



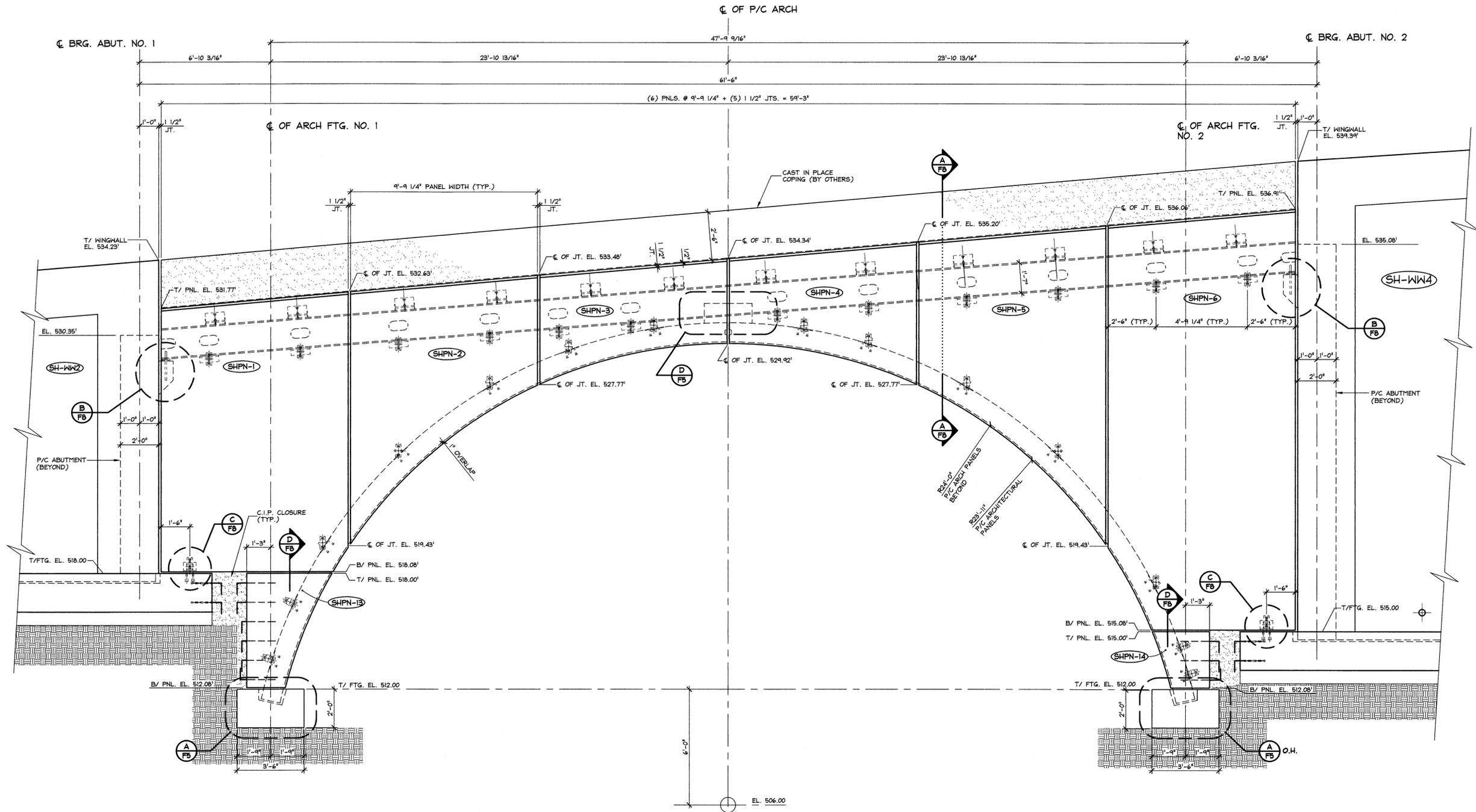
REVIEW NOTES
MIDDLEBURY RS 0174(8) - SAND HILL BRIDGE
PRECAST ARCH PANEL FABRICATION DRAWINGS
April 4, 2014

RE: Precast Arch Panel Fabrication Drawings received from T Buck on 2/14/2014 (drawings dated 10/9/2013 with revisions effective 3/26/2014).

VHB Project No.: 57438.00

These notes accompany the review of the Precast Arch Panel Fabrication Drawings reviewed by VHB on 4/4/2014.

1. With respect to Detail “C” on Sheets PA1 through PA12, inclusive, the cut ends of the coil rods protruding from the top of the panels and the associated grouted recesses shall be protected as outlined below:
 - a. After the coil rods are cut back into the recesses as noted in the Fabrication Drawings, the ends of the rods shall be coated with epoxy coating repair material in accordance with Section 507 of the Standard Specifications for Construction.
 - b. After the recesses in the top of the panels have been grouted, they shall be coated with the “Coal Tar Epoxy #210” epoxy waterproofing system, as proposed by T. Buck, in accordance with the manufacturer’s recommendations. See attached cut sheet and MSDS as provided by J. P. Carrara on March 6, 2014.



