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DATE: 2022.12.01

SHEET TITLE: MECHANICAL SPECIFICATIONS

PROJECT No: 2019-078

ADDRESS: 510 KING ST.

MECHANICAL SPECIFICATIONS

1.0 GENERAL

.1 VISIT JOBSITE DURING BID. DRAWINGS INDICATE APPROXIMATE LOCATION OF EXISTING MECHANICAL EQUIPMENT AND SERVICES. VERIFY EXACT LOCATIONS OF EXISTING MECHANICAL EQUIPMENT AND SERVICES AND ALLOW FOR NECESSARY RELOCATING OF NOTED SERVICES (OR RECONNECTION TO EXISTING SERVICES) TO SUIT NEW CONSTRUCTION.

.2 ALL WORK SHALL CONFORM TO MANITOBA BUILDING CODE AND LOCAL AUTHORITIES. APPLY FOR, OBTAIN AND PAY FOR ALL NECESSARY PERMITS.

.3 COORDINATE INSTALLATION WITH ALL RELATED TRADES, ARCHITECTURAL DRAWINGS, INTERIOR DESIGN PLANS AND REFLECTED CEILING PLANS. VERIFY ALL DIMENSIONS AND LOCATIONS OF EXISTING EQUIPMENT AND SERVICES PRIOR TO PROCEEDING WITH WORK.

.4 SUBMIT SHOP DRAWINGS FOR ALL EQUIPMENT TO CONTRACT ADMINISTRATOR.

.5 PROVIDE ONE-YEAR WARRANTEE FOR ALL EQUIPMENT.

.6 ALL CONNECTIONS TO EXISTING BUILDING MECHANICAL SERVICES SHALL BE COORDINATED WITH THE CONTRACT ADMINISTRATOR.

.7 ALL NECESSARY CUTTING AND PATCHING SHALL BE PERFORMED BY COMPETENT SUB-TRADES EMPLOYED BY MECHANICAL SUBCONTRACTOR TO SATISFACTION OF THE CONTRACT ADMINISTRATOR.

.8 ALL NECESSARY CUTTING AND PATCHING SHALL BE PERFORMED BY CONTRACTOR. MECHANICAL SUBCONTRACTOR TO CO-ORDINATE ON SITE.

.9 REFER TO INSTRUCTIONS TO BIDDERS FOR REQUIREMENTS REGARDING PROJECT PHASING, WORKING HOURS, SHUT-DOWN PROCEDURES, ACCESS, ETC.

.10 PROVIDE MILCOR ACCESS DOORS IN DRYWALL CEILINGS AND WALLS FOR ACCESS TO MECHANICAL EQUIPMENT. MINIMUM SIZE 24" X 18".

.11 PRIOR TO DRILLING HOLES AND/OR OPENINGS IN EXISTING STRUCTURE, CONTRACTOR SHALL RETAIN SERVICES OF INDEPENDENT GPR SCANNING COMPANY QUALIFIED AND LICENSED TO PRACTICE IN PROVINCE OF MANITOBA TO LOCATE AND MARK ALL STRUCTURAL STEEL LOCATED IN AREA WHERE CUTTING OR DRILLING IS PROPOSED. AT NO TIME SHALL STEEL BE CUT WITHOUT PRIOR WRITTEN APPROVAL FROM CONTRACT ADMINISTRATOR.

.12 ALL INTERIOR SPACE POWER HAMMERING, DRILLING AND OTHER NOISY WORK SHALL BE COORDINATED WITH THE CONTRACT ADMINISTRATOR.

.13 BID QUOTATIONS SHALL BE BASED ON THE USE OF SPECIFIED EQUIPMENT, UNLESS ACCEPTANCE FOR THE USE OF EQUAL MANUFACTURERS IN ACCORDANCE WITH B6 IS OBTAINED FROM THE CONTRACT ADMINISTRATOR PRIOR TO SUBMISSION OF BIDS. ALTERNATE MANUFACTURERS MAY BE QUOTED AS AN INCREASE OR DECREASE AMOUNT TO THE TENDER PRICE, WITHOUT PRIOR ACCEPTANCE OF THE CONTRACT ADMINISTRATOR.

.14 FURNISH TO THE CITY THREE (3) COMPLETE SETS OF MANUFACTURER'S OPERATING AND MAINTENANCE INSTRUCTIONS FOR ALL EQUIPMENT REQUIRING MAINTENANCE. REVIEW INSTRUCTIONS WITH CONTRACT ADMINISTRATOR TO ENSURE A THOROUGH UNDERSTANDING OF THE EQUIPMENT AND ITS OPERATION.

