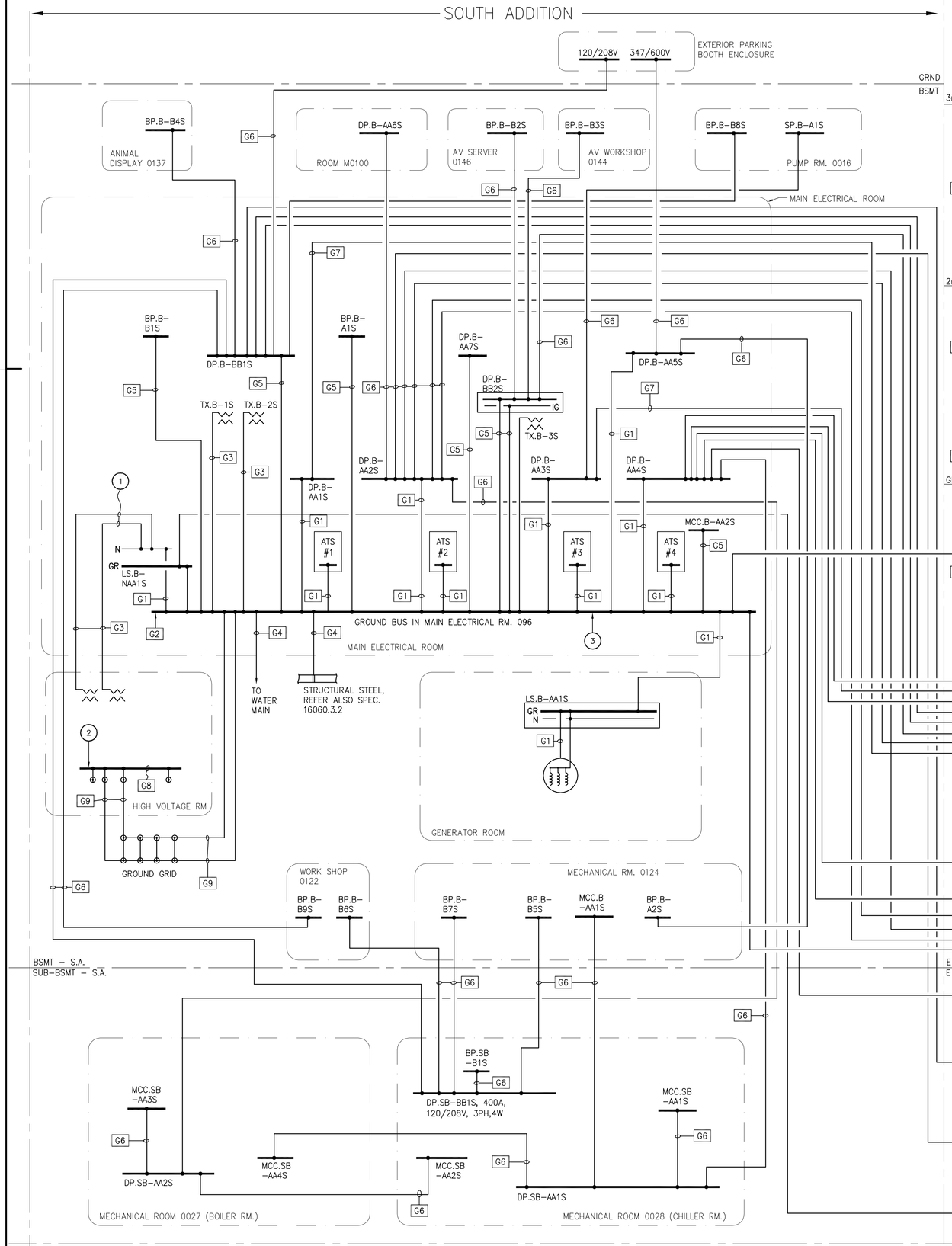