1 WEST ELEVATION OF PRECAST ARCHITECTURAL PANELS
 F6
 3/8" = 1'-0"

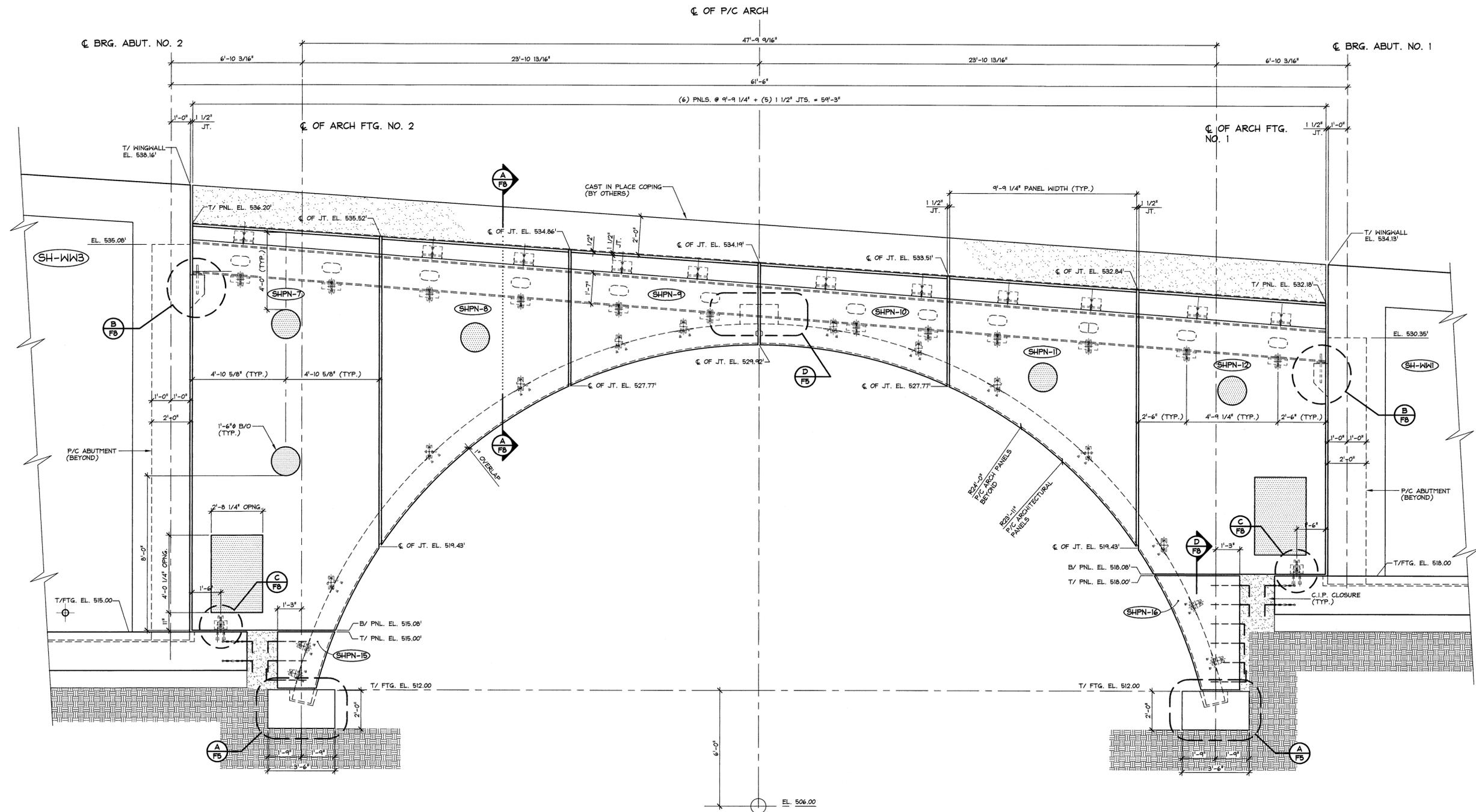
Vermont Agency of Transportation
RECEIVED
 ON: **April 2, 2014**
 and Checked for
CONFORMANCE
 BY: Jennifer Fitch DATE: 04/04/2014

SHOP DRAWING REVIEW	
<input checked="" type="checkbox"/> REVIEWED AS REQUIRED BY THE CONSTRUCTION CONTRACT DOCUMENTS AND APPROVED, BUT ONLY FOR CONFORMANCE TO THE DESIGN CONCEPT OF THE WORK, AND SUBJECT TO FURTHER LIMITATIONS AND REQUIREMENTS CONTAINED IN THE CONSTRUCTION CONTRACT DOCUMENTS.	
<input type="checkbox"/> REJECTED	<input type="checkbox"/> REVISE AND RESUBMIT
<input type="checkbox"/> FURNISH AS CORRECTED	
CORRECTIONS OR COMMENTS MADE ON THE SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLIANCE WITH REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS. THIS CHECK IS ONLY FOR REVIEW OF GENERAL CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND GENERAL COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR: CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.	
VHB	Job Number: 57438 Reviewed By: G.S. Goodrich Date: 4/4/2014

ISSUED FOR PRODUCTION
 APR 01 2014
 J.P. CARRARA & SONS, INC.
 MIDDLEBURY, VT 05753

1-24-14 GENERAL REVISION T.D.

