

1 FLOOR PLAN
1 : 75

LUMINAIRE SCHEDULE (all equipment to be MB Hydro Power Smart Approved)						
TYPE	MANUFACTURER	MODEL #	MOUNTING	LAMP	VOLTAGE	COMMENTS
1	VISIONEERING	FHBV648T5H054P UNIV-VF1	CHAIN SUSPENDED FROM CLG	FLUORESCENT	120V	CONFIRM BUILDING HEIGHT AND SUSPENSION LENGTH
2	LITHONIA	CSXW-LED-30C-700-40K-TFTM-120-BBW-PE-DBLXD	WALL MOUNTED	LED	120V	LUMINAIRE TO BE FULL CUT OFF C/W PHOTOCELL

- NOTES:**
- ALL FLUORESCENT LAMPS SHALL BE C/W FULLY ELECTRONIC BALLASTS.
 - ELECTRICAL SUBCONTRACTOR SHALL SUBMIT "POWER SMART PROGRAM" APPLICATION TO MANITOBA HYDRO ON BEHALF OF THE CITY OF WINNIPEG. ALL HYDRO REBATES SHALL BE ADDRESSED AND RETURNED TO THE CITY OF WINNIPEG AND A COPY TO THE CONTRACT ADMINISTRATOR.

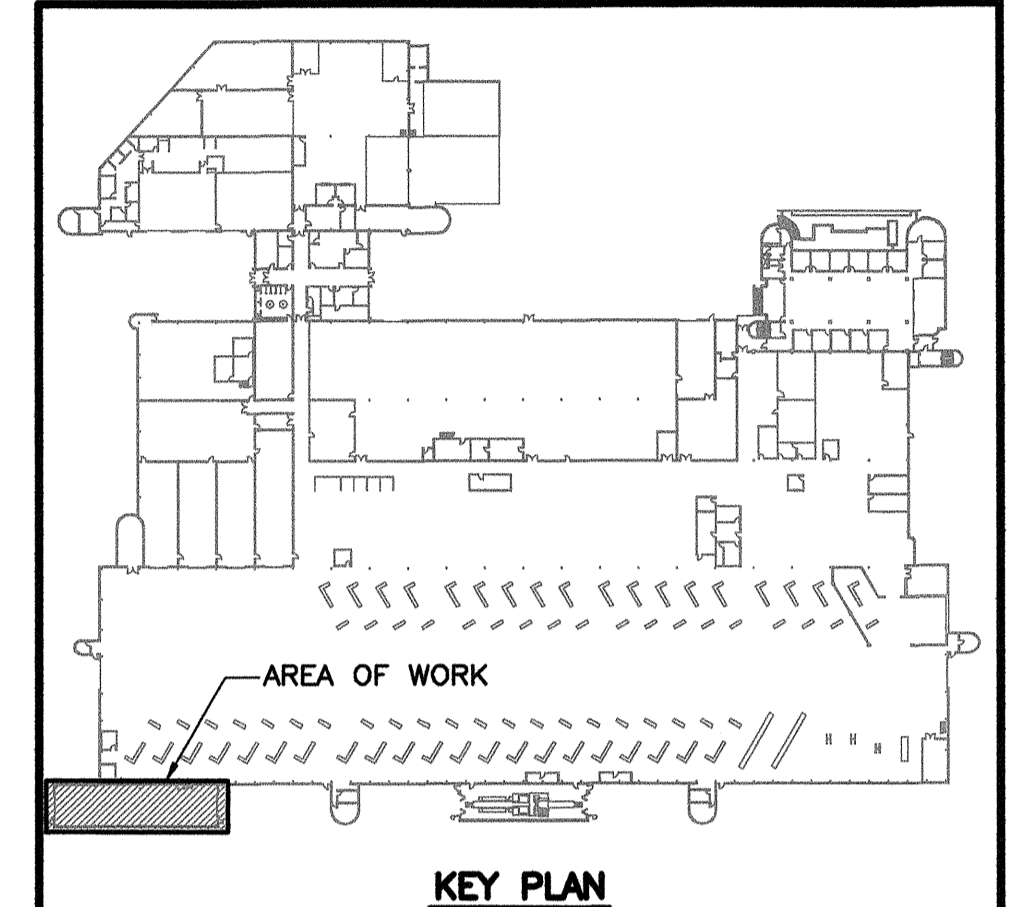
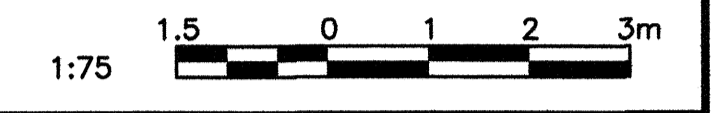
ELECTRICAL SYMBOL LEGEND