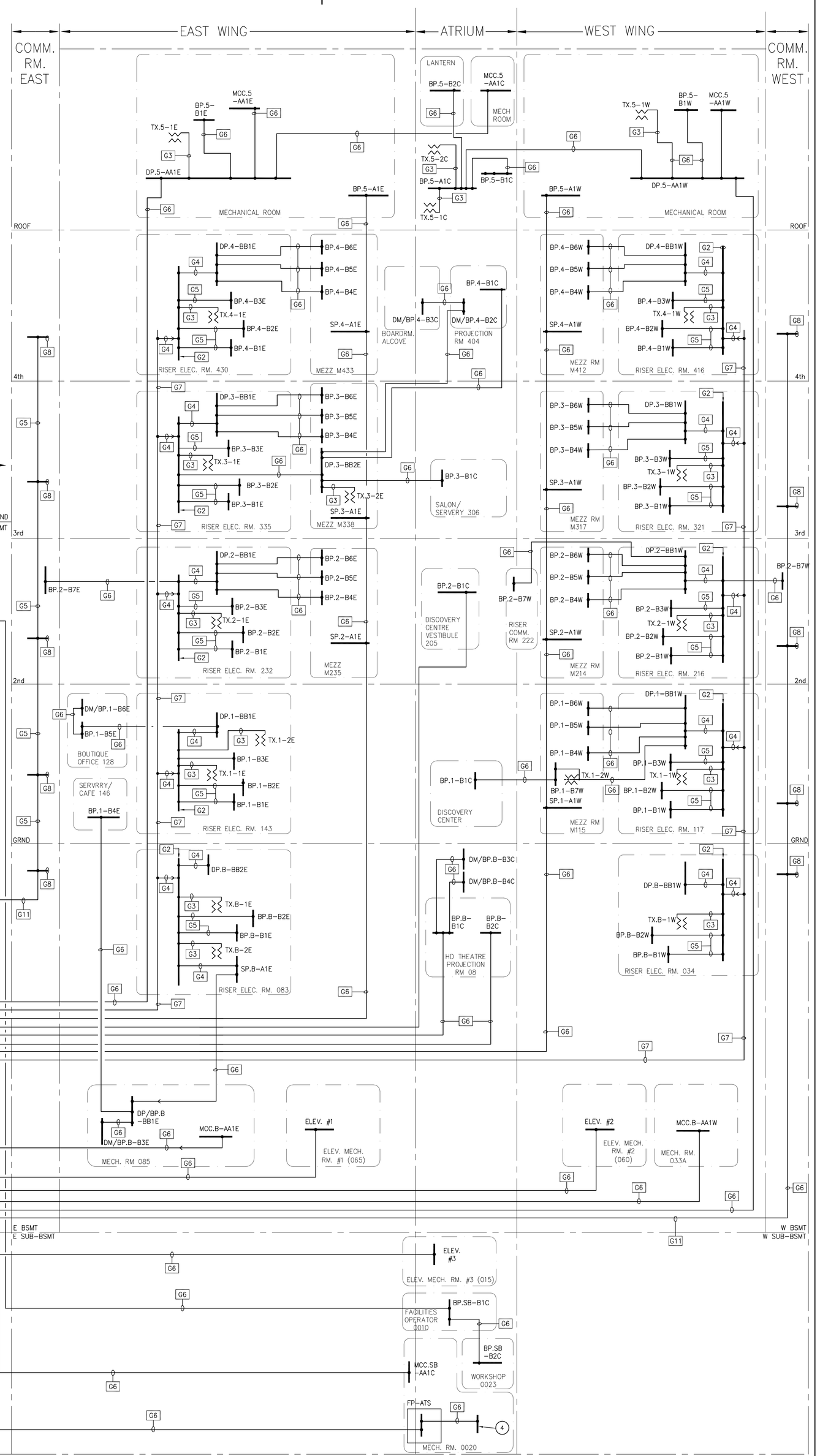
STANDARD FEEDER SCHEDULE

