JOSEPH P. CARRARA & SONS, INC.

LETTER OF TRANSMITTAL

2464 CASE STREET
MIDDLEBURY, VERMONT 05753

TEL (802) 388-6363
FAX (802) 388-9010

DATE : 6/3/14	JOB NO. : 23419-013
ATTENTION : Mr. Kevin Ture | Mr. Michael Garn KTure@wmschultz.com | MGarn@wmschultz.com	
RE : Vermont Route 73	
Rochester, Vermont	
Rochester BRF 0162 (16) Bridge No. 15	
Rochester BRF 0162 (17) Bridge No. 16	
Transmittal #4	Precast Concrete

TO: **W.M. Schultz Construction, Inc.**
831 Route 67 PO Box 2620
Ballston Spa, New York 12020

518-885-0060

WE ARE SENDING YOU [x] Attached [ ] Under separate cover via **Email** the following items:

[x] Shop Drawings [ ] Prints [ ] Plans [ ] Samples [ ] Specifications

[ ] Copy of Letter [ ] Change Order [ ] Other:

COPIES	DATE	NO.	DESCRIPTION
1	6/3/14	as noted	J. P. Carrara & Sons' Precast Framing and Individual Piece Detail Drawings, Bridge No. 15:
			"For Approval" Drawings: F4, AB1 - AB5, & WW2

THESE ARE TRANSMITTED as checked below :

[x] For approval [ ] Approved as submitted [ ] Resubmit ____ copies for approval

[ ] For your use [ ] Approved as noted [ ] Submit ____ copies for distribution

[ ] As requested [ ] Returned for corrections [ ] Return ____ corrected prints

[ ] For review and comment [ ] ____

[ ] FOR BIDS DUE ____ 20 ____ [ ] PRINTS RETURNED AFTER LOAN TO US

REMARKS **Kevin, Mike,**

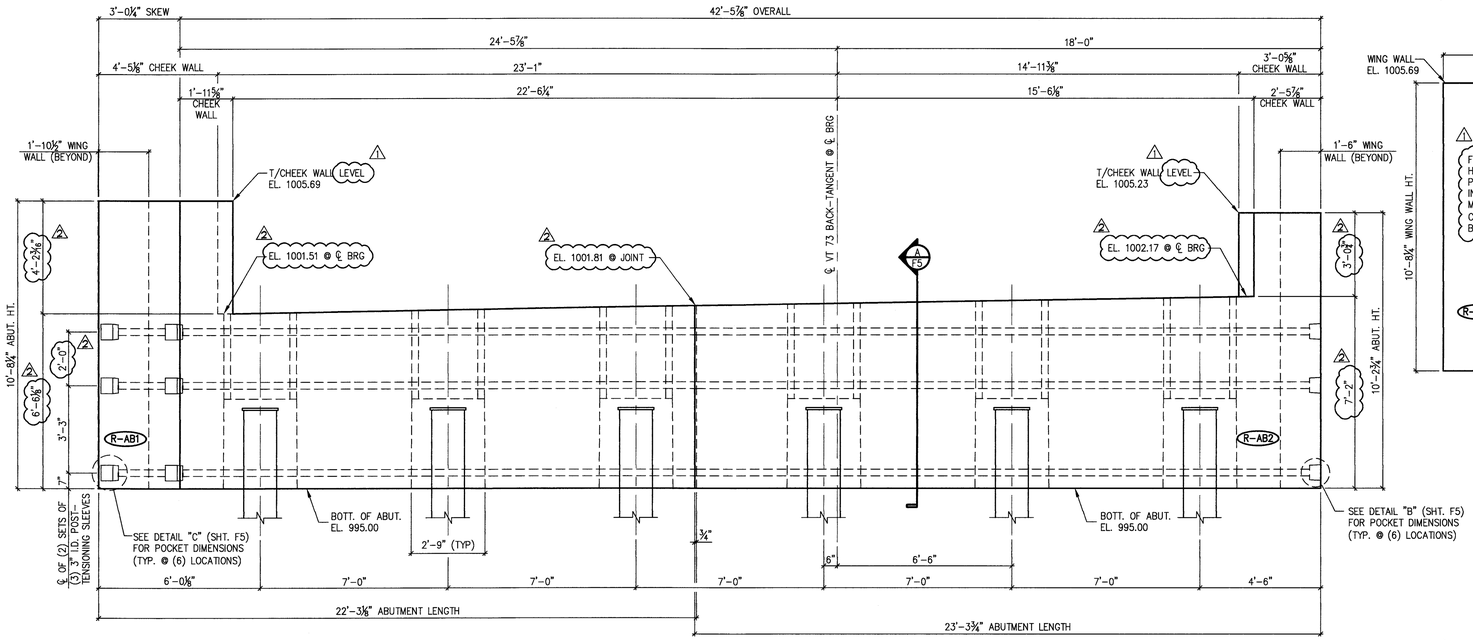
Attached please find updated framing drawings and individual piece drawings for precast abutments as well as an updated piece drawing for wingwall 4 for Bridge 15. The attached drawings are updated in accordance with the revised abutment elevations received 5/20/14. It is JPC's intent that the attached drawings will supersede the same drawings within the Bridge 15 drawing set returned 5/13/14 'Furnish as Corrected'.

Please contact us at 802-388-6363 with any questions.

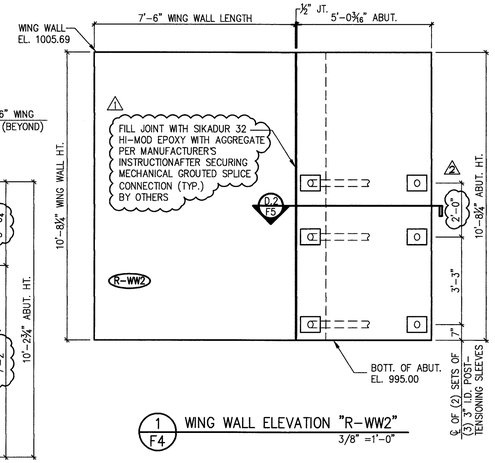
COPY TO :

SIGNED : Michael Weigand

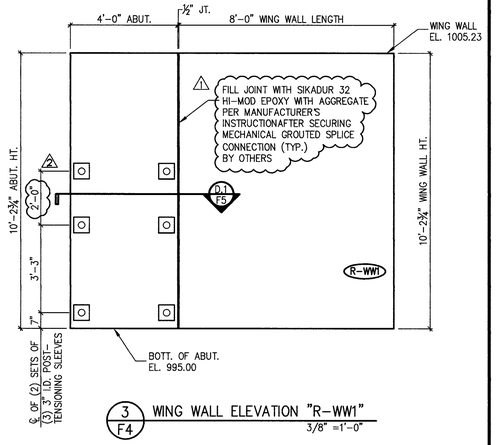
If enclosures are not as noted, please notify us at once.



