

ELECTRICAL SPECIFICATIONS		
<div>1. COMPLY WITH ALL DIVISION 1 GENERAL CONDITIONS.</div> <div>2. OBTAIN ALL APPROVALS FROM PUBLIC AUTHORITIES HAVING JURISDICTION, BEFORE COMMENCING WORK AND PAY CONNECTION, CABLE AND ALL INSPECTION FEES AND ALL PERMITS. COMPLY WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE APPLICABLE C.S.A. STANDARDS, ALBERTA BUILDING CODE, ALBERTA ELECTRICAL SAFETY CODE, APPLICABLE U.L.C. STANDARDS AND THE OWNERS' REQUIREMENTS. SUBMIT CERTIFICATE OF INSPECTION AND APPROVAL FROM ALL AUTHORITIES HAVING JURISDICTION. DO NOT REDUCE THE STANDARDS ESTABLISHED BY THE DRAWINGS AND SPECIFICATIONS BY APPLYING ANY OF THE CODES REFERRED TO HEREIN. PROVIDE ALL NECESSARY DUCTBANKS AS REQUIRED BY HYDRO IN ACCORDANCE WITH THEIR SPECIFICATIONS. SUBMIT ALL NECESSARY DRAWINGS TO HYDRO FOR THEIR APPROVAL.</div> <div>3. PROVIDE PROOF OF PUBLIC LIABILITY AND PROPERTY DAMAGE INSURANCE COVERAGE AND AMOUNT. SUBMIT WITH TENDER.</div> <div>4. DRAWINGS – EXAMINE ARCHITECTURAL, STRUCTURAL AND MECHANICAL DRAWINGS BEFORE PROCEEDING WITH THE WORK.  ANY DISCREPANCIES BETWEEN DRAWINGS AND/OR SPECIFICATIONS MUST BE REFERRED TO THE ARCHITECT BEFORE ANY AFFECTED WORK IS COMMENCED.</div> <div>5. ENSURE THAT ALL ELECTRICAL EQUIPMENT SUPPLIED BY OTHER TRADES IS SUITABLE FOR THE RESPECTIVE VOLTAGE.  CONFIRM POWER REQUIREMENTS OF ALL OWNER SUPPLIED EQUIPMENT.</div> <div>6. ALL CUTTING AND PATCHING REQUIRED FOR THE WORK OF THIS DIVISION SHALL BE CARRIED OUT BY THIS DIVISION. NO CHASING BLOCKWORK WILL BE ALLOWED.  BE RESPONSIBLE AND PAY FOR ANY DAMAGE TO THE BUILDING INCURRED BY WORK OF THIS DIVISION.</div> <div>7. SUBMIT 4 COPIES OF SHOP DRAWINGS FOR REVIEW AND RECORDS.</div> <div>8. ALL MATERIALS USED THROUGHOUT SHALL BE NEW, OF BEST QUALITY C.S.A. APPROVED AND OF ONE MANUFACTURE. WHEREVER TRADE NAMES ARE NOT USED TO DESCRIBE MATERIALS, THESE MATERIALS SHALL BE OF BEST AVAILABLE QUALITY AND MANUFACTURE. OBTAIN AND PAY FOR SPECIAL HYDRO INSPECTION OF SPECIFIED NON–C.S.A. ELECTRICAL EQUIPMENT.</div> <div>9. PROVIDE ALL CONDUIT, WIRING, BOXES, SWITCHES, OUTLETS, DEVICES, ETC., AS REQUIRED. MAKE FINAL CONNECTIONS TO VIBRATING EQUIPMENT WITH FLEXIBLE CONDUIT.</div> <div>10. PROVIDE ALL HANGERS, INSERTS AND SUPPORTS OF APPROVED TYPES REQUIRED FOR THE WORK OF THIS DIVISION. PROVIDE CONDUIT FOR ALL SERVICES PENETRATING THE FLOOR SLAB. SEAL ALL PENETRATIONS THROUGH FLOOR SLABS WITH AN APPROVED NON–SHRINK, WATERPROOF AND FIREPROOF SEALANT APPROVED BY ARCHITECT.</div> <div>11. ALL CONDUIT SHALL BE RIGID STEEL THICK WALLED OR EMT THINWALL WITH STEEL SET SCREW COUPLINGS AND CONNECTORS WITH INSULATED THROATS UNLESS OTHERWISE NOTED. EXPOSED CONDUITS AND WIREMOLD CHANNELS SHALL BE NEAT IN APPEARANCE, RUN PARALLEL TO BUILDING LINES AND CONCENTRIC RIGHT ANGLE BENDS ONLY SHALL BE USED.</div> <div>12. ALL EMPTY CONDUITS SHALL BE COMPLETE WITH NYLON FISH WIRE.