	2'x4' FLUORESCENT LUMINAIRE TYPE 1		DUPLEX RECEPTACLE WITH GROUND FAULT WP DENOTES WEATHER-PROOF		N NEW ITEM
	2'x4' FLUORESCENT LUMINAIRE TYPE 1 ON NIGHTLIGHT/UNCONTROLLED CIRCUIT		220V/1Ø RECEPTACLE		R RELOCATED ITEM
	WALL MOUNTED LUMINAIRE TYPE 2		DISCONNECT SWITCH		TL TWIST LOCK
	DOUBLE HEAD EMERGENCY LUMINAIRE C/W BATTERY BANK		JUNCTION BOX		TL CEILING MOUNTED VOICE/DATA
	REMOTE WALL MOUNTED DOUBLE HEAD EMERGENCY LUMINAIRE		MOTOR CONNECTION C/W DISCONNECT SWITCH		DL DUPLEX VOICE/DATA OUTLET
	SINGLE FACE WALL MOUNTED EXIT SIGN		120/208V, 3-PHASE, 4-WIRE SURFACE MOUNTED ELECTRICAL POWER PANEL		FAB FIRE ALARM BELL 254mm
	TWO POLE TOGGLE SWITCH		FIRE ALARM PULLSTATION		SL STROBE LIGHT
	SINGLE GANG TOGGLE SWITCH CONTROLLING CIRCUIT		SMOKE DETECTOR MOISTURE TYPE		CR CARD READER
	3 WAY SWITCH		EXISTING ITEM TO REMAIN		MS MANUAL MOTOR STARTER
	DUPLEX RECEPTACLE		ITEM TO BE MOVED		DOI DOOR OPENER INDICATOR
	DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER TOP		ROUTER WI-FI		F.A. ISOLATION MODULE
			30A 208V/3-PHASE WELDER		SPA SPEAKER FOR PUBLIC ADDRESS
			WHISTLE HORN		TR TRANSFORMER
			POWER DIRECT CONNECTION		

NOTES:

- REFER TO ELECTRICAL KEY PLAN AND SYMBOL LEGEND (DWG E0001) FOR ELECTRICAL SYMBOLS AND LETTERS DESIGNATION.
- ALL MATERIAL SHALL BE NEW AND BE CSA APPROVED OR ULC LISTED
- ALL WIRING SHALL BE IN CONDUIT, & MINIMUM #12 AWG COPPER
- ALL INTERIOR WIRING IN CEILING SPACE IN DRY AREAS SHALL BE AC90 (ARMORED) CABLE OR RW90 WIRE INSTALLED IN EMT AND RGS CONDUIT. ALL EMT AND RGS CONDUIT SHALL INCLUDE A DEDICATED INSULATED GREEN GROUND WIRE.
- ALL WIRING AND CONDUITS SHALL BE THREADED RGS SURFACE IN CONCRETE WALLS. RGS CONDUIT ON WALL TO BE WITH STAND OFFS TO AVOID ACCUMULATION OF DIRT BETWEEN CONDUIT AND WALL JOINTS AND FITTINGS TO BE WATERTIGHT.
- ELECTRICAL SUBCONTRACTOR IS RESPONSIBLE FOR SEALING ALL PENETRATIONS THROUGH FIRE RATED WALLS AND ASSEMBLIES WITH RATED FIRE STOP RATED EQUAL TO THAT OF THE ADJACENT MATERIALS. ALL FIRE STOP MATERIALS AND INSTALLATION SHALL CONFORM TO UL 1479 AND ASTM E-814-10
- ALL CIRCUITING IS FOR GROUPING PURPOSES ONLY. ELECTRICAL CONTRACTOR TO ENSURE PANELS ARE PROPERLY BALANCED.
- ALL CIRCUITS SHOULD HAVE A SEPARATE GROUND.
- ALL "NIGHT LIGHT" LUMINAIRES ARE ENERGIZED 24 HOURS WITHOUT LIGHTING CONTROL.
- PROVIDE A MINIMUM OF 100 HOURS OF BURN-OUT TIME FOR ALL LUMINAIRES.
- PROVIDE EXTRA LENGTH OF COILED ELECTRICAL CONDUCTOR PER EACH LUMINAIRE FOR POTENTIAL RELOCATION. ALL LUMINAIRE WIRING TO BE DONE IN CONDUIT.
- ALL LUMINAIRES BALLAST AND LAMPS SHALL BE APPROVED UNDER THE MANITOBA HYDRO POWER SMART PROGRAM AND APPROVED BY LUMINAIRES MANUFACTURER FOR WARRANTY PURPOSES. ELECTRICAL CONTRACTOR TO PROVIDE LAMP CUT SHEETS WITH SHOP DRAWING OF EACH LUMINAIRE FOR APPROVAL.
- REFER TO ARCHITECTURAL DRAWINGS FOR BUILDING DETAILS.
- NOT ALL ELECTRICAL DEVICES ARE SHOWN ON WALLS BEING MODIFIED OR AFFECTED BY RENOVATION. IN ADDITION TO ITEMS SHOWN, REMOVE AND RELOCATE ALL ELECTRICAL DEVICES ON WALLS AND PORTIONS OF THE BUILDING BEING AFFECTED WITH RENOVATION/ADDITION. THIS NOTE ALSO APPLIES TO DRAWING 1329720500-DWG-E0002.
- FINAL LIGHTING LUMINAIRES LOCATIONS TO BE COORDINATED ON SITE BASED ON OPTIMAL BUS LOCATION SO TASKS CAN BE PERFORMED ACCORDINGLY. CONFIRM ON SITE.
- PROVIDE GROUNDED EXTENSION CORDS FOR EQUIPMENT AND TEMPORARY LIGHTS REQUIRED FOR ELECTRICAL WORK.

NO.	DESCRIPTION



NO.	DATE	DESCRIPTION	PREPARED	REVIEW	DESIGN	AUTHORIZE
00	14.01.17	ISSUED FOR CONSTRUCTION	HA	HC	HC	

SEAL

PERMIT STAMP

DESIGNED BY:	PREPARED BY:	REVIEWED BY:
HC	BM/HA	HC
AUTHORIZED BY:	DATE:	SCALE:
	13.11.15	AS NOTED

THE CONTENT OF THIS DOCUMENT IS NOT INTENDED FOR THE USE OF, NOR IS IT INTENDED TO BE RELIED UPON BY ANY PERSON, FIRM OR CORPORATION OTHER THAN THE CLIENT AND TETRA TECH WEI INC. (Tetra Tech). TETRA TECH WEI INC. (Tetra Tech) DENIES ANY LIABILITY WHATSOEVER TO OTHER PARTIES FOR DAMAGES OR INJURY SUFFERED BY SUCH THIRD PARTY ARISING FROM THE USE OF THIS DOCUMENT BY THEM, WITHOUT THE EXPRESSED WRITTEN AUTHORITY OF TETRA TECH WEI INC. (Tetra Tech) AND OUR CLIENT. THIS DOCUMENT IS SUBJECT TO FURTHER RESTRICTIONS IMPOSED BY THE CONTRACT BETWEEN THE CLIENT AND TETRA TECH WEI INC. (Tetra Tech) AND THESE PARTIES' PERMISSION MUST BE SOUGHT REGARDING THIS DOCUMENT IN ALL OTHER CIRCUMSTANCES.

CLIENT: CITY OF WINNIPEG
TRANSIT DEPARTMENT

TETRA TECH

PROJECT NAME:
CITY OF WINNIPEG TRANSIT - FORT ROUGE GARAGE
BUS MAINTENANCE ADDITION

DRAWING DESCRIPTION:
ELECTRICAL
PARTIAL MAIN FLOOR PLAN
LIGHTING

DRAWING NO: 1329720500-DWG-E0001	REV: 00
-------------------------------------	------------