# JOSEPH P. CARRARA & SONS, INC.

2464 CASE STREET
MIDDLEBURY, VERMONT 05753

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

# LETTER OF TRANSMITTAL

| DATE: | JOB NO.: |
|---|---|
| January 31, 2014 | 23411-013 |

ATTENTION: Mr. Brian Emmons
*bemmons@tbuckcon.net*

RE: Sand Hill Bridge No. 13
VT 125 over Middlebury River
Middlebury, VT
Project No. RS 0174 (8)

| Transmittal #12 | Precast Concrete |
|---|---|

TO: **T. Buck Construction**
**249 Merrow Road**
**Auburn, Maine 04210**

**207-783-6223 x205**

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 | 1/31/14 | 2 | **J. P. Carrara & Sons' Precast Framing and Individual Piece Detail Drawings for Footings,** |
| | | | **Abutments, & Wingwalls:** |
| | | | **"For Approval" Framing Drawings: F2 & F2.1** |
| | | | **"For Approval" Piece Detail Drawings: WW3.1, WW4.1, & WWM1** |
| | | | |
| | | | |
| | | | |
| | | | |

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 **Brian,**

**In the process of their review, VHB asked that we update the attached drawings to reflect markups on the resubmittal drawings. The changes include the elevation of the weep holes in the wing walls and the quantity of projecting bars from WW3 and WW4.**

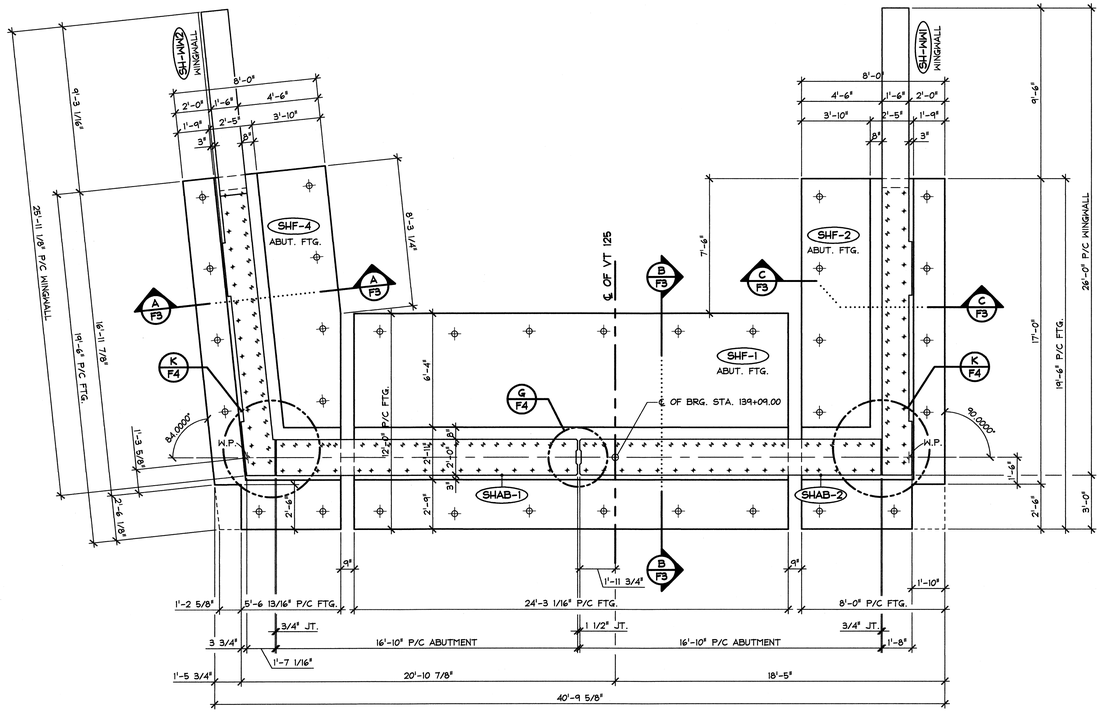
**JPC kindly requests that the attached drawings are transmitted to VHB ASAP in order to facilitate the completion of their review of the precast substructure drawing package.**

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

COPY TO:

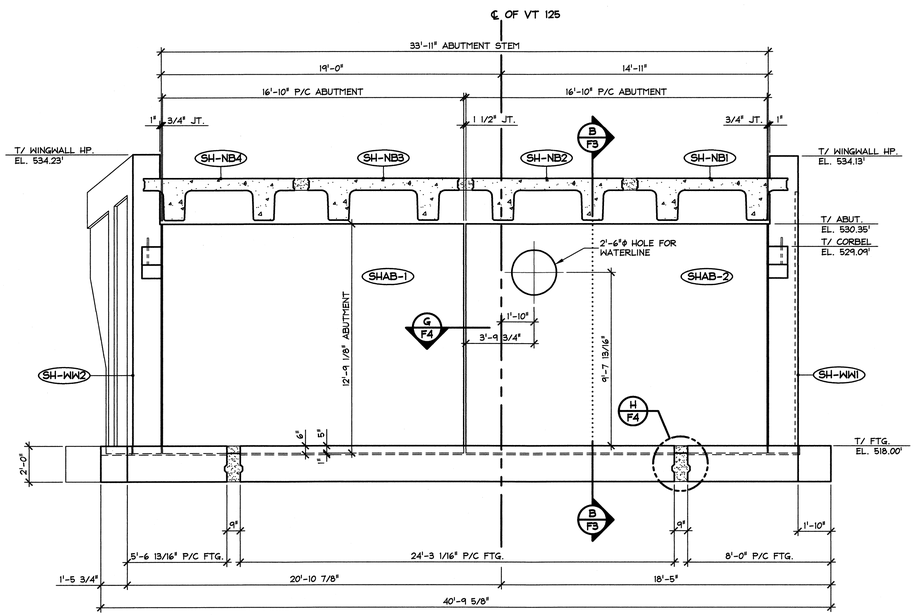
SIGNED: Michael Weigand

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



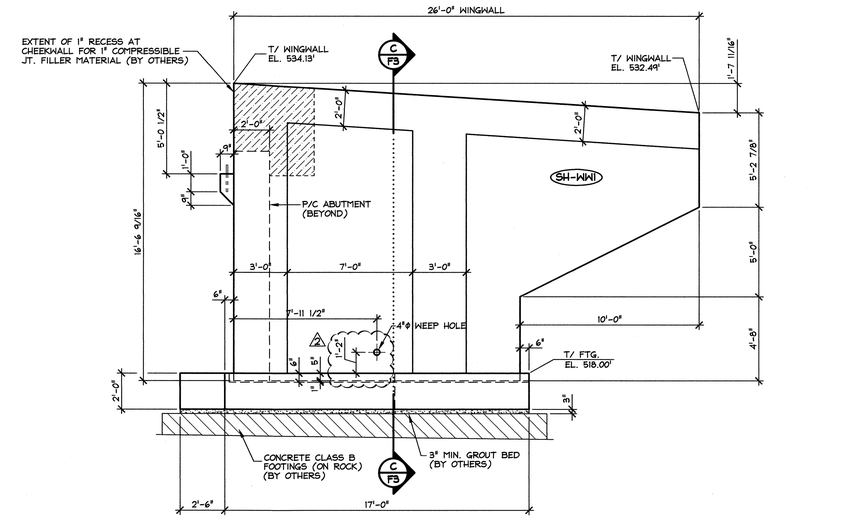

1 / F2 PLAN VIEW - ABUMENT-1

1/4" = 1'-0"



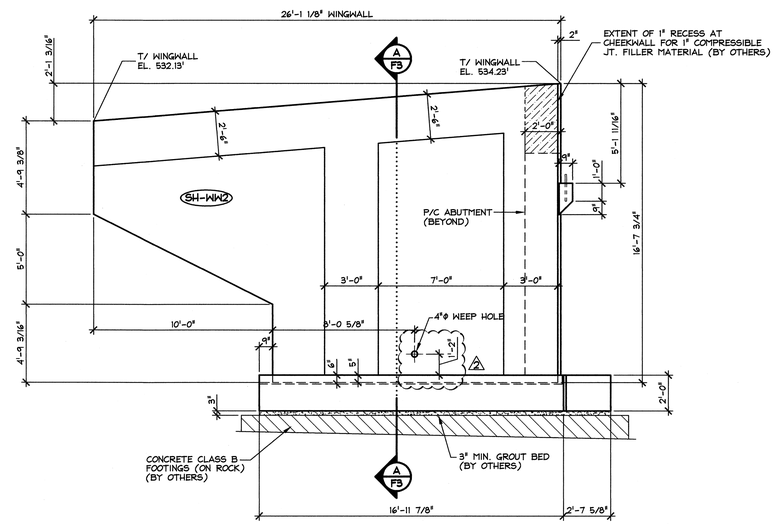

2 / F2 SOUTH ELEVATION - ABUMENT-1

1/4" = 1'-0"




3 / F2 EAST ELEVATION - WINGWALL-1

1/4" = 1'-0"




4 / F2 WEST ELEVATION - WINGWALL-2

1/4" = 1'-0"

SUBMITTED
JAN 31 2014
J. P. CARRARA & SONS, INC.
MIDDLEBURY, VT 05753

2 1-31-14 REVISED AS NOTED B.L.
1 1-27-14 GENERAL REVISION T.D.

APPROVAL STAMP:

J.P. CARRARA & SONS INC.
Precast & Prestress Manufacturer
2484 CASE STR., MIDDLEBURY, VERMONT 05753 Phone:(802)388-6361 Fax:(802)388-9010

T. BUCK CONSTRUCTION
CONTRACTOR
AUBURN, MAINE

STATE OF VERMONT AGENCY OF TRANSPORTATION
COUNTY OF ADDISON

DATE: OCT. 9, 2013
SCALE: NOTED
CHKD: DFTM: T.D.
JOB NO: 23411-013

TOWN OF MIDDLEBURY
ROUTE NO. VT 125, EAST MIDDLEBURY GORGE
BRIDGE NO.: 13 PROJECT NO.: RS 0174(8)

