PANEL 'F'												
VOLTAGE: 120/208V												
	PHASE:	3										
	WIRE:	4										
	BUS:	125A										
	I OCATION:	ELECTRI	CAL									
LOCATION: ELECTRICAL ROOM  FED FROM: TR-3												
MOUNTING: SURFACE												
INTERRUPTING CAPACITY: 10KAIC												
ENCLOSU	RE RATING:	NEMA 4X	(									
DESCRIPTION	VA	BKR	ССТ	PHASE	CCT	BKR	VA	DESCRIPTION				
LIGHTING	220	15A, 1P	1	Α	2	15A, 1P	200	EXIT LIGHTING				
EXHAUST FAN EF-1	1587	30A, 1P	3	В	4	15A, 1P	170	HEAT RECOVERY VENTILATOR HRV-1				
EXHAUST FAN EF-2	1587	30A, 1P	5	С	6	20A, 2P	1500	ELECTRIC DUCT				
EXHAUST FAN EF-4	100	15A, 1P	7	А	8	2071, 21	1500	HEATER EDH-1				
EXHAUST FAN EF-5	1127	20A, 1P	9	В	10	15A, 2P	2724	CONDENSING UNIT				
EXHAUST FAN EF-6	1587	30A, 1P	11	С	12	10/1, 21	2724	CU-1				
FURNACE F-1	1788	20A, 1P	13	А	14	15A, 1P	500	RECEPTACLE				
SPARE		15A, 2P	15	В	16	15A, 1P	500	RECEPTACLE				
OI AILE		10/1, 21	17	С	18	15A, 1P	100	LIGHTING				
SPARE		15A, 2P	19	A	20	20A, 1P		SPARE				
			21	В	22	15A, 1P		SPARE				
SPARE		30A, 1P	23	С	24	20A, 1P		SPARE				
SPARE		30A, 1P	25	Α	26	20A, 1P		SPARE				
SPARE		15A, 1P	27	В	28	15A, 1P		SPARE				
SPARE		15A, 1P	29	С	30	15A, 1P		SPARE				
SPARE		15A, 1P	31	Α	32	15A, 1P		SPARE				
SPARE		15A, 1P	33	В	34	15A, 1P		SPARE				
SPARE		15A, 1P	35	С	36	15A, 1P		SPARE				
SPARE		15A, 1P	37	А	38	15A, 1P		SPARE				
SPARE		15A, 1P	39	В	40	15A, 1P		SPARE				
SPARE		15A, 1P	41	С	42	15A, 1P		SPARE				

			PAN	NEL 'C	DP'						
	VOLTAGE:	347/600V	Ī		MAIN B	REAKER:	400A				
	PHASE:	3									
	WIRE:	4									
	BUS:	400A									
	LOCATION:	ELECTRI ROOM	CAL								
	FED FROM:	EXISTING	3 SWITC	HBOARD							
	MOUNTING:	SURFAC	E								
INTERRUPTING CAPACITY: 25 KAIC											
ENCLOSURE RATING: NEMA 4X											
DESCRIPTION	VA	BKR	ССТ	PHASE	CCT	BKR	VA	DESCRIPTION			
	4521	25A, 3P	1	А	2	80A, 3P	20671	AIR HANDLING UNIT AHU-1			
MAKE-UP AIR UNIT MUA-1	4521		3	В	4		20671				
	4521		5	С	6		20671				
	500		7	Α	8						
EXHUAST FAN EF-3	500	15A, 3P	9	В	10	225A, 3P		EXISTING PANEL 'NHDF			
	500		11	С	12						
EXISTING 25 KVA TRANSFORMER, 1Ø		30A, 2P	13	Α	14			NEW 45 KVA TRANSFORMER			
(STABLOK PANEL BOARD)		,	15	В	16	60A, 3P					
SPACE			17	С	18						
352			19	А	20						
SPACE			21	В	22			SPACE			
			23	С	24						
			25	А	26			_			
SPACE			27	В	28			SPACE			
			29	С	30						

