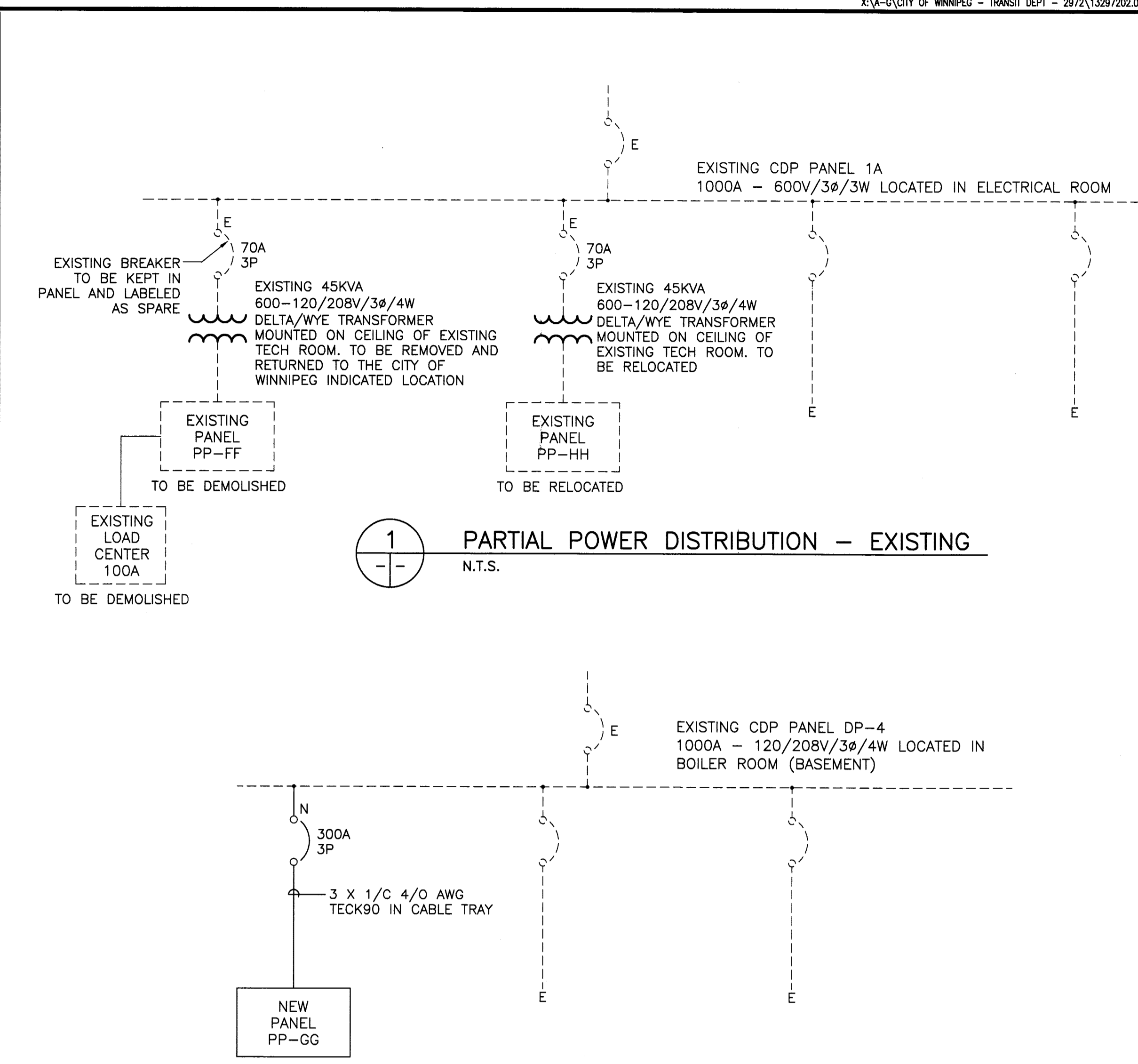
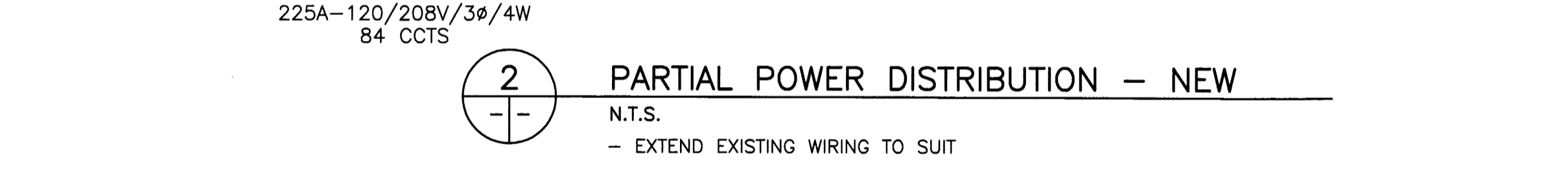