.15 PROVIDE A MARK-UP OF THE CONTRACT DRAWINGS FOR RECORD "AS-BUILT" DRAWINGS, REVISED AS REQUIRED TO SHOW ANY CHANGES FROM THAT ORIGINALLY SHOWN.

.16 ALL DUCTWORK AND PIPING TO BE INSTALLED STRAIGHT, PARALLEL TO THE BUILDING WALLS.

.17 WHERE PIPES OR DUCTS GO THROUGH AN EXTERIOR ROOF OR WALL, THEY SHOULD BE BOXED-IN, FLASHED AND WATERPROOFED. ALLOW FOR EXPANSION AND CONTRACTION OF PIPE.

.18 PIPE HANGERS SHALL BE GRINNELL FIG. 65 FOR STEEL PIPE AND FIG. CT65 FOR COPPER PIPE, ALL WITH FIG. 140 THREADED ROD ATTACHED TO FIG. 117 EXPANSION CASE SET IN HOLES DRILLED IN CONCRETE, OR ATTACHED TO FIG. 225 OR 227 CLAMP ATTACHED TO JOISTS OR BEAMS.

.19 TREATED WOOD SLEEPERS (4" X 4") AND FLASHING FOR EQUIPMENT INSTALLED ON ROOF TO BE PROVIDED BY THE GENERAL CONTRACTOR.

.20 ALL EXTRANEOUS MATERIAL IN CEILING SPACE UNRELATED TO NEW AND REVISED WORK SHOWN, INCLUDING PIPING, CONTROL TUBING, DUCTWORK, ETC. SHALL BE REMOVED.

.21 PROVIDE FIRESTOPPING FOR ALL OPENINGS IN FIRE SEPARATIONS FOR PASSAGE OF PIPES, DUCTS, ETC. TO MAINTAIN INTEGRITY OF FIRE SEPARATIONS AS PER MANUFACTURER'S PUBLISHED RECOMMENDATIONS.

.22 INSTALLATION OF WORK SHALL BE COORDINATED WITH THE CONTRACTOR AND SHALL BE SCHEDULED SO AS NOT TO ENDANGER OR DISTURB THE USERS OF THE BUILDING. SHUTDOWN OF EXISTING BUILDING SYSTEMS SHALL BE COORDINATED WITH THE CONTRACT ADMINISTRATOR.

.23 ALL WIRING FOR EQUIPMENT SPECIFIED HEREIN SHALL BE BY THE ELECTRICAL SUBCONTRACTOR, UNLESS OTHERWISE NOTED.

.24 MECHANICAL SUB-CONTRACTOR SHALL REVIEW ALL EQUIPMENT REQUIRING ELECTRICAL HOOK-UP WITH ELECTRICAL SUBCONTRACTOR AND ELECTRICAL DRAWINGS PRIOR TO ORDERING EQUIPMENT. ENSURE PROPER ELECTRICAL CHARACTERISTICS ARE DETERMINED FOR ALL AFFECTED AND RELATED WORK.

.25 PRIOR TO INSTALLATION OF THE CEILING, NOTIFY THE CONTRACT ADMINISTRATOR AND ARRANGE FOR A FINAL REVIEW OF THE WORK. FOR UNDERTAKING THIS REVIEW, THE FOLLOWING SHALL BE COMPLETED:

.1 ALL SYSTEMS TO BE FULLY OPERATIONAL, AS-BUILT DRAWINGS SUPPLIED AND OPERATING AND MAINTENANCE MANUALS SUBMITTED. TWO (2) DAYS NOTIFICATION (IN WRITING) IS REQUIRED TO BE GIVEN TO THE CONSULTANTS PRIOR TO REVIEWS BEING UNDERTAKEN.

.2 ALL DEFICIENCIES SHALL BE COMPLETED WITHIN TWO (2) WEEKS OF AN AGREED PERIOD OF TIME AFTER FINAL REVIEW AND A LETTER SHALL BE SUBMITTED TO THE CONTRACT ADMINISTRATOR WITHIN THAT TIME ADVISING OF SUCH. FAILURE TO COMPLETE WORK MAY RESULT IN WORK BEING DONE BY THE CITY OF WINNIPEG AND THE COSTS DEDUCTED FROM FINAL PAYMENT.