					_			EC	QUIPMENT SC	HEDULE	_	_			
TAG	DESCRIPTION	KW/HP	KVA	FLA	VOLTAGE /PHASE	CABLE SIZE/No./(C u)	CONDUIT SIZE	BREAKER SIZE/POLE	DISC. SWITCH SUPPLY AND INSTALL BY ELECTRICAL	CONTROL	EQUIP. SUPPLY BY	POWER WIRING BY	CONTROL WIRING BY	CONTROL EQUIP. SUPPLY BY	REMARKS
EF-1	NEW EXHAUST FAN	0.75 HP			120/1	2C#6 AWG	21 mmØ EMT	30A-1P	30A-2	REFER TO MECH.	MECH.	ELEC.	ELEC.	MECH.	CONFIRM EQUIPMENT RATING WITH MECHANICAL BEFORE ROUGH-IN AND WIRING INSTALLATION
EF-2	NEW EXHAUST FAN	0.75 HP			120/1	2C#6 AWG	21 mmØ EMT	30A-1P	30A-2	REFER TO MECH.	MECH.	ELEC.	ELEC.	MECH.	CONFIRM EQUIPMENT RATING WITH MECHANICAL BEFORE ROUGH-IN AND WIRING INSTALLATION
EF-3	NEW EXHAUST FAN	1.5 HP			575/3	3C#12 AWG	21 mmØ EMT	15A-3P	30A-3	ON/OFF SWITCH	MECH.	ELEC.	ELEC.	ELEC.	ELECTRICAL CONTRACTOR TO PROVIDE MOTOR STARTER. CONFIRM EQUIPMENT RATING WITH MECHANICAL BEFORE ROGH-IN AND WIRING INSTALLATION.
EF-4	NEW EXHAUST FAN	0.125 HP	0.125		120/1	2C#12 AWG	21 mmØ EMT	15A-1P	30A-2	REFER TO MECH.	MECH.	ELEC.	ELEC.	MECH.	CONFIRM EQUIPMENT RATING WITH MECHANICAL BEFORE ROUGH-IN AND WIRING INSTALLATION
EF-5	NEW EXHAUST FAN	.5 HP			120/1	2C#12 AWG	21 mmØ EMT	20A-1P	30A-2	REFER TO MECH.	MECH.	ELEC.	ELEC.	MECH.	CONFIRM EQUIPMENT RATING WITH MECHANICAL BEFORE ROUGH-IN AND WIRING INSTALLATION
EF-6	NEW EXHAUST FAN	0.75HP	0.75		120/1	2C#10 AWG	21 mmØ EMT	30A-1P	30A-2	REFER TO MECH.	MECH.	ELEC.	MECH.	MECH.	CONFIRM EQUIPMENT RATING WITH MECHANICAL BEFORE ROUGH-IN AND WIRING INSTALLATION
MUA-1	NEW MAKE-UP AIR UNIT		10	14.00	575/3	3C#10 AWG	21 mmØ EMT	25A-3P	30A-3	REFER TO MECH.	MECH.	ELEC.	ELEC.	MECH.	CONFIRM EQUIPMENT RATING WITH MECHANICAL BEFORE ROUGH-IN AND WIRING INSTALLATION
AHU-1	NEW AIR HANDLER UNIT			66.00	575/3	3C#4 AWG	35 mmØ EMT	80A-3P	100A-3	REFER TO MECH.	MECH.	ELEC.	MECH.	MECH.	CONFIRM EQUIPMENT RATING WITH MECHANICAL BEFORE ROUGH-IN AND WIRING INSTALLATION
HRV-1	NEW HEAT RECOVERY VENTILATOR	0.17			120/1	2C#12 AWG	21 mmØ EMT	15A-1P	30A-2	REFER TO MECHANICAL	MECH.	ELEC.	MECH.	MECH.	CONFIRM EQUIPMENT RATING WITH MECHANICAL BEFORE ROGH-IN AND WIRING INSTALLATION
EDH-1	ELECTRIC DUCT HEATER	3			208/1	2C#10 AWG	21 mmØ EMT	20A-2P	30A-2	REFER TO MECHANICAL	MECH.	ELEC.	PACKAGE	PACKAGE	CONFIRM EQUIPMENT RATING WITH MECHANICAL BEFORE ROUGH-IN AND WIRING INSTALLATION
UH-001	GAS FIRED UNIT HEATER			11.0	120/1	EXISTING	EXISTING	20A-1P*	30A-2	REFER TO MECHANICAL	MECH.	ELEC.			RECONNECT EXISTING FEEDER TO THE NEW GAS FIRED UNIT HEATER. PROVIDE NEW DISCONNECT.
UH-002	GAS FIRED UNIT HEATER			6.0	120/1	EXISTING	EXISTING	EXISTING	30A-2	REFER TO MECHANICAL	MECH.	ELEC.			RECONNECT EXISTING FEEDER TO THE NEW GAS FIRED UNIT HEATER. PROVIDE NEW DISCONNECT.
UH-003	GAS FIRED UNIT HEATER			6.0	120/1	EXISTING	EXISTING	EXISTING	30A-2	REFER TO MECHANICAL	MECH.	ELEC.			RECONNECT EXISTING FEEDER TO THE NEW GAS FIRED UNIT HEATER. PROVIDE NEW DISCONNECT.
UH-004	GAS FIRED UNIT HEATER			6.0	120/1	EXISTING	EXISTING	EXISTING	30A-2	REFER TO MECHANICAL	MECH.	ELEC.			RECONNECT EXISTING FEEDER TO THE NEW GAS FIRED UNIT HEATER. PROVIDE NEW DISCONNECT.
UH-005	GAS FIRED UNIT HEATER			6.0	120/1	EXISTING	EXISTING	EXISTING	30A-2	REFER TO MECHANICAL	MECH.	ELEC.			RECONNECT EXISTING FEEDER TO THE NEW GAS FIRED UNIT HEATER. PROVIDE NEW DISCONNECT.
UH-006	GAS FIRED UNIT HEATER			6.0	120/1	EXISTING	EXISTING	EXISTING	30A-2	REFER TO MECHANICAL	MECH.	ELEC.			RECONNECT EXISTING FEEDER TO THE NEW GAS FIRED UNIT HEATER. PROVIDE NEW DISCONNECT.
UH-007	GAS FIRED UNIT HEATER			6.0	120/1	EXISTING	EXISTING	EXISTING	30A-2	REFER TO MECHANICAL	MECH.	ELEC.			RECONNECT EXISTING FEEDER TO THE NEW GAS FIRED UNIT HEATER. PROVIDE NEW DISCONNECT.
UH-008	GAS FIRED UNIT HEATER			11.0		EXISTING	EXISTING	20A-1P*	30A-2	REFER TO MECHANICAL	MECH.	ELEC.			RECONNECT EXISTING FEEDER TO THE NEW GAS FIRED UNIT HEATER. PROVIDE NEW DISCONNECT.
F-1	GAS FIRED FURNACE			15.0	120/1	2C#10 AWG	21 mmØ EMT	20A-1P	30A-2	REFER TO MECHANICAL	MECH.	ELEC.	MECH.	MECH.	PROVIDE NEW WIRING AND REMOVED EXISTING FEEDER BACK TO SOURCE OF PANEL.
CU-1	CONDENSING UNIT			26.0	208/1	2C#8 AWG	25 mmØ EMT	40A-2P	60A-2	REFER TO MECHANICAL	MECH.	ELEC.	MECH.	MECH.	PROVIDE NEW WIRING AND REMOVED EXISTING FEEDER BACK TO SOURCE OF PANEL.