APPROVAL STAMP:	J.P. CARRARA & SONS INC. Precast & Prestress Manufacturer 2404 OXEE 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
TOWN OF MIDDLEBURY ROUTE NO. VT 125, EAST MIDDLEBURY GORGE BRIDGE NO.: 13 PROJECT NO.: RS 0174(B)		CHKD: DFTM: T.D. JOB NO: 23411-013
P/C ARCHITECTURAL PANEL LAYOUT WEST ELEVATION		DWG. NO: F6



2 EAST ELEVATION OF PRECAST ARCHITECTURAL PANELS
 F7 3/8" = 1'-0"

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 Reviewed By: G.S. Goodrich
 Date: 4/4/2014

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 MIDDLEBURY, VT 05753

- 2-11-14 GENERAL REVISION T.D.
- 1-24-14 GENERAL REVISION T.D.

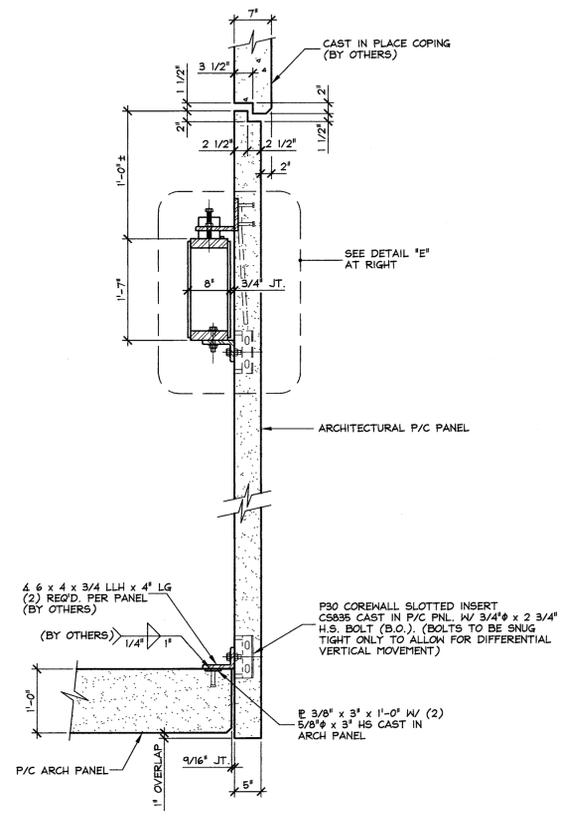
APPROVAL STAMP:	J.P. CARRARA & SONS INC. Precast & Prestress Manufacturer <small>2444 CASE STR., MIDDLEBURY, VERMONT 05753 Phone: (802)388-6361 Fax: (802)388-9010</small>	T. BUCK CONSTRUCTION CONTRACTOR AUBURN, MAINE
STATE OF VERMONT AGENCY OF TRANSPORTATION COUNTY OF ADDISON		DATE: OCT. 9, 2013 SCALE: NOTED
ROUTE NO. VT 125, EAST MIDDLEBURY GORGE BRIDGE NO.: 13 PROJECT NO.: RS 0174(B)		CHKD: DFTM: T.D. JOB NO:
P/C ARCHITECTURAL PANEL LAYOUT EAST ELEVATION		DWG. NO: F7

Vermont Agency of Transportation

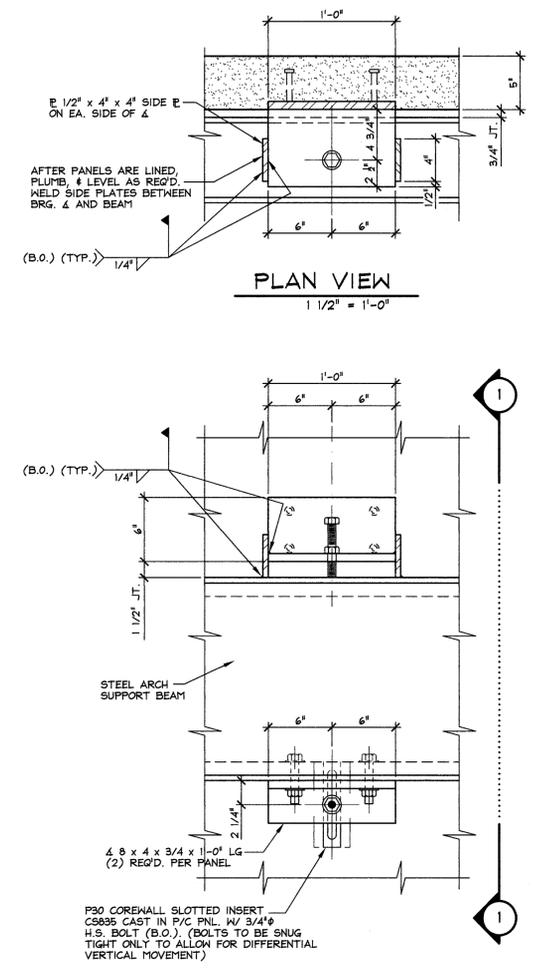
RECEIVED
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BY: Jennifer Fitch DATE: 04/04/2014

