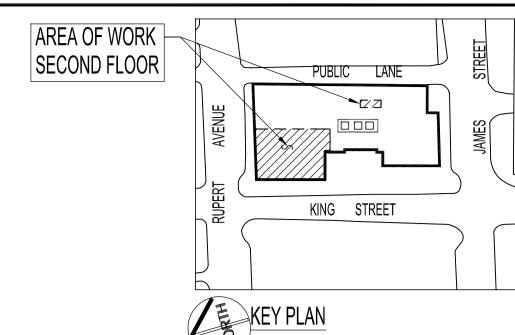


MECHANICAL SYMBOLS SUPPLY & INSTALL, UNLESS OTHERWISE NOTED		
	KITCHEN SINK	
cw	COLD WATER (CW)	
—— нw ——	HOT WATER (HW)	
HWR	HOT WATER RETURN (HWR)	
	PLUMBING VENT	
C.O.	PLUMBING CLEANOUT	
P	WATER HAMMER SHOCK ABSORBER	
<del>-</del> }	BALL LEVER SHUT-OFF VALVE	
XHHX	FLEX DUCT THERMO FLEX, MODEL S-TL	
Z2-T2	RELOCATE EXISTING ZONE TEMPERATURE SENSOR (TS) FOR METASYS ARE MONITORED BY CITY OF WINNIPEG CENTRAL CONTROL (PH:986-2351). CALL PRIOR TO RELOCATING Z2=ZONE 2, T2=T/S #2	
T-HPXX	HEAT PUMP THERMOSTAT: $T = THERMOSTAT$ , $HPXX = HEAT PUMP No$ .	
A 24"X24" 180	— TYPE OF GRILLE OR DIFFUSER — SIZE IN INCHES — CFM (EXHEXHAUST) (R/A-RETURN AIR)	

MECHANICAL SYMBOLS CON'T: RE-USE EXISTING WHERE POSSIBLE		
	SUPPLY AIR (EXISTING TO REMAIN)	
	SUPPLY AIR (REMOVED & RE-LOCATE)	
	SUPPLY AIR (NEW)	
	RETURN AIR GRILLE (NEW)	
	RETURN AIR GRILLE (EXISTING TO REMAIN)	
	RETURN AIR GRILLE (REMOVE & DISCARD)	
	BALANCING DAMPER (NEW & EXISTING)	
DF	DRINKING FOUNTAIN (EXISTING)	



DRAWING LIST		
SHEET No:	SHEET TITLE	
M1.2	PARTIAL SECOND FLOOR PLAN - MECHANICAL DEMOLITION	
M2.2	PARTIAL SECOND FLOOR PLAN - MECHANICAL RENOVATION ELEVATIONS & SCHEDULE	
M3.2	PARTIAL SECOND FLOOR PLAN - PLUMBING DEMOLITION & RENOVATION ELEVATIONS & SECTIONS	
M4.2	PARTIAL SECOND FLOOR PLAN - FIRE SPRINKLER DEMOLITION & RENOVATION	
M5.2	MECHANICAL, PLUMBING & FIRE SPRINKLER SPECIFICATIONS	

## **MECHANICAL DEMOLITION NOTES:**

ALSO SEE NOTES & MECHANICAL RENOVATION DWG. CONTRACTOR TO REMOVE ALL MECHANICAL EQUIPMENT, MATERIALS, ETC. THAT ARE INDICATED WITH A DASHED LINE. ALL REMOVED EQUIPMENT, MATERIALS, ETC. TO BE CLEANED AND RELOCATED OR RE-USED FOR NEW CONSTRUCTION WHERE POSSIBLE. MECHANICAL EQUIPMENT, MATERIALS NOT REQUIRED FOR RENOVATION WORK SHALL BE REMOVED & DISCARDED FROM SITE.

