

| LUMINAIRE SCHEDULE | | | | | | | |
|--------------------|------------------|---|-----------|-------|---------------------------|---------|----------|
| TYPE | MANUFACTURER | CATALOGUE NUMBER | LAMPS | WATTS | LUMINAIRE STYLE | VOLTAGE | COMMENTS |
| A | COOPER METALUX | 24EN-LD2-4500-UNV-LP835-CD-L-U | LED 3500K | 38W | RECESSED TROFFER (LAY-IN) | 120V | |
| B | COOPER PORTFOLIO | LD6A-10-D010TE-ERM6A-10-80-35 C/W 6LM1-LJ | LED 3500K | 14.1W | RECESSED DOWNLIGHT | 120V | |
| C | COOPER | 4SNLED-LD4-46SL-LN-UNV-L835-CD-L-U | LED 3500K | 41W | STRIP LIGHT | 120V | |
| F | METALUX | FMLED16WH835PR | LED 3500K | 22W | SURFACE MOUNT | 120V | |
| G | TERON LIGHTING | VCY24-L18.0-120-277V-SLT-TE500-SM-35K | LED 3500K | 18W | VANITY LIGHT | 120V | |
| H | LUMEN VORLE | LOGP-HO-120-48-40K-WW-WAM6-KX-NO | LED 4000K | 61W | EXTERIOR SIGN LIGHT | 120V | |

NOTES:
1. ALL LUMINAIRES, BALLASTS, LAMPS, ETC. TO BE CSA APPROVED.
2. ALL BALLASTS AND DRIVER CUTSHEETS MUST BE INCLUDED WITH EACH LUMINAIRE SHOP DRAWING.
3. PROVIDE ALL REQUIRED MOUNTING KITS/HARDWARE FOR ALL CEILING/WALL TYPES.
4. ELECTRICAL CONTRACTOR TO SUBMIT ENTIRE LIGHTING INSTALLATION FOR MANITOBA HYDRO POWER SMART REBATE PROGRAM ON BEHALF OF OWNER. ALL REBATES TO BE MADE PAYABLE TO OWNER.

| EMERGENCY LIGHTING BATTERY BANK SCHEDULE | | | | | | |
|--|--------------|--------------------|---------|------------------------|----------|----------|
| TYPE | MANUFACTURER | CATALOGUE NUMBER | WATTAGE | CIRCUIT NUMBER | LOCATION | LAMPS |
| EBB-1 | LUMACELL | RG12S72LD9ATCTVSR | 72W | EXISTING AREA LIGHTING | | 2x5w LED |
| EBB-2 | LUMACELL | RG12S100LD9ATCTVSR | 100W | EXISTING AREA LIGHTING | | 2x5w LED |
| EBB-3 | LUMACELL | LSC72W2LD9AT | 72W | EXISTING AREA LIGHTING | | 2x5w LED |

NOTES:
1. ALL WIRING TO BE IN EMT CONDUIT 21mm CONDUIT C/W MINIMUM #12 AWG Cu WIRING. CONFIRM WIRE SIZES WITH DISTANCES PER MANUFACTURER'S RECOMMENDATIONS.
2. ADJUST LIGHTING HEADS TO PROPERLY ILLUMINATE EGRESS ROUTE.
3. ALL REMOTE HEADS TO BE MANUFACTURED BY LUMACELL CAT NO. M0M2LD9.
4. ALL EXIT SIGN TO BE MANUFACTURED BY LUMACELL CAT NO. LS3WJ.
5. VSR MAY NOT BE REQUIRED FOR EVERY BATTERY PACK UNIT.