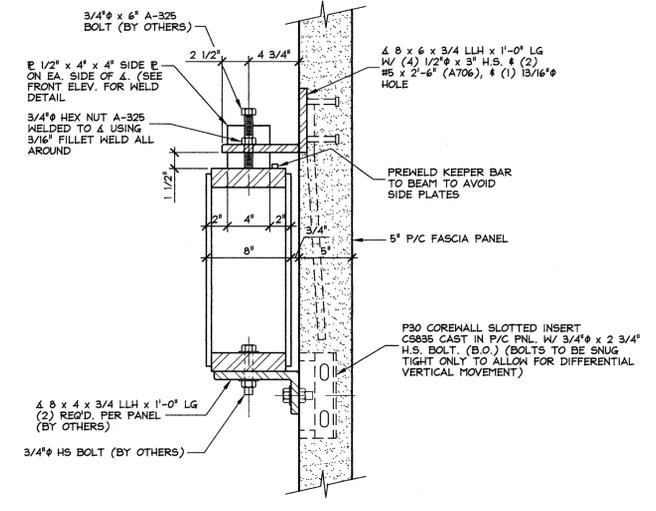
SHOP DRAWING REVIEW	
<input checked="" type="checkbox"/> REVIEWED AS REQUIRED BY THE CONSTRUCTION CONTRACT DOCUMENTS AND APPROVED, BUT ONLY FOR CONFORMANCE TO THE DESIGN CONCEPT OF THE WORK, AND SUBJECT TO FURTHER LIMITATIONS AND REQUIREMENTS CONTAINED IN THE CONSTRUCTION CONTRACT DOCUMENTS.	<input type="checkbox"/> REJECTED
<input type="checkbox"/> REJECTED	<input type="checkbox"/> REVISE AND RESUBMIT
<input type="checkbox"/> CORRECTIONS OR COMMENTS MADE ON THE SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLIANCE WITH REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS. THIS CHECK IS ONLY FOR REVIEW OF GENERAL CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND GENERAL COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.	<input type="checkbox"/> FURNISH AS CORRECTED
VHB	Job Number: 57438 Reviewed By: G.S. Goodrich Date: 4/4/2014



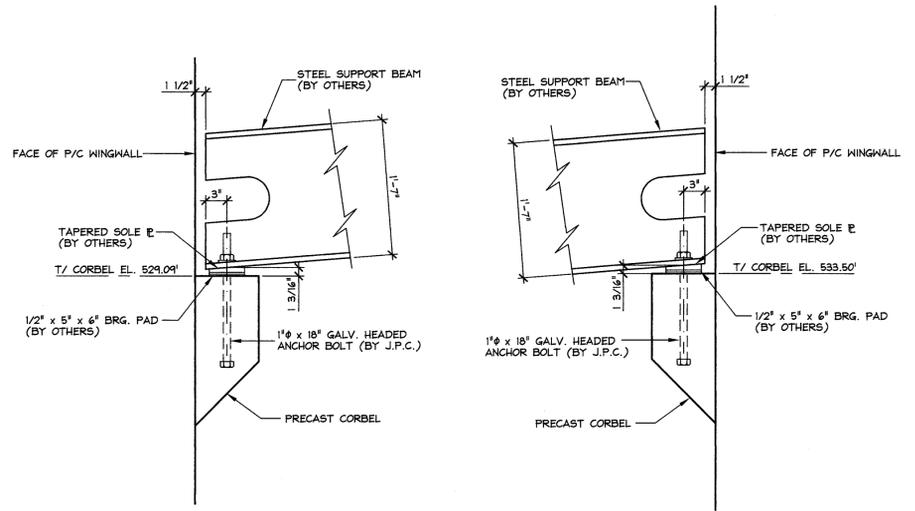
A P/C PANEL CONNECTION DETAIL
 F8 3/4" = 1'-0"



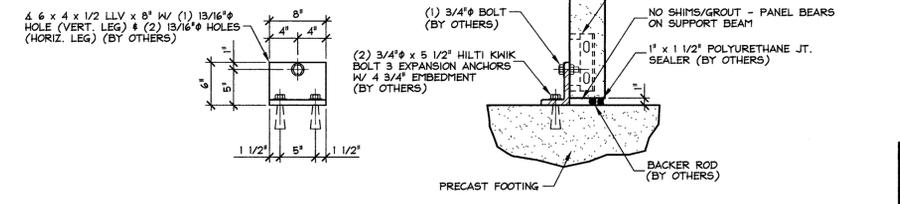
B FRONT ELEVATION
 F8 1 1/2" = 1'-0"



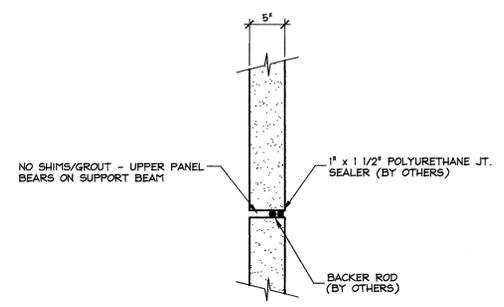
C ENLARGED CONNECTION DETAIL
 F8 1 1/2" = 1'-0"



D SUPPORT BEAM @ CORBEL DETAIL
 F8 1" = 1'-0"



E P/C PANEL CONNECTION DETAIL
 F8 1" = 1'-0"