</div> <div>13. ALL WIRING SHALL BE MINIMUM #12 GAUGE COPPER, EXCEPT AS OTHERWISE NOTED. ALL WIRING SHALL BE 600 VOLT TYPE RW90. BX CABLE MAY BE USED WHERE PERMITTED BY CODE IN CEILING SPACE FOR FINAL CONNECTION TO LIGHT FIXTURE AND FROM CEILING DISTRIBUTION BOXES DOWN PARTITIONS TO RECEPTACLES ONLY. MINIMUM SIZE WIRING FOR DC WIRING SHALL BE #10 GAUGE. MAXIMUM VOLTAGE DROP SHALL NOT EXCEED 2 PERCENT.</div> <div>14. PROVIDE GROUND WIRES WITH ALL FEEDERS AND CIRCUITS IN ACCORDANCE WITH APPLICABLE CODES AND HYDRO REQUIREMENTS. PROVIDE MAIN GROUND TO HYDRO APPROVAL.</div> <div>15. CO–ORDINATE WITH OTHER TRADES IN LAYING OUT OF THE WORK SO AS NOT TO CONFLICT WITH THE WORK OF OTHER TRADES. CARRY OUT WORK PROMPTLY WHICH MAY INTERFERE WITH THE WORK SCHEDULE OF OTHER TRADES.</div> <div>16. MECHANICAL TRADES WIRING: PROVIDE ALL CONDUIT, WIRING, SPLITTERS, OUTLET BOXES AND DISCONNECT SWITCHES AS SHOWN. ALL MOTORS, STARTERS AND CONTROL WIRING PROVIDED UNDER DIVISION 15. INSTALL ALL STARTERS AND WIRE COMPLETE.</div> <div>17. CLEARLY MARK ALL EXPOSED CONDUIT, PULL BOXES, JUNCTION BOXES, ETC., TO INDICATE THE NATURE OF THE SERVICE.</div> <div>18. MEGGER ALL LIGHTING AND POWER CIRCUITS TO MEET CODES.</div> <div>19. PROVIDE LAMACOID NAMEPLATES AND TYPEWRITTEN DIRECTORIES FOR ALL PANELS.</div> <div>20. AFTER COMPLETION OF THE WORK, PROVIDE THE LANDLORD AND TENANT WITH A SET OF REPRODUCIBLE 'AS–BUILT' RECORD DRAWINGS. INCORPORATE ALL CHANGES ON AUTOCAD R14.</div>	<div>21. CLEAN AND TEST ALL EQUIPMENT BEFORE FINAL ACCEPTANCE IS GIVEN FOR THE WORK.</div> <div>22. AFTER THE WORK IS COMPLETED, GIVE A WRITTEN GUARANTEE FOR ONE YEAR COVERING WORKMANSHIP AND MATERIALS. REPAIR OR REPLACE, WITHOUT EXPENSE TO THE OWNER, ANY DEFECTS DUE TO WORKMANSHIP OR MATERIALS WHICH IN THE OWNER'S OPINION, ARE NOT DUE TO MISUSE OR NEGLECT.</div> <div>23. TELEPHONE SYSTEM  SUPPLY AND INSTALL EMPTY CONDUITS, PULL BOXES, BACKBOARD, OUTLET BOXES, COVER PLATES, SUITABLE FOR THE INSTALLATION OF TELEPHONE CABLES AND TELEPHONE EQUIPMENT, BY THE TELEPHONE COMPANY. THE COMPLETE CONDUIT INSTALLATION SHALL MEET ALL TELEPHONE COMPANY REQUIREMENTS.  WALL MOUNTED TELEPHONE OUTLET SHALL BE SINGLE GANG C/W 3/4" C TO ACCESSIBLE CEILING SPACE</div> <div>24. DISTRIBUTION: FEEDERS SHALL BE SIZED AS DETAILED. SUBSTITUTION OF FEEDERS EITHER IN MATERIAL OR ROUTING WILL NOT BE PERMITTED UNLESS ENGINEER'S WRITTEN APPROVAL IS OBTAINED. FEEDERS SHALL HAVE MAXIMUM VOLTAGE DROP OF 3% AT FULL LOAD AT THE PANELS SUPPLIED. ALL FEEDERS SHALL BE BALANCED UNDER FULL LOAD CONDITIONS TO WITHIN 5% BETWEEN PHASES. ALL PHASES AND NEUTRALS SHALL BE IDENTIFIED AND MAINTAINED IN THEIR CORRECT ORDER WHEN READING LEFT TO RIGHT THROUGHOUT THE BUILDING.