EXISTING TO REMAIN — — — — TO BE DEMOLISHED

- (1) EXISTING 24" X 24" CEILING DIFFUSER LOCATIONS TO REMAIN.
- (2) REMOVE & DISCARD CEILING RETURN AIR GRILLES.
- HEAT PUMPS (HP # 19, 20, 21, 22 & 26): INITIAL 4'-0" OF 18"X14" SUPPLY PLENUM DUCTWORK AFTER HEAT PUMP TO REMAIN. MODIFY EXISTING & SUPPLY & INSTALL RECTANGULAR TO ROUND TRANSITION & DUCTWORK AS SHOWN. CONTRACTOR TO CLEAN MAIN SUPPLY PLENUMS & TAKE-OFF BRANCHES NOT AFFECTED BY DEMOLITION WORK, CONTRACTOR TO REPLACE ALL HEAT PUMP AIR FILTERS WITH NEW PRIOR TO BALANCING SYSTEM. TEST & AIR BALANCE SYSTEM AS PER DIVISION 15.
- REMOVE & DISCARD SUPPLY PLENUMS, BRANCHES & TAKE-OFFS SHOWN DASHED.
- REMOVE & RELOCATE HEAT PUMP THERMOSTATS, T-HP19 & Z2-T2, T-HP20 & T-HP21. REMOVE WIRING AND CONDUIT (IF APPLICABLE) BACK TO SOURCE.
- 6 REMOVE & DISCARD FLEX DUCTWORK.
- 7 EXISTING RETURN AIR GRILLES TO REMAIN.
- RELOCATE EXISTING 6"X6" EXHAUST CEILING GRILLES. RELUCATE EXISTING 0 AO EATH 100. 02.2..........

  MODIFY EXISTING EXHAUST DUCTWORK TO ACCOMMODATE NEW GRILLE LOCATIONS.
- 9 WALLS ABOVE CEILING TILE. REPAIR WALL OPENINGS ON REMOVE & DISCARD ROOM TRANSFER DUCTS LOCATED IN BOTH SIDES AS PER ARCHITECTURAL DWG.
- MODIFY EXISTING HEAT PUMP #25, HP25, SUPPLY PLENUM TO ACCOMMODATE NEW 8"Ø SUPPLY BRANCH DUCTWORK. SEE MECHANICAL RENOVATION DWG.

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 ARCHITECTURAL, MECHANICAL AND

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

PROVIDE A SMOKE-TIGHT BARRIER. ALL PRODUCTS AND MATERIALS TO BE USED AND INSTALLED SHALL CONFORM WITH

MANUFACTURER'S SPECIFICATIONS & LATEST BUILDING CODES.

PUMP TO BE SUPPLIED BY CITY OF WINNIPEG.

DEMOLITION & RENOVATION WORK.

INSTALL NEW HEAT PUMP No. 27 TO MANUFACTURERS INSTALLATION INSTRUCTIONS. HEAT

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

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

ALL RENOVATED MECHANICAL EQUIPMENT, COMPONENTS AND ASSOCIATED DUCTWORK

SHALL BE REMOVED, CLEANED AND RETAINED ON SITE FOR NEW RENOVATION WORK PRIOR TO INSTALLATION UNLESS OTHERWISE NOTED, ALL MECHANICAL EQUIPMENT, COMPONENTS 8 DUCTWORK NOT USED FOR THIS RENOVATION WORK SHALL BE REMOVED FROM SITE. REMOVE & DISCARD ALL ABANDONED MECHANICAL EQUIPMENT & DUCTWORK SUPPORT HANGERS FROM CEILING SPACE OF RENOVATION WORK AREA.

ALL EXISTING & NEW DUCTWORK AS PER RENOVATION WORK AREA SHALL BE SEALED AIR TIGHT. CONTRACTOR TO VERIFY.

