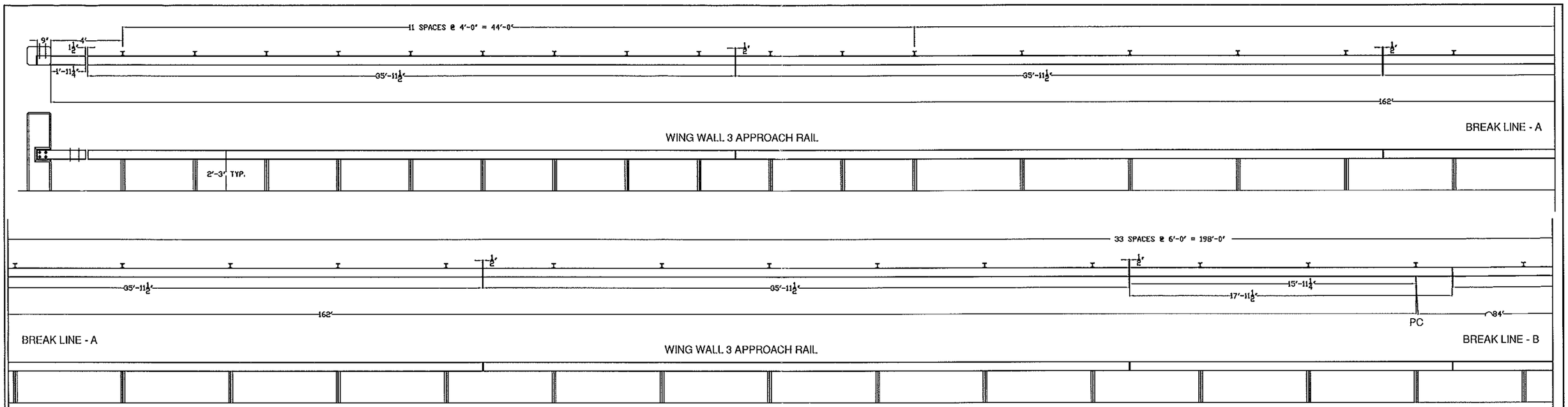


Vermont Agency of Transportation

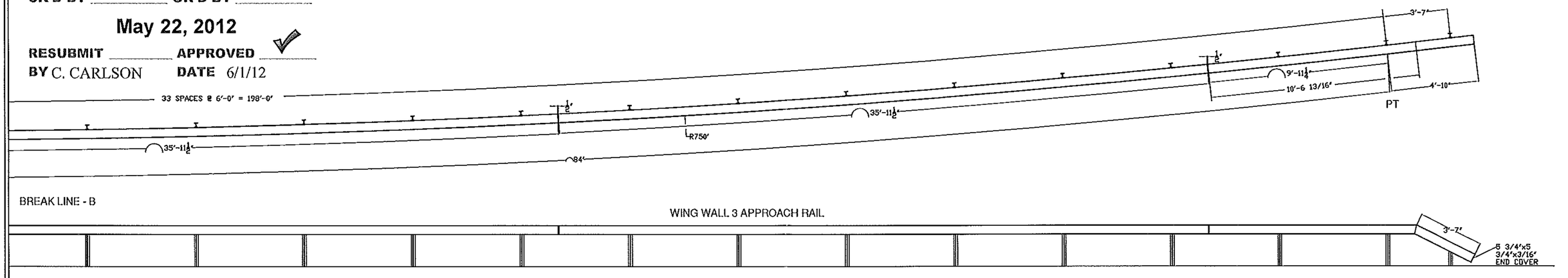
RECEIVED

CK'D BY David Peterson **OK'D BY** CAM

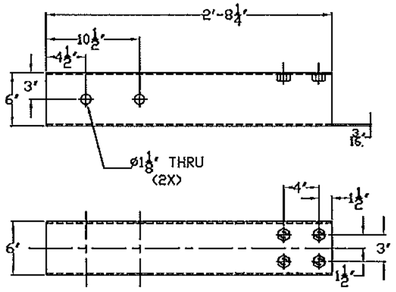
May 22, 2012

RESUBMIT _____ **APPROVED** ✓

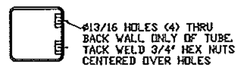
BY C. CARLSON **DATE** 6/1/12



BILL OF MATERIALS - WINGWALL 3			
DET. #	QTY	DESCRIPTION	MATERIAL
1	45	S3x5.7 POST @ 5'-3"	ASTM A36
2	1	S3x5.7 POST @ 3'-8"	ASTM A36
3	1	6"x6"x3/16" BRIDGE RAIL CONNECTOR @ 2'-8 1/4"	ASTM A500 Gr B
4	4	6"x6"x3/16" RAILS @ 35'-11 1/2"	ASTM A500 Gr B
5	1	6"x6"x3/16" RAILS @ 17'-11 1/2" W/ PARTIAL RAD.	ASTM A500 Gr B
6	2	6"x6"x3/16" RAILS @ 35'-11 1/2" W/ 750'-0" RAD.	ASTM A500 Gr B
7	1	6"x6"x3/16" RAIL @ 10'-6 13/16" W/ TURN DOWN & WELDED END CAP	ASTM A500 Gr B
8	2	5/8"x5 3/8" STRAIGHT BRIDGE END SPLICE @ 2'-4"	ASTM A36
9	14	5/8"x5 3/8" STRAIGHT STD. SPLICE @ 2'-3"	ASTM A36
10	46	3/8"x3 1/2"x5" SUPPORT ANGLE @ 4 1/2"	ASTM A36
11	64	ø3/4"x2" HEX BOLT & WASHER (SPLICE PLATES)	ASTM A325 & F436
12	46	ø1/2"x1 1/2" HEX BOLT, NUT & WASHER (SUPPORT ANGLE TO POST)	ASTM A325, A563, & F436
13	46	ø3/8"x7 1/2" HEX BOLT, NUT & (2) WASHERS (RAIL TO SUPPORT ANGLE)	ASTM A325, A563, & F436
14	4	ø3/4"x6 1/2" HEX BOLT & FLAT WASHER (RAIL CONNECTOR TO END POST)	ASTM A325 & F436
15	9	DELINEATORS	ALUMINUM



BRIDGE RAIL CONNECTOR DETAIL



ITEM #: 900.640-GUARD RAIL GEN CONTR: F R LaFayette SHEET 2 OF 4

APPROVED BY:

BOX BEAM GUARDRAIL DETAILS

NEWPORT CITY, RAILROAD SQUARE, TH II (CLASS 2) BRO1449 (25), BRIDGE No. 9
COUNTY OF ORLEANS, STATE OF VERMONT

REV	NO.	DATE	DESCRIPTION	BY

REV	NO.	DATE	DESCRIPTION	BY

ELDERLEE, INC.
OAKS CORNERS, NEW YORK 14518
E-Mail: dlong@elderlee.com
Tel: 315-789-6670 Fax: 315-789-6615

ACTIVE MEMBER

DRAWN	E.P.	5/4/12
CHECKED	D.L.	5/4/12
APPROVED	M.V.	.
SCALE	SCHEMATIC	

DRAWING NO. F R LaFayette - Newport City