</div> <div>25. EACH PANEL BOARD SHALL BE COMPLETE WITH A DIRECTORY GIVING THE NUMBER AND DESCRIPTION OF EACH CIRCUIT CONTROLLED. THE DIRECTORIES SHALL BE CLEARLY TYPED, LEGIBLE AND OF AMPLE SIZE AND SHALL BE MOUNTED IN A METAL FRAME WITH A CLEAR PLASTIC COVER ON THE INSIDE OF THE DOOR. THE CIRCUIT BREAKERS SHALL BE CONNECTED TO THE PANEL BY BOLTED CONNECTIONS. ALL BUS BARS, LUGS AND BREAKER TERMINALS SHALL BE SILVER PLATED AT CONNECTION POINTS. THE INTERRUPTING CAPACITY OF EACH BOARD SHALL BE DETERMINED BY THE CO–ORDINATION STUDY OR AS PER DRAWINGS, MINIMUM 10 KA FOR 208 VOLT PANELS AND 14 KA FOR 347/600 VOLT PANELS.  ALL TWO OR THREE POLE BREAKERS SHALL OPERATE WITH A COMMON TRIP AND WITH A SINGLE HANDLE. TWO POLE CIRCUIT BREAKERS CONSISTING OF TWO SINGLE POLE BREAKERS WITH A TIE HANDLE, TWIN BREAKERS AND SERIES RATED BREAKERS WILL NOT BE ACCEPTED.  ALL PANEL BOARDS SHALL BE SPRINKLERPROOFED AS REQUIRED TO MEET LOCAL AND HYDRO CODES.</div> <div>26. COVER PLATES:  COVER PLATES FOR RECEPTACLES, SWITCHES, PILOT LIGHTS, TELEPHONE OUTLETS AND OTHER DEVICES REQUIRING COVER PLATES FOR FLUSH MOUNTED BOXES SHALL BE METAL, STAINLESS STEEL #18–8,TYPE 302.  WEATHERPROOF COVER PLATES SHALL BE DIECAST CORROSION RESISTANT ALUMINUM TYPE WITH TWO SEPARATE LIDS FOR DUPLEX RECEPTACLES SUITABLE FOR MOUNTING ON F.S. TYPE BOXES. ALL WEATHERPROOF COVER PLATES SHALL HAVE RUBBER OR NEOPRENE GASKETS.  PLATES FOR SURFACE MOUNTED CAST BOXES SHALL BE GALVANIZED FORMED STEEL TYPE.  COVER PLATES FOR FLUSH MOUNTED EQUIPMENT SHALL BE SUPPLIED OF QUALITY AND PERFORMANCE SPECIFIED BY THE MANUFACTURER OF THE EQUIPMENT.  COVER PLATES SHALL NOT CARRY MANUFACTURER'S NAME.</div> <div>27. LIGHT SWITCHES:  SWITCHES SHALL BE, UNLESS OTHERWISE INDICATED, BRYANT QUIET TYPE WITH IVORY SPECIFICATION GRADE FOR 120V AND HEAVY DUTY GRADE FOR 347V.  LIGHT SWITCHES OF QUALITY AS MANUFACTURED BY BRYANT, P &amp; S, ARROW HART, LEVITON AND HUBBELL SHALL BE CONSIDERED AS ACCEPTABLE AS SPECIFIED ALTERNATES.  DIMMERS SHALL BE LUTRON SPECIFICATION GRADE OR APPROVED ALTERNATE.</div> <div>28. RECEPTACLES:  RECEPTACLES SHALL BE, UNLESS OTHERWISE INDICATED, U GROUND TYPE, IVORY SCREW TERMINAL TYPE.  RECEPTACLES SHALL BE SPECIFICATION GRADE.</div> <div>29. CONFIRM ALL LOCATIONS AND OUTLETS PRIOR TO INSTALLATION. ALLOW TO RELOCATE ANY OUTLET WITHIN 10' OF SPECIFIED LOCATION, PRIOR TO INSTALLATION.</div> <div>30. PROVIDE ALL CONCRETE WORK REQUIRED FOR ELECTRICAL WORK IN ACCORDANCE WITH ARCHITECTURAL DIVISION OF SPECIFICATION.</div>	<div>31. ALTERATIONS AND ADDITIONS:  CONTRACTORS SHALL NOTE THAT THIS CONTRACT IS AN ALTERATION TO AN EXISTING BUILDING AND SHALL THOROUGHLY INVESTIGATE THE EXISTING ELECTRICAL INSTALLATION AND CONDITIONS.  CONTRACTORS ARE REQUIRED TO VISIT THE SITE AND ENSURE THAT ALL WORK ASSOCIATED WITH THE ELECTRICAL INSTALLATION REQUIRED TO BE REMOVED OR RELOCATED IS ALLOWED FOR IN THE TENDER PRICE. ALSO CONTRACTORS SHALL ENSURE THAT THE WORK CAN BE CARRIED OUT AS INDICATED ON THE DRAWINGS OR SHALL ADVISE THE ENGINEER IMMEDIATELY OF ANY ANTICIPATED PROBLEMS.  