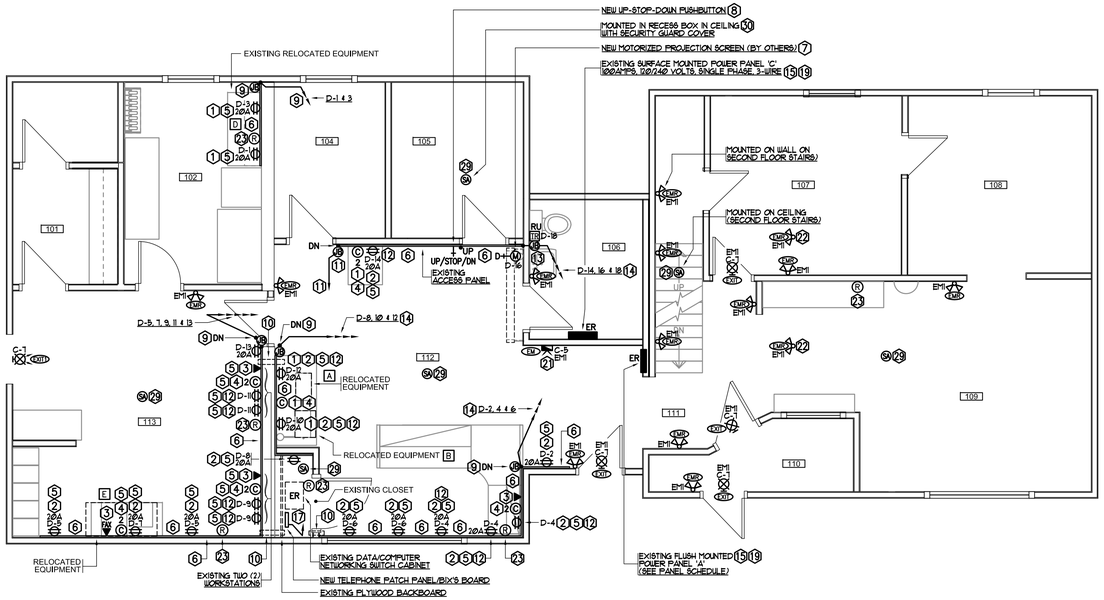


FIRST FLOOR PLAN - ELECTRICAL REVISED LAYOUT (18)

