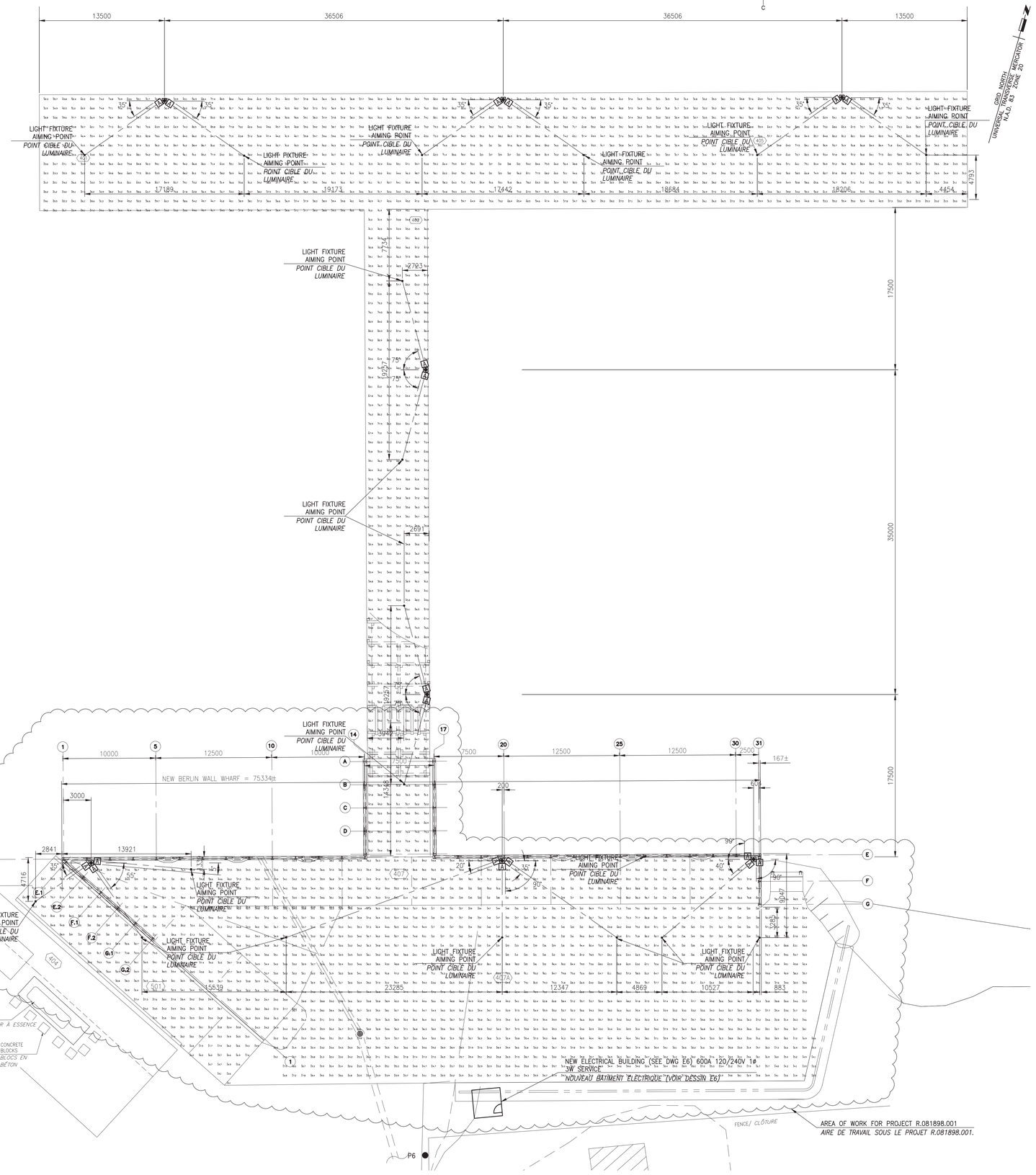
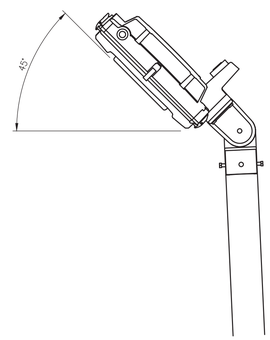