NO EXTRA WILL SUBSEQUENTLY BE ALLOWED TO COVER ANY SUCH ERROR, OMISSION AND/OR OVERSIGHT FOR NOT HAVING MADE A THOROUGH INSPECTION OF THE GROUNDS, EXISTING CONDITIONS, DRAWINGS, SPECIFICATION AND DESIGN INTENT.  THE ELECTRICAL CONTRACTOR SHALL NOTE THAT THE EXISTING BUILDING WILL REMAIN IN OPERATION THROUGHOUT BUILDING OPERATIONS. HE SHALL ACCORDINGLY ALLOW FOR ANY WORK REQUIRED TO BE DONE WHICH MAY AFFECT POWER SUPPLY AND OPERATION OF THE BUILDING TO BE CARRIED OUT AFTER HOURS OR AT A TIME CONVENIENT TO THE BUILDING MANAGEMENT. PROVIDE TEMPORARY SERVICES AS REQUIRED TO ENSURE CONTINUED OPERATION AT ALL TIMES.</div> <div>32. DEMOLITION  REMOVE ALL EXPOSED CONDUITS, BRANCH WIRING, OUTLETS, LUMINAIRES, EMERGENCY LIGHTING, ETC. FROM CEILINGS AND WALLS BEING DEMOLISHED. REMOVE WIRING TO PANELBOARDS.  REMOVE ANY AND ALL PCB BALLASTS FROM LUMINAIRES. PLACE IN STORAGE DRUMS AND STORE AS REQUIRED. ALL WORK TO BE DONE IN ACCORDANCE WITH MINISTRY OF ENVIRONMENT RULES AND REGULATIONS.  REMOVE ALL REDUNDANT TELECOMMUNICATION WIRING, BACK TO THE ENTRY POINTS.  EXISTING FIRE ALARM SYSTEM SHALL REMAIN OPERATIONAL AT ALL TIMES. THIS ELECTRICAL CONTRACTOR SHALL OBTAIN THE SERVICES OF THE BASE BUILDING FA CONTRACTOR TO DO ALL FA RENOVATION. PROVIDE ALL MATERIALS, DO ALL WORK, TESTING, AND VERIFICATION, EXTENSIONS AS REQUIRED FOR A COMPLETE OPERATION. INCLUDE ALL WORK IN THE TENDER PRICE. ALL NEW DEVICES SHALL MATCH THE EXISTING. LOCATIONS OF EXISTING DEVICES ARE APPROXIMATE. VERIFY EXACT LOCATION ON SITE.  FOR ALTERATIONS AND ANY TIME WHEN FIRE ALARM IS INOPERATIVE ARRANGE FOR 24 HOUR SECURITY WATCH TO APPROVAL OF LOCAL FIRE MARSHAL.  WHERE ELECTRICAL DEVICES ARE REMOVED OR RELOCATED, ENSURE THAT THE WALL SURFACES ARE LEFT IN PROPER CONDITION TO SUIT ARCHITECT AND OWNER'S REQUIREMENTS.  ALL WORK TO BE DONE IN ACCORDANCE WITH HYDRO REGULATIONS.  WORK IN EXISTING BUILDING A. ALL CUTTING, PATCHING AND PAINTING SHALL BE DONE BY ELECTRICAL CONTRACTOR. B. ALL WIRING SHALL BE RUN CONCEALED WHERE POSSIBLE EXCEPT THAT CONDUITS IN UNFINISHED WALL AND CEILING MAY BE INSTALLED ON SURFACE. WIRING IN OTHER EXISTING FINISHED AREAS SHALL BE CHASED INTO THE PARTITION, WALL OR CEILING.  – EXISTING ELECTRICAL EQUIPMENT REMOVED AND INDICATED FOR REUSED SHALL BE IN GOOD ELECTRICAL AND MECHANICAL CONDITION AND SHALL BE CLEANED BEFORE INSTALLATION. ALL UNUSED CONDUIT ENTRANCE OPENINGS SHALL BE SEALED BEFORE REINSTALLATION.  – OBSOLETE CONDUITS AND CABLES SHALL BE DISCONNECTED FROM THEIR SOURCE TO SUPPLY, CUT BACK TO A SUITABLE POINT AND REMOVED.  – ALL UNUSED FUSED SWITCHES AND CIRCUIT BREAKERS SHALL BE BECOME SPARE AND SO LABELLED.  – CERTAIN ITEMS ARE IDENTIFIED ON THE DRAWINGS AS "EXISTING TO BE RELOCATED." DISCONNECT SAID EQUIPMENT FROM PRESENT SOURCE AND AFTER RELOCATION, RECONNECT AND REINSTALL ALL ELECTRICAL COMPONENTS.  – ALL EXISTING EQUIPMENT AND MATERIAL NOT REQUIRED IN THE FINAL INSTALLATION SHALL BE CAREFULLY REMOVED AT THE APPROPRIATE TIME AND SHALL BE DISPOSED OF.</div>



