	LUMINAIRE SCHEDULE												
TYPE	FIXTURE CATEGORY	LAMPS	MOUNTING	VOLTAGE	WATT	MANUFACTURER	PART NUMBER	LIGHT COLOR TEMPERATURE (K)	REMARKS	QUANTITY			
1	LINEAR LED	LED	CEILING - SURFACE	120	46	DAY BRITE	DWAE51LH840-4-UNV	4000	C/W WITH WET LOCATION INSTALLATION ACCESSORIES	8			
2	OUTDOOR WALL SCONCE	LED	WALL - SURFACE	120	37	KEENE	LP32-T	4000	CONFIRM COLOR PRIOR TO ORDER	4			

	EQUIPMENT & MOTORS SCHEDULE										
TYPE	ITEM LOCATION	DESCRIPTION	VOLTAGE	W/AMP	MANUFACTURER	PART NUMBER	REMARKS	QUANTITY			
EF-1	WALL	EXHAUST FAN (PROVISION)	120	200	REFER TO MECHANICAL DRAWINGS	REFER TO MECHANICAL DRAWINGS	-	1			



PANEL: (P-C)					VOLT	AGE:					PHASE	
FANEL: (F-O)		BUS: 100 A - MAIN LUG						WIRE: 4				
LOCATION: SHED					FED I	FROM	CDP					
DESCRIPTION	LOAD/WATTS BKR			BKR	CIRCUIT		BKR	LOAD/WAT		TS	DESCRIPTION	
DESCRIPTION	A B C		SIZE	SIZE			Α	В	С	DESCRIPTION		
GAS DETECTION SYSTEM	100			15	1		2	15				
DISCONNECT - EXHAUST FAN - (EF-1)-EST.		200		15	3		4	20		400		RECEPTWORK BENCH-1
SPACE					5		6	20			400	RECEPTWORK BENCH-2
RECEPTAIR COMPRESSOR	1200			20	7		8	20	400			RECEPTWORK BENCH-3
RECEPTELECTRICAL PANEL		400		20	9		10	15		500		DISCONNECT - MECHANICAL - PROVISION
RECEPTGENERAL USE-2			400	20	11		12					SPACE
RECEPTBLOCK HEATER-1	1000			20	13		14	2P	400			DISCONNECT - OVERHEAD DOOR -
RECEPTBLOCK HEATER-2		1000		20	15		16	15		400		ESTIMATED
RECEPTBLOCK HEATER-3			1000	20	17		18	15			368	LIGHTS - SPACE
SPACE					19		20	15	148			LIGHTS - OUTDOOR
SPACE					21		22					SPACE
SPACE					23		24					SPACE
SPACE					25		26					SPACE
SPACE					27		28					SPACE
SPACE					29		30					SPACE
SPACE					31		32					SPACE
SPACE					33		34					SPACE
SPACE					35		36					SPACE
SPACE					37		38					SPACE
SPACE					39		40					SPACE
SPACE					41		42					SPACE
LIGHTING MOTOR	0.52 1.40			Т	OTAL	8.3 K\		ATING MISC.		KW		



		MANITOBA ENERGY CODE FOR BUILDINGS (MECB) ELECTRICAL COMPLIANCE MATRIX									
#	CLAUSE	ITEM	NOTES	VERDICT	UNITS						
1	4.2.1. INTE	RIOR LIGHTING POWER									
2		4.2.1.1. EXIT SIGNS	PER SIGN	-	W						
3		4.2.1.2. FLUORESCENT LAMP BALLASTS		NO FLUORESCENT FIXTURES SPECIFIED							
4		4.2.1.3. LIMITS TO INSTALLED INTERIOR LIGHTING POWER		WITHIN LIMIT							
5		4.2.1.5. CALCULATION OF INTERIOR LIGHTING POWER ALLOWANCE USING THE BUILDING AREA METHOD		WAREHOUSE							
6		ALLOWED LIGHTING DENSITY	TABLE 4.2.1.5 WAREHOUSE	7.1	W/SQ M						
7		BUILDING AREA		82	SQ M						
8		BUILDING SERVICE AREA		0	SQ M						
9		ALLOWED LIGHTING DENSITY IN BUILDING		582	W						
10		ACTUAL LIGHTING DENSITY		368	W						
11		4.2.2.2. LIGHTING CONTROLS IN ENCLOSED SPACES		PROVIDED							
12	4.2.2. INTE	RIOR LIGHTING CONTROLS		PROVIDED							
13	4.2.3. EXTE	ERIOR LIGHTING POWER									
14		LIGHTING ZONE CLASSIFICATION	TABLE 4.2.3.1.A.	2							
15		BASIC LIGHTING ALLOWANCE	ALLOWED PER TABLE 4.2.3.1.B.	600	W						
16			USED	<u>148</u>	W						
17		SPECIFIC BUILDING EXTERIOR APPLICATIONS	ALLOWED PER TABLE 4.2.3.1.C.		W/M						
18			LENGTH OF FAÇADE		М						
19			ALLOWED LIGHTING	NOT USED	W						
20			USED	NOT USED	W						
21			ALLOWED PER TABLE 4.2.3.1.C MAIN ENTRY		W						
22			USED		W						
23	4.2.4. EXTE	ERIOR LIGHTING CONTROLS	PHOTOCELL & TIME-LOCK PROVIDED								
24	7.2.1. ELEC	CTRICAL DISTRIBUTION SYSTEM									
25		7.2.1.1. (1) MONITORING		SERVICE IS LESS THAN 250KVA							
26		7.2.1.1. (2) MONITORING		N/A							
27	7.2.2. VOL	TAGE DROP		PER WEB TABLES							
28	7.2.3. TRA	NSFORMERS		NO TRANSFORMERS SPECIFIED							
29	7.2.4. ELEC	CTRICAL MOTORS									
30		7.2.4.1. EFFICIENCY		NOTE INCLUDED IN EQUIPMENT SCHEDULES TO MEET CODE REQUIREMENTS							





120/208V-3PH

UNIT TYPE: STORAGE SHED TYPICAL FOR: 1 UNITS

SIZE: 82 m²

1 - BASIC COMMERCIAL LOAD 5 W/m² 2 - HEATING, VENTILATION & A/C 500 W 3 - ELECTRIC HEAT 0 W 4 - OWNER/ADDITIONAL EQUIPMENT 5 - PARKING RECEPTACLES 4542 W 3000 W 6 - EXTERIOR LIGHTING

8- MINIMUM SIZE OF SERVICE/UNIT:

8600 W/ 120 V/ 3 PH= 24 AMPS

DEMAND CALCULATIONS





Certificate of Authorization Ibasa Enterprises Inc. No. 5474 Expiry: April 30, 2017

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bridgman collaborative Project:

490 KEENLEYSIDE EAST ELMWOOD STORAGE SHED

Bid Opportunity Number: 630-2016 Drawing Title: ELECTRICAL SYSTEMS - DEMAND CALC, PANEL, & EQUIPMENT SCHEDULES Date: JULY 29, 2016

ISSUED FOR CONSTRUCTION

Sheet No:

E04

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