<sup>\*</sup> REPLACE EXISTING 15A-1P BREAKER BY MATCHING NEW 20A-1P BREAKER, COORDINATE ON SITE FOR BREAKER LOCATION.

FOR PRICING ONLY

NOT FOR CONSTRUCTION

## **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.

E	M. EV.		10 Ph	PRAIRIE WAY WINN H: (204)-233-2113	IPEG, MANITOBA FAX: (204)-23	R2J 3J8	ENGINEERS SEAL	THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT			
				DESIGNED BY	D.G/S.N	CHECKED BY	R.M		HVAC AND	ELECTRICAL UPGRADE	CITY DRAWING NO.
,	ICCUED FOR PRIONS	2012/02/22	D. 14	DRAWN BY	O.N	APPROVED BY	R.M		552 PLINGU	ET STREET RVICES GARAGE AND ADJACENT BUILDINGS	<b>SHEET</b> 10 <b>of</b> 10
		2012/08/22 2012/08/16		HOR. SCALE:	AS NOTED	RELEASED FO			WASILWAILK SLIV	WICES GAILAGE AND ADDACENT BUILDINGS	
A	ISSUED FOR CLIENT REVIEW			VERT. SCALE:	: AS NOTED	CONSTRUCTION	N	CONSULTANT DRAWING NO.	<u> </u> 		F-4
J NO	REVISIONS	DATE	BY		2/06/26	DATE		121-19259-00	PANEL AND EC	QUIPMENT SCHEDULES	_ '