<div><div>FA</div><div>FU ASSOCIATES LTD.</div><div>Mechanical &amp; Electrical Engineers</div></div> <div>5200 DIXIE ROAD, SUITE 102 TEL : 905.238.6939 MISSISSAUGA, ONT. L4W 1E4 FAX : 905.238.6780</div>		BY	DF
		DESCRIPTION	ISSUED FOR REVIEW/PERMIT
NO.	DATE		
1.	27/07/15		

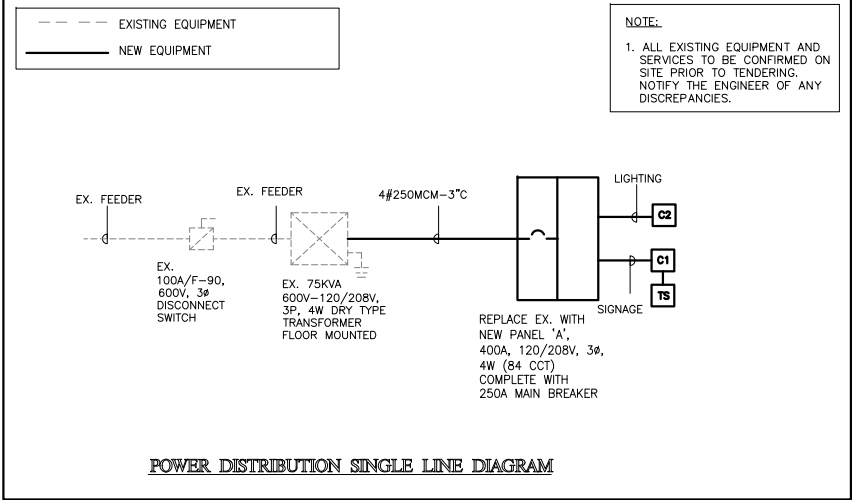
Project:   
--

POWER AND COMMUNICATIONS LEGEND	
SYMBOL	DESCRIPTION
	STANDARD DUPLEX OUTLET CONSULT EQUIPMENT SUPPLIER FOR EXACT RECEPTACLE TYPE
	GFCI GROUND FAULT INTERRUPTER DUPLEX
	120V 15A QUADPLEX U-GROUND RECEPTACLE MOUNTED AT HEIGHT NOTED.
	WALL MOUNTED SPECIAL POWER SIMPLEX OUTLET. COORDINATE WITH KITCHEN EQUIPMENT. SUPPLIER FOR EXACT SPEC AND MOUNTING HEIGHT
	TELEPHONE/DATA OUTLET RUN CABLES IN 3/4" CONDUIT TO TELEPHONE BACK BOARD
	TELEPHONE OUTLET RUN CABLES IN 3/4" CONDUIT TO TELEPHONE BACK BOARD
	DATA OUTLET RUN CABLES IN 3/4" CONDUIT TO TELEPHONE BACK BOARD
	120V 20A WALL MOUNTED SINGLE POLE TOGGLE SWITCH MOUNTED AT 54" AFF UNLESS OTHERWISE NOTED
	MAIN STORE MASTER SWITCH, SEE DWG E2 3 = THREE WAY
	MOTION SENSORS FOR WASHROOM LIGHT AND EXHAUST FAN
	HARD WIRE FEED
	WALL MOUNTED EMERGENCY BATTERY UNIT LUMACELL CAT# RG24SERIES
	CEILING RECESSED MOUNTED EMERGENCY REMOTE LIGHT LUMACELL CAT# RSTH SERIES
	WALL MOUNTED SINGLE AND DOUBLE EMERGENCY REMOTE LIGHTS LUMACELL CAT# MQ1 / MQ2 SERIES
	CEILING/WALL MOUNTED GREEN PICTOGRAM EXIT LIGHT LUMACELL CAT# LA SERIES
	FIRE ALARM PULL STATION TO MATCH EXISTING BASE BUILDING FIRE ALARM
	FIRE ALARM BELL TO MATCH EXISTING BASE BUILDING FIRE ALARM
	PREFERRED KLIPSH 6.5" IN-CEILING SPEAKER (R1650C) OR EQUAL GRILLE TO BE WHITE (OR PAINTED WHITE TO MATCH ADJACENT WALL TILE) INCLUDE ANY INSTALLATION KITS
	NIGHT LIGHT
	DENOTES WEATHER PROOF
	EXISTING ELECTRICAL EQUIPMENT TO REMAIN.
1. UNLESS OTHERWISE NOTED, ALL OUTLETS TO BE MOUNTED VERTICALLY AT 12" O.C. AFF 2. ALL FACE PLATES TO BE STAINLESS STEEL.	

LIGHTING SCHEDULE		
SYMBOL	MANUFACTURER	DESCRIPTION
	JUNO LIGHTING	6" NON-INSULATED CEILING LINE VOLTAGE POT LIGHT HOUSING 6" WHITE TRIM. LED PAR 38 LAMP.
	DAINOLITE LIGHTING	CLEAR FROSTED GLASS LED A19 LAMP
	CANLYTE PHILIPS	4 LAMP 2X4 RECESSED FIXTURE 120V 4' T8 LAMP 841K (4 PER FIXTURE)
	CANLYTE PHILIPS	2 LAMP 1X4 RECESSED FIXTURE 120V 4' T8 LAMP 841K (2 PER FIXTURE)