ALL NEW AND EXISTING MECHANICAL EQUIPMENT, DUCTWORK ETC, ASSOCIATED WITH RENOVATION WORK AREA TO BE CLEANED PRIOR TO START UP. CONTRACTOR TO INSPECT & CLEAN HEAT PUMPS (19, 20, 21, 22, 25 & 26) HEAT PUMP FANS & LUBRICATE FAN MOTORS, CHECK PULLEY SETTINGS & FAN SPEED ,ADJUST

INSPECT & CLEAN ALL EXISTING & NEW DUCTWORK OF ANY OBSTRUCTIONS, LEAKS & AIR FLOW RESTRICTIONS. ALL NEW SUPPLY PLENUMS & BRANCH DUCTWORK SHALL BE INSTALLED AS CLOSE TO CEILING AS POSSIBLE.

CONTRACTOR TO CO-ORDINATE MECHANICAL SYSTEMS EQUIPMENT, DISCONNECTIONS, SHUT DOWN & START UP WORK WITH CITY OF WINNIPEG, BUILDING SERVICES BRANCH PRIOR TO

DAMAGE TO EXISTING SYSTEMS, (EQUIPMENT, DUCTWORK, CONTROLS & ACCESSORIES TO BE DEMOLISHED OR REMAIN AS A RESULT OF THE CONTRACTORS WORK RE-USED IS THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AND/OR REPLACE WITH SIMILAR LIKE MATERIALS AT NO ADDITIONAL COST TO THE CITY OF WINNIPEG

ALL NEW, EXISTING & RELOCATED SUPPLY DUCTS SHALL BE INSULATED ON THE OUTSIDE WITH AN 1-1/2" THICK (MIN.) FORMALDEHYDE-FREE, FLEXIBLE GLASS FIBER BLANKET WITH ALUMINUM FOIL FACING. JOHNS MANVILLE MICROLITE XG FORMALDEHYDE-FREE FIBER GLAS DUCT WRAP. BEFORE APPLYING DUCT WRAP, SHEET METAL DUCTS SHALL BE CLEAN, DRY A TIGHTLY SEALED AT ALL JOINTS AND SEAMS. MANUFACTURERS INSTALLATION INSTRUCTIONS SHALL ALSO BE FOLLOWED. SUPPLY & INSTALL NEW GROMMETS AT VOLUME DAMPER RODS TO ALL NEW, EXISTING & RELOCATED ASSOCIATED WITH RENOVATION WORK AREA. INSTALL TO SILENCE OR ELIMINATE AIR LEAKAGE NOISE.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE & REPLACE EXISTING CEILING SYSTEM UNLESS OTHERWISE NOTED ON THE ARCHITECTURAL DWG. THE EXISTING CEILING FOR RE-INSTALLATION IS THE REASONABILITY OF THE CONTRACTOR. THE STORAGE OF ALL MATERIAL SHALL BE IN LOCATIONS APPROVED BY THE CITY OF WINNIPEG. CEILING SYSTEM SHALL MATCH ORIGINAL INSTALLATION. ANY COMPONENTS DAMAGED DURING DEMOLITION, RENOVATION, STORAGE OR RE-INSTALLATION WORK SHALL BE REPLACED WITH NEW AT NEW ADDITIONAL COST TO THE CITY OF WINNIPEG.

ASBESTOS MATERIALS MAY BE PRESENT IN CEILING & WALL CAVITIES. CONTRACTOR SHALL FOLLOW HAZARDOUS MATERIAL STANDARD PROCEDURES & CONTACT CITY OF WINNIPEG, CENTRAL CONTROL OFFICE AT 986-2351.

REVISION/DESCRIPTION **SEALS** 

ORIGINAL STAMPED BY: D.A.PALEY, P.ENG DATE: 2009.12.29

DRAWN BY RCP CHECKED BY APPROVED 2009.12.24 USER APPROVAL

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

**PROJECT** 

MANDARIN BUILDING WFPS RELOCATION TO SECOND FLOOR

185 KING STREET

SHEET TITLE

PARTIAL SECOND FLOOR PLAN MECHANICAL DEMOLITION

PROJECT NO. SHEET NO. 2008-059-03 AS SHOWN

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