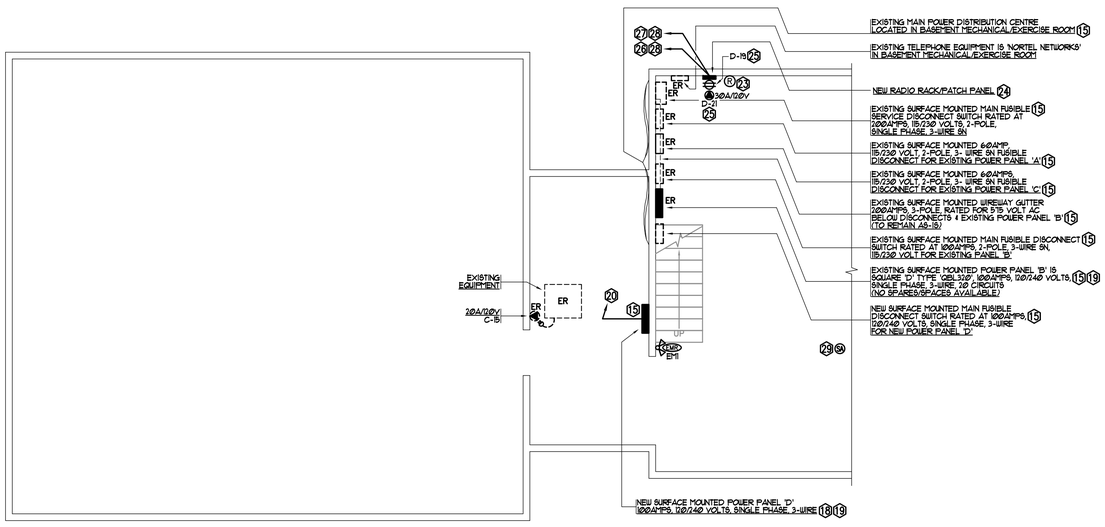
SCALE: 1:50

NORTH

0 1m 5m

FIXTURE SCHEDULE

Type	Manufacturer	Catalogue no.	Lamps	Mounting and remarks
EM	AIMLITE	EBQV-12-250-4-2LR-LMR16-WHT-120V	2 LAMPS/ LED MR16 5 WATT	EMERGENCY (EM) BATTERY PACK c/w INTEGRAL L.E.D. HEADS/ 250 WATT/12 VOLTS DC/120 VOLTS AC/SILENT AUTO-TEST
	STANPRO	SLMC-12-250-2-6LA-LMR16-WH-A		
EMR	AIMLITE	RMQVD-2-12-2LR-LMR16-WHT	2 LAMPS/ LED MR16 5 WATT	L.E.D. REMOTE HEADS/CONNECT TO BATTERY PACK/ 12 VOLT D.C. WIRING REQUIRED TO RESPECTIVE EM BATTERY PACK
	STANPRO	SMC2W-2-12-6LA-LMR16-WH-WG		
EXIT	LUMACELL	LER 800	LED's	RED LETTERS/METAL STENCIL FACE/MOUNTING AS SHOWN/ ARROWS AS SHOWN/120V/AC-DC WIRING/CSA 860 CERTIFIED/ WIREGUARD WHERE SHOWN
	EMERGI-LITE	LPEXI0O-SERIES c/w GUARD		
EXIT1	LUMACELL	SLERMCEU-2-LDI0-ATN	2-5 WATT MR16 LED's	COMBINATION EXIT LIGHT c/w 2 HEADS/BATTERY PACK/ SILENT AUTO-TEST/CSA-C860 REGISTERED