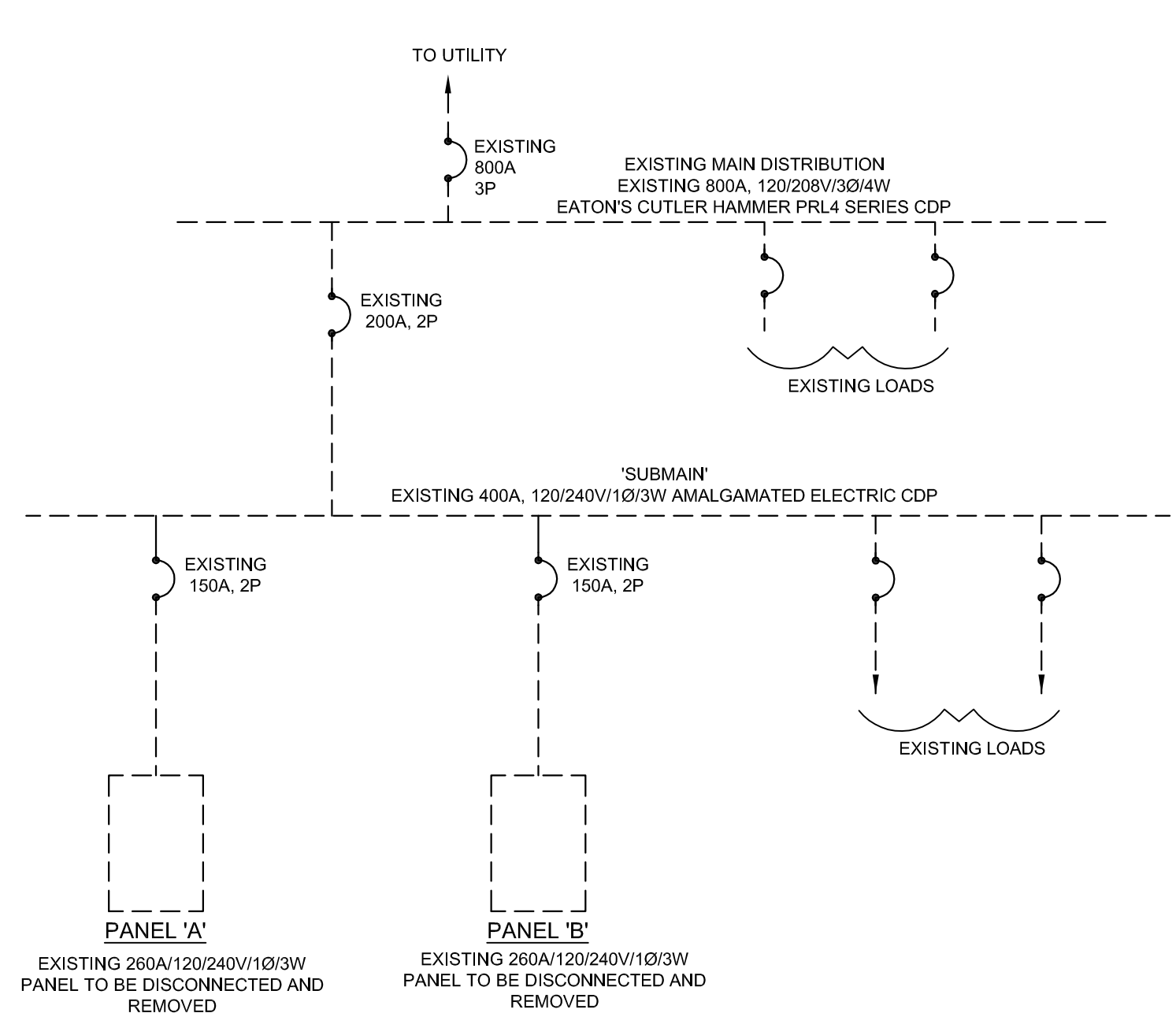
| ELECTRIC BASEBOARD HEATER SCHEDULE | | | | | | | | |
|------------------------------------|---------------------------|--------------|------------------|--------|----------|-------------------------|---------|------------------------|
| TYPE | STYLE | MANUFACTURER | CATALOGUE NUMBER | FINISH | MOUNTING | HEATING ELEMENT WATTAGE | VOLTAGE | ADDITIONAL INFORMATION |
| EBBH-1 | ELECTRIC BASEBOARD HEATER | OUELLET | ODBA0302-733 | WHITE | WALL | 300W | 120V | |

