

- NOTES:**
1. REMOVE FEEDS TO EXISTING SUMP PUMPS. MARK STARTERS AS SPARE. PROVIDE NEW STARTERS FOR SUMP PUMPS AND FEED FROM EMERGENCY POWER.
  2. SUPPLY CANTRUSS RACK AT SIDE OF EXISTING MCC FOR NEW 4-PLEX. NEW STARTERS: FVNR, HOA SIZE 1 (NEMA). RE-USE EXISTING IN-SLAB CONDUIT TO BASE OF MCC AND EXTEND TO NEW STARTERS. REMOVE EXISTING CONDUCTORS AND PROVIDE NEW 3C #12 PLUS GROUND WIRE.
  3. PROVIDE NEW 30A DISCONNECT FOR COMPRESSOR. LOCATE ON SIDE OF MAINTENANCE OFFICE ADJACENT TO COMPRESSOR. REMOVE ALL EXISTING WIRING AND CONDUITS.
  4. PROVIDE ONE CIRCUIT TO MECHANICAL ROOM FOR EXISTING LIGHTING (PANEL EM-208-B).
  5. PROVIDE NEW 150A 3P BREAKER IN EXISTING MAIN DISTRIBUTION HORIZON CE3150N, 25KA I.C. (SYM.), FOR "NORMAL FEED."
  6. PROVIDE A NEW CANTRUSS MOUNTING RACK FOR EMERGENCY TRANSFER SWITCHES, PANELS, TRANSFORMER, ETC. USE EXISTING CONCRETE HOUSINGKEEPING PAD.
  7. THIS CHART DESCRIBES - IN GENERAL TERMS - THE LIGHTING ON CIRCUITS TO BE CONNECTED TO THE NEW ELECTRICAL DISTRIBUTION SYSTEM. IN ALL CASES, FIXTURE WILL BE FED FROM NEW CIRCUITS/CONDUITS UNLESS CONTRACTOR CAN VERIFY ISOLATION OF EXISTING. IN MOST CASES, TWO OR MORE CIRCUITS WILL BE INCLUDED. INCLUDE IN THE TENDERED PRICE ONE ADDITIONAL CIRCUIT IN EACH DESIGNATED AREA - WHICH CAN BE IDENTIFIED AFTER THE "AS-IS" DRAWINGS ARE PREPARED. THIS NOTE IS TYPICAL FOR ALL DRAWINGS. THE CONTRACTOR SHALL SELECT CIRCUITS AND REVIEW WITH CONTRACT ADMINISTRATOR TO ENSURE EVEN LIGHTING.
  8. RUN NEW 600V FEED FOR NEW TRANSFORMER EM-TR-2 UP TO MAIN FLOOR AREA PL-1 CEILING SPACE, THEN FOLLOW ROUTING SHOWN FOR UPS FEEDER ON DRAWING E3.
  9. RUN NEW 208V FEED FOR NEW PANEL UPS-208-B ALONG SAME ROUTE AS FEEDER PER NOTE 8.
  10. PROVIDE MONITORING PANEL FOR BOTH GENERATOR (PER CSAC282 ALARM POINTS) AND TRANSFER SWITCH. PROVIDE CONDUCTORS TO GENSET ENCLOSURE IN CONDUIT. PROVIDE CONNECTION AND TWO NEW "POINTS" ON EXISTING METASYS BMS FOR "GENERATOR TROUBLE" COMMON ALARM AND ANOTHER FOR UPS ON BATTERY.

**A BASEMENT PLAN**  
 SCALE: 1:250mm (11x17")  
 1:500mm (24x36")

SEE NOTE 7

AREA No.	DESCRIPTION	FIXTURES	EM PANEL	NO. OF CIRCUITS
B-1	BASEMENT EAST MECHANICAL RM, ELECTRICAL RM & WEST STORAGE	TRANSFER A MINIMUM OF 12 FIXTURES WITH MAXIMUM OF ALL FIXTURES	EM-208-B	4
B-2	BASEMENT SERVICE CORRIDOR	TRANSFER ALL FLOURESCENT FIXTURES TO NEW SYSTEM	EM-208-B	3
B-3	BASEMENT WEST MECHANICAL RM & CRAWLSPACE STORAGE	TRANSFER OVER 8 FLOURESCENT FIXTURES MINIMUM	EM-208-A	2
B-4	WATERSLIDE POOL TANK & EAST SERVICE CRAWLSPACE	TRANSFER ALL CIRCUITS TO NEW SYSTEM	EM-208-A	3
SW-1	STAIRWELL No.1 (NORTHWEST)	MINIMUM ONE FIXTURE PER LANDING. CONTRACTOR MAY TRANSFER ALL FIXTURES	EM-208-B	2
SW-2	STAIRWELL No.2 (SOUTHWEST)	MINIMUM ONE FIXTURE PER LANDING. CONTRACTOR MAY TRANSFER ALL FIXTURES	EM-208-B	2
SW-6	STAIRWELL No.6 (EAST MECH RM/ SOUTH CRAWLSPACE)	MINIMUM ONE FIXTURE PER LANDING. CONTRACTOR MAY TRANSFER ALL FIXTURES	EM-208-A	2

NO.	D / M / Y	DESCRIPTION	BY
2	22/11/06	ISSUED FOR ADDENDUM #2	
1	15/11/06	ISSUED FOR ADDENDUM	
0	23/10/06	ISSUED FOR TENDER	

**REVISIONS / ISSUE**

A. SECTION LETTER OR DETAIL NUMBER  
 B. DRAWING WHERE SECTION OR DETAIL IS DRAWN  
 OR  
 DRAWING WHERE SECTION OR DETAIL WAS INDICATED  
 - SECTION OR DETAIL SHOWN ON SAME DRAWING

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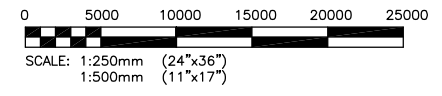
CLIENT: **CITY OF WINNIPEG**  
 PUBLIC WORKS DEPARTMENT

PROJECT: **INSTALLATION OF EMERGENCY GENERATOR AT PAN-AM POOL - 25 POSEIDON BAY TENDER No. 663-2006**

DWG. DESCRIPTION: **ELECTRICAL BASEMENT PLAN**

ENG. STAMP	DESIGNED: AP	DRAWN: GCN
APPROVED:	CHECKED:	CHECKED:
SCALE: AS NOTED	DATE: OCT/2006	
KGS DWG. NO. 06-0107-08	E2	

CLIENT DWG. NO. 663-P-E02  
 REV: 2



**APEGM**  
 Certificate of Authorization  
 KGS Group  
 No. 245 Expiry: April 30, 2007