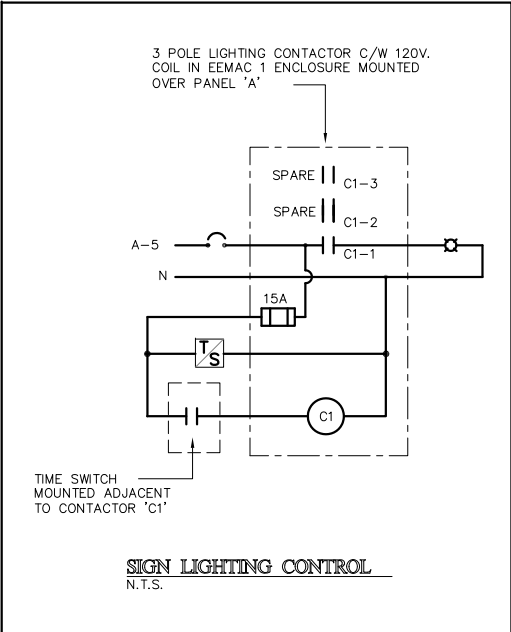
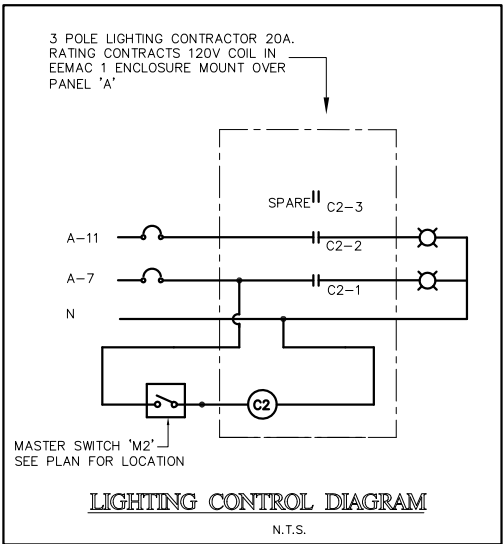
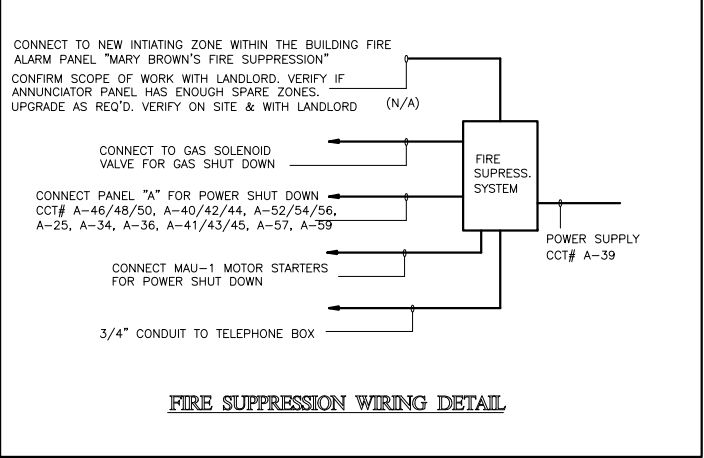
120/208V CONNECTED LOAD SUMMARY FOR PANEL 'A'			
LOAD DESCRIPTION	CONNECTED	DEMAND	REMARKS
LIGHTING & SIGNS	4,776 WATT	4,776 WATT	@1.00 D.F.
EQUIPMENT, RECEPTACLES ETC	66,995 WATT	40,197 WATT	@0.60 D.F.
HEATING/COOLING	19,945 WATT	14,959 WATT	@0.75 D.F.
TOTAL	91,716 WATT	59,932 WATT	PLUS EXISTING ACTIVE LOAD
AVAILABLE POWER SERVICE (75KVA x 80%) = 60,000 WATTS			

600V CONNECTED LOAD SUMMARY			
LOAD DESCRIPTION	CONNECTED	DEMAND	REMARKS
75KVA TRANSFORMER	91,716 WATT	59,932 WATT	
TOTAL	91,716 WATT	59,932 WATT	PLUS EXISTING ACTIVE LOAD
AVAILABLE POWER SERVICE (600V x 100A x 1.732 x 80%) = 83,138 WATTS			



DESCRIPTION	LOAD	BRKR	CCT No	PH	CCT No	BRKR	LOAD	DESCRIPTION
EXIT SIGN*	100	20A	1	A	2	15A	500	POS RECEPTACLE
NIGHT LIGHTS & BATTERY UNIT*	500	20A	3	B	4	15A	500	POS RECEPTACLE
FRONT SIGNAGE**	1000	20A	5	C	6	15A	1035	EQ#23 SALAD DISPLAY
STORE FRONT LIGHTING	874	20A	7	A	8	15A	1440	EQ#9 POP COOLER
STOREFRONT SIGN AND LIGHTING**	500	20A	9	B	10	15A	500	MENU BOARDS
TRACK LIGHTING	612	20A	11	C	12	20A	2300	EQ#15 HOLDING CABINET
KITCHEN LIGHTING	1190	20A	13	A	14	20A	1500	EQ#21 MICROWAVE
SPARE	--	15A	15	B	16	15A	1200	EQ#13 CONDIMENT TABLE
SPARE	--	15A	17	C	18	15A	1000	EQ#22 GRAVY WARMER
EQ#41 HAND DRYER	500	15A	19	A	20	15A	500	EQ#28 PRINTER
