



NOTES :

THESE DRAWINGS SHALL NOT BE SCALED.

THE SUB-CONTRACTOR SHALL VISIT THE SITE AND SATISFY ONESELF ALL DIMENSIONS, DATUM, AND DETAILED INFORMATION SHOWN ARE CORRECT.

THE SUB-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.

THE SUB-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.

WHERE NEW FLOORING AND BASE IS TO BE INSTALLED IN EXISTING AREAS (REFER TO FLOOR PLAN AND ROOM SCHEDULE) THE EXISTING FLOORING SURFACE AND BASE MUST BE REMOVED, UNLESS OTHERWISE NOTED. ALL FLOOR SURFACES SHALL BE PREPARED IN ACCORDANCE TO MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION OF NEW FLOOR.

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.

SECOND FLOOR PLAN - MECHANICAL RENOVATION
SCALE: 1/8"=1'-0"

ORIGINAL STAMPED BY: D. PALEY, P.ENG
DATE: 2005.05.21

MECHANICAL RENOVATION NOTES:

ALSO REFER TO MECHANICAL & PLUMBING SPECIFICATION DRAWING.

- 1 LINEAR SLOT DIFFUSERS (SEE GRILLE SCHEDULE) TO BE CONTINUOUS PERIMETER OFFSET 4" AROUND DROPPED CEILING. SEE ARCHITECTURAL REFLECTIVE CEILING PLAN. SUPPLY AIR DIFFUSERS WITH PLENUMS ARE TO BE ON THE NORTH SIDE (3) AND SOUTH SIDE (3) PER CONFERENCE ROOM. THE EAST AND WEST SIDES LINEAR SLOT DIFFUSERS ARE USE AS RETURN GRILLES AND DO NOT HAVE PLENUMS. REMAINING LENGTHS OF DIFFUSERS ARE TO BE BLANKED OFF WITH MANUFACTURER'S METAL BLANK-OFF. THE CEILING SPACE IS THE RETURN AIR SYSTEM.
- 2 ALL MIXING BOX DISCHARGE DUCTS, CONNECTED SUPPLY DUCTS INCLUDING EXISTING DUCTS TO UNDERSIDE OF 3RD FLOOR SHALL BE INSULATED ON THE OUTSIDE WITH AN 1-1/2" THICK FORMALDEHYDE-FREE, FLEXIBLE GLASS FIBER BLANKET WITH ALUMINUM FOIL FACING. JOHNS MANVILLE MICROLITE XG FORMALDEHYDE-FREE FIBER GLASS DUCT WRAP. BEFORE APPLYING DUCT WRAP, SHEET METAL DUCTS SHALL BE CLEAN, DRY AND TIGHTLY SEALED AT ALL JOINTS AND SEAMS. MANUFACTURERS INSTALLATION INSTRUCTIONS SHALL ALSO BE FOLLOWED.
- 3 ALL EXISTING AND NEW STEAM PIPING. ALL PUMPED CONDENSATE PIPING, ALL HOT WATER SUPPLY AND RETURN PIPING INCLUDING RUNOUTS, BRANCH STUBS, ETC. SHALL BE INSULATED WITH JOHNS MANVILLE 1" THICK MICRO-LOK FIBER GLASS INSULATION. ALL INSULATION ON PIPING SHALL BE APPLIED OVER CLEAN AND DRY AND OIL FREE SURFACES. MANUFACTURERS INSTALLATION INSTRUCTIONS SHALL ALSO BE FOLLOWED.
- 4 ALL EXISTING FIN-TUBE RADIATION ELEMENTS BENEATH WINDOWS AND IN WALLS SHALL BE VACUUMED FOR DROP DEBRIS, CLEANED AND COMBED.
- 5 RELOCATED MIXING BOXES FROM DEMOLITION INCLUDE M-207, M-209, M-210, M-211, M-212, M-213, M-214, M-217 & M-218. THESE RELOCATED MIXING BOXES SHALL BE CONFIGURED WITH NEW INSULATED DUCTS, VOLUME DAMPERS AND GRILLES AS SHOWN. MIXING BOXES M-208 AND M-361 DO NOT NECESSARILY REQUIRE RELOCATION, BUT REQUIRE NEW INSULATED DUCTS, VOLUME DAMPERS AND GRILLES AS SHOWN. THE NEW LOCATION OF THE MIXING BOXES SHALL BE 12 FEET MINIMUM FROM THE FLOOR TO THE UNDERSIDE OF THE LOWEST PART OF THE MIXING BOX OR INSULATED DUCTS.

