



BASEMENT FLOOR PLAN - POWER AND SYSTEMS
SCALE 1:100

ELECTRICAL POWER AND SYSTEMS NOTES:

- ALSO SEE NOTES & SPECIFICATIONS.
ALL WIRING & CABLING SHALL BE CONCEALED IN DOOR JAMB &/OR IN WALL CAVITY FOR FINISH SPACES. ALL WIRING & CABLING IN CEILING SPACE SHALL BE PLENUM RATED AS PER LATEST CEC.
- ELECTRICAL CONDUIT SUPPORT
 - PROVIDE ANCHORED SUPPORT RODS TO CEILING TO SUPPORT 16" MINIMUM LONG UNISTRUTS ALONG LAYOUT SHOWN. PROVIDE STEEL EMT CLAMPS FOR UNISTRUT MOUNTING. MOUNT HEIGHT TBD.
 - COMMUNICATION TRAY SYSTEM
 - PROVIDE COMMUNICATION TRAY SYSTEM TO SUPPORT CABLING FOR DATA, FUTURE CARD ACCESS, TELEPHONE, INTRUSION ALARM, LIGHTING CAT5e. SYSTEM SHALL BE LEGRAND "CABLOFIL CABLE MANAGEMENT" WITH CABLOFIL CABLE TRAY CF105/300 (4" HEIGHT x 12" WIDTH) ALL NECESSARY CLAMP KITS, SUPPORTS, BRACKETS, DROPOUTS, CABLE EXITS, CLIPS, MOUNT HEIGHT TBD. GROUNDING SHALL CONFORM TO LATEST CEC.
 - ATTACH CABLE TRAY TO TOP OF ELECTRICAL CONDUIT SUPPORT UNISTRUT.
 - TRANSFORMER POWER FOR VAVs
 - PROVIDE DEDICATED 120V/1PH, 15A CIRCUIT WITH BREAKER TO (2) TRANSFORMER WITH AUTOMATIC SHORT CIRCUIT PROTECTION, 120VAC-24VAC, 100VA RATING. PLATE MOUNTING. MOUNT TRANSFORMERS WITH PLATE SECURELY ON WALL AT 2300mm AFF.
 - REFER TO MOTOR SCHEDULE FOR WIRE & CONNECT OF EQUIPMENT. TYPICAL.
 - MOUNT EMERGENCY SIGN/ BATTERY UNIT ABOVE DOOR AT 2400mm AFF.
 - MOUNT COMPACT DOUBLE REMOTE EMERGENCY LAMPS AT 2400mm AFF.
 - TELEPHONE/COMMUNICATION BACKBOARD. REFER TO SPECIFICATION.
 - LINE-VOLTAGE THERMOSTAT WITH 24V RELAY & TRANSFORMER 347V/24V TO CONTROL BASEBOARD HEATER & VAV.
 - PROVIDE NETWORK RACK & MOUNT SECURELY TO FLOOR. PROVIDE 1000mm SPACE IN FRONT & BEHIND & 600mm AT SIDES FOR ACCESS. REFER TO ELECTRICAL LEGEND FOR EQUIPMENT SPECIFICATION.
 - PROVIDE IN-DUCT SMOKE DETECTOR & ALL NECESSARY COMPONENTS TO BE MOUNTED ON AHU-1 RETURN DUCT. WIRE WITH RELAY & ALL NECESSARY COMPONENTS TO BUILDING ALARM CONTROL PANEL, HEAT & SMOKE DETECTOR CONTACTS. CONFIGURE TO SHUT-DOWN AHU-1 WHEN HEAT &/OR SMOKE DETECTOR IS ACTIVATED. REFER TO DRAWING E8, INTRUSION ALARM AND MONITORING SYSTEMS, BUILDING ALARM CONTROL PANEL BY-OTHERS.

- NOTES:**
- THESE DRAWINGS SHALL NOT BE SCALED. CONSULT WITH CLIENT AND DESIGNER ON ANY CONCERNS.
 - DIMENSIONS & UNITS SHOWN IN WHOLE NUMBERS ARE IN MILLIMETRES (mm).
 - DIMENSIONS & UNITS SHOWN TO DECIMAL PLACES ARE IN METRES (M).
 - ALSO REFER TO SHEET E1 & ELECTRICAL SPECIFICATIONS.

No.	REVISION/DESCRIPTION	BY	DATE
0	ISSUED FOR CONSTRUCTION	DTA	2017.03.20



DRAWN	DATE	CHECKED	DESIGNED	APPROVED
DTA	2017.03.20	USER	DTA	DTA

THE CITY OF WINNIPEG
PLANNING, PROPERTY AND
DEVELOPMENT DEPARTMENT
MUNICIPAL ACCOMMODATIONS DIVISION
3-65 GARRY STREET, R3C 4K4

PROJECT
BRADY ROAD LANDFILL
ADMINISTRATION BUILDING
DEVELOPMENT FOR BRADY LANDFILL
1777 BRADY ROAD

SHEET TITLE
BASEMENT FLOOR PLAN
ELECTRICAL
POWER AND SYSTEMS

SCALE	PROJECT No:	SHEET No:
AS SHOWN	2015-037-02	E3