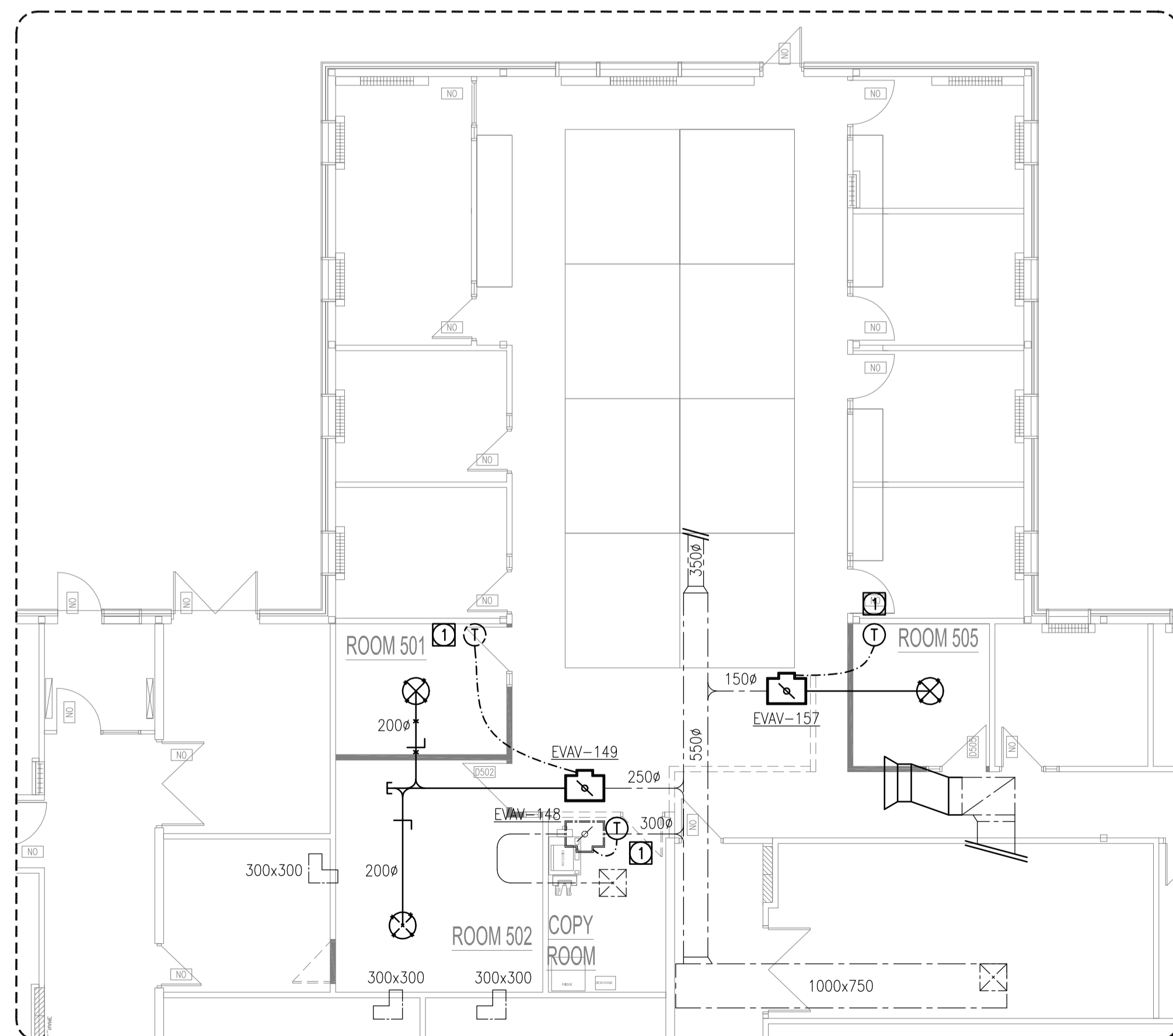
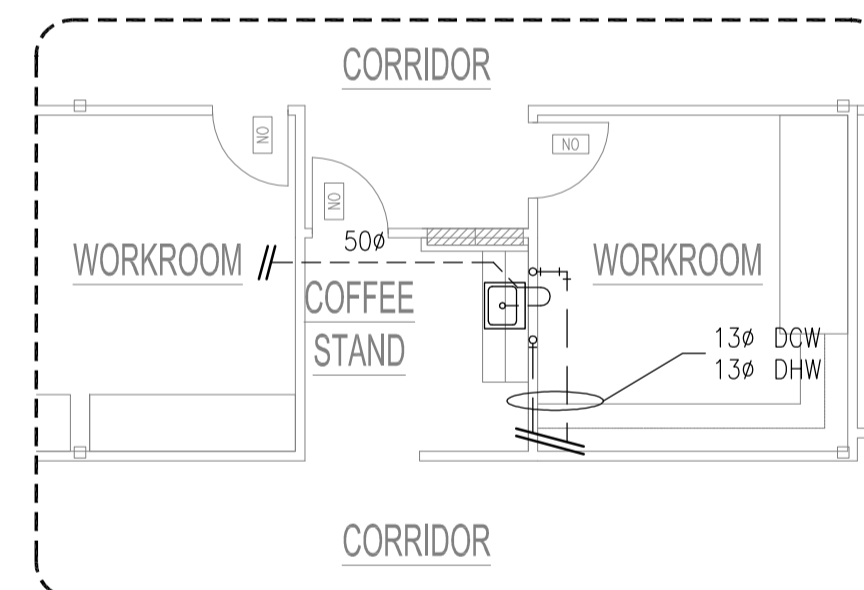