.26 WHERE MECHANICAL SERVICES ARE CONCEALED WITHIN WALLS, FLOORS OR CEILINGS AND CANNOT BE VISUALLY IDENTIFIED, PROVIDE ELECTRONIC SCANNING DEVICES OR OTHER APPROVED MEANS TO LOCATE AND IDENTIFY CONCEALED SERVICES PRIOR TO WORK START. MAKE GOOD ANY DAMAGE TO EXISTING MECHANICAL SERVICES AT NO COST TO THE CONTRACT.

.27 SILICONE ALL FIXTURES TO ADJACENT WALLS, FLOORS OR COUNTERTOPS ETC.

2.0 INSULATION

.1 DENSITY, PIPE INSULATION WITH ASJ AS PER MFG. RECOMMENDATIONS. SEAL ALL BREAKS, JOINTS WITH ASJ TAPE.

.2 ALL COLD PIPING INSULATION SHALL BE C/W WITH VAPOUR BARRIER.

.3 ALL EXHAUST DUCTS FOR DISTANCE OF 6'-0" BACK FROM WALL OR ROOF OUTLET TO HAVE 2" FIBERGLAS RFFRK.

.4 INSULATION ON PIPING IN FINISHED AREAS TO BE RECANVASSED OR COVERED WITH WHITE P.V.C. INSULATION COVER.

.5 INSULATE CONDITIONED AIR DUCTWORK WITH 1" FIBERGLAS RFFRK FLEXIBLE DUCT INSULATION INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

3.0 PLUMBING

.1 PROVIDE LABOUR, MATERIAL, EQUIPMENT AND SERVICES NECESSARY FOR AND INCIDENTAL TO SUPPLY AND INSTALLATION OF SYSTEMS SHOWN ON DRAWINGS. GENERALLY THIS SHALL INCLUDE:

.1 DRAINAGE SYSTEM

.2 WATER SUPPLY SYSTEM

.2 DRAINAGE SYSTEMS

.1 PROVIDE COMPLETE SYSTEMS OF DRAINAGE AND VENTING TO SERVE ALL FIXTURES, EQUIPMENT, ETC. AS NOTED ON DRAWINGS AND IN ACCORDANCE WITH LOCAL CODES.

.2 ALL DRAINAGE PIPING TO W.C.'S SHALL BE 3" DIAM. MIN.

.3 CLEANOUTS:

.1 INSTALL CLEANOUTS AT ALL CHANGES OF DIRECTION, AT INTERVALS OF NOT OVER FIFTY FEET (50) IN HORIZONTAL RUNS, AT ALL POINTS WHERE OBSTRUCTIONS MIGHT BE FORMED AND AT ALL POINTS REQUIRED BY PLUMBING REGULATIONS OR SHOWN ON DRAWINGS.

.3 WATER SUPPLY

.1 PROVIDE COMPLETE SYSTEM OF WATER SUPPLY PIPING AS NOTED ON DRAWINGS.

.2 GRADE HORIZONTAL RUNS OF PIPING TO DRAIN THROUGH RISERS.

.3 INSTALL DRAIN VALVES IN MAINS FOR COMPLETE DRAINAGE.

MECHANICAL SPEC'S CONTINUED:

.4 INSTALL DIELECTRIC INSULATING COUPLINGS BETWEEN ALL PIPES CONSTRUCTED OF DISSIMILAR METALS.

.5 PROVIDE SHOCK ABSORBER UPSTREAM OF EVERY SOLENOID VALVE OR QUICK CLOSING VALVE. THIS APPLIES ALSO TO NIC EQUIPMENT HAVING SOLENOID VALVES SUPPLIED BY OTHER DIVISIONS, SUCH AS WASHING MACHINES, DISHWASHERS, ETC. REVIEW PROPOSED LOCATION AND TYPE OF SHOCK ABSORBERS WITH CONTRACT ADMINISTRATOR PRIOR TO INSTALLATION.

.4 DRAIN AND VENT PIPING

.1 PIPE AND FITTINGS SHALL CONFORM TO STANDARDS LISTED IN APPLICABLE BUILDING CODE (LATEST REVISION).

.2 ALL CAST IRON SOIL PIPE SHALL BE CLASS 4000.

.3 NO PLASTIC, ASBESTOS OR ALUMINUM PIPE WILL BE ACCEPTED UNLESS SPECIFICALLY CALLED FOR.

.5 WATER PIPING

.1 PIPE - TYPE 'L' THIRD PARTY CERTIFIED HARD COPPER TUBE.