- 6 NEW EXHAUST DUCT TO BE CONNECTED TO PARTIAL EXISTING EXHAUST DUCTS. SUPPLY & INSTALL NEW DUCTS, GRILLES AND FIRE DAMPERS AS SHOWN.
- 7 SUPPLY & INSTALL RETURN GRILLES.
- 8 SUPPLY & REPLACE EXISTING THERMOSTATS AND RELOCATE IF INDICATED.
- 9 SUPPLY & INSTALL FIRE DAMPER.

MECHANICAL SYMBOLS

- EXISTING
- - - TO BE DEMOLISHED
- BALANCE DAMPER (SUPPLY & INSTALL)
- FDH FIRE DAMPER (SUPPLY & INSTALL)
- STATIC CURTAIN 1-1/2HOUR HORIZONTAL FUSIBLE LINK: UL LISTED 165 DEG. F NCA MODEL FD-HB
- ⊗ SUPPLY DUCT (SUPPLY & INSTALL)
- ▭ RETURN DUCT (SUPPLY & INSTALL)
- ~~~~ FLEX DUCT (SUPPLY & INSTALL)
- GRILL TYPE (SEE GRILLE SCHEDULE)
- SIZE CFM
- T THERMOSTAT (SUPPLY & INSTALL)
- PNEUMATIC DIRECT ACTING HONEYWELL TP970A 2020-4 WITH WALL PLATE ADAPTER KIT 1400-3192-001.
- M-XXX MIXING BOX (EXISTING)

NEW GRILLE SCHEDULE			
TYPE	QTY	DESCRIPTION	MANUFACTURER
A	30	LINEAR SLOT DIFFUSER TO FORM AN ENCLOSED RECTANGULAR OFFSET OF DROP CEILING. 2-SLOT DIFFUSER 60" LONG WITH MITERED CORNER MODULE. FOR SUSPENDED CEILING. COLOUR TO BE SIMULATED ANODIZED TO MATCH LIGHT BRONZE.	E.H. PRICE 60" / SDS100 / 2 / 9B / MC90 /
B	18	INSULATED LINEAR SLOT PLENUM TO SUIT ABOVE LINEAR SLOT DIFFUSER	E.H. PRICE 60" / SDB100 / 2 / 14 / 8"
C	14	SQUARE PLAQUE DIFFUSER, 24" x 24" x 8" INLET. COLOUR WHITE POWDER COAT	E.H. PRICE 8" / 24"x24" / SPD / B12
D	4	SQUARE PLAQUE DIFFUSER WITH PANEL, 12" x 12" x 6" INLET. COLOUR WHITE POWDER COAT	E.H. PRICE 6" / 12"x 12" / SPD/P / B12
E	4	LOUVERED FACE RETURN, 12"x6", EXTRUDED ALUMINIUM	E.H. PRICE 12"x6" / 70 / F / IL / A / EXTRU. ALUM.
F	1	LOUVERED FACE RETURN, 10"x8", EXTRUDED ALUMINIUM	E.H. PRICE 10"x8" / 70 / F / IL / A / EXTRU. ALUM.
G	3	LOUVERED FACE RETURN, 6"x6", EXTRUDED ALUMINIUM	E.H. PRICE 6"x6" / 70 / F / IL / A / EXTRU. ALUM.
H	7	EGG CRATE FACE RETURN, 24"x48" COLOUR WHITE POWDER COAT	E.H. PRICE 24"x48" / 81 / TSF / B12

NEW GRILLE SCHEDULE QUANTITIES SHOWN ABOVE ARE FOR REFERENCE ONLY. SUB-CONTRACTOR IS RESPONSIBLE FOR QUANTITY TAKE-OFF FROM DRAWING.

NO.	REVISION/DESCRIPTION	BY	DATE
SEALS			

DRAWN BY	CHECKED BY	APPROVED
RCB/DTA	USER APPROVAL	

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

PROJECT
ADMINISTRATION BUILDING
2nd FLOOR RENOVATIONS
CONFERENCE ROOM RENOVATIONS
510 MAIN STREET

SHEET TITLE
SECOND FLOOR PLAN
MECHANICAL RENOVATION

SCALE	PROJECT NO.	SHEET NO.
AS SHOWN	2004-180	M2