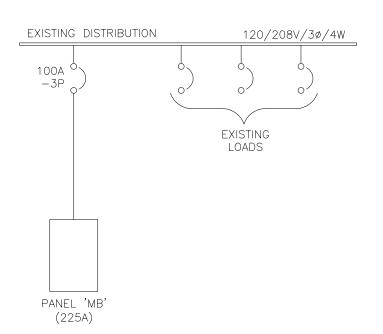


RENOVATION PLAN - POWER AND SYSTEMS





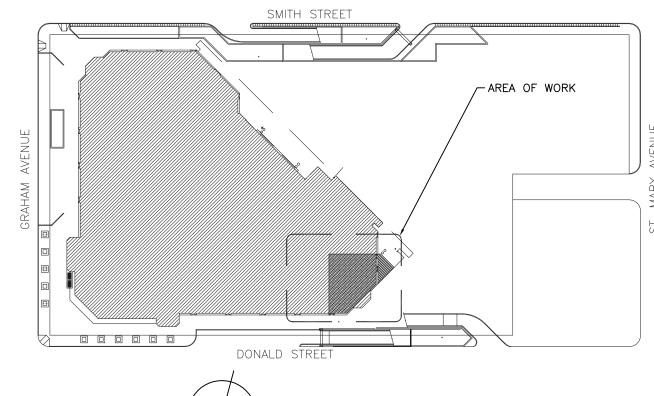
| FED FROM: EXISTING DIS | | TION | | | | | | ECTRICAL ROOM |
|--------------------------------|-------|-------|-----|-------|-------|------------|--------------|---------------|
| Designation | TRIBU | HON | | | : MAI | N FLC | OREL | ECTRICAL ROOM |
| | Load | _ | | Phase | Ckt. | | Load | Designation |
| EXISTING LOAD - NEW TANDEM BKR | (VA) | 1ttp | No. | | No. | Trip 15 | (VA) | EXISTING |
| | 400 | 15 | 1 | A | 22 | | | LAGING |
| XISTING LOAD - NEW TANDEM BKR | | 15 | | | 1 | 15 | | EXISTING |
| XHAUST MOTOR FF | 400 | 15 | 2 | В | 23 | | | |
| EXISTING | | 15 | | | | 15 | | EXISTING |
| CVICTING | | 45 | 3 | C | 24 | 45 | | EVIOTINO |
| EXISTING | | 15 | ١. | | 35 | 15 | | EXISTING |
| XISTING LOAD - NEW TANDEM BKR | | 15 | 4 | A | 25 | 15 | | EXISTING |
| AUTO DOOR OPERATOR (ADO) | 500 | 15 | 5 | В | 26 | " | | EXIOTING. |
| XISTING LOAD - NEW TANDEM BKR | | 15 | | | 1 | 15 | | EXISTING |
| AUTO DOOR OPERATOR (ADO) | 500 | 15 | 6 | С | 27 | | | |
| XISTING LOAD - NEW TANDEM BKR | | 15 | | | | 15 | | EXISTING |
| SW EXTERIOR LIGHT | 70 | 15 | 1 , | Α | 28 | | | |
| XISTING | | 15 | | | | 15 | | EXISTING |
| | | | 8 | В | 29 | | | |
| EXISTING | | 15 | ١. | _ | | 15 | | EXISTING |
| EXISTING (TANDEM BREAKER) | | 15 | 9 | С | 30 | 15 | _ | EXISTING |
| EXISTING (TANDEM BREAKER) | | 15 | 10 | А | 31 | 13 | | LAIGHNO |
| EXISTING (TANDEM BREAKER) | | 15 | 10 | | | 15 | | EXISTING |
| EXISTING (TANDEM BREAKER) | | 15 | 111 | В | 32 | | | |
| EXISTING | | 15 | | | | 15 | | EXISTING |
| | | _ | 12 | С | 33 | | | |
| EXISTING | | 15 | ١ | | l | 15 | | EXISTING |
| EXISTING | | 15 | 13 | A | 34 | 15 | _ | EXISTING |
| ZASTING | | 13 | 14 | В | 35 | 13 | | EXISTING |
| XISTING | | 15 | 1 | | 1 | 15 | | EXISTING |
| | | | 15 | С | 36 | | | |
| EXISTING | | 15 | | | | 15 | | EXISTING |
| CVICTING | | 45 | 16 | A | 37 | 45 | | EVICTING |
| EXISTING | | 15 | 17 | В | 38 | 15 | | EXISTING |
| EXISTING | | 15 | 111 | ь | 30 | 15 | | EXISTING |
| 2401110 | | " | 18 | С | 39 | | | 2,4011110 |
| XISTING (TANDEM BREAKER) | | 15 | | | | 15 | | EXISTING |
| XISTING (TANDEM BREAKER) | | 15 | 19 | Α | 40 | | | |
| EXISTING | | 15 | | | | 15 | | EXISTING |
| | | 45 | 20 | В | 41 | 45 | | EMOTINO |
| VICTING | | 15 | 21 | С | 42 | 15 | | EXISTING |
| EXISTING | 12022 | 08V,3 | | | LOAI | DS- | PH.A | 470 |
| EXISTING VOLTAGE: | 12012 | | | | | | | . 470 |
| | 12012 | | | | | | PH.B | |
| VOLTAGE: | SURF | ACE | | | | | PH.B PH.C | 900 |