PARTIAL BASEMENT FLOOR PLAN - ELECTRICAL REVISED LAYOUT

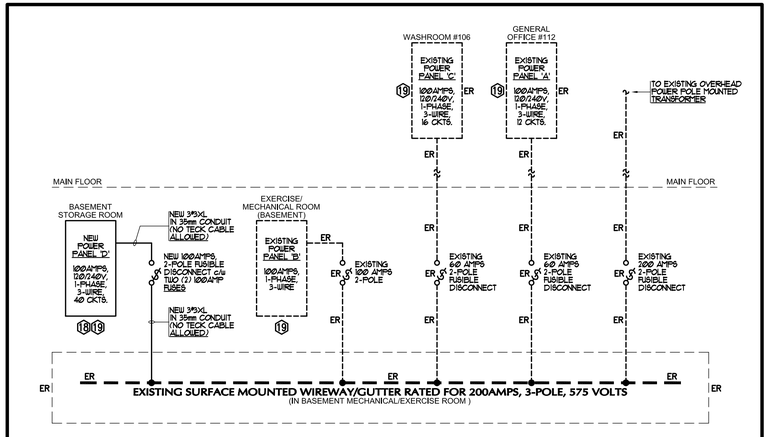
SCALE: 1:50

NORTH

0 1m 5m

NOTES

1. NEW OUTLETS TO BE MOUNTED 100mm ABOVE MILLWORK. REVIEW ARCHITECTURAL MILLWORK ELEVATIONS DRAWINGS FOR EXACT LOCATION. COORDINATE WITH MILLWORK SUB-TRADE PRIOR TO ROUGH-IN.
2. NEW 120V/15A-20A 'T'-SLOT TYPE WHITE DUPLEX RECEPTACLE MOUNTED IN NEW NON-METALLIC MULTITRACK BASETRACK.
3. PROVIDE AND INSTALL TELEPHONE/VOICE OUTLET MOUNTED IN NEW NON-METALLIC BASETRACK. RUN CABLING FROM TELEPHONE/VOICE OUTLET TO NEW TELEPHONE PATCH/BIX'S PANEL IN EXISTING LAN CLOSET.
4. PROVIDE AND INSTALL DATA/COMPUTER OUTLET IN NEW NON-METALLIC BASETRACK. RUN CABLING FROM NEW OUTLET TO EXISTING LAN CLOSET.
5. MOUNT OUTLETS IN NEW NON-METALLIC BASETRACK. WIREMOLD' LEGRAND, WHITE FINISH, TWO (2) CHANNEL '4ON2' SERIES (100mmH x 50mmD) RACEWAY SYSTEM FOR POWER, TELEPHONE AND DATA OUTLETS ALONG EXISTING WALLS.
6. RUN SURFACE NEW NON-METALLIC TWO (2) CHANNEL BASETRACK ALONG EXISTING WALLS AND ABOVE EXISTING DOOR FRAME AS SPECIFIED IN NOTE No. 5.
7. CONNECT MOTORIZED PROJECTOR SCREEN AS PROVIDED BY OTHERS. CONFIRM EXACT LOCATION WITH OWNER/ARCHITECT PRIOR TO ROUGH-IN.
8. PROVIDE AND INSTALL 'UP-DOWN-STOP' SWITCH IN SURFACE BASETRACK. CONNECT TO MOTORIZED PROJECTOR SCREEN COMPLETE. RUN BASETRACK ABOVE DOOR FRAME OVER TO MOTOR CONNECTION.
9. PROVIDE AND INSTALL JUNCTION BOX IN CRAWLSPACE TO FEED NEW SURFACE BASETRACK ON FIRST FLOOR. RUN CONDUIT/WIRING IN CRAWLSPACE FROM JUNCTION BOX TO NEW POWER PANEL 'D' IN STORAGE ROOM IN BASEMENT.
10. PROVIDE 50mm SLEEVE WITH END BUSHINGS. GROUND/ BOND END BUSHINGS AS PER CANADIAN ELECTRICAL CODE (C.E.C.) USE GREEN INSULATED WIRE #6XL. RUN 50mm SLEEVE BETWEEN TWO (2) NEW BASETRACK.
11. PROVIDE AND INSTALL JUNCTION BOX IN CRAWLSPACE TO FEED BASETRACK FOR DATA CABLING. RUN 21mmC c/w DATA CABLING TO LAN CLOSET.
12. RUN SEPARATE NEUTRAL WIRE FOR EACH COMPUTER WORK STATION DUPLEX RECEPTACLE.
13. PROVIDE JUNCTION BOX TO RE-INSTALL LOW VOLTAGE TRANSFORMER (TR) FOR DOOR BELL/CHIME SYSTEM. CONNECT ALL LOW VOLTAGE WIRING AS REQUIRED. RUN LOW VOLTAGE WIRING CONCEALED. RUN CONDUIT/ WIRING TO PANEL 'D' IN BASEMENT. NO BX/FLEX ALLOWED.
14. RUN CONDUIT AND WIRING WITH NUMBER OF CIRCUITS SHOWN IN CRAWLSPACE/BASEMENT CEILING TO NEW POWER PANEL 'D'. SEE 'PARTIAL BASEMENT FLOOR PLAN - ELECTRICAL REVISED LAYOUT' AND 'PANEL SCHEDULES' ON DRAWING No. E-01.
15. SEE 'REVISED POWER RISER DIAGRAM - 200AMPS, 120/240 VOLTS, SINGLE PHASE, 3-WIRE' AND 'PANEL SCHEDULES' ON DRAWING No. E-01.
16. RUN ALL TELEPHONE AND DATA CABLING FROM NEW OUTLETS TO EXISTING DATA NETWORKING SWITCH CABINET AND NEW TELEPHONE PATCH PANEL/BIX IN LAN CLOSET. RUN CABLING AS PER OWNER TELEPHONE AND DATA REQUIREMENTS.
17. RUN TELEPHONE CABLING TO INTERCONNECT NEW PATCH PANEL/BIX'S BOARD AND EXISTING 'NORTEL NETWORK' TELEPHONE EQUIPMENT IN BASEMENT. SEE 'PARTIAL BASEMENT FLOOR PLAN - ELECTRICAL REVISED LAYOUT' ON THIS DRAWING.
18. PROVIDE TYPEWRITTEN PANEL INDEX.
19. PROVIDE LAMICOID NAMEPLATES ON EXISTING AND NEW POWER PANELS. LAMICOID WORDING TO INCLUDE: 'PANEL - 120/240 VOLTS, 1 PHASE, 3 WIRE'.
20. NEW 3#3XL IN 35mm CONDUIT TO NEW 100AMPS/2-POLE FUSIBLE DISCONNECT SWITCH ABOVE EXISTING SURFACE MOUNTED WIREWAY/GUTTER RATED FOR 200AMPS, 3-POLE, 575 VOLTS. SEE 'REVISED POWER RISER DIAGRAM - 200AMPS, 120/240VOLTS, 1 PHASE, 3-WIRE' BELOW.
21. PROVIDE WIREMOLD/WIRING AND CONNECT EM BATTERY PACKS, COMBINATION EXIT SIGN/BATTERY PACK, EM REMOTE HEADS AS SHOWN.