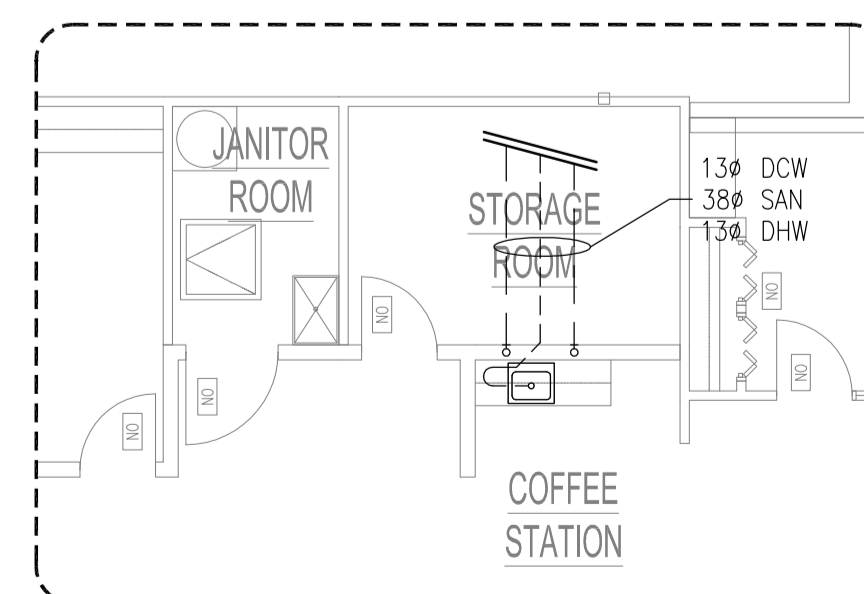
1 PARTIAL MAIN FLOOR - DEMOLITION
M-1 SCALE: 1:100



2 PARTIAL MAIN FLOOR - DEMOLITION
M-1 SCALE: 1:100



3 COFFEE STATION - DEMOLITION
M-1 SCALE: 1:100



4 COFFEE STATION - DEMOLITION
M-1 SCALE: 1:100

LEGEND

- EXISTING EQUIPMENT/DUCTWORK TO REMAIN
- EXISTING EQUIPMENT/DUCTWORK TO BE MODIFIED
- EXISTING EQUIPMENT/DUCTWORK TO BE DEMOLISHED
- EXISTING SANITARY PIPING
- EXISTING DOMESTIC WATER PIPING

GENERAL DESIGN NOTES:

1. ALL EXPOSED ROUND DUCTWORK SHALL BE SPIRAL AND PAINTED WHITE.
2. FIELD CONFIRM SIZE AND LOCATION OF ALL EXISTING EQUIPMENT, DUCTWORK AND PIPING.

CONTROLS:

EXISTING CONTROL SYSTEM IS A JOHNSON CONTROLS INC. METASYS SYSTEM. CONTRACTOR TO CONTACT JOHNSON CONTROLS TO COMMISSION ALL CONTROLS FOR THE NEW AREA OF WORK.

PLUMBING HOOKUP SCHEDULE

TAG	FIXTURE	DCW (in ø)	DHW (in ø)	SAN (in ø)	NOTES
SK-1	KITCHEN SINK	1/2	1/2	1-1/2	1 2
DW-1	DISHWASHER	-	1/2	1-1/2	1 2

NOTES:

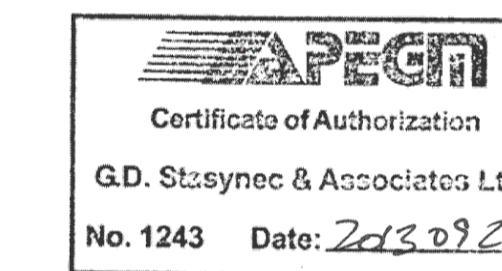
1. PROVIDE SERVICE VALVES
2. PROVIDE PLUMBING VENTS TO MEET CODE REQUIREMENTS

MECHANICAL PERFORMANCE SPECIFICATIONS FOR 1199 PACIFIC AVE.

