EXPOSED EXISTING & NEW PLUMBING SUPPLY LINES C/W WATER IDENTIFICATION & FLOW DIRECTION TAGS ASSOCIATED WITH RENOVATION WORK.

CONTRACTOR TO VERIFY ALL EXISTING PLUMBING LINES ABOVE CEILING CAVITIES ARE LEAK FREE AND SHALL REPAIR AS REQUIRED.

ALL OPENINGS THROUGH FIRE ASSEMBLIES ARE TO BE FIRE STOPPED AND SEALED WITH U.L.C. 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.

ALL NEW HVAC DUCT CONSTRUCTION SHALL BE TO SMACNA STANDARDS.

CONTRACTOR TO REMOVE & DISCARD ALL REDUNDANT BRACKETS, CHAINS, HANGERS, SCREWS ETC. AND PATCH AND MAKE GOOD ALL EXISTING CONSTRUCTION AFFECTED BY THE REMOVAL OF ALL ITEMS FORMING THE PART OF THE RENOVATION WORK.

WHERE PAINTING OF EXISTING WALLS IS INDICATED ON THE ROOM SCHEDULE, THESE WALLS MUST BE CLEANED OF ANY EXISTING WALL COVERING, PATCHED & PREPARED TO ACCEPT NEW MATERIAL, UNLESS OTHERWISE NOTED.

ALL NEW DUCTWORK & PLUMBING PIPE RUNS TO BE INSTALLED ABOVE NEW ACOUSTIC CEILING TO ACCOMMODATE NEW CEILING DRIP PAN INSTALLATIONS.

LAYOUT SHOWN IS SCHEMATIC ONLY. LAYOUT MAY NOT REFLECT THE TRUE PLUMBING OR PIPE ROUTES. ALL ROUTINGS SHALL RUN PARALLEL OR PERPENDICULAR TO BUILDING LINES. GROUP SAME SERVICES, WHERE POSSIBLE, TO RUN PARALLEL OR PERPENDICULAR TO BUILDING LINES. ALL ROUTINGS SHALL RUN AS HIGH AS POSSIBLE AT THE BASEMENT CEILING LEVEL UNLESS OTHERWISE NOTED.

DO NOT PASS ROUTINGS THROUGH STRUCTURAL MEMBERS WITHOUT CONSULTING THE CONTRACT ADMINISTRATOR.

ALL FIXTURE SUPPLY & RETURN LINES SHALL HAVE BALL TYPE SHUT-OFF VALVES AT FIXTURES & TAKE-OFFS.

ALL DUCTWORK PENETRATING FIRE SEPARATIONS SHALL HAVE FIRE DAMPERS INSTALLED TO MEET THE APPLICABLE STANDARDS AND CODES. SEE ARCHITECTURAL DWG.

ALL NEW AND EXISTING DUCTWORK AFFECTED BY RENOVATION WORK SHALL BE INSULATED WITH 1 1/2" FORMALDEHYDE-FREE, FLEXIBLE GLASS FIBER BLANKET WITH ALUMINUM FOIL FACING. JOINS MANVILLE MICROLITE KG FORMALDEHYDE-FREE FIBER GLASS DUCT TAPE DUCT WRAP. BEFORE APPLYING DUCT WRAP SHEET METAL DUCTS SHALL BE CLEAN, DRY AND TIGHTLY SEALED AT ALL JOINTS AND SEAMS. CONTRACTOR TO FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS.

ALL NEW DOMESTIC HOT WATER SUPPLY LINES SHALL BE TIED INTO EXISTING HOT WATER RECIRCULATION LINE.

CAUTION:
EXISTING PLUMBING LINES & DUCTWORK MATERIAL IN WALL AND ABOVE CEILINGS MAY CONTAIN ASBESTOS. CONTRACTOR SHALL FOLLOW HAZARDOUS MATERIAL STANDARD PROCEDURES & CONTACT CITY OF WINNIPEG, CENTRAL CONTROL OFFICE AT 988-2551.

ORIGINAL STAMPED BY: D.A. PALEY, P.ENG
DATE: 2010.09.21

NO.	REVISION/DESCRIPTION	BY	DATE
SEALS			

DRAWN BY	RCP	CHECKED BY	APPROVED
DATE	2010.09.21	USER APPROVAL	

CITY OF WINNIPEG
PLANNING, PROPERTY AND
DEVELOPMENT DEPARTMENT
CIVIC ACCOMMODATIONS DIVISION
300 - 65 GARRY ST. R3C 4K4

PROJECT
PUBLIC SAFETY BUILDING
EXHIBIT PROCESSING AREA DEVELOPMENT

151 PRINCESS STREET
SHEET TITLE
PARTIAL BASEMENT FLOOR PLAN
MECHANICAL
DEMOLITION

SCALE	PROJECT NO.	SHEET NO.
AS SHOWN	2008-067	M1