# ABUTMENT 1 LAYOUT & DETAILS

DWG. NO: F2

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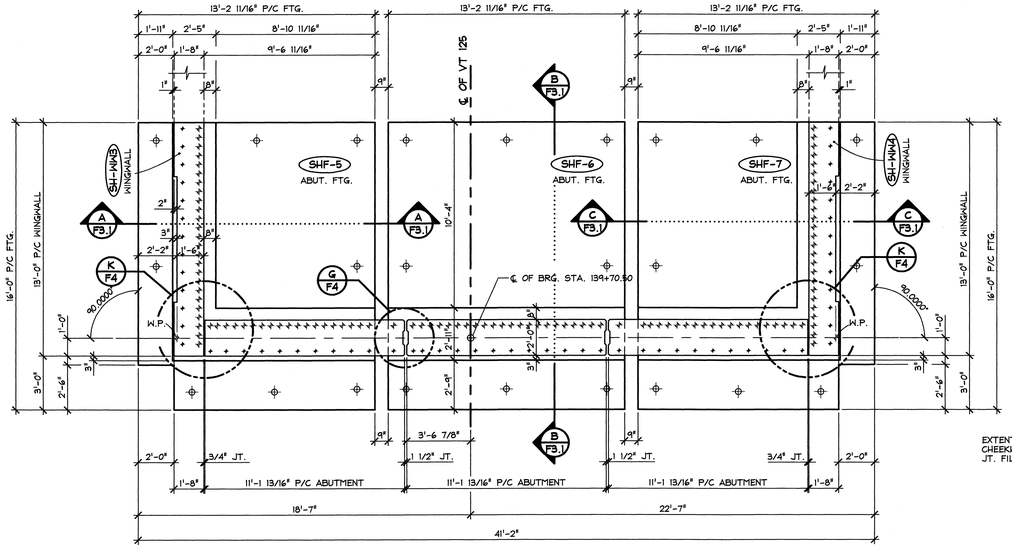
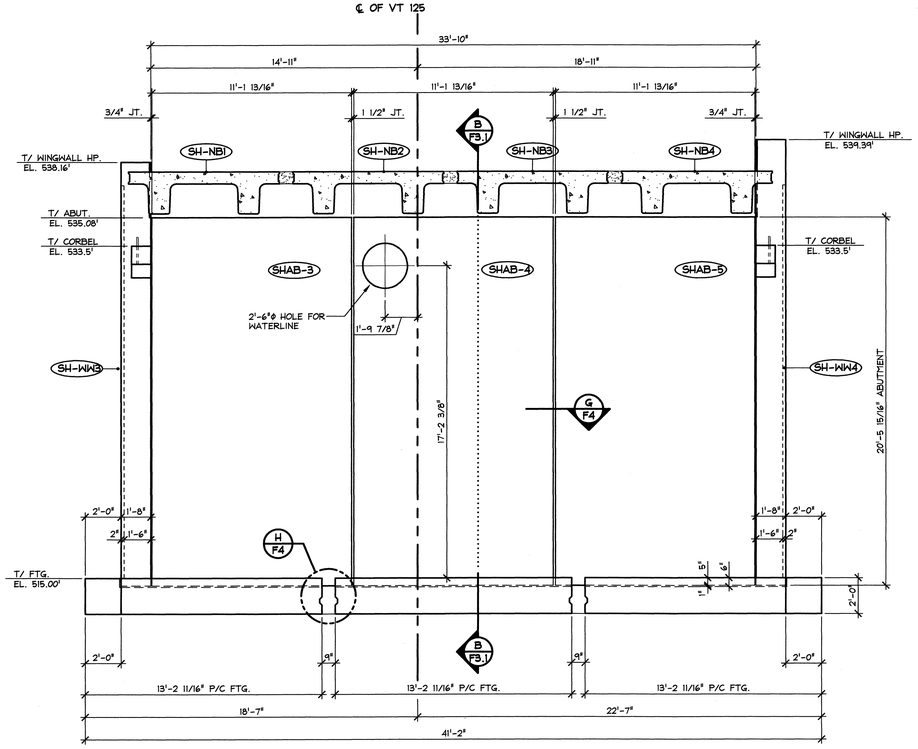
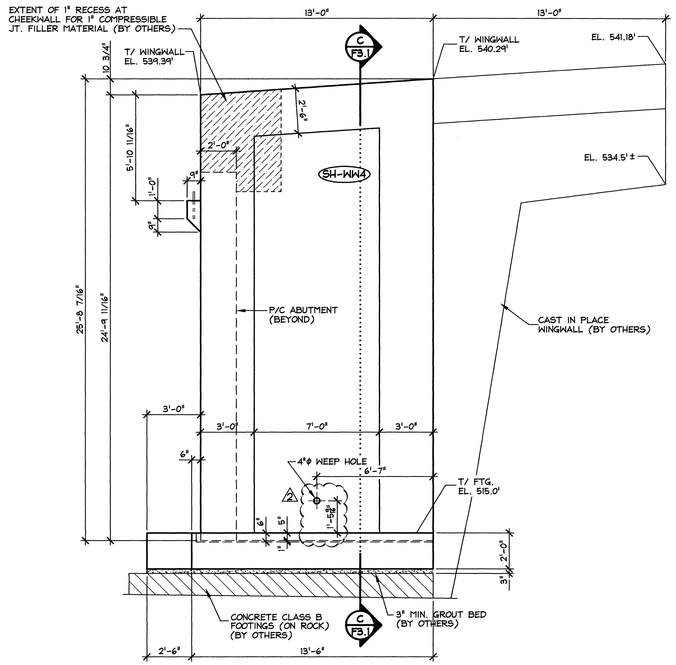