NEW PANEL PP-GG C/W BUILT-IN TVSS											LOCATION: EAST WALL ROOM 104	
120/208 VOLT, 3 PHASE, 4 WIRE											MOUNTING: SURFACE	
225 AMP MAINS											POWER: NORMAL	
DESCRIPTION	LOAD (W)	BREAKER	CCT	A	B	C	CCT	BREAKER	LOAD (W)	DESCRIPTION		
OFFICE 102 RECS	500	15A-1P	1				2	15A-1P	700	RH-1		
OFFICE 102 RECS	500	15A-1P	3				4	15A-1P	400	RH-2		
OFFICE 102 RECS	750	15A-1P	5				6	15A-1P	500	F-1		
OFFICE 103 RECS	500	15A-1P	7				8	15A-1P	400	RH-3		
OFFICE 103 RECS	500	15A-1P	9				10	15A-1P	1360	LIGHTING 101		
OFFICE 103 RECS	500	15A-1P	11				12	15A-1P	160	NIGHT LIGHTS		
OFFICE 104 RECS	500		13				14	15A-1P	560	LIGHTING 102		
OFFICE 104 RECS	500		15				16	15A-1P	640	LIGHTING 103 & 104		
OFFICE 104 RECS	500		17				18					
TECH RM 101 FURN RECS	500		19				20	30A-2P	1800	CHIP REMOVER MACHINE		
TECH RM 101 FURN RECS	500		21				22	15A-1P	1800	FURN. TASK LIGHTING		
TECH RM 101 FURN RECS	500		23				24					
TECH RM 101 FURN RECS	500		25				26					
TECH RM 101 FURN RECS	500		27				28					
TECH RM 101 FURN RECS	500		29				30					
TECH RM 101 FURN RECS	500		31				32					
TECH RM 101 FURN RECS	500		33				34					
TECH RM 101 FURN RECS	500		35				36					
TECH RM 101 FURN RECS	500		37				38					
TECH RM 101 FURN RECS	500		39				40					
TECH RM 101 FURN RECS	500		41				42					
CLG MOUNTED RETRACTABLE	250		43				44					
GEN RCS 101	500		45				46					
120V FOR L.V.	500		47				48					
BATTERY BANK #1	500		49				50					
EXIT SIGNS	100		51				52					
			53				54					
			55				56					
			57				58					
			59				60					
			61				62					
			63				64					
			65				66					
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			69				70					
			71				72					
			73				74					
			75				76					
			77				78					
			79				80					
			81				82					
			83				84					



EXISTING PANEL DP-5											LOCATION: SURFACE	
600 VOLT, 3 PHASE, 3 WIRE											MOUNTING: SURFACE	
150 AMP MAINS											POWER: NORMAL	
DESCRIPTION	LOAD	BREAKER	CCT	A	B	C	CCT	BREAKER	LOAD	DESCRIPTION		
EXISTING		15 AMP	1				2			EXISTING		
			3				4					
			5				6					
EXISTING		15 AMP	7				8			EXISTING		
			9				10					
			11				12					
			13				14					
EXISTING		15 AMP	15				16	20A 3P		NEW RTU		
			17				18					
			19				20					
			21				22					
			23				24					