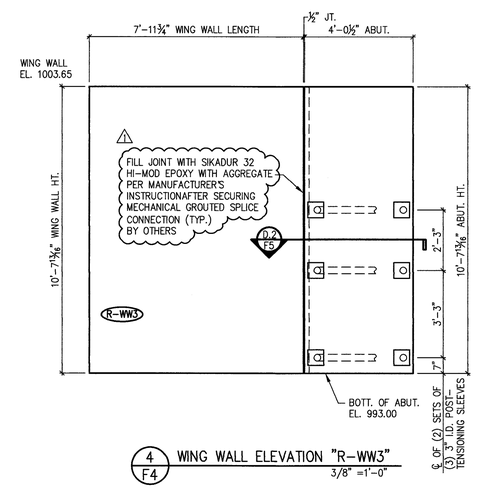
2 / F4 ABUTMENT #1 ELEVATION
3/8" =1'-0"



1 / F4 WING WALL ELEVATION "R-WW2"
3/8" =1'-0"



3 / F4 WING WALL ELEVATION "R-WW1"
3/8" =1'-0"



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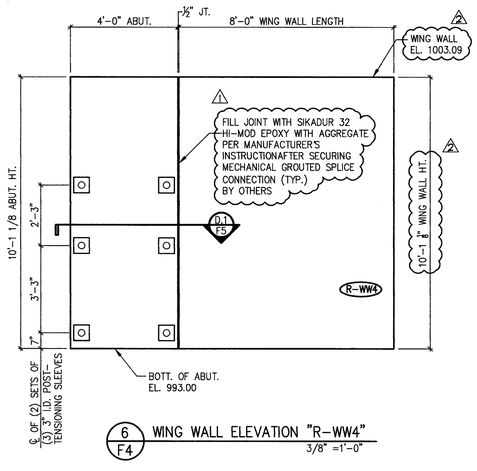
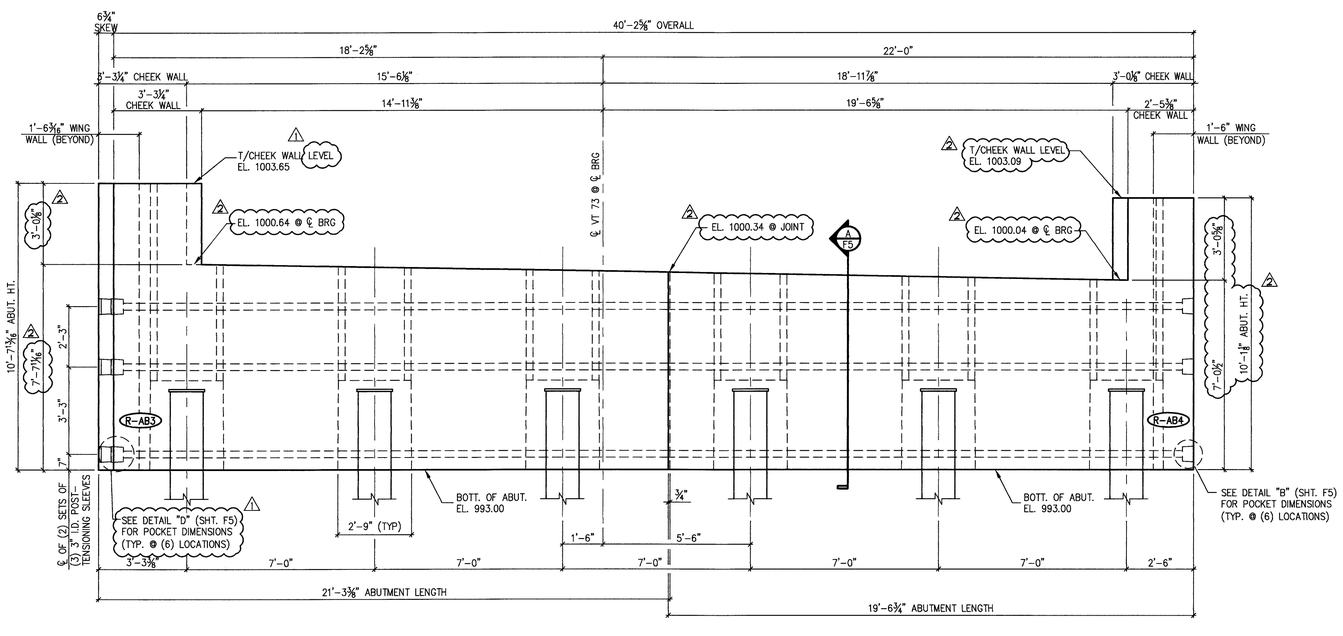
3/8" =1'-0"



6 / F4 WING WALL ELEVATION "R-WW4"
3/8" =1'-0"



5 / F4 ABUTMENT #2 ELEVATION
3/8" =1'-0"

2 5/30/14 REVISED AS NOTED
1 4/11/14 REVISE & RESUBMIT

SUBMITTED
JUN 3 2014
J.P. CARRARA & SONS, INC.
MIDDLEBURY, VT 05753

APPROVAL STAMP:

Eriksson technologies
813.989.3317
TAMPA, FL
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J.P. CARRARA & SONS INC.
Precast & Prestress Manufacturer
2464 CASE STR., MIDDLEBURY, VERMONT 05753 Phone:(802)388-6361 Fax:(802)388-9010