EQ#41 HAND DRYER	500	15A	21	B	22	20A	1500	EQ#20 BUN STEAMER
KITCHEN RECEPTACLE	1000	20A	23	C	24	15A 3P	7745	RTU-1****
KITCHEN RECEPTACLE***	500	15A	25	A	26			
CU-1	5000	30A 3P	27	B	28	20A 2P	920	EQ#18 SS FRENCH FRY TABLE
			29	C	30			
			31	A	32			
CU-2	5000	30A 3P	33	B	34	15A	500	EQ#19 FRYER***
			35	C	36	15A	500	EQ#19 FRYER***
			37	A	38	15A	1000	EQ#14 REFRIGERATOR
FIRE SUPPRESSION	500	15A	39	B	40	50A 3P	13500	EQ#10 COOKER***
MAU-1***	1100	20A 3P	41	C	42			
			43	A	44	50A 3P	13500	EQ#10 COOKER***
			45	B	46			
GENERAL RECEPTACLE	500	15A	47	C	48	50A 3P	13500	EQ#10 COOKER***
HWT	500	15A	49	A	50			
EF-1	50	15A	51	B	52	50A 3P	13500	EQ#10 COOKER***
HOOD LIGHT***	50	15A	53	C	54			
HOOD LIGHT***	50	15A	55	A	56	15A	1000	EQ#30 AUTO SHIFTER
CU-1	120	15A	57	B	58			
CU-2	120	15A	59	C	60	15A	1000	EQ#6 CHICKEN CUTTER
KEF-1	1100	30A 3P	61	A	62	15A	1500	EQ#11 HOT PLATE
			63	B	64	15A	1000	INTERNET MODEM
			65	C	66	15A	200	WALK IN COOLER-LT****
SF-1	175	15A	67	A	68	15A	2000	WALK IN COOLER*****
			69	B	70	15A	800	EQ#12 FILTER MACHINE
			71	C	72	15A	--	
			73	A	74	15A	--	
			75	B	76	15A	--	
			77	C	78	15A	--	
			79	A	80	15A	--	
			81	B	82	15A	--	
			83	C	84	15A	--	
PANEL: RP "A"								
VOLTS: 120/208 PHASE: 3 WIRE: 4 MAINS: 400A			TYPE: CONN.LOAD(KW): 91.72 DEMAND LOAD(KW): 59.93 LOCATION: FED FROM:			FLUSH SURFACE SPRINKLERPROOF FEED THRU' LUGS MAIN BRKR IG BUS		

