

NOTES:

1. TYPE A LIGHT FIXTURE SHALL BE VAPOUR-TIGHT, 2X32W T8 FLUORESCENT C/W COLD WEATHER BALLASTS. ACCEPTABLE MANUFACTURER: LITHONIA DMW 2 32 120 ADOP CSA OR APPROVED EQUAL.
2. TYPE B LIGHT FIXTURE SHALL BE WEATHER-PROOF WALL PAK, 100W METAL HALIDE C/W WIRE GUARD AND PHOTOCELL. ACCEPTABLE MANUFACTURER: LITHONIA TWP 100M 120 PE CSA WG OR APPROVED EQUAL.

ELECTRICAL SPECIFICATION:

1. PROVIDE ALL MATERIALS, LABOUR, PLANT AND EQUIPMENT NECESSARY TO MAKE A COMPLETE INSTALLATION AS DESCRIBED AND SHOWN. THIS INSTALLATION SHALL BE LEFT COMPLETE AND READY FOR OPERATION.
2. THE ENTIRE INSTALLATION SHALL BE GUARANTEED FOR ONE YEAR FROM DATE OF FINAL ACCEPTANCE BY THE CITY. REPLACE, AT NO COST, ANY WORK OR MATERIAL WHICH MAY FAIL OR PROVE DEFECTIVE DURING THE GUARANTEE PERIOD.
3. THE INSTALLATION SHALL CONFORM IN EVERY RESPECT TO THE RULES AND REGULATIONS OF THE LATEST EDITION OF THE CANADIAN ELECTRICAL CODE AND ALL LOCAL CODES. ALL WORK SHALL BE UNIFORM AND HIGH QUALITY. ALL EQUIPMENT SUPPLIED UNDER THIS CONTRACT SHALL BE NEW AND BUILT IN ACCORDANCE WITH EEMAC STANDARDS AND SHALL BE CSA AND LOCALLY APPROVED.
4. CAREFULLY EXAMINE ALL PLANS AND SPECIFICATIONS PERTAINING TO THIS CONTRACT AND VISIT SITE TO DETERMINE ALL FACTORS AFFECTING COSTS AND INCLUDE SAME IN BID OPPORTUNITY. NOTIFY CONTRACT ADMINISTRATOR OF DISCREPANCIES OR CONFLICTIONS WITH ANY REGULATION BEFORE SUBMITTING PRICE. FAILING SUCH NOTIFICATION, THIS CONTRACTOR SHALL MEET SUCH REQUIREMENTS WITHOUT EXTRA COST TO THE CITY.
5. OBTAIN ALL NECESSARY PERMITS, PAY ALL NECESSARY FEES, GIVE ALL NECESSARY NOTICES, AND OBTAIN APPROVAL OF THE ELECTRICAL INSPECTOR HAVING JURISDICTION.
6. UNLESS OTHERWISE SHOWN ON THE PLANS, ALL BRANCH WIRING SHALL BE INSTALLED IN PVC CONDUIT WITH WATER TIGHT CONNECTORS. MINIMUM WIRE SIZE SHALL BE #12 RW90 COPPER. ALL WIRING SHALL BE PROPERLY SECURED IN A NEAT WORKMANLIKE MANNER. PANEL FEEDERS SHALL BE INSTALLED IN CONDUIT UNLESS OTHERWISE NOTED ON THE DRAWINGS.
7. OUTLET, JUNCTION AND SWITCH BOXES SHALL BE PVC AND SIZED ACCORDING TO THE CEC AND TO SUIT EACH APPLICATION.
8. MULTI-POLE BREAKERS SHALL BE OF ONE PIECE CONSTRUCTION AND WITH COMMON TRIP. PANEL DIRECTORIES SHALL BE TYPEWRITTEN. ACCEPTABLE MANUFACTURERS: EATON, SQUARE D, SIEMENS
9. SUPPLY AND INSTALL CIRCUIT BREAKER PANELBOARD AS SHOWN ON THE DRAWING. PANELBOARD ENCLOSURE SHALL BE CSA 4 CONSTRUCTION.
10. WIRING DEVICES SHALL BE COMMERCIAL GRADE.
11. COVERPLATES FOR SWITCHES AND RECEPTACLES SHALL BE WEATHER-TIGHT PVC.
12. THE ENTIRE INSTALLATION SHALL BE GROUNDED IN CONFORMANCE WITH THE CANADIAN ELECTRICAL CODE.

PLAN AT ELEV 233.030

Scale 1 : 50

PANEL "A"									
CCT NO	DESCRIPTION	LOAD	TRIP AMPS	N AB	TRIP AMPS	LOAD	DESCRIPTION	CCT NO	
01	INTERIOR LIGHTS		15A	↑			SPACE	02	
03	EXTERIOR LIGHTS		15A					SPACE	04
05	20A RECEPTACLE		20A					SPACE	06
07	SPARE		15A					SPACE	08
09	HEATER		30A					SPACE	10
11	RECEPTACLE		2P					SPACE	12
13	SPACE							SPACE	14
15	SPACE							SPACE	16
17	SPACE							SPACE	18

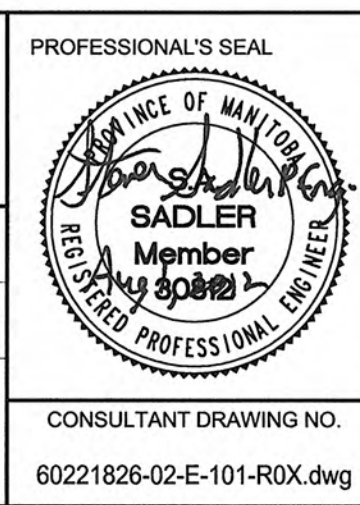
VOLTAGE: 120/240V PHASE: 1 WIRE: 3 BREAKER I.C.: 10KA
 MAIN BREAKER: 60A MAINS: 100A FEEDER: 3-1/C #6 AWG
 MOUNTING: SURFACE LOCATION: FLOOD CONTROL STRUCTURE INTERIOR
 FED FROM: METER ENCLOSURE
 NOTES: CSA 4 ENCLOSURE



METRIC
 WHOLE NUMBERS INDICATE MILLIMETRES
 DECIMALIZED NUMBERS INDICATE METRES

NO.	REVISIONS	YYMMDD	BY
0	ISSUED FOR CONSTRUCTION	12/07/07	WJd/KLC

AECOM		DESIGNED BY: LK	CHECKED BY: [Signature]
		DRAWN BY: QL	APPROVED BY: [Signature]
HOR. SCALE: AS SHOWN		RELEASED FOR CONSTRUCTION	
VERT. SCALE: N/A			
DATE: 12/08/01		DATE:	



BID OPPORTUNITY NO. 587-2012

THE CITY OF WINNIPEG
WATER & WASTE DEPARTMENT

CONSTRUCTION OF FLOOD CONTROL STRUCTURE AT PEMBINA HIGHWAY & BEAUJOLAIS COULEE

ELECTRICAL FLOOD CONTROL STRUCTURE PLAN AND SCHEDULES

SHEET 19 OF 19
 CITY DRAWING NUMBER: LD-5858
 REV: 0

CONSULTANT DRAWING NO.: 60221826-02-E-101-R0X.dwg