1. PROVIDE ALL MATERIALS, LABOR AND EQUIPMENT REQUIRED TO COMPLETE THE WORK AS SHOWN AND AS SPECIFIED, SO AS TO LEAVE THE CITY WITH A COMPLETE AND FUNCTIONING SYSTEM.
 2. PROVIDE ALL NECESSARY NOTICES, OBTAIN ALL REQUIRED PERMITS, PAY ALL FEES REQUIRED BY LAW, AND ARRANGE FOR ALL INSPECTIONS RELATED TO THE PERFORMANCE OF THE SPECIFIED WORK.
 3. FURNISH CERTIFICATES CONFIRMING THAT THE WORK HAS BEEN INSTALLED TO THE SATISFACTION OF THE AUTHORITIES HAVING JURISDICTION.
 4. PROVIDE A MINIMUM OF SEVEN COPIES OR ONE ELECTRONIC COPY OF SHOP DRAWINGS FOR REVIEW BY THE CONTRACT ADMINISTRATOR. THE SHOP DRAWINGS MUST BE ASSEMBLED INTO COMPLETE BROCHURES WITH NO LOOSE SHEETS. UNASSEMBLED SUBMISSIONS WILL BE RETURNED AS INCOMPLETE.
- THE REVIEW OF THE SHOP DRAWINGS IS FOR THE SOLE PURPOSE OF ASCERTAINING CONFORMANCE WITH THE GENERAL DESIGN CONCEPT. THE REVIEW SHALL NOT MEAN APPROVAL OF THE DETAILED DESIGN INHERENT IN THE EQUIPMENT, THE RESPONSIBILITY FOR WHICH SHALL REMAIN WITH THE CONTRACTOR. THE REVIEW SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO MEET THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL REMAIN RESPONSIBLE FOR CONFIRMING AND CORRELATING THE DIMENSIONS ON THE JOBSITE, AND FOR INFORMATION THAT PERTAINS TO THE FABRICATION PROCESS, CONSTRUCTION TECHNIQUES, AND INSTALLATION DETAILS, AND FOR COORDINATING ALL WORK OF THE RELATED SUB-TRADES.
5. ALL ASPECTS OF THE INSTALLATION MUST COMPLY WITH THE MOST STRINGENT OF THE APPLICABLE BUILDING CODES, LOCAL REGULATIONS, AND BY-LAWS. BEFORE PROCEEDING WITH THE WORK, OBTAIN APPROVED DRAWINGS AND SPECIFICATIONS FROM THE AUTHORITIES HAVING JURISDICTION. EXCAVATIONS MUST CONFORM TO LOCAL REGULATIONS.
 6. THE CONTRACTOR SHALL PROVIDE A ONE YEAR LABOR AND MATERIAL WARRANTY ON ALL NEW EQUIPMENT AND COMPONENTS, COMMENCING UPON THE DATE OF ACCEPTANCE BY THE CITY.
 7. REPLACE AT NO CHARGE TO THE CITY, ALL ITEMS WHICH FAIL OR PROVE DEFECTIVE WITHIN A PERIOD OF ONE YEAR AFTER THE DATE OF FINAL ACCEPTANCE BY THE OWNER, PROVIDED THAT THE FAILURE IS NOT DUE TO IMPROPER USAGE BY THE CITY. MAKE GOOD ALL DAMAGES INCURRED AS A RESULT OF THE FAILURE AND OF THE REPAIR OF THE SYSTEMS.
 8. THE LOCATION, ROUTING AND ELEVATIONS OF EXISTING SITE SERVICES AND UTILITIES AS SHOWN ON THE DRAWINGS ARE TO BE CONSIDERED AS APPROXIMATIONS ONLY. VERIFY THE EXACT LOCATIONS AND ELEVATIONS OF THE SERVICES PRIOR TO COMMENCING EXCAVATIONS. THIS CONTRACTOR SHALL RETAIN RESPONSIBILITY FOR ANY DAMAGE TO EXISTING UTILITIES.
 9. IT IS RECOMMENDED THAT THE BIDDERS EXAMINE THE SITE AND THE EXISTING CONDITIONS AFFECTING THE PROJECT. EXAMINE THE COMPLETE SET OF CONTRACT DOCUMENTS TO ENSURE THAT THE WORK CAN BE CARRIED OUT WITHOUT SIGNIFICANT CHANGES TO THE INTENT OF THE DOCUMENTS. NO FUTURE ALLOWANCE WILL BE MADE FOR CHANGES UNLESS THE CONTRACT ADMINISTRATOR HAS BEEN NOTIFIED IN WRITING OF ANY DISCREPANCIES OR INTERFERENCES, PRIOR TO THE CLOSE OF TENDERS. NO ALLOWANCE WILL BE MADE FOR ITEMS WHICH SHOULD HAVE BEEN NOTED DURING A PRE-TENDER SITE INSPECTION.
 10. ALL CUTTING AND PATCHING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. EXPOSED SURFACES SHALL BE RETURNED TO AS "AS-FOUND" CONDITION ACCEPTABLE TO THE CITY.
 11. NO CERTIFICATE ISSUED, PAYMENT MADE OR PARTIAL OR ENTIRE USE OF THE SYSTEMS BY THE CITY, SHALL BE CONSTRUED AS ACCEPTANCE OF DEFECTIVE WORK OR MATERIALS.
 12. PROVIDE TESTING AND BALANCING SERVICES TO TEST AND BALANCE THE AIR HANDLING SYSTEMS. PROVIDE REPORTS TO THE CONTRACT ADMINISTRATOR FOR REVIEW.
 13. AT THE COMPLETION OF THE INSTALLATION, PROVIDE ONE CLEAN MARKED UP PRINTS OF THE RECORD DRAWINGS FOR RECORD PURPOSES. PROVIDE THREE SETS OF OPERATIONS AND MAINTENANCE MANUALS. PAY ALL COSTS ASSOCIATED WITH THE PRODUCTION OF THE "AS-BUILT" DRAWINGS AND THE MANUALS. SUBMIT THE DOCUMENTS TO THE CONTRACT ADMINISTRATOR FOR REVIEW AND MAKE ANY REQUESTED CHANGES BEFORE DELIVERING THEM TO THE CITY.
 14. REVIEW THE OPERATIONS AND MAINTENANCE OF THE MECHANICAL SYSTEMS WITH THE CITY'S MAINTENANCE PERSONNEL AND PROVIDE WRITTEN AND/OR VERBAL INSTRUCTIONS AS REQUIRED.