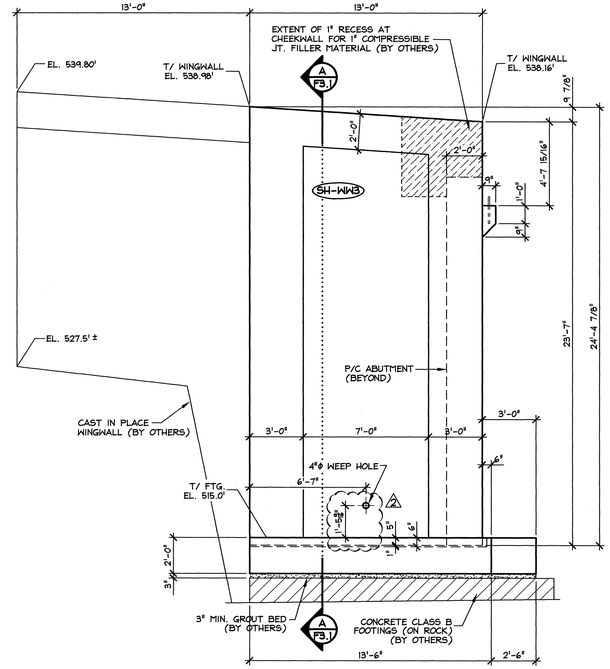

1 F2.1 PLAN VIEW - ABUMENT-2
1/4" = 1'-0"




2 F2.1 NORTH ELEVATION - ABUMENT-2
1/4" = 1'-0"




3 F2.1 WEST ELEVATION WINGWALL - 4
1/4" = 1'-0"




4 F2.1 EAST ELEVATION WINGWALL - 3
1/4" = 1'-0"

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COUNTY OF ADDISON

TOWN OF MIDDLEBURY
ROUTE NO. VT 125, EAST MIDDLEBURY GORGE
BRIDGE NO.: 13 PROJECT NO.: RS 0174(8)

ABUTMENT 2 LAYOUT & DETAILS

DATE: OCT. 9, 2013
SCALE: NOTED
CHKD: DFTM: T.D.
JOB NO: 23411-013
DWG. NO: F2.1

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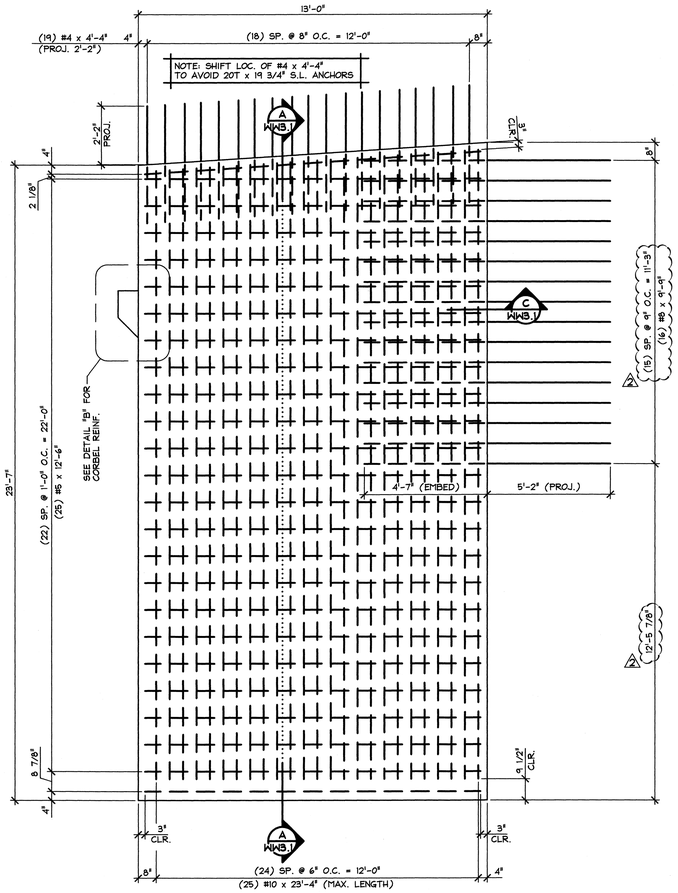
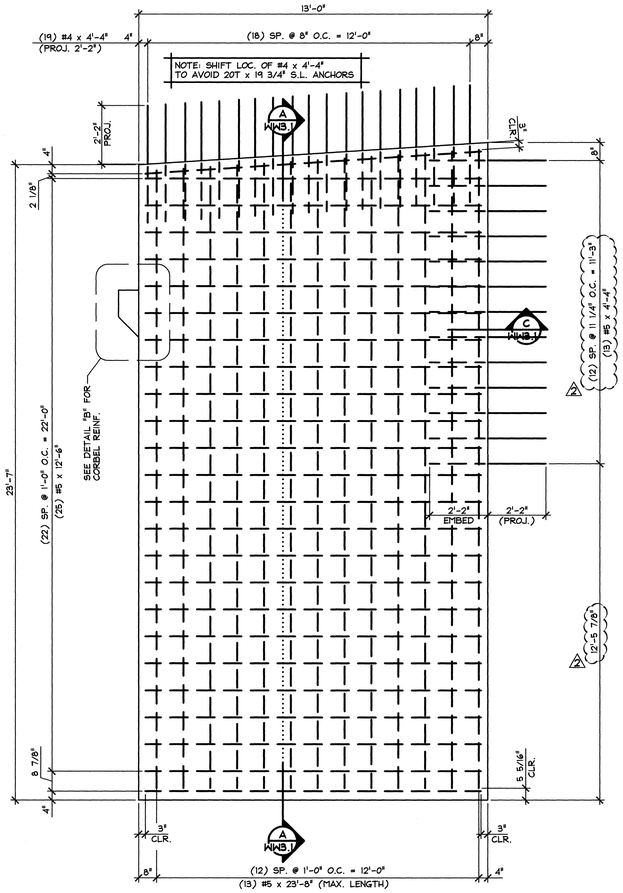