.2 FITTINGS - WROT OR CAST SOLDER JOINT.

.6 BALL VALVES

.1 TOYO FIG. 5049A.

.7 CLEANOUTS

.1 CLEANOUTS IN CAST IRON SOIL PIPE SHALL CONSIST OF CAST IRON FERRULE WITH BRASS PLUG HAVING RAISED HEAD.

.2 CLEANOUTS IN COPPER DRAINAGE TUBE SHALL BE BRASS SCREWED PLUGS WITH RAISED HEAD.

.8 CLEANOUT ACCESS COVER

.1 ZURN ZANB-1460-13-7" DIAM. POLISHED NICKEL BRONZE FRAME AND COVER. CLEANOUT ACCESS COVERS IN AREAS HAVING FLOOR FINISH SUCH AS V.A. TILE, TERRAZZO, OR CARPET, SHALL BE SELECTED TO SUIT FINISH. COOPERATE WITH APPROPRIATE TRADES TO APPLY FINISH TO CLEANOUT COVERS SO THAT THEY WILL BE FLUSH WITH FLOOR, INCONSPICUOUS, AND ACCESSIBLE.

.2 CLEANOUTS IN WALLS SHALL BE LOCATED ADJACENT TO AN ACCESS DOOR, OR SHALL HAVE SUITABLY FINISHED ACCESS COVER FLUSH WITH WALL SO AS TO PRESENT NEAT FINISHED APPEARANCE AND LEAVE CLEANOUT EASILY ACCESSIBLE.

.9 JOINTING

.1 MAKE ALL JOINTS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

.2 BRACE FITTINGS NECESSARY TO PREVENT JOINTS FROM COMING APART UNDER PRESSURE.

.3 MAKE JOINTS IN DOMESTIC WATER AND DRAINAGE SYSTEMS WITH SOLDER CONTAINING NO LEAD. SOLDER MATERIAL SHALL BE SILVERBRITE 100 OR EQUAL CONSISTING OF COMBINATION OF TIN, COPPER AND SILVER.

.10 CLEANING AND FLUSHING

.1 ON COMPLETION, FLUSH OUT PIPING SYSTEM TO REMOVE ANY FOREIGN MATERIAL IN PIPING.

.11 TESTING

.1 PRESSURE TEST ALL PIPING SYSTEMS AS FOLLOWS:

.1 PLUMBING SYSTEM - IN ACCORDANCE WITH LOCAL REGULATIONS.

.2 WATER SUPPLY PIPING - TEST WITH WATER TO 100 PSIG AT HIGHEST POINT OF SYSTEM. MAINTAIN PRESSURE WITHOUT LOSS FOR 4 HOURS.

.12 HANGERS

.1 WATER - GRINNELL CT65 PLATED CLEVIS.

.2 DRAINAGE - GRINNELL 260 CLEVIS.

.3 INSTALL HANGERS 6 FT. ON CENTRE FOR PIPES UP TO 1", 8 FT. ON CENTRE FOR PIPES 1 1/4" AND LARGER.

.13 FIXTURES

.1 SK-1 3 COMPARTMENT KITCHEN SINK

.1 REUSE EXISTING 3 COMPARTMENT KITCHEN SINK.

.2 FAUCET C/W GOOSENECK, PROVIDED BY GENERAL CONTRACTOR. REFER TO ARCHITECTURAL DRAWINGS.

.2 SK-2 HAND WASH SINK

.1 HAND WASH SINK C/W ELECTRONIC FAUCET, PROVIDED BY GENERAL CONTRACTOR. REFER TO ARCHITECTURAL DRAWINGS.

.3 GI-1 GREASE INTERCEPTOR

.1 ZURN GREASE INTERCEPTOR MODEL GT2700-10, 10 GPM FLOW RATE, 2" INLET AND OUTLET. RECOMMENDED FOR REMOVING AND RETAINING GREASE FROM WASTEWATER IN KITCHEN AND RESTAURANT AREAS WHERE FOOD IS PREPARED. GREASE TRAP IS CORROSION-RESISTANT COATED FABRICATED STEEL WITH NO-HUB CONNECTIONS, FLOW DIFFUSING BAFFLE, INTEGRAL TRAP, AND VENTED INLET FLOW CONTROL DEVICE.