| PANELBOARD 'A' | | | | | | | | | |
|------------------------|-----------|-----|--------|----|----------------------|------------------------------------|------|-----|-----|
| ITEM | LOAD (kW) | OCB | C | C | ITEM | LOAD (kW) | OCB | C | C |
| EXISTING | | | 15A | 1 | 2 | EXISTING | | | 15A |
| EXISTING | | | 15A | 3 | 4 | EXISTING | | | 15A |
| EXISTING | | | 15A | 5 | 6 | EXISTING | | | 15A |
| EXISTING | | | 15A | 7 | 8 | EXISTING | | | 15A |
| EXISTING | | | 15A | 9 | 10 | EXISTING | | | 15A |
| EXISTING | | | 15A | 11 | 12 | EXISTING | | | 15A |
| EXISTING | | | 15A | 13 | 14 | EXISTING | | | 15A |
| EXISTING | | | 15A | 15 | 16 | EXISTING | | | 15A |
| EXISTING | | | 30A/2P | 17 | 18 | EXISTING | | | 15A |
| EXISTING | | | 30A/2P | 19 | 20 | EXISTING | | | 15A |
| EXISTING | | | 15A | 21 | 22 | EXISTING | | | 15A |
| EXISTING | | | 15A | 23 | 24 | RECEPTACLE COMPUTER STATION | 0.40 | | 15A |
| EXISTING | | | 30A/2P | 25 | 26 | RECEPTACLE WORKROOM | 0.40 | | 15A |
| EXISTING | | | 30A/2P | 27 | 28 | RECEPTACLE WORKROOM | 0.40 | | 15A |
| EXISTING | | | 15A | 29 | 30 | RECEPTACLE OFFICE | 0.40 | | 15A |
| EXISTING | | | 15A | 31 | 32 | RECEPTACLE LUNCH ROOM AND ACTUATOR | 1.00 | | 15A |
| EXISTING | | | 30A/2P | 33 | 34 | RECEPTACLE MICROWAVE | 1.00 | | 15A |
| EXISTING | | | 30A/2P | 35 | 36 | RECEPTACLE COUNTERTOP | 0.40 | | 20A |
| EXISTING | | | 15A | 37 | 38 | RECEPTACLE COUNTERTOP | 0.40 | | 20A |
| PRINTER | 1.00 | | 15A | 39 | 40 | RECEPTACLE FRIDGE | 0.80 | | 15A |
| RECEPTACLE ADULTS AREA | 0.60 | | 15A | 41 | 42 | RECEPTACLE COMPUTER STATION | 0.90 | | 15A |
| SPARE | | | 15A | 43 | 44 | RECEPTACLE PUBLIC SPACE | 0.60 | | 15A |
| SPARE | | | 15A | 45 | 46 | MEZZANINE RECEPTACLE | 0.60 | | 15A |
| | | | 47 | 48 | MEZZANINE RECEPTACLE | 0.60 | | 15A | |
| | | | 49 | 50 | MEZZANINE RECEPTACLE | 0.60 | | 15A | |
| | | | 51 | 52 | MEZZANINE RECEPTACLE | 0.60 | | 15A | |
| | | | 53 | 54 | MEZZANINE RECEPTACLE | 0.60 | | 15A | |