FDR. AMPS	FDR. NO.	SIZE/TYPE	FDR. NO.	SIZE/TYPE	FDR. NO.	SIZE/TYPE	FDR. NO.	
20	1	4 #12, 20mm C	1A	3 #12, 20mm C	1B	3 #12 + 1 #10(N) – 20mm C	1C	3 #12 + 1 #12 GR – 20mm C	1D	4C #12 – TECK
30	2	4 #10, 20mm C	2A	3 #10, 20mm C	2B	3 #10 + 1 #8(N) – 25mm C	2C	3 #10 + 1 #10 GR – 25mm C	2D	4C #10 – TECK
45	3	4 #8, 20mm C	3A	3 #8, 20mm C	3B	3 #8 + 1 #6(N) – 25mm C	3C	3 #8 + 1 #8 GR – 25mm C	3D	4C #8 – TECK
65	4	4 #6, 25mm C	4A	3 #6, 25mm C	4B	3 #6 + 1 #3(N) – 32mm C	4C	3 #6 + 1 #6 GR – 32mm C	4D	4C #6 – TECK
85	5	4 #4, 32mm C	5A	3 #4, 25mm C	5B	3 #4 + 1 #1(N) – 32mm C	5C	3 #4 + 1 #6 GR – 32mm C	5D	4C #4 – TECK
105	6	4 #3, 32mm C	6A	3 #3, 32mm C	6B	3 #3 + 1 #1/0(N) – 32mm C	6C	3 #3 + 1 #1 GR – 32mm C	6D	4C #3 – TECK
120	7	4 #2, 32mm C	7A	3 #2, 32mm C	7B	3 #2 + 1 #2/0(N) – 50mm C	7C	3 #2 + 1 #1 GR – 38mm C	7D	4C #2 – TECK
140	8	4 #1, 38mm C	8A	3 #1, 32mm C	8B	3 #1 + 1 #3/0(N) – 65mm C	8C	3 #1 + 1 #1 GR – 38mm C	8D	4C #1 – TECK
155	9	4 #1/0, 50mm C	9A	3 #1/0, 38mm C	9B	3 #1/0 + 1 #4/0(N) – 65mm C	9C	3 #1/0 + 1 #1 GR – 38mm C	9D	4C #1/0 – TECK
185	10	4 #2/0, 50mm C	10A	3 #2/0, 38mm C	10B	3 #2/0 + 1 #300MCM(N) – 65mm C	10C	3 #2/0 + 1 #1 GR – 50mm C	10D	4C #2/0 – TECK
210	11	4 #3/0, 50mm C	11A	3 #3/0, 50mm C	11B	3 #3/0 + 1 #350MCM(N) – 75mm C	11C	3 #3/0 + 1 #1 GR – 50mm C	11D	4C #3/0 – TECK
235	12	4 #4/0, 65mm C	12A	3 #4/0, 50mm C	12B	3 #4/0 + 1 #400MCM(N) – 75mm C	12C	3 #4/0 + 1 #1 GR – 50mm C	12D	4C #4/0 – TECK
265	13	4 #250MCM, 65mm C	13A	3 #250MCM, 65mm C	13B	3 #250MCM + 1 #500MCM(N) – 75mm C	13C	3 #250MCM + 1 #1/0 GR – 75mm C	13D	4C #250MCM – TECK
295	14	4 #300MCM, 75mm C	14A	3 #300MCM, 65mm C	14B	3 #300MCM + 1 #600MCM(N) – 100mm C	14C	3 #300MCM + 1 #1/0 GR – 75mm C	14D	4C #300MCM – TECK
325	15	4 #350MCM, 75mm C	15A	3 #350MCM, 65mm C	15B	3 #350MCM + 1 #700MCM(N) – 100mm C	15C	3 #350MCM + 1 #1/0 GR – 100mm C	15D	4C #350 MCM – TECK
345	16	4 #400MCM, 75mm C	16A	3 #400MCM, 75mm C	16B	3 #400MCM + 2 #250MCM(N) – 100mm C	16C	3 #400MCM + 1 #1/0 GR – 100mm C	16D	4C #400MCM – TECK
395	17	4 #500MCM, 100mm C	17A	3 #500MCM, 75mm C	17B	3 #500MCM + 2 #300MCM(N) – 100mm C	17C	3 #500MCM + 1 #2/0 GR – 100mm C	17D	4C #500MCM – TECK
500	18	4 #750MCM, 100mm C	18A	3 #750MCM, 100mm C	18B		18C	3 #750MCM + 1 #3/0 GR – 100mm C	18D	

