



- ### SHEET KEYNOTES
- 1 SUPPLIED BY MECHANICAL. PROVIDE WIRING AND CONNECT TO DESIGNATED PANELBOARD INCLUDING BREAKERS AND DISCONNECTS AS REQUIRED. SEE EQUIPMENT AND PANEL SCHEDULE FOR DETAILS.
 - 2 SUPPLY AND INSTALL NEW EXIT SIGN AS PER LATEST EDITION OF NATIONAL AND MANITOBA BUILDING CODE (GREEN RUNNING MAN). WIRE TO PANEL 'F' CIRCUIT. SEE SPECIFICATION FOR DETAIL REQUIREMENT.
 - 3 SUPPLY AND INSTALL NEW MATCHING FLUORESCENT LIGHTING FIXTURES. WIRE AND CONNECT TO NEW PANEL 'F'. (NO T12 LIGHTING FIXTURES).
 - 4 NEW GAS FIRED UNIT HEATER SUPPLIED BY MECHANICAL. RECONNECT EXISTING FEEDERS AND PROVIDE NEW DISCONNECTS. ELECTRICAL SUBCONTRACTOR TO COORDINATE WITH MECHANICAL SUBCONTRACTOR.
 - 5 PROVIDE 125A, 3P BRANCH CIRCUIT BREAKER IN PANEL 'PC'
 - 6 NEW DEDICATED POWER RECEPTACLE COORDINATE EXACT LOCATION ON SITE.
 - 7 EXISTING 120/240V, 1Ø STABLOCK PANELBOARD TO REMAIN.
 - 8 SUPPLY AND INSTALL NEW PANEL 'CDP' 400A, 347/600 VAC, 3Ø, 4W, CCTS=10 C/W BRANCH BREAKER AS PER E-4 CDP PANEL SCHEDULE
 - 9 SUPPLY AND INSTALL NEW PANEL 'B' 200A, 120/208 V, 3Ø, 4W, CCTS=60 NEMA 3R ENCLOSURE, C/W BRANCH BREAKERS AS REQUIRED AND RECONNECT EXISTING FEEDERS. PROVIDE 10 X 12-1P SPARE BREAKERS.
 - 10 SUPPLY AND INSTALL NEW PANEL 'F' 125A, 120/208 V 3Ø, 4W CCTS=42, C/W BRANCH BREAKERS AS PER E-4, PANEL F SCHEDULE.
 - 11 SUPPLY AND INSTALL NEW PANEL 'PC' 400A, 120/208V, 3Ø, 4W, CCTS=120, IC=10KAIC C/W BRANCH BREAKERS AS REQUIRED AND RE-CONNECT ALL EXISTING WIRING, PROVIDE 20X15-1P SPARE BREAKERS.
 - 12 EXISTING 75KVA TRANSFORMER TO REMAIN.
 - 13 SUPPLY AND INSTALL NEW 2X4C#3Ø AWG, Cu IN 2X63mm Ø EMT CONDUITS.
 - 14 EXISTING MAIN 100A, 250V FUSED SWITCH TO REMAIN.
 - 15 SUPPLY AND INSTALL NEW 4C#1 AWG, Cu IN 35mm Ø EMT CONDUIT.
 - 16 EXISTING 225A, 347/600VAC, 3Ø, 4W, 14 CCTS, PANEL 'NHDP' TO REMAIN.
 - 17 SUPPLY AND INSTALL 3C#6AWG, Cu, IN 35mm EMT CONDUITS C/W 60A-3P.
 - 18 SUPPLY AND INSTALL NEW 45KVA, 600-120V, 3Ø, DRYTYPE TRANSFORMER.
 - 19 SUPPLY AND INSTALL NEW 4C#4/0 AWG, Cu IN 63mm Ø EMT CONDUITS.
 - 20 SUPPLY AND INSTALL 4C#2/0 AWG, CU, IN 53mm Ø EMT CONDUITS.
 - 21 SUPPLY AND INSTALL NEW 3/0 AWG CU, GROUNDING CONDUCTOR IN EXISTING UNDERGROUND 103mm PVC.
 - 22 EXISTING 3#3 AWG TO REMAIN.
 - 23 EXISTING 25KVA, 600-120/240V 1Ø, 3W, TRANSFORMER TO REMAIN.
 - 24 SUPPLY AND INSTALL NEW 2#10 AWG, Cu IN 21mm Ø EMT CONDUIT.
 - 25 TO NEW MECHANICAL EQUIPMENT. SEE 'CDP' PANEL SCHEDULE, E-4.
 - 26 EXISTING MAIN SERVICE ENTRANCE DISTRIBUTION AND METERING EXTERIOR PAD MOUNTED, CSA 3 ENCLOSURE TO REMAIN.
 - 27 SUPPLY AND INSTALL NEW MATCHING BREAKER AS SHOWN. BREAKER TO MATCH MANUFACTURING NAMEPLATE, TYPE AND EXISTING PANEL FAULT CURRENT WITHSTAND RATING.
 - 28 SUPPLY AND INSTALL NEW 4C#500MCM, Cu IN EXISTING UNDERGROUND 103mm PVC.
 - 29 LIGHTING FIXTURE INSIDE HOOD SUPPLIED BY MECHANICAL AND INSTALLED BY ELECTRICAL. MOUNT LIGHTING FIXTURE AS PER MANUFACTURERS INSTRUCTION. WIRE AND CONNECT TO NEW PANEL 'F'. PROVIDE AND INSTALL 2 x 36 W T8 FLUORESCENT LAMP.

EXISTING SITE CONDITION
THE ASSESSMENT AND ANY POTENTIAL REQUIRED UPGRADING OF THE EXISTING ROOF FRAME STRUCTURE OF THIS BUILDING HAS NOT BEEN INCLUDED IN THE SCOPE OF THIS PROJECT AS HAS BEEN DIRECTED BY THE CLIENT - THE CITY OF WINNIPEG. THE CONTRACTORS SHALL NOT ADD ANY LOAD TO THE EXISTING ROOF STRUCTURE FOR ANY REASON BEYOND SPECIFIED IN THE PROJECT PLANS AND SPECIFICATIONS WITHOUT APPROPRIATE REVIEW AND APPROVAL OF A PROFESSIONAL ENGINEER.

ASBESTOS CONTAINING MATERIALS ARE PRESENT ON-SITE.
REFER TO PROJECT SPECIFICATIONS.
ANY SUSPECT ASBESTOS-CONTAINING MATERIALS SHALL BE CONSIDERED AS ASBESTOS-CONTAINING UNTIL DETERMINED OTHERWISE.

**FOR PRICING ONLY
NOT FOR CONSTRUCTION**

B.M. ELEV.			
DESIGNED BY	D.G./S.N	CHECKED BY	R.M
DRAWN BY	O.N	APPROVED BY	R.M
HOR. SCALE:	AS NOTED	RELEASED FOR CONSTRUCTION	
VERT. SCALE:	AS NOTED	DATE	2012/06/26
NO. REVISIONS	DATE	BY	
0	ISSUED FOR PRICING	2012/06/22	R.M.
B	ISSUED FOR FINAL REVIEW	2012/06/16	R.M.
A	ISSUED FOR CLIENT REVIEW	2012/07/24	R.M.

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ENGINEERS SEAL

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

HVAC AND ELECTRICAL UPGRADE
552 PLINGUET STREET
WASTEWATER SERVICES GARAGE AND ADJACENT BUILDINGS

CITY DRAWING NO.
SHEET 9 OF 10
E-3

CONSULTANT DRAWING NO.
121-19259-00

RENOVATION PLANS