4.0 VENTILATION

.1 DUCTWORK

.1 GALVANIZED IRON SCHEDULE:

MAX. SIDE	GAUGES (USSG)	BRACING
UP TO 24"	24	NONE
25 TO 30"	24	1" X 1" X 1/8" ANGLE, 4' FROM JOINT.
31 TO 40"	22	1" X 1" X 1/8" ANGLE, 4' FROM JOINT.
ROUND DUCT UP TO 19"	26	NONE

.2 WHERE DUCT WIDTH EXCEEDS 18" IN LARGEST DIMENSION, STIFFEN BY BREAKING SHEETS DIAGONALLY.

.3 DUCT SIZES SHOWN ARE INSIDE DIMENSIONS. IF DUCTS ARE ACOUSTICALLY LINED, OUTSIDE DUCT SIZE TO BE INCREASED TO SUIT.

.4 DUCTWORK SHALL BE CONSTRUCTED AS RECOMMENDED IN ASHRAE GUIDE.

.5 SEAL ALL JOINTS (NEW AND EXISTING) AIRTIGHT WITH DURO-DYNE S-2 DUCT SEALER OR EQUAL, IN STRICT ACCORDANCE WITH MANUFACTURER'S PUBLISHED RECOMMENDATIONS. PRIOR TO APPLICATION, DUCTWORK TO BE DRY AND FREE OF GREASE, ETC. USE 1/4" BEAD OF MATERIAL ALONG JOINTS. MATERIAL, WHEN DRY, TO HAVE 1/8" DEPTH EXTENDING 1" ON EACH SIDE OF JOINT OR SEAM.

.6 WHERE DUCTWORK CONFLICTS WITH MECHANICAL PIPING AND IT IS NOT POSSIBLE TO DIVERT DUCTWORK OR PIPING TO STAY WITHIN ALLOWABLE SPACE LIMITATIONS, PROVIDE DUCT EASEMENTS. EASEMENTS NOT REQUIRED ON PIPES 100MM (4") AND SMALLER OUTSIDE DIMENSION, UNLESS THIS EXCEEDS 20% OF DUCT AREA. HANGERS AND STAYS IN DUCTWORK TO BE PARALLEL TO AIR FLOW. IF EASEMENT EXCEEDS 20% OF DUCT AREA, DUCT TO BE SPLIT INTO TWO DUCTS WITH ORIGINAL DUCT AREA BEING MAINTAINED. EASEMENTS TO BE APPROVED BY CONSULTANT BEFORE INSTALLATION.

.7 SIZE ROUND DUCTS, INSTALLED IN PLACE OF RECTANGULAR DUCTS, FROM ASHRAE TABLE OF EQUIVALENT RECTANGULAR AND ROUND DUCTS.

.8 PRIOR TO FABRICATION OF DUCTWORK, CHECK ALL CEILING SPACES AND HEIGHTS FOR CONFLICTION WITH OTHER TRADES.

.9 DUCT AND EQUIPMENT SUPPORTS, HANGERS AND INSERTS

.1 SUPPORT HORIZONTAL DUCTS ON MAXIMUM 8'-0" CENTRES BY NON-PERFORATED GALV. STEEL, RIVETTED STRAP FOR DUCTWORK 36" (EITHER DIMENSION) OR LESS, AND MINIMUM 1" X 1" X 1/8" GALV. IRON PASSING UNDER DUCTS 37" OR OVER (EITHER DIMENSION) WITH 3/8" DIAM. THREADED RODS SUSPENDING ANGLES FROM STRUCTURE.

.2 FOR INSERTS IN EXISTING CONCRETE, USE HILTI H.K.D. STEEL ANCHORS.

.10 MANUAL VOLUME DAMPERS TO BE #16 GA. GALV. STEEL, STIFFENED. DAMPERS HARDWARE TO BE DURO-DYNE KS-145, KS-385 OR KS-12 AS RECOMMENDED BY MANUFACTURER.

.11 FIRE DAMPERS SHALL CONFORM TO MANITOBA FIRE CODE AND LOCAL AUTHORITIES. ALL FIRE DAMPERS TO BE TYPE 'B', I.E. BLADES OUT OF AIR STREAM.

.12 PROVIDE INSULATED ACCESS DOORS AT ALL FIRE DAMPERS, COILS, AIR VALVES AND WHERE NOTED.

.13 DIFFUSERS, GRILLES AND REGISTERS

.1 REFER TO SCHEDULE.