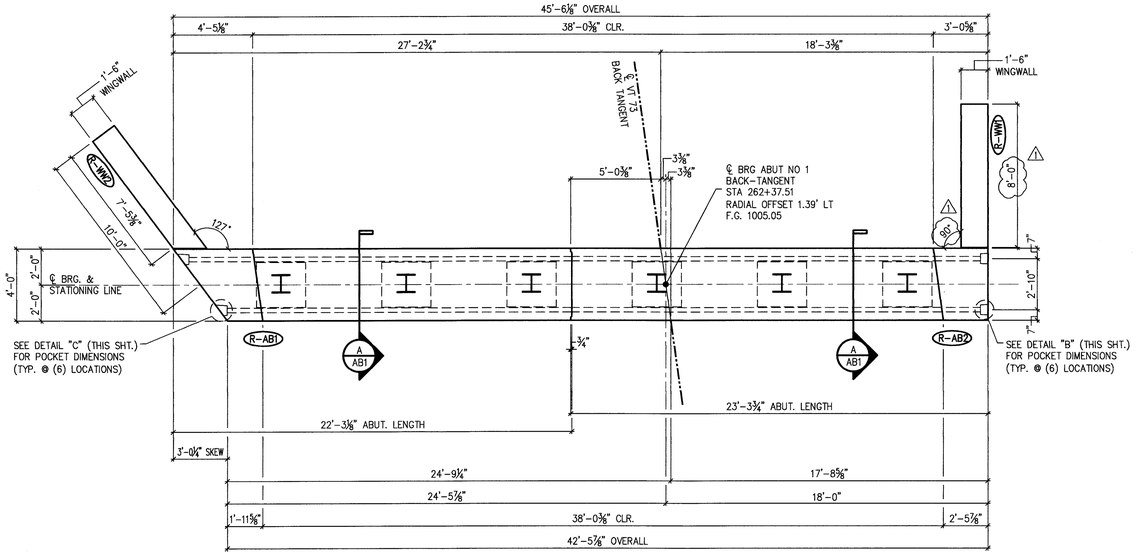
W.M. SCHULTZ CONSTRUCTION, INC.
PO BOX 2620
BALLSTON SPA, NY 12020

STATE OF VERMONT AGENCY OF TRANSPORTATION
COUNTY OF WINDSOR

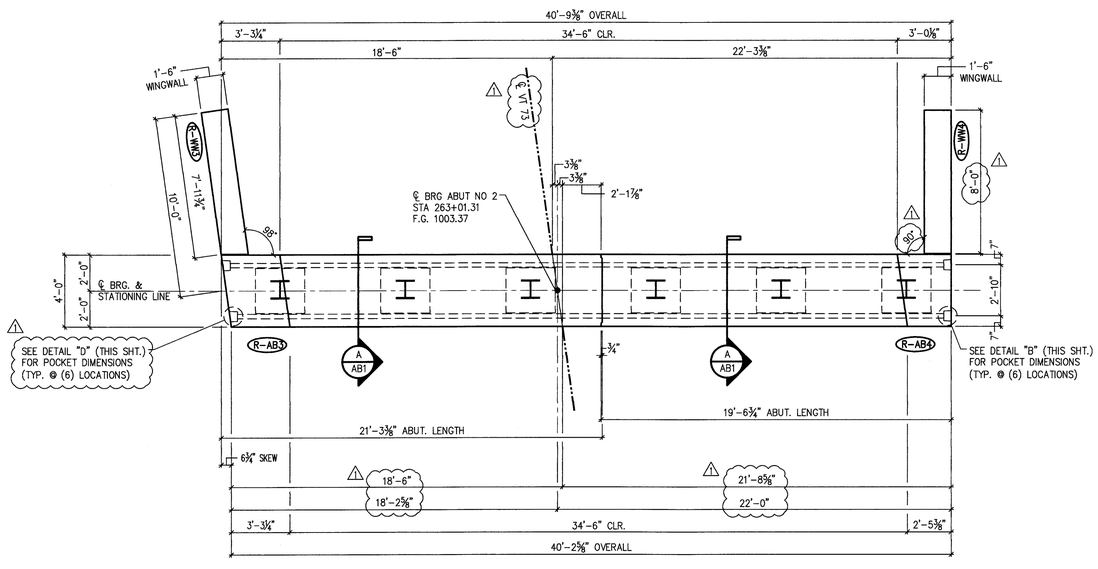
TOWN OF ROCHESTER
VT ROUTE 73 (RURAL MAJOR COLLECTOR)
BRIDGE NO.: 15 PROJECT NO.: BRF 0162(16)

ABUTMENT ELEVATIONS

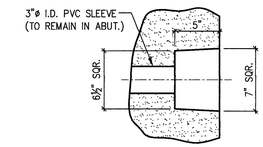
DATE:	MAR. 14, 2014
SCALE:	NOTED
CHKD:	DFTM: AAT/RWS JJJ/KLT
JOB NO:	23419-013
DWG. NO:	F4



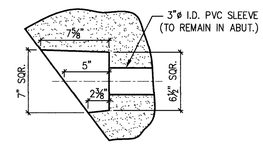
1 / AB1 ABUTMENT ASSEMBLY PLAN
1/4" =1'-0"



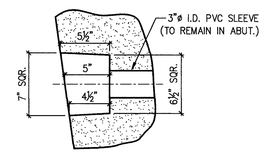
2 / AB1 ABUTMENT ASSEMBLY PLAN
1/4" =1'-0"



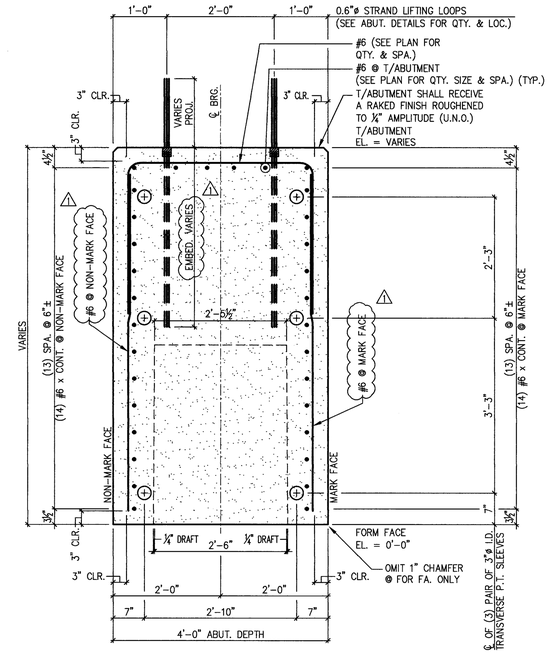
DETAIL – "B"
1 1/2" =1'-0"



DETAIL – "C"
1 1/2" =1'-0"



DETAIL – "D"
1 1/2" =1'-0"



A / AB1 ABUTMENT SECTION
3/4" =1'-0"

SHOP NOTE:
ALL EDGES OF ABUTMENT SHALL
RECEIVE A 1" CHAMFER (U.N.O.)

SUBMITTED
JUN 3 2014
J. P. CARRARA & SONS, INC.
MIDDLEBURY, VT 05753

2 5/30/14 REVISED AS NOTED
1 4/11/14 REVISE & RESUBMIT

APPROVAL STAMP:

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Precast & Prestress Manufacturer
2464 CASE STR., MIDDLEBURY, VERMONT 05753 Phone:(802)388-6361 Fax:(802)388-9010

W.M. SCHULTZ CONSTRUCTION, INC.
PO BOX 2620
BALLSTON SPA, NY 12020

STATE OF VERMONT AGENCY OF TRANSPORTATION
COUNTY OF WINDSOR

TOWN OF ROCHESTER
VT ROUTE 73 (RURAL MAJOR COLLECTOR)
BRIDGE NO.: 15 PROJECT NO.: BRF 0162(16)

PRECAST ABUTMENT
PLAN, SECTION & DETAILS

DATE:	MAR. 14, 2014
SCALE:	NOTED
CHKD:	DFTM: AAT/RWS JJJ/KLT
JOB NO:	23419-013
DWG. NO:	AB1

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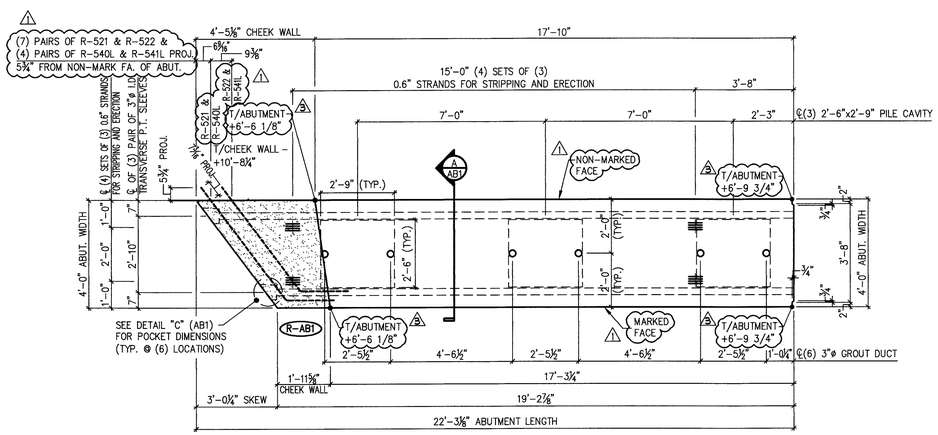
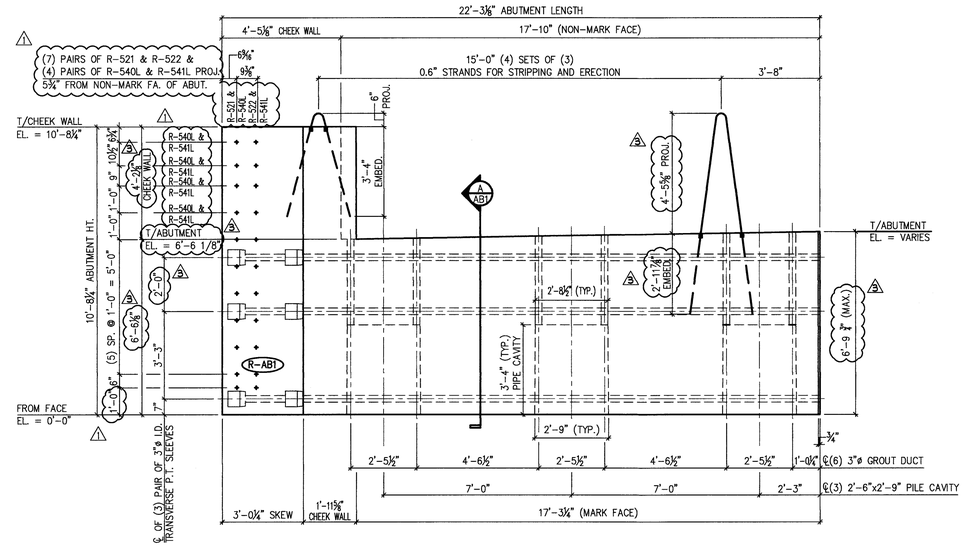