ALL CIRCUIT NUMBERS SHOWN ARE FOR GROUPING ONLY EXACT CIRCUIT USED TO BE DETERMINED ON SITE  
\* DENOTES BREAKERS LOCKED IN 'ON' POSITION  
\*\* PROVIDE 7-DAY, 24-HOUR TIME SWITCH  
\*\*\* SHUNT-TRIP TYPE BREAKER FOR POWER SHUT DOWN UPON ACTIVATION OF FIRE SUPPRESSION SYSTEM  
\*\*\*\* VERIFY EXACT ELECTRICAL REQUIREMENTS WITH SUPPLIER AND ON SITE  
-ALL CIRCUIT NUMBERS SHOWN ARE FOR GROUPING ONLY EXACT CIRCUIT USED TO BE DETERMINED  
-ALL LIGHTING AND EQUIPMENT CIRCUIT AND DIMMING REQUIREMENTS ON ALL LIGHTING PANELS ARE FOR GUIDANCE AND GROUPING PURPOSES ONLY. THIS ELECTRICIAN MUST WIRE ALL LIGHTING AND EQUIPMENT ACCORDING TO PROPER STANDARDS AND PRACTICE AND E.S.A REQUIREMENTS.



<b>FU ASSOCIATES LTD.</b> Mechanical & Electrical Engineers 5200 DIXIE ROAD, SUITE 102 TEL : 905.238.6939 MISSISSAUGA, ONT. L4W 1E4 FAX : 905.238.6780		BY	DF
		NO.	DATE
DESCRIPTION		1.	27/07/15
ISSUED FOR REVIEW/PERMIT			

Scale: NTS	Date: JULY 2015	Drawn: TW	Checked: CP	Project No: 15-134	Drawing no: E-2
Project: MARY BROWN'S FAMOUS CHICKEN AND TATERS KILDONA CROSSING SHOPPING CENTRE 1616 REGENT AVENUE W. WINNIPEG, MB				Electrical DETAILS AND SCHEDULES	





## EQUIPMENT SCHEDULE

Project:  <b>MARY BROWN'S FAMOUS CHICKEN AND TATERS KILDONA CROSSING SHOPPING CENTRE 1615 REGENT AVENUE W. WINNIPEG, MB</b>	Date: JULY 2015  Drawn: TW  Checked: CP	Project No: 15-134  Drawing no: E-5
	Drawing:	<b>EQUIPMENT SCHEDULES</b>

**FA**  
**FU ASSOCIATES LTD.**

NO.	DATE	DESCRIPTION	BY
2.	27/07/15	REVISED AS PER COMMENTS	DF