GENERAL NOTES

- A. EXISTING FIRE ALARM PANEL IS LOCATED IN SOUTH—WEST CORNER OF BUILDING. REFER TO DRAWING E1.0 FOR APPROXIMATE LOCATION OF FIRE ALARM PANEL. RE—VERIFY FIRE ALARM SYSTEM AFTER INSTALLATION OF NEW FIRE ALARM DEVICES.
- B. RE-VERIFY SECURITY SYSTEM AFTER RE-LOCATION OF EXISTING DEVICES.
- C. FOR DEVICES BEING RELOCATED EXTEND WIRING AND CONDUIT AS REQUIRED. NEW DEVICES TO BE INSTALLED IN LOCATION AS SHOWN ON DRAWING.
- D. VOICE/DATA WIRING TO BE CAT 6. VOICE/DATA WIRING TO ROUTÉ FROM EXISTING VOICE AND EXISTING DATA PATCH PANELS. EXISTING PATCH PANELS ARE LOCATED IN EXISTING RACK IN LOCATION AS SHOWN ON DRAWING E1.0. VOICE/DATA WIRING TO RUN FROM ELECTRICAL ROOM, THROUGH EXISTING CONDUIT SLEEVE TO PARKADE LEVEL BELOW. CABLING TO ROUTE ALONG CEILING IN EXISTING VOICE/DATA DUCT. PROVIDE CONDUIT AND JUNCTION BOXES TO CONNECT VOICE/DATA DUCT SECTIONS AS REQUIRED. TERMINATE AND TEST CABLES AT BOTH ENDS. WHERE CABLES ARE EXPOSED, IT SHALL BE FT-6 RATED.
- E. PROVIDE NEW TANDEM 15A-1P BREAKER IN PANEL MB AS SHOWN IN PANEL SCHEDULE. NEW WIRING TO RUN FROM ELECTRICAL ROOM, THROUGH EXISTING CONDUIT SLEEVE TO PARKADE LEVEL BELOW. CABLING TO ROUTE ALONG CEILING IN EXISTING POWER DUCT. PROVIDE CONDUIT AND JUNCTION BOXES TO CONNECT POWER DUCT SECTIONS AS REQUIRED. CONNECT CABLE TO NEW DUPLEX RECEPTACLE IN