ILLUMINATION CALCULATION
1 / E7 — *CALCULS D'ILLUMINATION*
SCALE 1:200

CALCULATION POINTS	DESIGN ILLUMINATION	FIXTURE	WATTAGE	TOTAL LLF	UNITS	AVG	MAX	MIN	AVG/MIN	MAX/MIN
401/405	50 LUX	HOLOPHANE PLLED 9 4K 10 55	391	0.45	LUX	53.1	110.0	19.0	2.8	5.8
402	50 LUX	HOLOPHANE PLLED 9 4K 10 55	391	0.45	LUX	57.8	89.5	32.4	1.8	2.8
407	50 LUX	HOLOPHANE PLLED 9 4K 10 55	391	0.45	LUX	73.9	168.0	24.0	3.0	7.1
407A	50 LUX	HOLOPHANE PLLED 9 4K 10 55	391	0.45	LUX	56.7	183.0	12.5	4.5	14.6
501	50 LUX	HOLOPHANE PLLED 9 4K 10 55	391	0.45	LUX	51.2	110.0	13.1	3.9	9.2

CALCULATION SUMMARY
2 / E7 — *SOMMAIRE DES CALCULS*
SCALE N.T.S.

POINTS DE CALCUL	ILLUMINATION DE CONCEPTION	LUMINAIRE	PUISSANCE	LLF TOTAL	UNITE	MOYENNE	MAX	MIN	MOYENNE /MIN	MOYENNE /MAX
401/405	50 LUX	HOLOPHANE PLLED 9 4K 10 55	391	0.45	LUX	53.1	110.0	19.0	2.8	5.8
402	50 LUX	HOLOPHANE PLLED 9 4K 10 55	391	0.45	LUX	57.8	89.5	32.4	1.8	2.8
407	50 LUX	HOLOPHANE PLLED 9 4K 10 55	391	0.45	LUX	73.9	168.0	24.0	3.0	7.1
407A	50 LUX	HOLOPHANE PLLED 9 4K 10 55	391	0.45	LUX	56.7	183.0	12.5	4.5	14.6
501	50 LUX	HOLOPHANE PLLED 9 4K 10 55	391	0.45	LUX	51.2	110.0	13.1	3.9	9.2



LIGHT FIXTURE AIMING DETAIL
3 / E7 — *DÉTAIL DE POINTAGE DE LUMINAIRE*
SCALE N.T.S.

SCALE : N.T.S.

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

electrical consultant

RSEI Consultants Ltd.

564 Prospect St, Fredericton, NB Canada E3B 9M3 • 506.451.0005

Stamp / Etampe

Ralph A. Smith
2017.06.16
PROFESSIONAL ENGINEER / INGÉNIEUR PROFESSIONNEL

rsmith@rsei.nb.ca

revisions	description	date
0	ISSUED FOR TENDER	2017 06.16

project / projet
NEW MARGINAL WHARF
NOUVEAU QUAI MARGINAL
STRUCTURE 407
VAL COMEAU, NB
COMTÉ DE GLOUCESTER COUNTY

drawing / dessin
ELECTRICAL ILLUMINATION CALCULATIONS & LED LIGHT FIXTURE AIMING
CALCULS D'ILLUMINATION & POINTAGE DE LUMINAIRE DEL

designed	RALPH SMITH, P.ENG.	conçu
date	2017.06.16	
drawn	WILLIAM GOURLEY	dessiné
date	2017.06.16	
approved	RALPH SMITH, P.ENG.	approuvé
date	2017.06.16	
Tender		Soumission
PWGSC Project Manager		2017/06/20 Administrateur de projets TPSGC

project number / no. du projet: R.081898.001

drawing no. / no. du dessin: E7 of/de 7

PWGSC B1 (2004)

E-DRM/GDD-E: 547538

1716