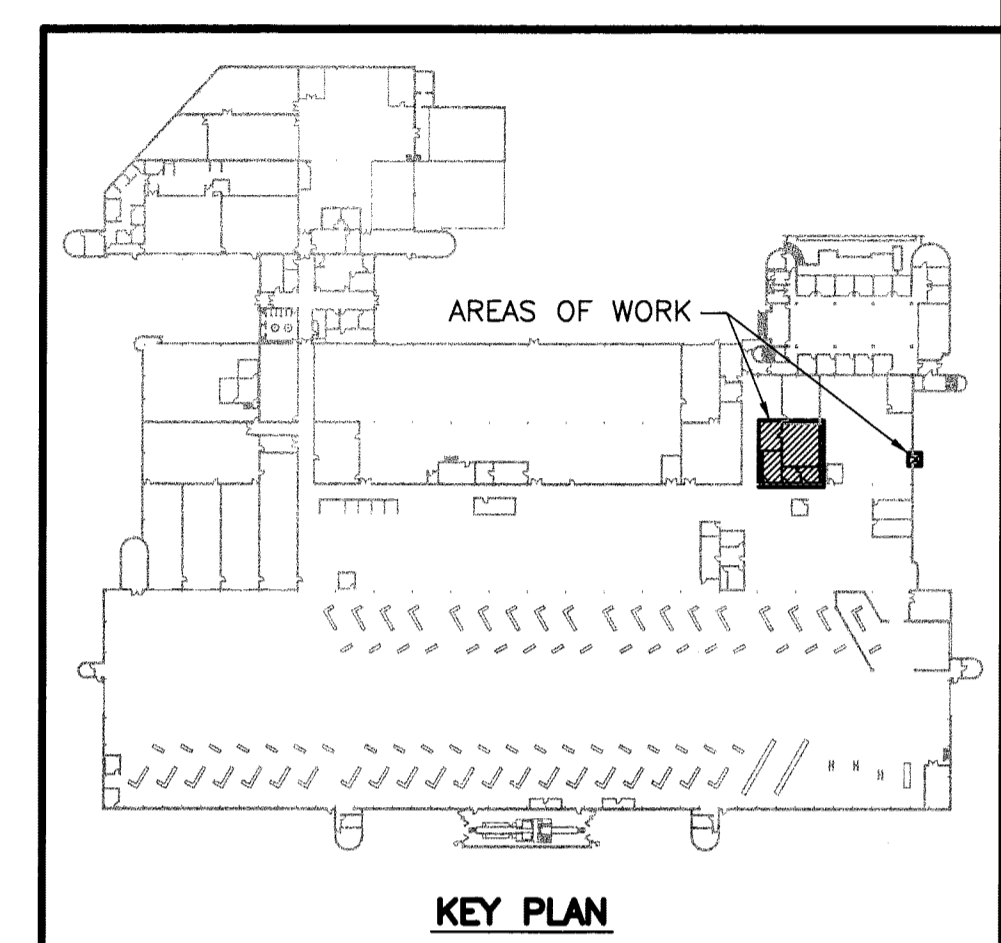
EMERGENCY LIGHTING SCHEDULE					
TYPE	DESIGN	MANUFACTURER	CATALOGUE NO.	VOLTS	REMARKS
EXIT SIGN	E-1	LUMACELL	LER3-500-WH-120	120V	4X RATED EXIT SIGN
EMERGENCY HEADS	-	LUMACELL	MQM-2-LD13	24VDC	MICRO LIGHT SERIES, C/W 24V-4W LED LAMP. CSA CERTIFIED.
BATTERY UNITS	BB1	LUMACELL	RG24S-144-2-LD13	120V 24V	SUPPLY VOLTAGE: 120VAC OUTPUT VOLTAGE: 24VDC OPERATING TIME: 30 MINUTES BATTERY: SEALED, MAINTENANCE FREE. CHARGER: SOLID STATE, MULTI-RATE, VOLTAGE/CURRENT REGULATED, INVERSE TEMP. COMPENSATED, SHORT CIRCUIT PROTECTED, MODULAR CONSTR. SOLID STATE TRANSFER, LOW VOLTAGE DISC. SIGNAL LIGHTS "LED". HEAD: C/W TWO ADJUSTABLE EMERG. LTG. HEADS. MOUNTING: C/W T.L. RECEPTACLE, AND MOUNTING SHELF.