KEY NOTES

- 1. EXISTING PAGING SPEAKER TO REMAIN. PROVIDE NEW ACCESS GRILLE IN DRYWALL BENEATH SPEAKER TO MATCH EXISTING. CONFIRM EXACT SPEAKER LOCATION ON SITE.
- 2. PROVIDE NEW SMOKE DETECTOR COMPATIBLE WITH EXISTING FIRE ALARM SYSTEM. PROVIDE NEW WIRING AND CONDUIT AND CONNECT TO EXISTING LOOP SERVING AREA WITH
- 3. PROVIDE NEW WIREMOLD RC3 SERIES POKE-THRU OR APPROVED EQUAL. NEW POKE-THRU TO CONTAIN 1 DUPLEX RECEPTACLE AND 2 VOICE/DATA OUTLETS. PROVIDE ALL REQUIRED DATA JACKS, COVER PLATES AND BOTTOM FEED COMPARTMENTS. CONFIRM ALL REQUIREMENTS WITH MANUFACTURER PRIOR TO ORDERING. EXACT LOCATION OF CORE HOLE TO BE COORDINATED WITH ALL OTHER TRADES ON SITE PRIOR TO ROUGH-IN. CONTRACTOR TO XRAY FLOOR PRIOR TO DRILLING CORE HOLE. DO NOT CUT REBAR. CONNECT RECEPTACLES TO CIRCUIT AS SHOWN ON DRAWING.
- 4. PROVIDE NEW MANUAL STARTER IN CEILING SPACE. PROVIDE NEW WIRING AND CONDUIT AND CONNECT NEW EXHAUST FAN TO CIRCUIT AS SHOWN ON DRAWING. NEW EXHAUST FAN PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR. CONTROL WIRING TO BE BY MECHANICAL CONTRACTOR.
- 5. PROVIDE NEW FIRE ALARM HORN TO MATCH EXISTING. PROVIDE NEW WIRING IN CONDUIT AND CONNECT TO EXISTING LOOP SERVING AREA WITH CAPACITY.
- 6. EXISTING CCTV CAMERA TO BE RE-LOCATED AS SHOWN ON DRAWING. EXTEND WIRING AND CONDUIT AS REQUIRED.
- 7. EXISTING SECURITY MOTION DETECTION TO BE RE-LOCATED AS SHOWN ON DRAWING. EXTEND WIRING AND CONDUIT AS
- 8. PROVIDE 22/4 CABLE FROM EXISTING SECURITY CONTROL PANEL TO NEW RECESSED DOOR ALARM CONTACT. NEW CABLE TO RUN IN EXISTING CONDUIT. EXTEND CONDUIT AS REQUIRED TO PROVIDE A COMPLETE CONDUIT RUN. PROVIDE ALL REQUIRED EQUIPMENT AND REPROGRAM EXISTING SECURITY CONTROL PANEL TO REFLECT ADDITIONAL DOOR MONITORING POINTS.
- 9. PROVIDE NEW WIRING IN CONDUIT AND CONNECT NEW AUTOMATIC DOOR OPERATOR TO CIRCUIT AS SHOWN ON
- 10. WIRE NEW CEILING MOUNTED MOTION SENSOR IN LOCATION AS SHOWN ON DRAWING. PROVIDE NEW WIRING IN CONDUIT AND CONNECT NEW MOTION SENSOR TO NEW AUTOMATIC DOOR OPENER AS SHOWN ON DRAWING. NEW MOTION SENSOR TO ACTIVATE DOOR OPEN SENSOR.
- 11. PROVIDE NEW KEY SWITCH IN LOCATION AS SHOWN ON DRAWING. PROVIDE NEW WIRING AND CONDUIT BETWEEN KEY SWITCH AND BOTH DOOR OPERATORS. NEW KEY SWITCH TO ALLOW FOR TOGGLE BETWEEN NORMAL AND AFTER HOURS OPERATING MODES. DOOR OPENER TO OPEN DOORS DURING NORMAL OPERATING HOURS. DOOR OPERATOR TO BE SHUTDOWN DURING AFTER HOURS. PROGRAM AUTOMATIC DOOR OPEN AS REQUIRED.





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The contractor shall check all dimensions and other data from the job and report any discrepancies to the architects before proceeding. This drawing and the information on it, is proprietary and confidential. Reproduction of any sort is prohibited without the written approval of MMP Architects Inc.

PROJECT TITLE

Southwest Entrance Development -Millenium Library

251 Donald Street, Winnipeg, MB

12-175-01

DRAWING TITLE

Renovation Plan - Power and Systems, Single Line and Panel Schedule



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| APPROVED | CHECKED | DRAWN BY |
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