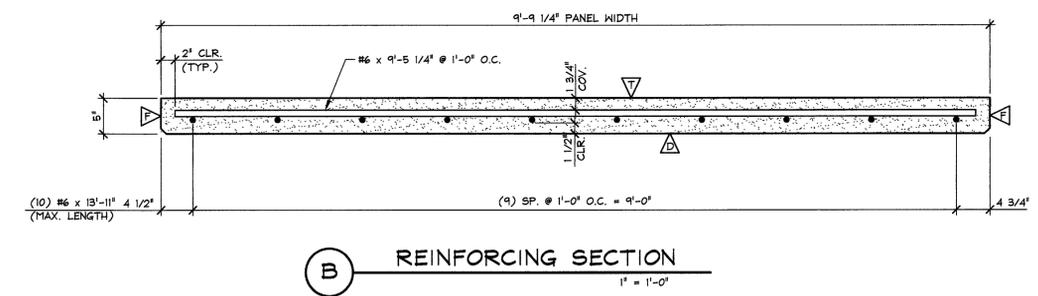
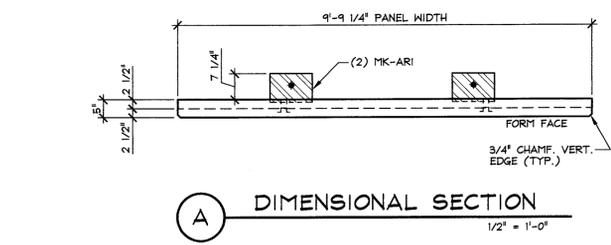
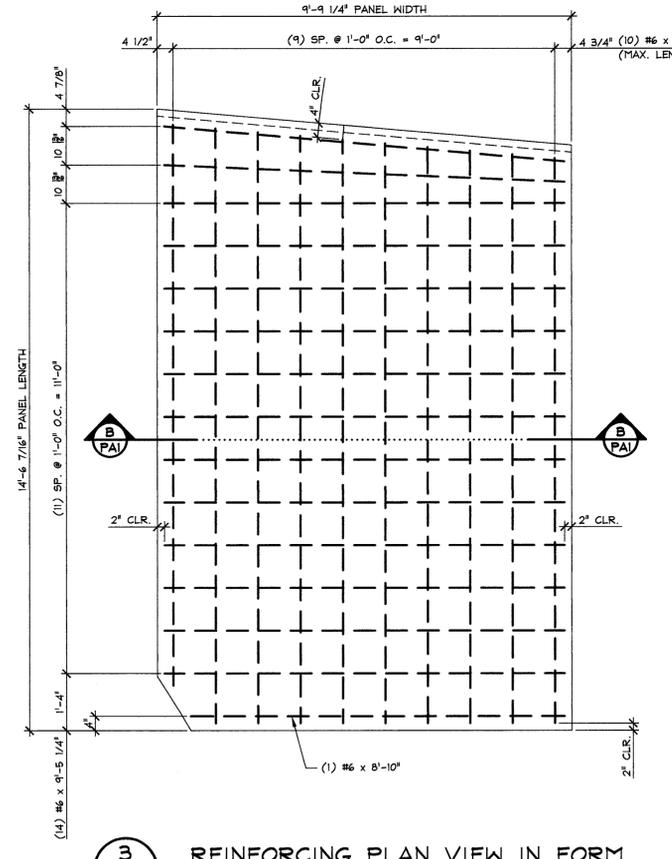
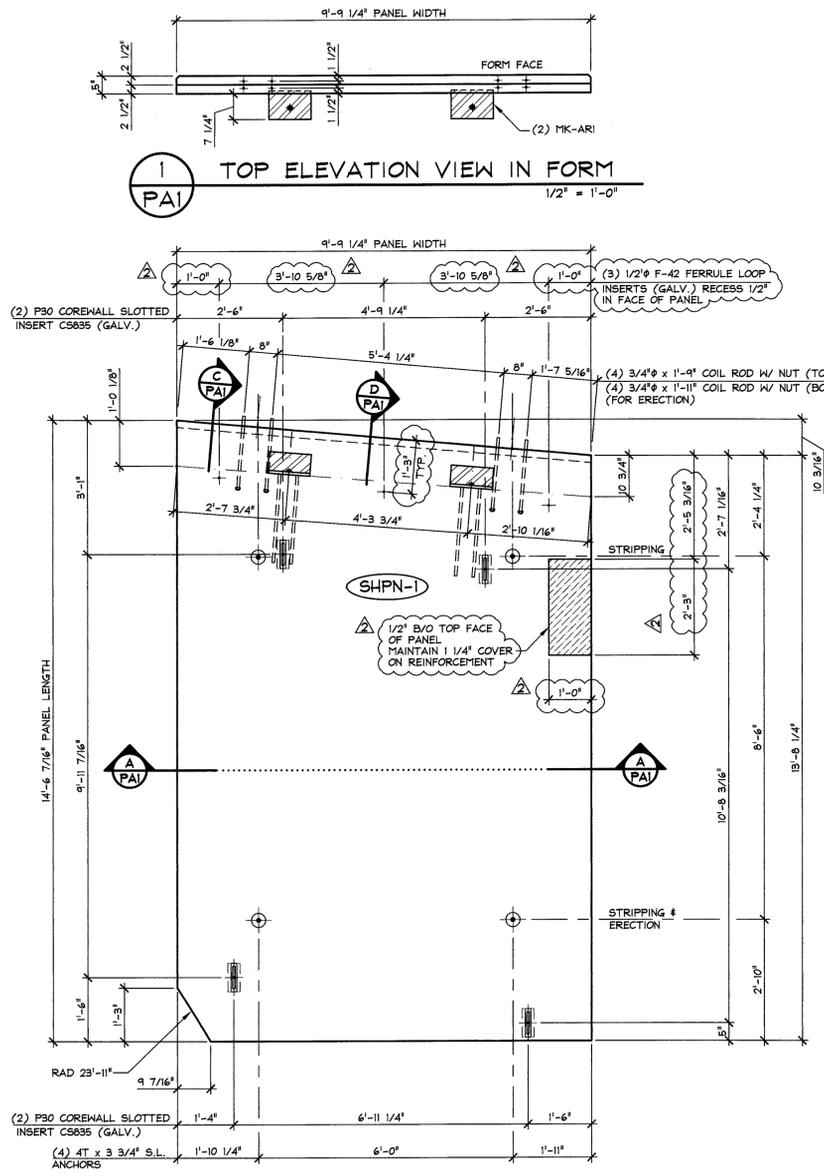
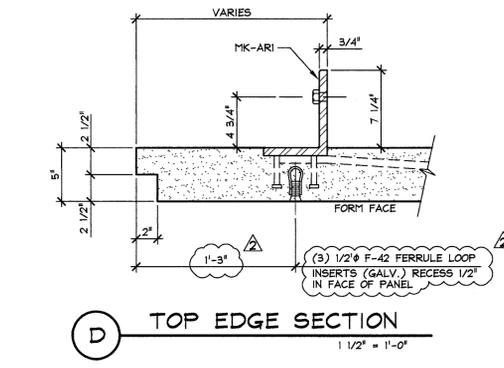
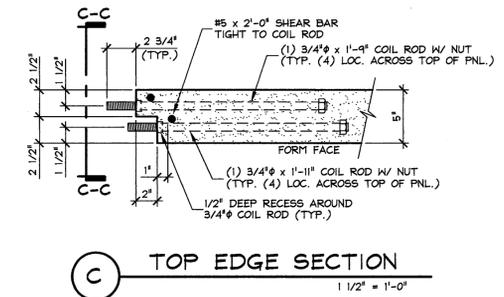
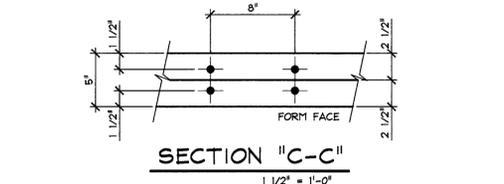
F PANEL JT. SECTION
 F8 1" = 1'-0"

