



1 MAIN PLAN - PLUMBING & HVAC
 M1.1 SCALE: 1:100

GENERAL NOTES:

- THIS DRAWING IS DIAGRAMMATIC ONLY. DO NOT SCALE DRAWING. CONTRACTOR TO DETERMINE EXACT LOCATIONS AND SIZES ON SITE PRIOR TO BID.
- EXISTING CONTROL SYSTEM CONSISTS OF A JOHNSON CONTROL SYSTEM WITH DX9100 CONTROLLER. APPROXIMATE CONTROLLER LOCATION IS WITHIN THE BASEMENT ELECTRICAL ROOM. CONTRACTOR TO CONFIRM EXACT EQUIPMENT TYPE AND LOCATION ON SITE PRIOR TO BID.

DRAWING NOTES:

- ENTRANCE HEATER BY ELECTRICAL.
- RISER FOR ROOF DRAIN. REFER TO ARCHITECTURAL FOR THE EXACT LOCATION OF ROOF DRAIN.
- RAIN WATER LEADER AT APPROXIMATELY THIS LOCATION. COORDINATE EXACT LOCATION ON SITE AND WITH ARCHITECTURAL.
- F-1 LOCATED AT HIGH LEVEL AND TO BE SUSPENDED FROM STRUCTURE WITH SPRING ISOLATORS.
- EXHAUST DUCT TO RUN AT HIGH LEVEL WITHIN CEILING SPACE.
- NEW 100# RAIN WATER LEADER TO DROP DOWN TO BASEMENT WITHIN FIRST AID ROOM. REFER TO ARCHITECTURAL FOR EXACT LOCATION.
- RAIN WATER LEADER DOWN TO SPLASH PAD AT GRADE. EXACT ROUTING AND LOCATION BY ARCHITECTURAL.
- NEW BASEBOARD HEATER BY ELECTRICAL.
- NEW 5LB ABC FIRE EXTINGUISHER COMPLETE WITH MOUNTING BRACKET AT APPROXIMATELY THIS LOCATION.
- SUPPLY DIFFUSER COMPLETE WITH BALANCING DAMPER.

GRILLE, DIFFUSER & LOUVER SCHEDULE

TYPE	SERVICE	MAKE	MODEL	BORDER	CORE	BLADE	FRAME	FASTEN	FINISH	REMARKS
A	RETURN AIR	PRICE	80	TB	---	---	---	---	B12	REFER TO MECHANICAL DRAWINGS FOR SIZES AND LOCATIONS. FINAL COLORS AND FINISHES BY ARCHITECTURAL. PLEASE NOTE B12 IS FACTORY WHITE POWDER COAT.
B	TRANSFER AIR	PRICE	LBPH5A	1000	---	-	-	A	B12	REFER TO MECHANICAL DRAWINGS FOR SIZES AND LOCATIONS. FINAL COLORS AND FINISHES BY ARCHITECTURAL. PLEASE NOTE B12 IS FACTORY WHITE POWDER COAT.
C	TRANSFER AIR	PRICE	510	F	---	L	D	A	B12	REFER TO MECHANICAL DRAWINGS FOR SIZES AND LOCATIONS. FINAL COLORS AND FINISHES BY ARCHITECTURAL. PLEASE NOTE B12 IS FACTORY WHITE POWDER COAT.

FAN SCHEDULE

NO.	LOCATION	MAKE	MODEL	FAN TYPE	AIRFLOW CFM (l/s)	EXTERNAL STATIC PRESS. IN. H ₂ O (pa)	SPEED RPM	UNIT WEIGHT W/O ACCESS. LBS (kg)	CONTROLS			HP (kw)	REMARKS
									INTERLOCK				
									SUPPLY	INSTALL	WITH		
F-1	REFER TO M1.1	GREENHECK	BSQ-80-4	INLINE CENTRIFUGAL	275 (130)	0.5 (125)	1282	80 (36)	MECHANICAL	MECHANICAL	DDC	1/4 (0.25)	CONNECT TO BUILDING BDC. REFER TO SEQUENCE OF OPERATION. CONTRACTOR TO SITE VERIFY LOCATION OF NEAREST CONTROLLER AND ALLOW FOR EXPANSION INCLUDING POWER AS REQUIRED.

PLUMBING SPECIFICATIONS

- FD-1** FLOOR DRAINS - AREA WELL DRAINS
 JAY R. SMITH #6040 SPECIAL PURPOSE PIT DRAIN, ALL DUCCO COATED CAST IRON BODY, FLASHING CLAMP WITH SEEPLAGE OPENINGS, 3" (76MM) OUTLET, SUPPLY COMPLETE WITH THREADED CONNECTION AND ALL NECESSARY HARDWARE TO CONNECT TO DRAIN LINE.
- RD-1** ROOF DRAINS/DECK DRAINS - STANDARD FLOW DRAINS - LARGE CONVENTIONAL INSULATED ROOF
 JAY R. SMITH #1010 4-R-U-C-E-GRID ROOF DRAIN, ALL DUCCO COATED 15-1/4" (387MM) DIAMETER CAST IRON BODY, FLASHING CLAMP WITH SEEPLAGE OPENINGS, 4" (102MM) OUTLET - SUMP RECEIVER, VANDAL PROOF DOME, UNDERDECK CLAMP, EXTENSION SOLID (HEIGHT TO SUIT ROOF CONSTRUCTION), CAST IRON DOME MISSION #HW SERIES 'HEAVY WEIGHT' COUPLINGS, MJ COUPLINGS, CONSTRUCTED OF EXTRA WIDE 4 TO 6 BAND CORRUGATED TYPE 304 STAINLESS STEEL BANDS, WITH HEAVY DUTY WORM DRIVE CLAMPS. REFER TO DRAWING FOR SIZES.

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revision

This drawing must not be scaled.

The general Contractor must verify all dimensions, datums and levels prior to commencement of work. All errors and omissions must be reported immediately to the Architect.

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project
ELEVATOR ADDITION AND ACCESSIBILITY UPGRADES OF CENTURY ARENA
 Winnipeg, Manitoba Bid Opportunity No. 579-2012

sheet title
MAIN FLOOR PLUMBING & HVAC RENOVATION

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