.2 MAU-1, MINI MAKE UP AIR UNIT: CSA/UL APPROVED MINI MAKE UP AIR UNIT, MANUFACTURED BY THERMOLEC LTD. C/W FILTER AND ELECTRONIC CONTROLLER. REFER TO MECHANICAL SCHEDULE.

.1 CONSTRUCTION: FRAME SHALL BE CORROSION-RESISTANT AND MADE OF GALVANIZED STEEL OF SUITABLE GAUGE AS REQUIRED BY CSA/UL

.2 HEATER: HEATING COILS SHALL BE OF HIGH GRADE NICKEL CHROMIUM ALLOY AND SHALL BE INSULATED BY FLOATING CERAMIC BUSHINGS FROM THE GALVANIZED STEEL FRAME. COIL TERMINALS SHALL BE STAINLESS STEEL, INSULATED BY MEANS OF NON -ROTATING CERAMIC BUSHINGS

.3 SAFETY CONTROLS:

.1 HI-LIMIT WITH DAMPER SHUTDOWN AND ALARM

.2 LOW-LIMIT WITH DAMPER SHUTDOWN AND ALARM

.3 HIGH TEMPERATURE AUTOMATIC RESET THERMAL CUTOUT THAT WILL RESET AUTOMATICALLY AFTER COOL OFF

.4 MANUAL RESET

.4 STANDARD BUILT IN COMPONENTS:

.1 FAN SPEED CONTROLLER

.2 DUCT TEMPERATURE SENSOR

.3 FAN

.4 DAMPER

.5 WASHABLE FILTER

.6 BUILT IN ELECTRONIC CONTROLLER (SCR) - ON/OFF COMPONENTS WILL NOT BE ACCEPTED

.7 CURRENT SENSOR AVAILABLE ON ALL UNITS

.5 AIR FLOW

.1 BUILT IN TEMPERATURE SENSOR CONTROLS THE HEATER PROPORTIONALLY TO MAINTAIN THE PRE-SET AIR TEMPERATURE IN THE DUCT

.2 REVERSIBLE MOUNTING AIR FLOW CAPABILITY

.6 SIZE AND CAPACITY: SEE MAU SCHEDULES

.7 INTERNAL WIRING:

.1 ALL INTERNAL WIRING SHALL TERMINATE ON CLEARLY IDENTIFIED TERMINAL BLOCKS.

.2 A WIRING DIAGRAM SHALL BE INSTALLED ON THE CONTROL BOX COVER

.3 PRIOR TO SHIPPING, ALL UNITS SHALL WITHSTAND TESTS AS REQUIRED BY CSA/UL.

.8 MOUNTING METHOD:

.1 UNIT MUST HAVE INLET/OUTLET COLLARS TO ACCOMMODATE JOB REQUIREMENT

.2 THE UNIT SHALL HAVE HANGER BRACKETS DESIGNED TO BE USED WITH THREADED RODS (BY OTHERS),SPRING ISOLATORS OR OTHER MEANS, MAY BE ADDED TO THE RODS AS AN OPTION TO REDUCE VIBRATION (BY OTHERS)

5.0 TESTING AND BALANCING

.1 AIR SYSTEMS IN THE RENOVATION AREAS SHALL BE BALANCED AND TESTED BY AN INDEPENDENT AIR BALANCE AGENCY (AABC) TO PROVIDE AIR QUANTITIES AS SHOWN. PROVIDE AIR BALANCE REPORT FOR REVIEW BY THE CONSULTANT. SUBMIT TWO COPIES FOR REVIEW UPON COMPLETION. PROVIDE DAMPER STICKER UPON FINAL BALANCING COMPLETION.

NOTES:

No.	REVISION/DESCRIPTION	BY	DATE
2	ISSUED FOR CONSTRUCTION	DRM	02.02 2024
1	ISSUED FOR CONSTRUCTION	PAS	JULY 04 2023
0	ISSUED FOR PRICING	EAG	FEB 07 2023

SEAL

PROVINCE OF MANITOBA
2024-02-02
X. WU
Member
20040
REGISTERED PROFESSIONAL ENGINEER

DRAWN	DRM	CHECKED		DESIGNED	XYW	APPROVED	
DATE	2022.12.01	USER APPROVAL					

Winnipeg

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

PROJECT

TURTLE ISLAND RECREATION CENTRE
KITCHEN RENOVATION
-
510 KING ST.

SHEET TITLE

MECHANICAL
SPECIFICATIONS

SCALE	PROJECT No:	SHEET No:
AS SHOWN	2019-078	M4

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