APPROVAL STAMP:	J.P. CARRARA & SONS INC. Precast & Prestress Manufacturer 2444 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
TOWN OF MIDDLEBURY ROUTE NO. VT 125, EAST MIDDLEBURY GORGE BRIDGE NO.: 13 PROJECT NO.: RS 0174(B)		CHKD: DFTM: T.D. JOB NO: 23411-013
SECTIONS & DETAILS		DWG. NO: F8

ISSUED FOR PRODUCTION
 APR 01 2014
 J.P. CARRARA & SONS, INC.
 MIDDLEBURY, VT 05753

F:\VT-Bridges\East Middlebury Gorge\23411-013 F8.dwg, 1/30/2014 9:53:48 AM

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 ON: April 2, 2014
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CONFORMANCE
 BY: Jennifer Fitch DATE: 04/04/2014



SHOP DRAWING REVIEW

REVIEWED AS REQUIRED BY THE CONSTRUCTION CONTRACT DOCUMENTS AND APPROVED, BUT ONLY FOR CONFORMANCE TO THE DESIGN CONCEPT OF THE WORK, AND SUBJECT TO FURTHER LIMITATIONS AND REQUIREMENTS CONTAINED IN THE CONSTRUCTION CONTRACT DOCUMENTS.

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Job Number: 57438
 Reviewed By: G.S. Goodrich
 Date: 4/4/2014