1 AB2 ABUTMENT DIMENSIONAL PLAN VIEW IN FORM
3/8" =1'-0"



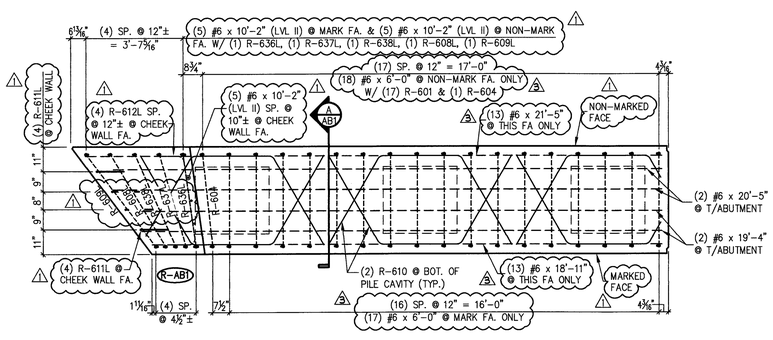
2 AB2 ABUTMENT DIMENSIONAL MARK FACE ELEVATION
3/8" =1'-0"

SUBMITTED
JUN 3 2014
J. P. CARRARA & SONS, INC.
MIDDLEBURY, VT 05753

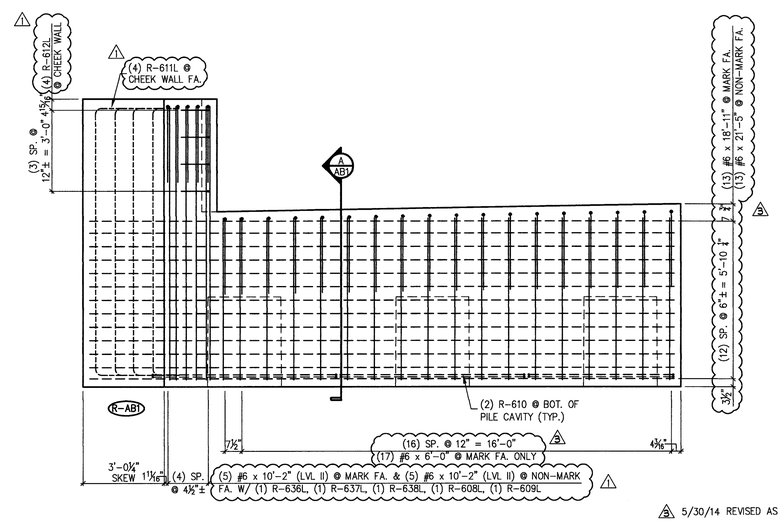
MARK: R-AB1	QTY.: 1	WT.: 42.7 T	VOL.: 23.4 cy

MATERIAL LIST / ABUTMENT

ITEM	MARK	DESCRIPTION	QTY.
1	R-521	#5 BENT BAR (LEVEL I, BLACK REINFORCEMENT)	7
2	R-522	#5 BENT BAR (LEVEL I, BLACK REINFORCEMENT)	7
3	R-540L	#5 BENT BAR (LEVEL II, DUAL COATED)	4
4	R-541L	#5 BENT BAR (LEVEL II, DUAL COATED)	4
5			
6			
7			
8			
9			
10	R-601	#6 BENT BAR (LEVEL I, BLACK REINFORCEMENT)	17
11	R-604	#6 BENT BAR (LEVEL I, BLACK REINFORCEMENT)	1
12	R-608L	#6 BENT BAR (LEVEL II, DUAL COATED)	1
13	R-609L	#6 BENT BAR (LEVEL II, DUAL COATED)	1
14	R-610	#6 BENT BAR (LEVEL I, BLACK REINFORCEMENT)	6
15	R-611L	#6 BENT BAR (LEVEL II, DUAL COATED)	4
16	R-612L	#6 BENT BAR (LEVEL II, DUAL COATED)	4
17	R-636L	#6 BENT BAR (LEVEL II, DUAL COATED)	1
18	R-637L	#6 BENT BAR (LEVEL II, DUAL COATED)	1
19	R-638L	#6 BENT BAR (LEVEL II, DUAL COATED)	1
20			
21		#6 x 6'-0" (LEVEL I, BLACK REINFORCEMENT)	35
22		#6 x 10'-2" (LEVEL II, DUAL COATED)	15
23		#6 x 18'-11" (LEVEL I, BLACK REINFORCEMENT)	13
24		#6 x 19'-4" (LEVEL I, BLACK REINFORCEMENT)	2
25		#6 x 20'-5" (LEVEL I, BLACK REINFORCEMENT)	2
26		#6 x 21'-5" (LEVEL I, BLACK REINFORCEMENT)	13
27			
28		SET OF (4) 0.60"ø x 270 KSI STRAND LIFTING LOOPS	4



3 AB2 ABUTMENT REINFORCING PLAN VIEW IN FORM
3/8" =1'-0"



4 AB2 ABUTMENT REINFORCING MARK FACE ELEV.
3/8" =1'-0"

5/30/14 REVISED AS NOTED
4/30/14 REVISE & RESUBMIT
4/11/14 REVISE & RESUBMIT

APPROVAL STAMP:

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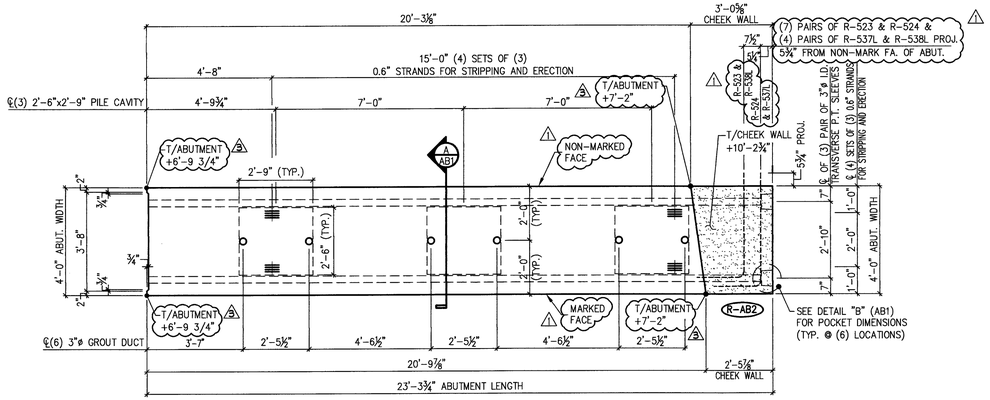
W.M. SCHULTZ CONSTRUCTION, INC.
PO BOX 2620
BALLSTON SPA, NY 12020