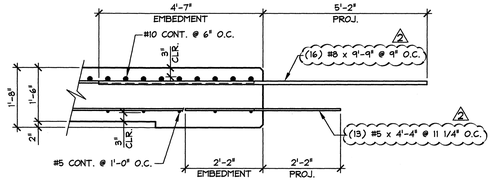

1 REINFORCING PLAN VIEW IN FORM (TOP MAT)

3/8" = 1'-0"



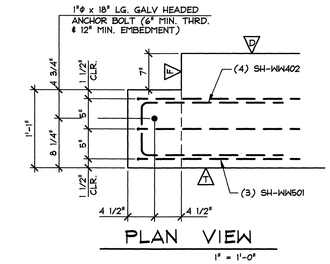

2 REINFORCING PLAN VIEW IN FORM (BOT. MAT)

3/8" = 1'-0"



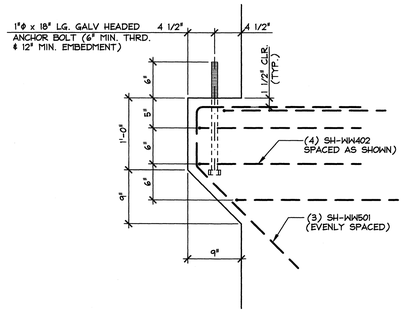

C EDGE REINFORCING SECTION C-C

1/2" = 1'-0"



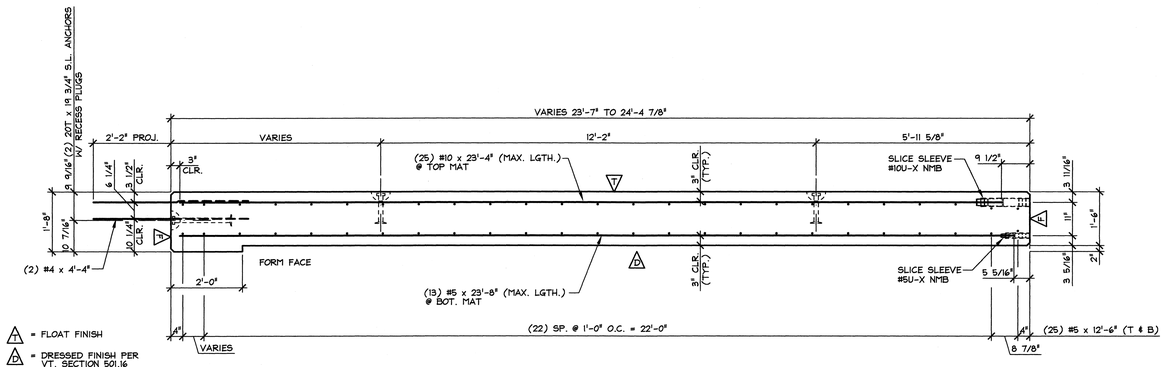

PLAN VIEW

1" = 1'-0"




B CORBEL REINF. DETAIL

1" = 1'-0"




A = FLOAT FINISH
B = DRESSED FINISH PER VT. SECTION 501.16
C = FORM FINISH

A DIMENSIONAL REINFORCING SECTION A-A

1/2" = 1'-0"