GROUNDING CONDUCTORS

- G1 #3/0 INSULATED GROUND.
- G2 6.5mm X 50mm COPPER GROUND BUS ON INSULATED SUPPORTS ALL AROUND THE ROOM.
- G3 TRANSFORMER NEUTRAL GROUND TO CODE.
- G4 #2/0 INSULATED GROUND.
- G5 #1/0 INSULATED GROUND.
- G6 INSULATED GROUND IN FEEDER CONDUIT, REFER DWG. TP4/C–E303 & FEEDER SCHEDULE ON DWG. TP4/C–E304 FOR SIZE.
- G7 #3/0 INSULATED GROUND WITH FEEDER/BUS DUCT.
- G8 6.5mm X 50mm X 900 COPPER GROUND BUS ON INSULATED SUPPORTS.
- G9 #3/0 BARE COPPER GROUND.
- G10 #3/0 INSULATED GROUND IN NON FERROUS CONDUIT.
- G11 #1/0 INSULATED IN GROUND IN NON FERROUS CONDUIT.





GENERAL NOTES:

1. REFER TO DRAWING E304 FOR FEEDER SCHEDULE AND GROUNDING REQUIREMENTS

SPECIFIC NOTES:

1. POWER TRANSFORMER NEUTRALS – SINGLE POINT GROUNDED AT LS.B–NAA1S ONLY.
2. TRANSFORMER VAULT GROUND BUS. REFER TO DRAWING E–403.
3. TO MAKE THE GROUND BUS CONTINUOUS AROUND THE MAIN ELECTRICAL ROOM, INSTALL IT TO RISE AT ONE DOOR LOCATION AND GO OVER THE DOOR.
4. FIRE PUMP CONTROL PANEL.

1 / E304 GROUNDING RISER DIAGRAM
N.T.S.

Public Works and Government Services Canada / Travaux publics et Services gouvernementaux Canada

Canadian Museum of Nature / Musée canadien de la NATURE

PKG JOINT VENTURE ARCHITECTS
BARRY PADOLSKY ASSOCIATES INC. ARCHITECTS
KUWABARA PAYNE MCKENNA BLUMBERG ARCHITECTS
GAGNON, LETELLIER, CYR ARCHITECTES
377 Dalhousie Street, Ottawa Ontario K1N 9N8
Tel.: (613) 241–7198 Fax.: (613) 241–5782
Email: email@padolsky–architects.com

GENIVAR CONSULTING GROUP LTD
15 Fitzgerald Road, Nepean, Ontario K2H 9G1
Tel.: (613) 829–2800 Fax.: (613) 829–8299
Email: mail@genivar.com

Halsall ENGINEERS–CONSULTANTS
210 GLADSTONE AVENUE, STE. 3001
OTTAWA, ONTARIO, CANADA K2P 0Y6
tel: (613) 237–2462 fax: (613) 237–2035
1–888–HALSALL halsall.com

RECORD DRAWING
THESE RECORD DOCUMENTS HAVE BEEN PREPARED BASED ON INFORMATION PROVIDED BY OTHERS. GENIVAR HAS NOT VERIFIED THE ACCURACY AND/OR COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS THAT MAY BE INCORPORATED AS A RESULT OF ERRONEOUS INFORMATION PROVIDED BY OTHERS. GENIVAR RECOMMENDS THAT EXISTING INSTALLATIONS BE VERIFIED ON SITE. –
17/08/2010

KEY PLAN / PLAN CLE

revision / révision	issue / émission	description	date
01		RECORD DRAWING	17 AUG 2010

A detail no. no. du d'tail
B location drawing no. no. de localisation
C drawing no. no.du dessin

project / projet
VICTORIA MEMORIAL MUSEUM BUILDING Rehabilitation project
PROJET DE RÉHABILITATION DE L'ÉDIFICE COMMÉMORATIF VICTORIA

drawing / dessin
GROUNDING RISER DIAGRAM

measured / mesuré		
date		
drawn / dessiné	Q.G./B.H.	
date	15 OCT 04	
reviewed / examiné	K.S./B.H.	
date	15 OCT 04	
approved / approuvé	K.S.	
date	15 OCT 04	
tender / soumission	MARIA SOMJEN	
PWC Project Manager	Administrateur de projets TPC	
project no. / no. du projet	436914	
drawing no. / no. du dessin	TP4/C–E304	