STATE OF VERMONT AGENCY OF TRANSPORTATION
COUNTY OF WINDSOR

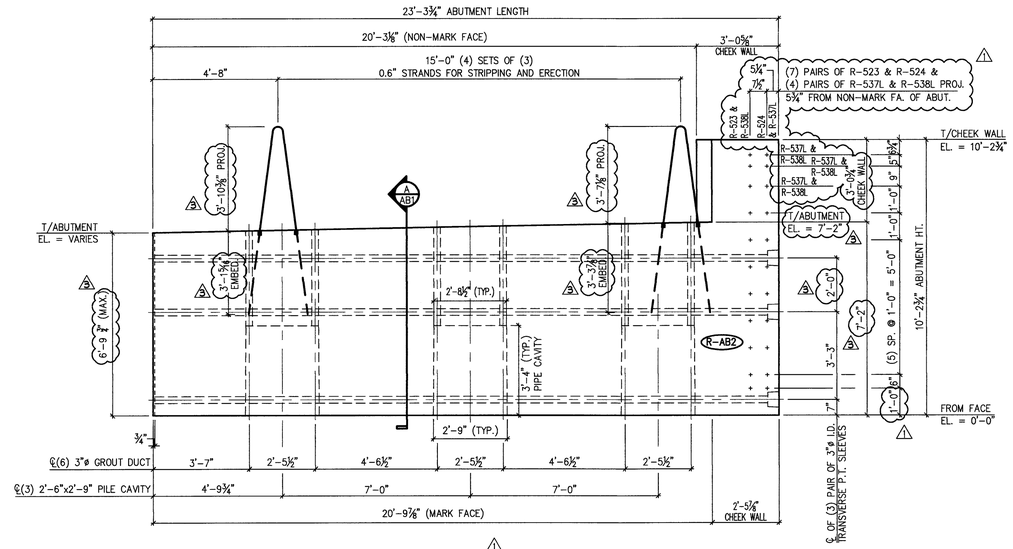
TOWN OF ROCHESTER
VT ROUTE 73 (RURAL MAJOR COLLECTOR)
BRIDGE NO.: 15 PROJECT NO.: BRF 0162(16)

PRECAST ABUTMENT DETAILS

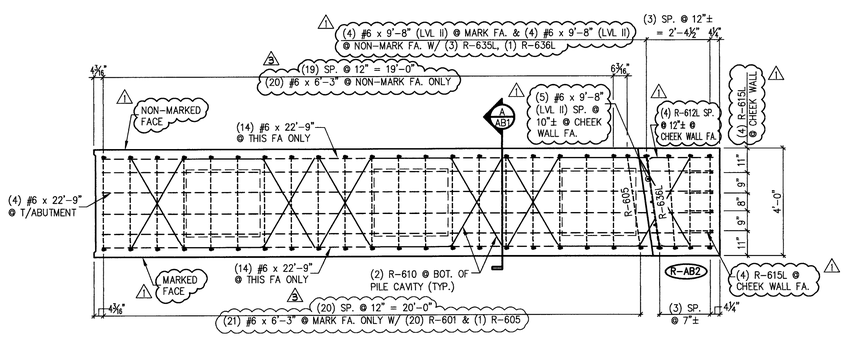
DATE:	MAR. 14, 2014
SCALE:	NOTED
CHKD:	DFTM: AAT/RWS JJ/KLT
JOB NO:	23419-013
DWG. NO:	AB2



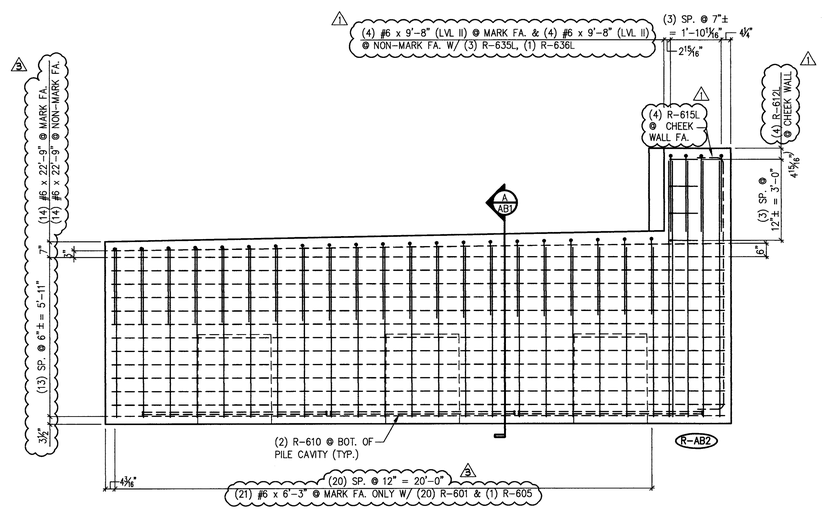
1 AB3 ABUTMENT DIMENSIONAL PLAN VIEW IN FORM
3/8" =1'-0"



2 AB3 ABUTMENT DIMENSIONAL MARK FACE ELEVATION
3/8" =1'-0"



3 AB3 ABUTMENT REINFORCING PLAN VIEW IN FORM
3/8" =1'-0"



4 AB3 ABUTMENT REINFORCING MARK FACE ELEV.
3/8" =1'-0"

SUBMITTED
JUN 3 2014
J.P. CARRARA & SONS, INC.
MIDDLEBURY, VT 05753

MARK: R-AB2	QTY.: 1	WT.: 47.6 T	VOL.: 25.79 cy

MATERIAL LIST / ABUTMENT

ITEM	MARK	DESCRIPTION	QTY.
1	R-523	#5 BENT BAR (LEVEL I, BLACK REINFORCEMENT)	7
2	R-524	#5 BENT BAR (LEVEL I, BLACK REINFORCEMENT)	7
3	R-537L	#5 BENT BAR (LEVEL II, DUAL COATED)	4
4	R-538L	#5 BENT BAR (LEVEL II, DUAL COATED)	4
5			
6	R-601	#6 BENT BAR (LEVEL I, BLACK REINFORCEMENT)	20
7	R-605	#6 BENT BAR (LEVEL I, BLACK REINFORCEMENT)	1
8	R-610	#6 BENT BAR (LEVEL I, BLACK REINFORCEMENT)	6
9	R-612L	#6 BENT BAR (LEVEL II, DUAL COATED)	4
10	R-615L	#6 BENT BAR (LEVEL II, DUAL COATED)	4
11	R-635L	#6 BENT BAR (LEVEL II, DUAL COATED)	3
12	R-636L	#6 BENT BAR (LEVEL II, DUAL COATED)	1
13			
14			
15			
16			
17		#6 x 6'-3" (LEVEL I, BLACK REINFORCEMENT)	42
18		#6 x 9'-8" (LEVEL II, DUAL COATED)	19
19		#6 x 22'-9" (LEVEL I, BLACK REINFORCEMENT)	28
20			
21		SET OF (4) 0.60"ø x 270 KSI STRAND LIFTING LOOPS	4
22			

5 5/30/14 REVISED AS NOTED
2 4/30/14 REVISE & RESUBMIT
1 4/11/14 REVISE & RESUBMIT

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Precast & Prestress Manufacturer
2464 CASE STR., MIDDLEBURY, VERMONT 05753 Phone:(802)388-6361 Fax:(802)388-9010

W.M. SCHULTZ CONSTRUCTION, INC.
PO BOX 2620
BALLSTON SPA, NY 12020

STATE OF VERMONT AGENCY OF TRANSPORTATION
COUNTY OF WINDSOR

TOWN OF ROCHESTER
VT ROUTE 73 (RURAL MAJOR COLLECTOR)
BRIDGE NO.: 15 PROJECT NO.: BRF 0162(16)