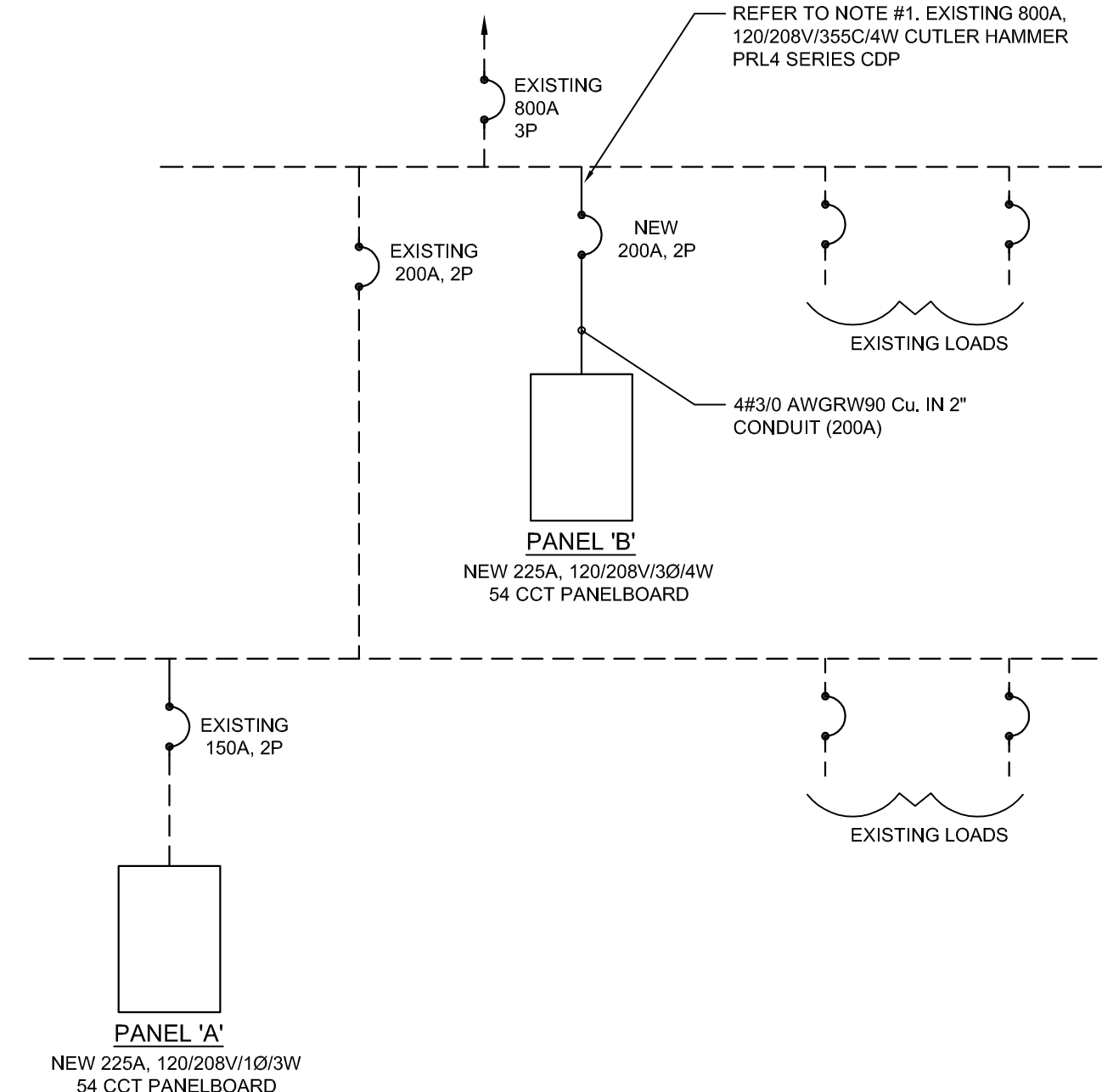
NOTES:
CONFIRM BREAKERS FOR EXISTING CIRCUITS PRIOR TO ORDERING NEW PANEL. MOUNTING: RECESSED RATING: 225A, 120/208V/1Ø/3W