SUBMITTED
JAN 31 2014
J.P. CARRARA & SONS, INC.
MIDDLEBURY, VT 05753

| MARK: SH-WW3 | QTY.: 1 | WT.: 37.07 T | VOL.: 18.31 cy |
|---|---|---|---|

MATERIAL LIST / WINGWALL

| ITEM | MARK | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | | #4 x 4'-4" (LEVEL II, DUAL-COATED) | (51) |
| 2 | | #5 x 12'-6" (LEVEL II, DUAL-COATED) | 50 |
| 3 | | #5 x 23'-8" (LEVEL II, DUAL-COATED) | 13 |
| 4 | | | |
| 5 | | | |
| 6 | | #8 x 9'-9" (LEVEL II, DUAL-COATED) | (16) |
| 7 | | #10 x 23'-4" (LEVEL II, DUAL-COATED) | 25 |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| 11 | | | |
| 12 | WW402 | #4 BENT BAR (LEVEL II, DUAL-COATED) | 4 |
| 13 | WW501 | #5 BENT BAR (LEVEL II, DUAL-COATED) | 3 |
| 14 | | | |
| 15 | | 1"ø x 18" LG. GALV HEADED ANCHOR BOLT | 1 |

| | | |
|---|---|---|
| 2 | 1-31-14 | REVISED AS NOTED B.L. |
| 1 | 1-27-14 | GENERAL REVISION T.D. |

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T. BUCK CONSTRUCTION
CONTRACTOR
AUBURN, MAINE

STATE OF VERMONT AGENCY OF TRANSPORTATION
COUNTY OF ADDISON

DATE: OCT. 9, 2013
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TOWN OF MIDDLEBURY
ROUTE NO. VT 125, EAST MIDDLEBURY GORGE
BRIDGE NO.: 13 PROJECT NO.: RS 0174(8)

P/C WINGWALL REINF. DETAILS

DWG. NO: WW3.1

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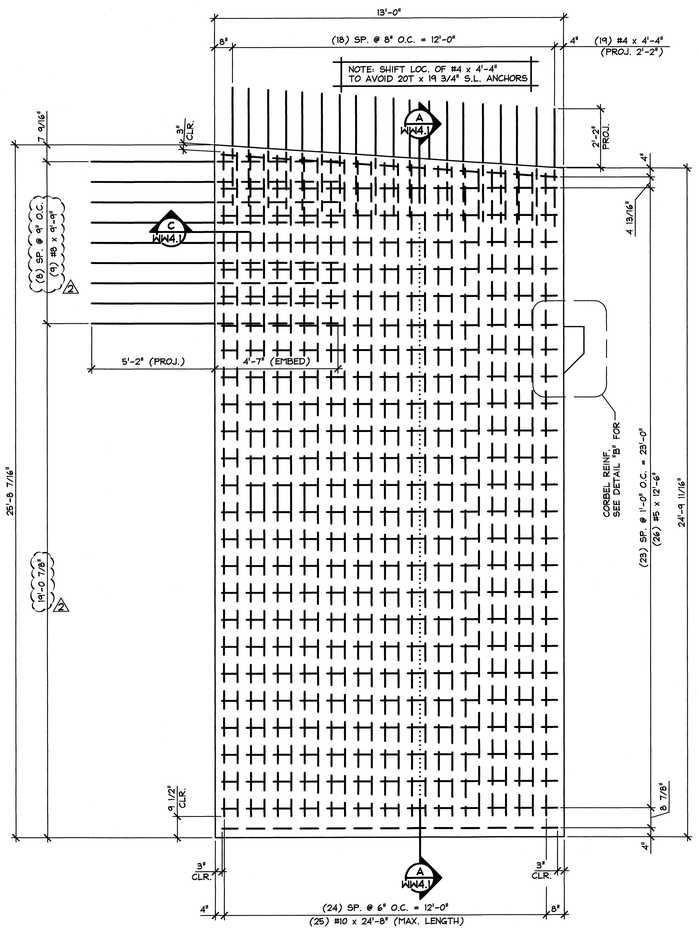
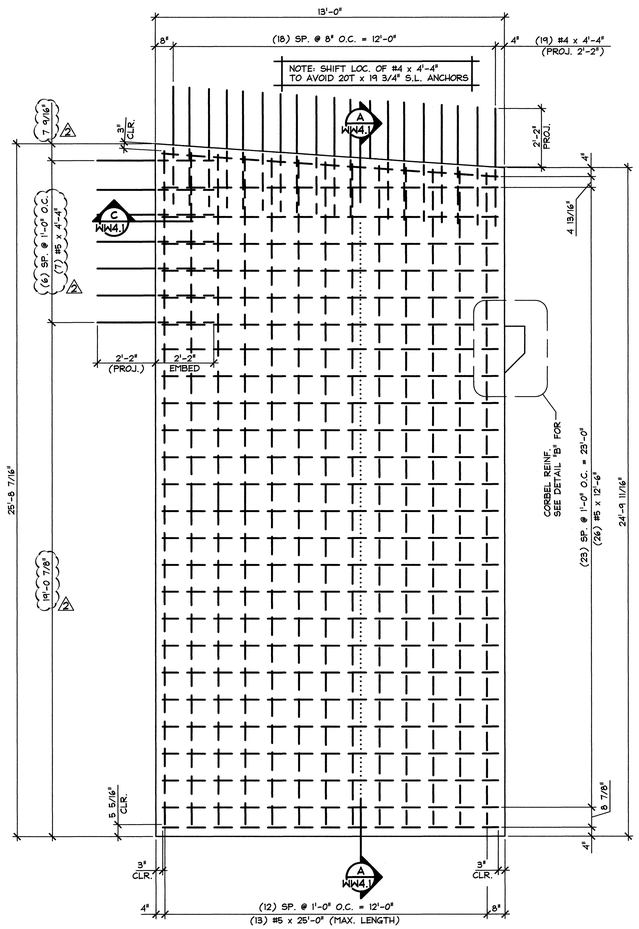
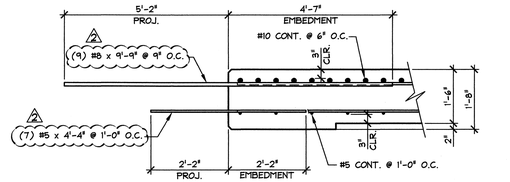