PRECAST ABUTMENT DETAILS

DATE: MAR. 14, 2014
SCALE: NOTED
CHKD: DFTM: AAT/RWS JJJ/KLT
JOB NO: 23419-013
DWG. NO: AB3

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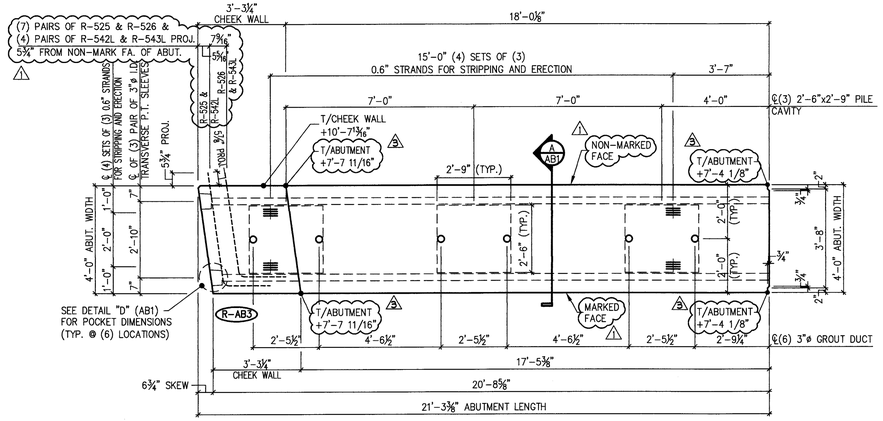
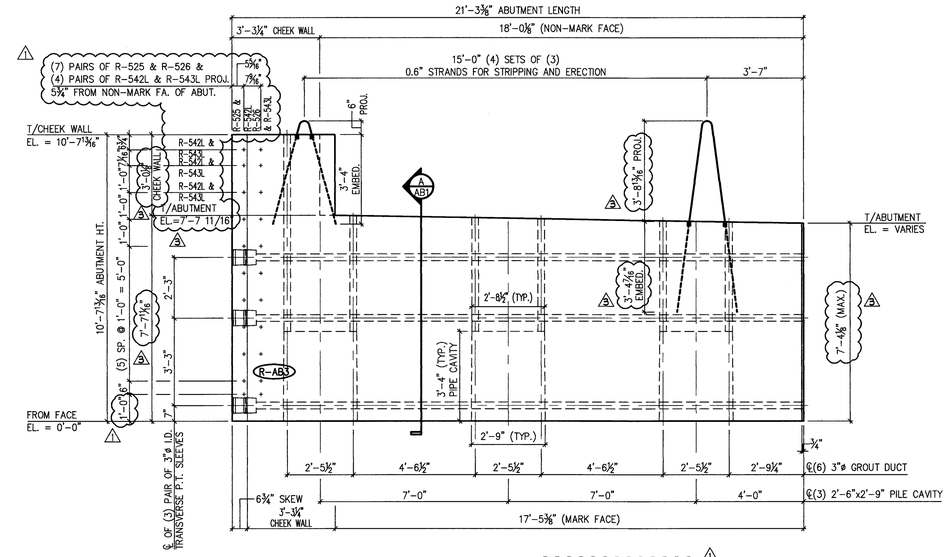
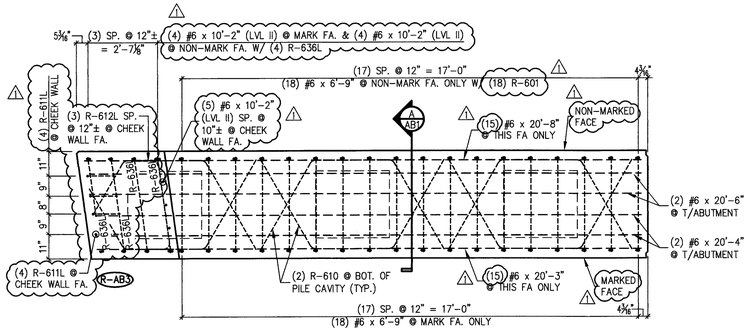


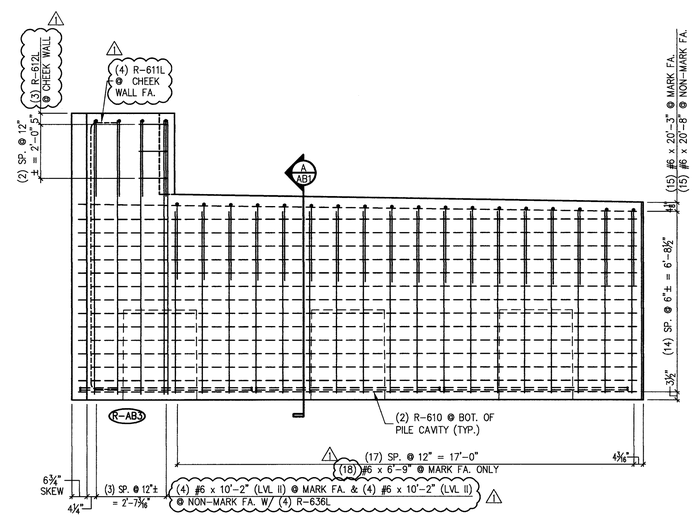
1 AB4 ABUTMENT DIMENSIONAL PLAN VIEW IN FORM
3/8" =1'-0"



2 AB4 ABUTMENT DIMENSIONAL MARK FACE ELEVATION
3/8" =1'-0"



3 AB4 ABUTMENT REINFORCING PLAN VIEW IN FORM
3/8" =1'-0"



4 AB4 ABUTMENT REINFORCING MARK FACE ELEV.
3/8" =1'-0"

SUBMITTED
JUN 3 2014
J. P. CARRARA & SONS, INC.
MIDDLEBURY, VT 05753

MARK: R-AB3	QTY.: 1	WT.: 45.4 T	VOL.: 24.74 cy

MATERIAL LIST / ABUTMENT

ITEM	MARK	DESCRIPTION	QTY.
1	R-525	#5 BENT BAR (LEVEL I, BLACK REINFORCEMENT)	7
2	R-526	#5 BENT BAR (LEVEL I, BLACK REINFORCEMENT)	7
3	R-542L	#5 BENT BAR (LEVEL II, DUAL COATED)	4
4	R-543L	#5 BENT BAR (LEVEL II, DUAL COATED)	4
5			
6			
7	R-601	#6 BENT BAR (LEVEL I, BLACK REINFORCEMENT)	18
8	R-610	#6 BENT BAR (LEVEL I, BLACK REINFORCEMENT)	6
9	R-611L	#6 BENT BAR (LEVEL II, DUAL COATED)	4
10	R-612L	#6 BENT BAR (LEVEL II, DUAL COATED)	3
11	R-636L	#6 BENT BAR (LEVEL II, DUAL COATED)	4
12			
13			
14			
15		#6 x 6'-9" (LEVEL I, BLACK REINFORCEMENT)	36
16		#6 x 10'-2" (LEVEL II, DUAL COATED)	13
17		#6 x 20'-3" (LEVEL I, BLACK REINFORCEMENT)	15
18		#6 x 20'-4" (LEVEL I, BLACK REINFORCEMENT)	2
19		#6 x 20'-6" (LEVEL I, BLACK REINFORCEMENT)	2
20		#6 x 20'-8" (LEVEL I, BLACK REINFORCEMENT)	15
		SET OF (4) 0.60"ø x 270 KSI STRAND LIFTING LOOPS	4

5 5/30/14 REVISED AS NOTED
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3 4/11/14 REVISE & RESUBMIT

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JOB NO: 23419-013
DWG. NO: AB4