22. PROVIDE EM REMOTE HEADS IN CORRIDOR OF SECOND (2nd) FLOOR. CONNECT TO EM BATTERY PACK (EMI) USING WIREMOLD/WIRING. COORDINATE EXACT LOCATION WITH ARCHITECT/OWNER PRIOR TO ROUGH-IN.
23. NEW RADIO REMOTE OUTLET WITH MODULE FOR CAT. 5 OR CAT. 6 CABLE DROP. RUN CABLING FROM RADIO OUTLET TO NEW RADIO/RACK PATCH PANEL IN BASEMENT. SEE 'PARTIAL BASEMENT FLOOR PLAN - ELECTRICAL REVISED LAYOUT' BELOW. SEE 'ELECTRICAL SPECIFICATIONS' ON DRAWING No. E-03 FOR CAT. 5 OR CAT. 6 CABLING. OWNER TO DECIDE ON SELECTION OF CABLE DURING TENDER STAGE. COORDINATE WITH ARCHITECT/OWNER PRIOR TO BIDDING. VERIFY EXACT LOCATION OF REMOTE RADIO OUTLET WITH ARCHITECT/OWNER PRIOR TO ROUGH-IN. ALL EXACT LOCATIONS TO BE MARKED ON AS-BUILT/RECORD DRAWINGS.
24. NEW RADIO RACK/PATCH PANEL. CONFIRM EXACT LOCATION WITH ARCHITECT/OWNER PRIOR TO ROUGH-IN. RACK IS AVAILABLE FROM OWNER IF REQUIRED. RACK AND PATCH PANEL TO BE GROUNDED/BONDED AS PER C.E.C., RUN #6XL Cu GROUND WIRE (GREEN).
25. PROVIDE AND INSTALL 120V/15A-20A 'T'-SLOT DUPLEX RECEPTACLE (D-19) AND 30A/120V SPECIAL PURPOSE OUTLET (D-21). RUN CONDUIT/WIRING TO PANEL 'D'.
26. EXISTING TOWER WITH DUAL ANTENNA AND COAX CABLE. POSSIBILITY OF THIRD ANTENNA AND COAX CABLE FOR FUTURE USE. RUN 35mm CONDUIT c/w TWO (2) PULLWIRES FROM EXISTING TOWER TO NEW RADIO RACK/PATCH PANEL IN BASEMENT. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.
27. PROVISION FOR TRIPOD BASED ANTENNA ON ROOF. RUN 35mm CONDUIT c/w PULLWIRES FROM ANTENNA LOCATION TO NEW RADIO RACK/PATCH PANEL IN BASEMENT. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.
28. PROVIDE 21mm CONDUIT c/w PULLWIRES FOR GROUNDING AT EACH ANTENNA LOCATION. RUN CONDUIT FROM ANTENNA LOCATION TO POWER DISTRIBUTION AREA IN BASEMENT.
29. EXISTING FIRE SMOKE ALARMS (SA) DETECTORS LOCATION TO BE VERIFIED AT SITE BY ELECTRICAL CONTRACTOR. EXISTING FIRE SMOKE ALARMS (SA) DETECTORS TO BE REPLACED WITH NEW FIRE SMOKE ALARM (SA) DETECTORS, 120 VOLT AC, BATTERY BACKUP OPERATED AND INTERCONNECTION CAPABILITY. MARK AS-BUILT/RECORD DRAWINGS FOR LOCATION OF SMOKE ALARM DETECTORS. RUN CONDUIT/WIRING TO HOT SIDE/LEG OF WASHROOM LIGHT SWITCH. LABEL BREAKER SMOKE ALARMS TO NOT TURN OFF. PAINT BREAKER FIRE ALARM RED AND PROVIDE LOCK-ON. RUN WIREWAY/ CONDUIT/FLEX/WIRES CONCEALED AS MUCH AS POSSIBLE. USE THIN WIREMOLD NOT PLASTIC FOR SURFACE RUNS. ALL FIRE SMOKE ALARM (SA) DETECTORS TO BE INTERCONNECTED.
30. PROVIDE SECURITY GUARD COVER FOR RECESSED MOUNTED SMOKE ALARM (SA) DETECTOR. SECURITY GUARD COVERS TO BE APPROVED BY OWNER. SECURITY GUARD COVER TO BE ULC RATED FOR USE WITH APPROVED SMOKE ALARM DETECTORS. APPROVED SECURITY GUARD COVER: SIMPLEX 2098-9829C OR EDWARDS 6255-004 OR NOTIFIER GIA-2.



REVISED POWER RISER DIAGRAM - 200 AMPS, 120/240 VOLTS, 1 PHASE, 3-WIRE

NOT TO SCALE

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JO PROJECT # 1557

Notes:

- Do not scale drawing
- It is the responsibility of the appropriate Contractor to check and verify all dimensions on site and report all errors and/or omissions to the Architect or Engineer
- It is the responsibility of the appropriate Contractor to comply with all Codes and Regulations applicable to the performance of their work.
-
- All dimensions are in mm unless noted otherwise.

Issues/Revisions

No.	Description	Date	By
1	Issued for Tender	Dec.9/2015	D.O.

Seal

Client

Project

VIKING

Scale	As Noted	Designed By	D.O./D.S.
Project No.	1557	Drawn By	D.O./D.S.
Date	December 2015	Checked By	D.O.

Drawing Title

PARTIAL BASEMENT & FIRST FLOOR PLAN - ELECTRICAL REVISED LAYOUT, REVISED POWER RISER DIAGRAM & NOTES

Drawing No.

E-02