MOTOR SCHEDULE NOTES:

- ELECTRICAL SUBCONTRACTOR SHALL REFER TO MECHANICAL DRAWINGS FOR ALL NEW AND EXISTING MOTOR LOCATIONS. CONFIRM ALL ELECTRICAL RATINGS AND SIZES PRIOR TO SUPPLYING AND INSTALLING OF WIRING AND CIRCUIT BREAKERS AS PER MECHANICAL SHOP DRAWINGS. REPORT ANY DISCREPANCIES OR SUBSTITUTIONS PRIOR TO INSTALLATION.
- ALL CONTROL WIRING FOR MECHANICAL ITEMS SHALL BE PROVIDED BY MECHANICAL CONTROLS SUBCONTRACTOR. REFER TO MECHANICAL SPECIFICATIONS.
- PROVIDE DISCONNECT SWITCHES FOR ALL EQUIPMENT AS REQUIRED BY CODE. PROVIDE WEATHERPROOF DISCONNECTS AS REQUIRED ON ROOF AND WET AREAS.
- ALL DEVICES TO HAVE RIVETED LAMACOID NAMEPLATES.
- ELECTRICAL SUBCONTRACTOR TO PROVIDE ALL MECHANICAL INTERLOCK WIRING.
- NOT ALL MECHANICAL EQUIPMENT MAY BE SHOWN ON THIS DRAWING. CONFIRM MECHANICAL EQUIPMENT LIST, AMPERAGE, LOCATIONS, ACCESSORIES AND CONTROLS REQUIREMENTS WITH MECHANICAL SUBCONTRACTOR AND MECHANICAL DRAWINGS.

MOTOR SCHEDULE																						
No	MOTOR			DESCRIPTION	LOCATION	VOLTS / φ	PACKAGE UNIT	STARTER & ACCESSORIES				FEEDER		BREAKER	CIRCUIT	F/A SHUT DN.	CONTROL				REMARKS	
	HP	KW	AMP					TYPE	FUNCTION	PL	PB	HOA	WIRE				CONDUIT	WITH	DEVICE	SUPP. BY		WIRED BY
RTU-1	-	-	12.76	AIR HANDLING UNIT	ROOF 102	600/3	YES	MAG	FVNR	-	-	-	3#8 RW90Cu+G	27mmC	20A-3P	DP-5/14,16,18	YES	-	MECH	MECH	MECH	SEE MOTOR SCHED. NOTE 7
F-1	0.5	-	-	SOLDERING BOOTH EXHAUST	ROOF 101	120/1	-	MAG	FVNR	-	-	-	3#8 RW90Cu+G	27mmC	30A-1P	PP-GG/6	YES	-	-	MECH	MECH	PROVIDE POWER WIRING & DISCONNECT
RH-1	-	0.7	-	ELECTRICAL REHEAT COIL	102	120/1	-	-	-	-	-	-	3#10 RW90Cu+G	27mmC	15A-1P	PP-GG/2	-	-	-	MECH	MECH	PROVIDE POWER WIRING
RH-2	-	0.4	-	ELECTRICAL REHEAT COIL	104	120/1	-	-	-	-	-	-	3#10 RW90Cu+G	27mmC	15A-1P	PP-GG/4	-	-	-	MECH	MECH	PROVIDE POWER WIRING
RH-3	-	0.4	-	ELECTRICAL REHEAT COIL	103	120/1	-	-	-	-	-	-	3#10 RW90Cu+G	27mmC	15A-1P	PP-GG/8	-	-	-	MECH	MECH	PROVIDE POWER WIRING

REFERENCE DRAWINGS	
NO.	DESCRIPTION



NO.	DATE	DESCRIPTION	PREPARED	REVIEW	DESIGN	AUTHORIZE
00	13.06.27	ISSUED FOR CONSTRUCTION	KS	HC	KS	
REVISIONS/ISSUE			DRAFTING	REVIEW	ENGINEERING	

PROVINCE OF MANITOBA
H.A.
June 27, 2013
Member
22882
REGISTERED PROFESSIONAL ENGINEER

APEGM
Certificate of Authorization
TETRA TECH WEI Inc.
No. 5313 Date: April 30, 2014

ORIGINAL SIGNED 13.06.27

DESIGNED BY	PREPARED BY	REVIEWED BY
HC	KS	HC
AUTHORIZED BY	DATE	SCALE
	2013.05.24	AS NOTED

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CITY OF WINNIPEG
TRANSIT DEPARTMENT

TETRA TECH

PROJECT NAME:
ELECTRICAL SECTION RENOVATION AT THE WINNIPEG TRANSIT GARAGE, 421 OSBORNE STREET

DRAWING DESCRIPTION:
ELECTRICAL SCHEDULES

DRAWING NO.: 1329720200-DWG-E0005

REV: 00