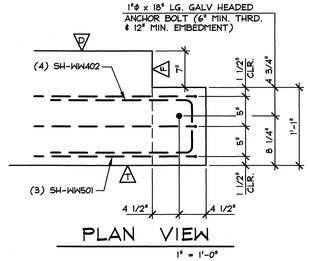

1 REINFORCING PLAN VIEW IN FORM (TOP MAT)
3/8" = 1'-0"



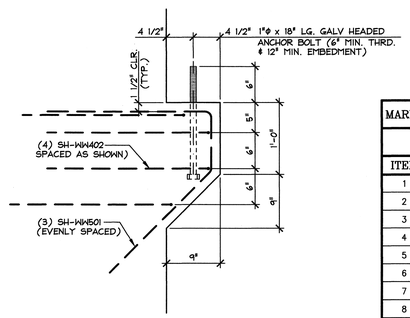

2 REINFORCING PLAN VIEW IN FORM (BOT. MAT)
3/8" = 1'-0"



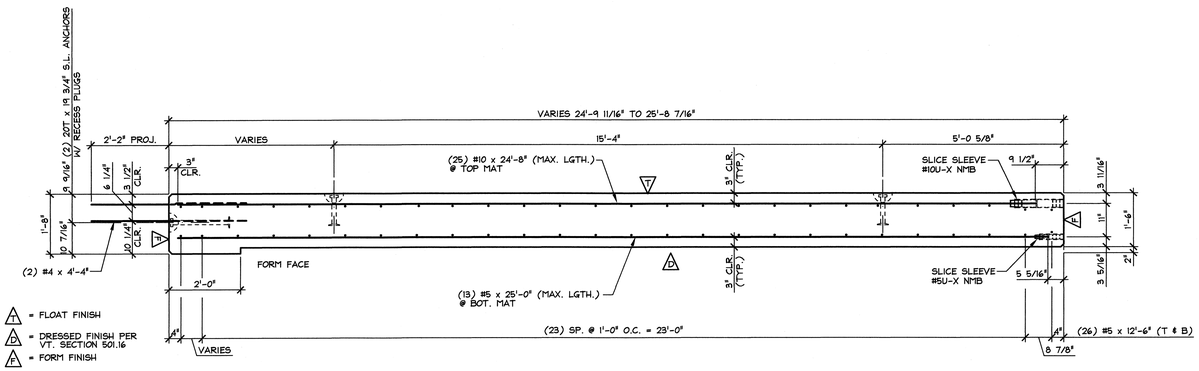

C EDGE REINFORCING SECTION C-C
1/2" = 1'-0"




PLAN VIEW
1" = 1'-0"




B CORBEL REINF. DETAIL
1" = 1'-0"




1 = FLOAT FINISH
2 = DRESSED FINISH PER VT. SECTION 501.16
3 = FORM FINISH

A DIMENSIONAL REINFORCING SECTION A-A
1/2" = 1'-0"

| MARK: SH-WW4 | QTY.: 1 | WT.: 39.05 T | VOL.: 19.28 cy |
|---|---|---|---|

MATERIAL LIST / WINGWALL

| ITEM | MARK | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | | #4 x 4'-4" (LEVEL II, DUAL-COATED) | 45 |
| 2 | | #5 x 12'-6" (LEVEL II, DUAL-COATED) | 52 |
| 3 | | #5 x 25'-0" (LEVEL II, DUAL-COATED) | 13 |
| 4 | | | |
| 5 | | | |
| 6 | | #8 x 9'-9" (LEVEL II, DUAL-COATED) | 9 |
| 7 | | #10 x 24'-8" (LEVEL II, DUAL-COATED) | 25 |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| 11 | | | |
| 12 | WW402 | #4 BENT BAR (LEVEL II, DUAL-COATED) | 4 |
| 13 | WW501 | #5 BENT BAR (LEVEL II, DUAL-COATED) | 3 |
| 14 | | | |
| 15 | | 1"ϕ x 18" LG. GALV HEADED ANCHOR BOLT | 1 |

SUBMITTED
JAN 31 2014
J. P. CARRARA & SONS, INC.
MIDDLEBURY, VT 05753

2 1-31-14 REVISED AS NOTED B.L.
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T. BUCK CONSTRUCTION
CONTRACTOR
AUBURN, MAINE

STATE OF VERMONT AGENCY OF TRANSPORTATION
COUNTY OF ADDISON

DATE: OCT. 9, 2013
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CHKD: DFTM: T.D.
JOB NO: 23411-013