| PANELBOARD 'B' | | | | | | | | | |
|-----------------------|-----------|-----|--------|----|------------------------|-----------------------------|------|-----|-----|
| ITEM | LOAD (kW) | OCB | C | C | ITEM | LOAD (kW) | OCB | C | C |
| EXISTING | | | 15A | 1 | 2 | EXISTING | | | 15A |
| EXISTING | | | 15A | 3 | 4 | EXISTING | | | 15A |
| EXISTING | | | 15A | 5 | 6 | EXISTING | | | 15A |
| EXISTING | | | 15A | 7 | 8 | EXISTING | | | 15A |
| EXISTING | | | 15A | 9 | 10 | EXISTING | | | 15A |
| EXISTING | | | 15A | 11 | 12 | EXISTING | | | 15A |
| EXISTING | | | 30A | 13 | 14 | EXISTING | | | 15A |
| EXISTING | | | 15A | 15 | 16 | EXISTING | | | 15A |
| EXISTING | | | 15A | 17 | 18 | EXISTING | | | 15A |
| EXISTING | | | 15A | 19 | 20 | EXISTING | | | 15A |
| EXISTING | | | 15A | 21 | 22 | EXISTING | | | 15A |
| EXISTING | | | 15A | 23 | 24 | EXISTING | | | 15A |
| EXISTING | | | 15A | 25 | 26 | EXISTING | | | 15A |
| EXISTING | | | 15A/2P | 27 | 28 | RECEPTACLE COMPUTER STATION | 0.40 | | 15A |
| EXISTING | | | 15A/2P | 29 | 30 | RECEPTACLE COMPUTER STATION | 0.40 | | 15A |
| CASH REGISTER | 0.50 | | 15A | 31 | 32 | RECEPTACLE COMPUTER STATION | 0.40 | | 15A |
| RECEPTION DESK | 1.0 | | 15A | 33 | 34 | RECEPTACLE COMPUTER STATION | 0.40 | | 15A |
| RECEPTION DESK | 1.0 | | 15A | 35 | 36 | RECEPTACLE COMPUTER STATION | 0.40 | | 15A |
| RECEPTION DESK | 1.0 | | 15A | 37 | 38 | RECEPTACLE COMPUTER STATION | 0.40 | | 15A |
| | | | 39 | 40 | RECEPTACLE STACKS AREA | 0.80 | | 15A | |
| | | | 41 | 42 | PROJECTOR | 0.50 | | 15A | |
| | | | 43 | 44 | EBBH-1 | 0.25 | | 15A | |
| DOOR ACTUATOR | 0.60 | | 15A | 46 | RECEPTACLE BASEMENT | 0.60 | | 15A | |
| DOOR ACTUATOR | 0.60 | | 15A | 47 | RECEPTACLE BASEMENT | 0.40 | | 15A | |
| DOOR ACTUATOR | 0.60 | | 15A | 49 | RECEPTACLE BASEMENT | 0.40 | | 15A | |
| DOOR ACTUATOR | 0.60 | | 15A | 51 | 52 | EXTERIOR LIGHTING | 0.25 | | 15A |
| EMERGENCY CALL SYSTEM | 0.10 | | 15A | 53 | 54 | SPARE | | | 15A |

NOTES:
CONFIRM BREAKERS FOR EXISTING CIRCUITS PRIOR TO ORDERING NEW PANEL. MOUNTING: RECESSED RATING: 225A, 120/208V/3Ø/4W



1 EXISTING SINGLE LINE DISTRIBUTION DIAGRAM
E-16 NTS



2 NEW SINGLE LINE DISTRIBUTION DIAGRAM
E-16 NTS

NOTE:
1. PROVIDE ALL REQUIRED MODIFICATIONS AND HARDWARE TO EXISTING DISTRIBUTION.



PEGM
Certificate of Authorization
HDK Consulting Incorporated
No. 5539 Date: 04/30/2017



Winnipeg
THE CITY OF WINNIPEG PLANNING, PROPERTY AND DEVELOPMENT DEPARTMENT
MUNICIPAL ACCOMMODATIONS DIVISION
4TH FLOOR - 185 KING STREET
R3B 1J1

Project:
St. Vital Library

Project Number: 10254
Bid Opportunity Number: 768-2016

Drawing Title:
ELECTRICAL SCHEDULES AND FIRE ALARM RISER DIAGRAM

Issue/Revision Date
1 ISSUED FOR CONSTRUCTION SEPT 09, 2016
2 ADDENDUM #1 OCT 31, 2016

Sheet No: E-16

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