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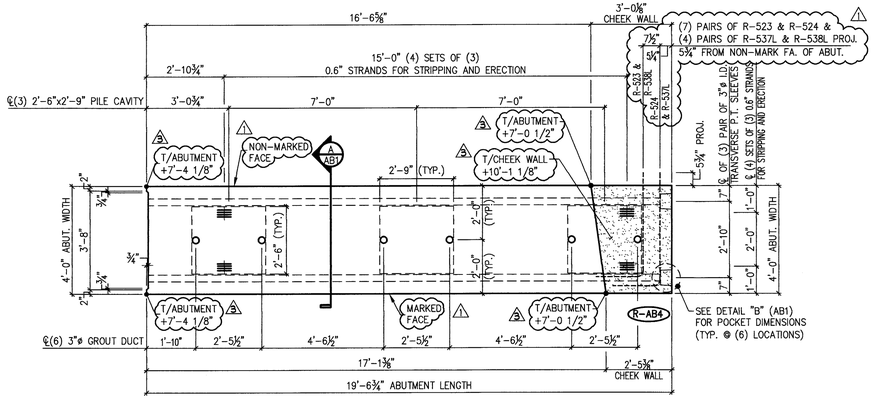
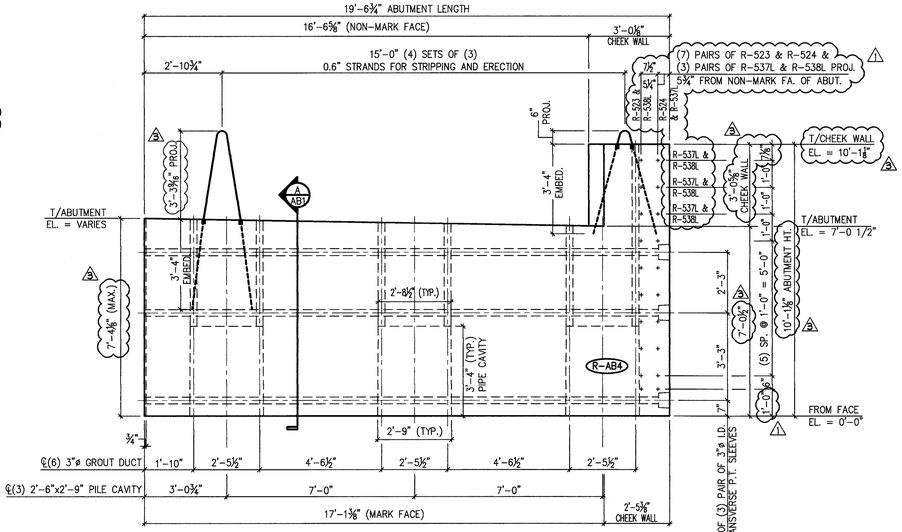
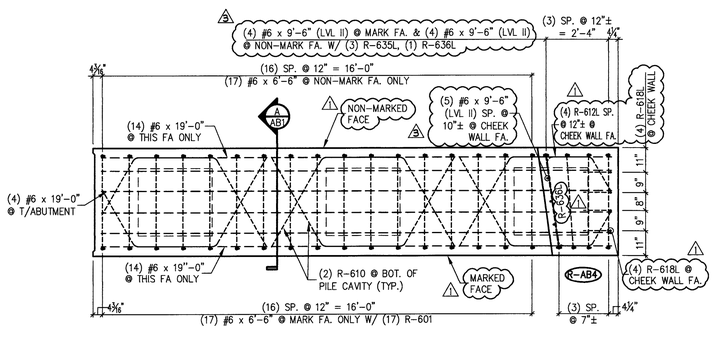


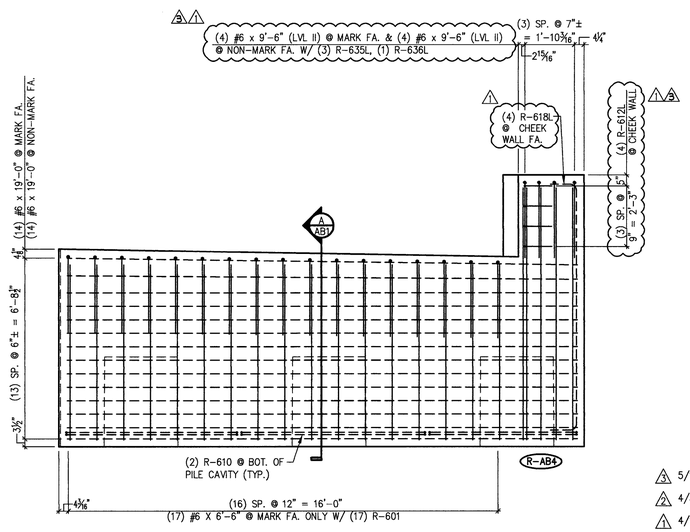
1 AB5 ABUTMENT DIMENSIONAL PLAN VIEW IN FORM
3/8" =1'-0"



2 AB5 ABUTMENT DIMENSIONAL MARK FACE ELEVATION
3/8" =1'-0"



3 AB5 ABUTMENT REINFORCING PLAN VIEW IN FORM
3/8" =1'-0"



4 AB5 ABUTMENT REINFORCING MARK FACE ELEV.
3/8" =1'-0"

SUBMITTED
JUN 3 2014
J. P. CARRARA & SONS, INC.
MIDDLEBURY, VT 05753

MARK: R-AB4	QTY.: 1	WT.: 40.6 T	VOL.: 22.34 cy

MATERIAL LIST / ABUTMENT

ITEM	MARK	DESCRIPTION	QTY.
1	R-523	#5 BENT BAR (LEVEL I, BLACK REINFORCEMENT)	1 7
2	R-524	#5 BENT BAR (LEVEL I, BLACK REINFORCEMENT)	7
3	R-537L	#5 BENT BAR (LEVEL II, DUAL COATED)	3 1
4	R-538L	#5 BENT BAR (LEVEL II, DUAL COATED)	3 3
5			
6			
7	R-601	#6 BENT BAR (LEVEL I, BLACK REINFORCEMENT)	17 1
8	R-610	#6 BENT BAR (LEVEL I, BLACK REINFORCEMENT)	6
9	R-612L	#6 BENT BAR (LEVEL II, DUAL COATED)	4
10	R-618L	#6 BENT BAR (LEVEL II, DUAL COATED)	4
11	R-635L	#6 BENT BAR (LEVEL II, DUAL COATED)	3 3 1
12	R-636L	#6 BENT BAR (LEVEL II, DUAL COATED)	1
13			
14			
15		#6 x 6'-6" (LEVEL I, BLACK REINFORCEMENT)	34
16	3 1	#6 x 9'-6" (LEVEL II, DUAL COATED)	13
17		#6 x 19'-0" (LEVEL I, BLACK REINFORCEMENT)	32
18			
19		SET OF (4) 0.60"ø x 270 KSI STRAND LIFTING LOOPS	4
20			

3 5/13/14 FURNISH AS CORRECTED
2 4/30/14 REVISE & RESUBMIT 1
1 4/11/14 REVISE & RESUBMIT

APPROVAL STAMP:

J.P. CARRARA & SONS INC.
Precast & Prestress Manufacturer
2464 CASE STR., MIDDLEBURY, VERMONT 05753 Phone:(802)388-6361 Fax:(802)388-9010

W.M. SCHULTZ CONSTRUCTION, INC.
PO BOX 2620
BALLSTON SPA, NY 12020

STATE OF VERMONT AGENCY OF TRANSPORTATION
COUNTY OF WINDSOR

TOWN OF ROCHESTER
VT ROUTE 73 (RURAL MAJOR COLLECTOR)
BRIDGE NO.: 15 PROJECT NO.: BRF 0162(16)