TOWN OF MIDDLEBURY
ROUTE NO. VT 125, EAST MIDDLEBURY GORGE
BRIDGE NO.: 13 PROJECT NO.: RS 0174(8)

P/C WINGWALL REINF. DETAILS

DWG. NO: WW4.1

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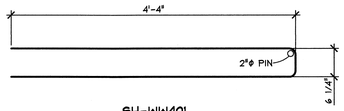
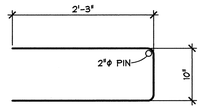
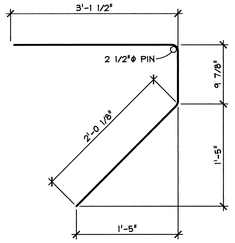



**SH-WW401**
#4 BENT BAR
LEVEL II, DUAL COATED
(16) REQ'D.




**SH-WW402**
#4 BENT BAR
LEVEL II, DUAL COATED
(16) REQ'D.




**SH-WW501**
#5 BENT BAR
LEVEL II, DUAL COATED
(12) REQ'D.

## MISCELLANEOUS MATERIALS

| ITEM | MARK | QTY. | DESCRIPTION | REMARKS |
|---|---|---|---|---|
| 1 | | 2 218 | #4 x 4'-4" (LEVEL II, DUAL COATED) | |
| 2 | | | | |
| 3 | | 102 | #5 x 12'-6" (LEVEL II, DUAL COATED) | |
| 4 | | 13 | #5 x 25'-0" (LEVEL II, DUAL COATED) | |
| 5 | | 13 | #5 x 23'-8" (LEVEL II, DUAL COATED) | |
| 6 | | 11 | #5 x 12'-5" (LEVEL II, DUAL COATED) | |
| 7 | | 16 | #5 x 15'-11" (LEVEL II, DUAL COATED) | |
| 8 | | 68 | #5 x 15'-6" (LEVEL II, DUAL COATED) | |
| 9 | | 20 | #5 x 9'-8" (LEVEL II, DUAL COATED) | |
| 10 | | 11 | #5 x 12'-2" (LEVEL II, DUAL COATED) | |
| 11 | | 16 | #5 x 15'-10" (LEVEL II, DUAL COATED) | |
| 12 | | 20 | #5 x 10'-0" (LEVEL II, DUAL COATED) | |
| 13 | | 4 | #5 x 13'-8" (LEVEL II, DUAL COATED) | |
| 14 | | | | |
| 15 | | 11 | #7 x 12'-5" (LEVEL II, DUAL COATED) | |
| 16 | | 11 | #7 x 12'-2" (LEVEL II, DUAL COATED) | |
| 17 | | | | |
| 18 | | 2 25 | #8 x 9'-9" (LEVEL II, DUAL COATED) | |
| 19 | | 21 | #8 x 15'-8" (LEVEL II, DUAL COATED) | |
| 20 | | 21 | #8 x 15'-7" (LEVEL II, DUAL COATED) | |
| 21 | | | | |
| 22 | | 25 | #10 x 23'-4" (LEVEL II, DUAL COATED) | |
| 23 | | 25 | #10 x 24'-8" (LEVEL II, DUAL COATED) | |
| 24 | | | | |
| 25 | | | | |
| 26 | SH-WW401 | 16 | #4 BENT BAR (LEVEL II, DUAL COATED) | SEE DETAIL THIS SHEET |
| 27 | SH-WW402 | 16 | #4 BENT BAR (LEVEL II, DUAL COATED) | SEE DETAIL THIS SHEET |
| 28 | SH-WW501 | 12 | #5 BENT BAR (LEVEL II, DUAL COATED) | SEE DETAIL THIS SHEET |
| 29 | | | | |
| 30 | | 16 | 20T x 10" SWIFT LIFT ANCHOR W/ RECESS PLUG (BLACK) | |
| 31 | | 12 | 20T x 19 3/4" SWIFT LIFT ANCHOR W/ RECESS PLUG (BLACK) | |
| 32 | | | | |
| 33 | | 118 | DAYTON 3/4"ϕ F-42 INSERT (GALV.) | |
| 34 | | 58 | #5U-X NMB SPLICE SLEEVE (EPOXY COATED) | |
| 35 | | 42 | #8U-X NMB SPLICE SLEEVE (EPOXY COATED) | |
| 36 | | 50 | #10U-X NMB SPLICE SLEEVE (EPOXY COATED) | |
| 37 | | 4 | 1"ϕ x 18" LG. GALV HEADED ANCHOR BOLT | |

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JAN 31 2014
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MIDDLEBURY, VT 05753

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ROUTE NO. VT 125, EAST MIDDLEBURY GORGE
BRIDGE NO.: 13 PROJECT NO.: RS 0174(8)

P/C WINGWALL MATERIAL LIST

DATE: OCT. 9, 2013
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CHKD: DFTM: T.D.
JOB NO: 23411-013
DWG. NO: WWM1

F:\VT-Bridges\East Middlebury Gorge\23411-013 WWM1.dwg, 1/31/2014 2:59:11 PM