CALL OUT NOTES - □

1. RELOCATE EXISTING THERMOSTAT AS SHOWN ON M-2.
2. EXISTING RADIANT HEATER TO REMAIN.
3. EXISTING RADIANT HEATER TO REMAIN. REWIRE TO THERMOSTAT AS SHOWN ON M-2.
4. REMOVE EXISTING THERMOSTAT.
5. EXISTING WATER AND DRAINAGE PIPES IN CRAWLSPACE. FIELD CONFIRM EXACT LOCATION.



No.	REVISION/DESCRIPTION	BY	DATE
1	RE-ISSUED FOR CONSTRUCTION	AI	2013.09.25
0	ISSUED FOR CONSTRUCTION	AI	2013.09.23

SEAL



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Engineering Consultants
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T: (204) 488-1332
F: (204) 488-1337
E: stasyneec@amethyst.mb.ca

AIR VALVE SCHEDULE					
TAG	ROOM	SIZE (mm)	DESIGN MINIMUM FLOW (L/S)	DESIGN MAXIMUM FLOW (L/S)	NOTES
VAV-149A	501	150ø	15	40	
EVAV-66	198	-	50	150	
EVAV-67	195,196	-	-	-	AIRFLOW TO REMAIN UNCHANGED
EVAV-74	205	-	-	-	AIRFLOW TO REMAIN UNCHANGED
EVAV-77	207	-	-	-	AIRFLOW TO REMAIN UNCHANGED
EVAV-78	194	-	-	-	AIRFLOW TO REMAIN UNCHANGED
EVAV-93	208	-	-	-	AIRFLOW TO REMAIN UNCHANGED
EVAV-119	LOBBY AREA	-	-	-	AIRFLOW TO REMAIN UNCHANGED
EVAV-120	500	-	15	40	
EVAV-148	COPY ROOM	-	-	-	AIRFLOW TO REMAIN UNCHANGED
EVAV-149	502	-	65	190	
EVAV-157	505	-	15	40	

DRAWN	AI	CHECKED	GDS	DESIGNED	AI	APPROVED	GDS
DATE	2013.09.23	USER	APPROVAL				

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

PROJECT
WASTE WATER SERVICES
ALTERATIONS TO WASTE WATER
OFFICE AREAS
1199 PACIFIC AVENUE

SHEET TITLE
MECHANICAL DEMOLITION
LAYOUTS

SCALE	PROJECT No:	SHEET No:
AS SHOWN	2013-101	M-1 R-1