PRECAST ABUTMENT DETAILS

DATE: MAR. 14, 2014
SCALE: NOTED
CHKD: DFTM: AAT/RWS JJ/KLT
JOB NO: 23419-013
DWG. NO: AB5

Eriksson technologies
813.989.3317
TAMPA, FL
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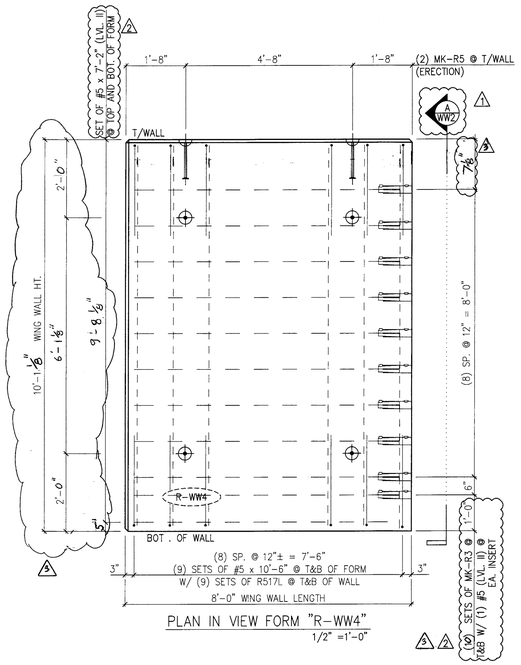
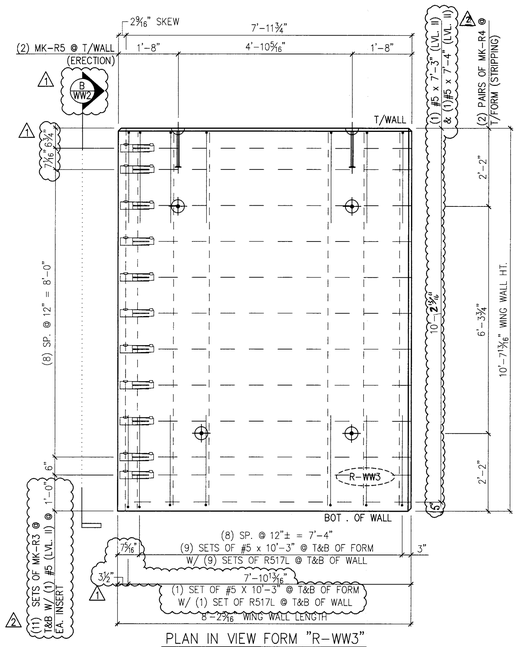
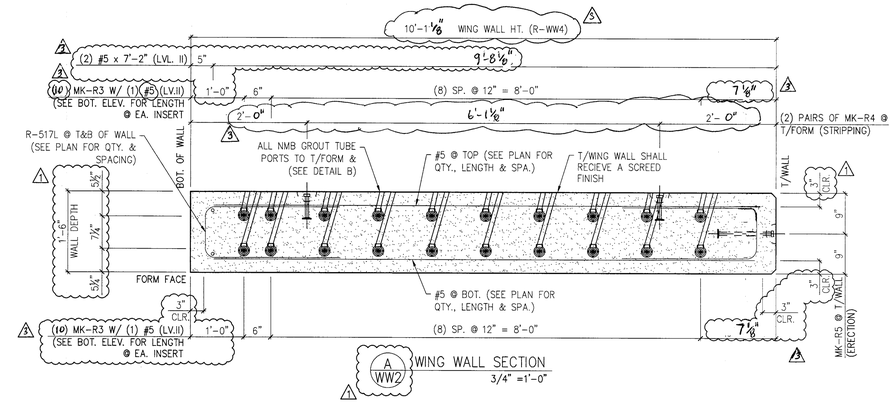


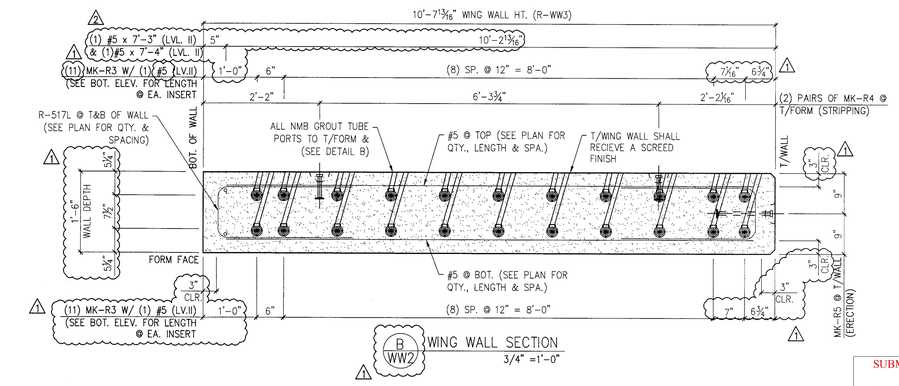
PLAN IN VIEW FORM "R-WW4"
1/2" =1'-0"



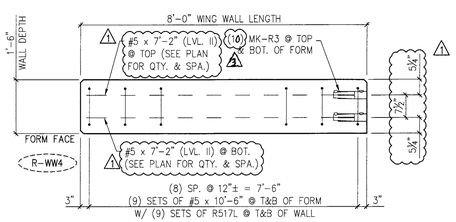
PLAN IN VIEW FORM "R-WW3"
1/2" =1'-0"



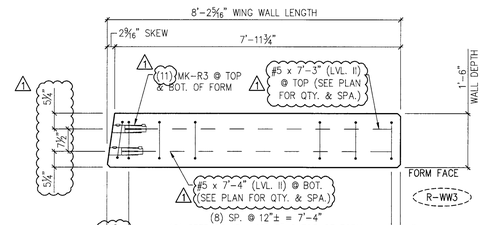
A WW2 WING WALL SECTION
3/4" =1'-0"



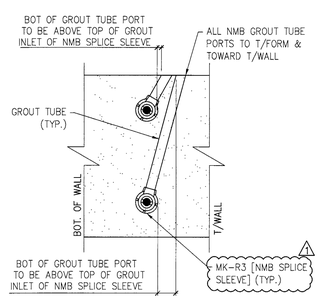
B WW2 WING WALL SECTION
3/4" =1'-0"



WING WALL BOTTOM ELEVATION "R-WW4"
1/2" =1'-0"



WING WALL BOTTOM ELEVATION "R-WW3"
1/2" =1'-0"



DETAIL - "B"
1-1/2" =1'-0"

SUBMITTED
JUN 3 2014
J. P. CARRARA & SONS, INC.
MIDDLEBURY, VT 05753

MARK:	R-WW4	QTY.: 1	WT.: 9.9 T	VOL.: 4.84 cy
MARK:	R-WW3	QTY.: 1	WT.: 9.7 T	VOL.: 4.78 cy

MATERIAL LIST / WING WALL

ITEM	MARK	DESCRIPTION	QTY./WING WALL R-WW4	QTY./WING WALL R-WW3
1	R-517L	#5 BENT BAR (LEVEL II, DUAL COATED)	18	20
2				1
3		#5 x 10'-3" (LEVEL II, DUAL COATED)	0	20
4		#5 x 10'-6" (LEVEL II, DUAL COATED)	18	0
5				
6			3	
7	1	#5 x 7'-2" (LEVEL II, DUAL COATED)	22	0
8		#5 x 7'-3" (LEVEL II, DUAL COATED)	0	12
9		#5 x 7'-4" (LEVEL II, DUAL COATED)	0	12
10				
11				
12	MK-R3	NMB SPLICE SLEEVE #5 U-X(PG) (EPOXY COATED)	20 3	22
13	MK-R4	4T x 9 1/2" SWIFT LIFT LIFTER	4	4
14	MK-R5	20T x 19 3/4" SWIFT LIFT LIFTER	2	2

3 5/30/14 REVISE & RESUBMIT
2 4/30/14 REVISE & RESUBMIT
1 4/11/14 REVISE & RESUBMIT

APPROVAL STAMP:

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PRECAST WING WALL DETAILS

DATE: MAR. 14, 2014
SCALE: NOTED
CHKD: DFTM: AAT/RWS JJJ/KLT
JOB NO: 23419-013
DWG. NO: WW2

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