



**FLOOR PLAN - MECHANICAL DEMOLITION**  
 SCALE: 1/8" = 1'-0"

**FLOOR PLAN - MECHANICAL DEMOLITION NOTES:**

- ① EXISTING DUCTWORK TO BE DEMOLISHED. TEMPORARILY CAP OFF DUCT OPENING
- ② EXISTING SUPPLY/RETURN DUCTWORK TO REMAIN
- ③ EXISTING SANITARY DRAIN TO REMAIN - BOTH ABOVE AND BELOW FLOOR SLAB
- ④ EXISTING SUPPLY GRILLE TO BE REMOVED, CAP OFF DUCT OPENING
- ⑤ EXISTING THERMOSTAT TO REMAIN

**DRAWING LIST**

SHEET No:	SHEET TITLE
M1	MECHANICAL DEMOLITION PLAN
M2	MECHANICAL RENOVATION PLAN
M3	FIRE PROTECTION RENOVATION PLAN
M4	MECHANICAL SPECIFICATIONS

**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
SINK	1.5	0.5	0.5	1.5
MOP SINK	3	1.5	0.75	3

**TERMINAL UNIT SCHEDULE**

TAG	DESCRIPTION	MANUFACTURER	MODEL	SIZE	DESIGN AIR FLOW RATE		LOCATION
					MIN. CFM	MAX. CFM	
BP-1	SINGLE DUCT TERMINAL UNIT	E.H. PRICE	LGB	10	-	740	-
BP-2	SINGLE DUCT TERMINAL UNIT	E.H. PRICE	LGB	8	-	420	-

NOTES:  
 1. ALL BY-PASS TERMINAL BOXES ARE BASED ON E.H. PRICE PRODUCTS  
 2. DDC CONTROL, 1 METER ATTENUATOR

ACCEPTABLE MANUFACTURER E.H. PRICE, NAILOR

**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

ACCEPTABLE MANUFACTURER E.H. PRICE, NAILOR

**FAN SCHEDULE**

TAG	MANUFACTURER	MODEL	TYPE	AIRFLOW CFM	SP IN.	MOTOR BHP.	NOTE
F-1	GREENHECK	SQ-90-D	IN-LINE	300	0.5	0.06	EXHAUST FAN

ACCEPTABLE MANUFACTURER GREENHECK, LOREN COOK

**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 DDC THERMOSTAT
- ⊠ NEW SINGLE DUCT TERMINAL BYPASS UNIT C/W ATTENUATOR
- ⊠ AIR TRANSFER ELBOW WITH ACOUSTIC LINER
- ⊠ EQUIPMENT DESIGNATION
- SP — NEW WET SPRINKLER PIPING
- ⊠ NEW PENDENT SPRINKLER HEAD
- ⊠ BACKDRAFT DAMPER
- BDD — DOMESTIC COLD WATER PIPING
- — DOMESTIC HOT WATER PIPING
- SAN — SANITARY DRAIN PIPING ABOVE SLAB
- SAN — SANITARY DRAIN PIPING BELOW SLAB
- V — 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 SYSTEM.  
 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 RENOVATION 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 ENGINEER FOR REVIEW AND COORDINATION. ANY MODIFICATION TO THE LAYOUT OF THE SPRINKLER MAINS MUST BE APPROVED BY THE MECHANICAL ENGINEER.  
 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 AS.2.  
 MECHANICAL ROOM, ELECTRICAL ROOM AND STORAGE ROOM TO BE DESIGNED AS ORDINARY HAZARD GROUP 1.

No.	REVISION/DESCRIPTION	BY	DATE
2	ISSUED FOR ADDENDUM #2	MMK/JAW	DEC 7 2016
0	ISSUED FOR CONSTRUCTION	JAW	NOV 28 2016



DRAWN	CHECKED	DESIGNED	APPROVED
JAW	JAW	JAW	JAW

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

PROJECT  
 AQUATIC HALL OF FAME MUSEUM  
 ROYAL GALLERY SPACE RESTORATION

25 POSEIDON BAY  
 SHEET TITLE  
 MECHANICAL DEMOLITION PLAN

SCALE	PROJECT No:	SHEET No:
AS SHOWN	2014-148	M1R2

BID OPP # 936-2016  
 DRAWING SHEET SIZE: A1 (841mm x 594mm) PLOT 1:1