VHB

- △ = FLOAT FINISH
- △ = DRESSED FINISH PER VT. SECTION 501.16
- △ = FORM FINISH

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 MIDDLEBURY, VT 05753

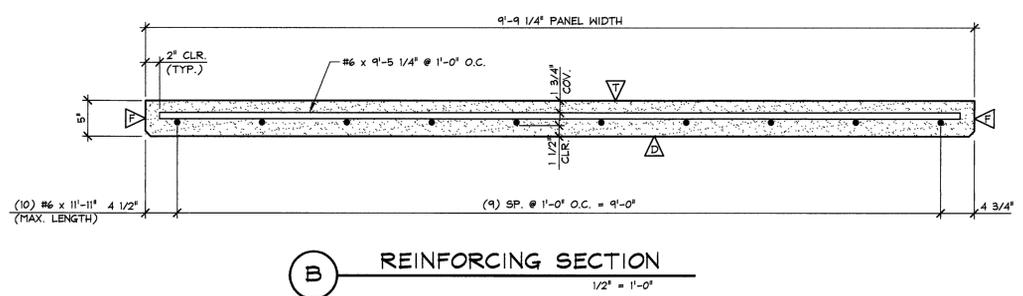
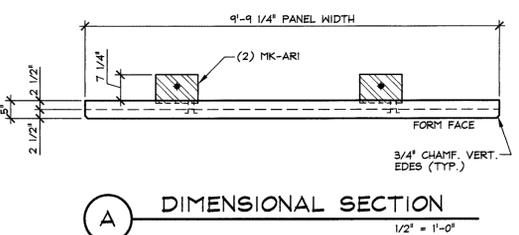
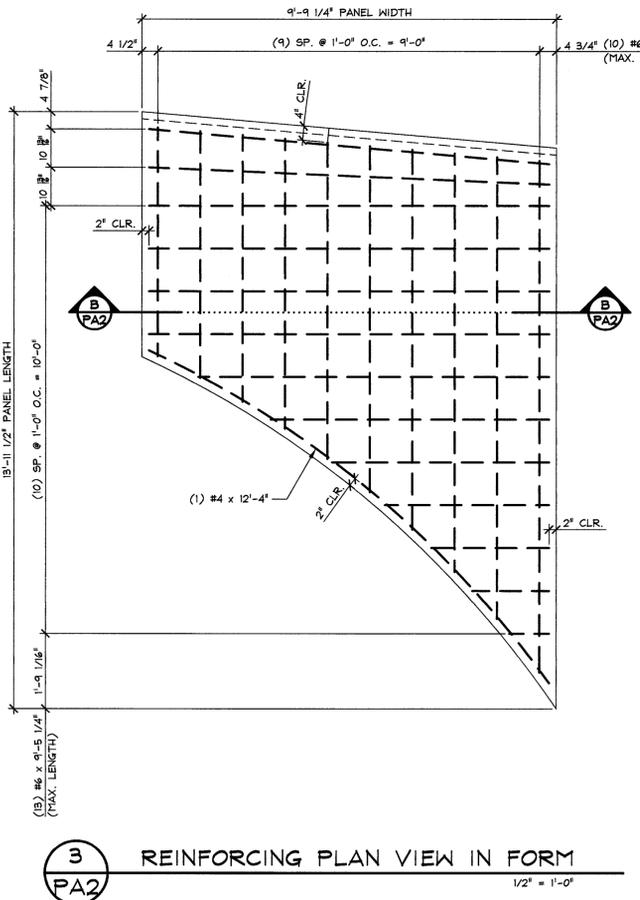
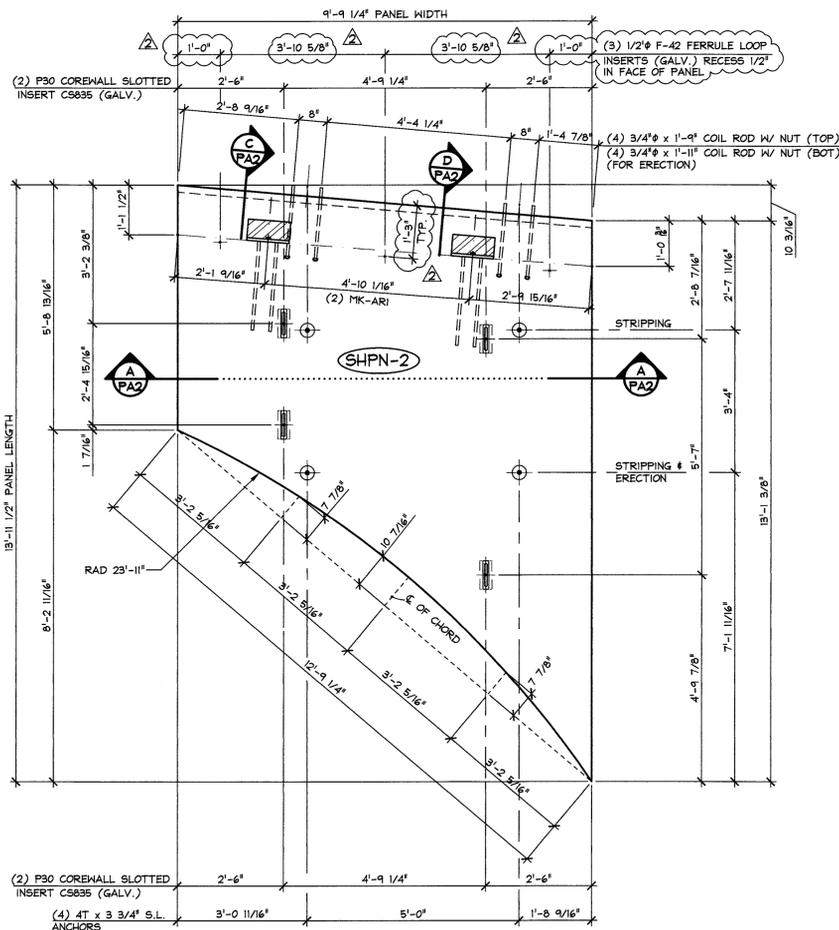
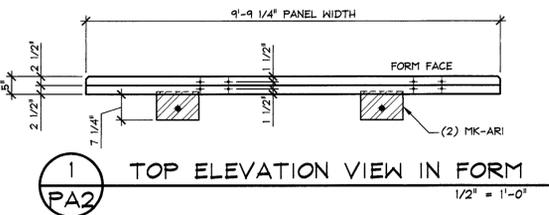
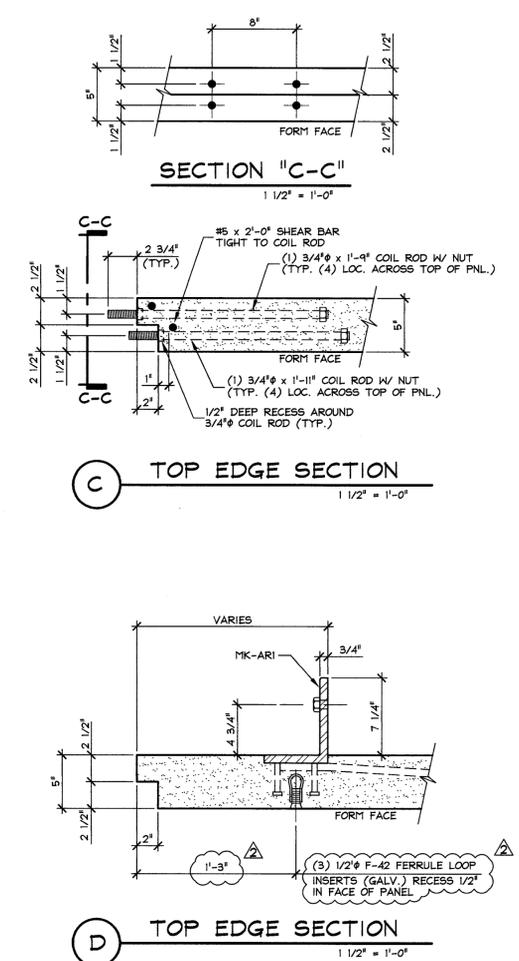
APPROVAL STAMP:

J.P. CARRARA & SONS INC. Precast & Prestress Manufacturer 244 GSE 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	
TOWN OF MIDDLEBURY ROUTE NO. VT 125, EAST MIDDLEBURY GORGE BRIDGE NO.: 13 PROJECT NO.: RS 0174(B)		CHKD: DFTM: T.D. JOB NO: 23411-013	
P/C ARCHITECTURAL PANEL DETAILS		DWG. NO: PAI	

3500 PSI @ RELEASE
 5000 PSI @ 28 DAYS
 MIX DESIGN: 445M3CC

MATERIAL LIST / ARCHITECTURAL PANEL			
ITEM	MARK	DESCRIPTION	QTY.
1	MK-ARI	4 8 x 6 x 3/4 x 1'-0" LLH W/ ANCHORS (GALV.)	2
2		3/4" x 1'-9" COIL ROD W/ NUT (GALV.)	4
3		3/4" x 1'-11" COIL ROD W/ NUT (GALV.)	4
4		DAYTON P30 COREWALL C5835 SLOTTED INSERT (GALV.)	4
5		DAYTON 4T x 3 3/4" SHIFLIFT (BLACK) (WITH RECESS PLUG)	4
6	△	1/2" F-42 FERRULE LOOP INSERT (GALV.)	3
7			
8			
9		#5 x 2'-0" (LEVEL II, DUAL COATED)	4
10		#6 x 8'-10" (LEVEL II, DUAL COATED)	1
11		#6 x 9'-5 1/4" (LEVEL II, DUAL COATED)	14
12		#6 x 13'-11" (LEVEL II, DUAL COATED)	10
13			
14			
15			

RECEIVED
 ON: **April 2, 2014**
 and Checked for
CONFORMANCE
 BY: **Jennifer Fitch** DATE: **04/04/2014**



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VHB Job Number: 57438
 Reviewed By: G.S. Goodrich
 Date: 4/4/2014

4500 PSI @ RELEASE
 5000 PSI @ 28 DAYS

MIX DESIGN: 445MSCC

MARK: SHPN-2	QTY.: 1	WT.: 2.65 T	VOL.: 1.31 cy
MATERIAL LIST / ARCHITECTURAL PANEL			
ITEM	MARK	DESCRIPTION	QTY.
1	MK-ARI	4 8 x 6 x 3/4 x 1'-0" LLH W/ ANCHORS (GALV.)	2
2		3/4" x 1'-9" COIL ROD W/ NUT (GALV.)	4
3		3/4" x 1'-11" COIL ROD W/ NUT (GALV.)	4
4		DAYTON P30 COREWALL C5835 SLOTTED INSERT (GALV.)	4
5		DAYTON 4T x 3 3/4" SWIFT LIFT (BLACK) (WITH RECESS PLUG)	4
6		1/2" F-42 FERRULE LOOP INSERT (GALV.)	3
7			
8			
9		#5 x 2'-0" (LEVEL II, DUAL COATED)	4
10		#4 x 12'-4" (LEVEL II, DUAL COATED)	1
11		#6 x 9'-5 1/4" (LEVEL II, DUAL COATED)	13
12		#6 x 11'-11" (LEVEL II, DUAL COATED)	10
13			
14			
15			

ISSUED FOR PRODUCTION
 APR 01 2014
 J.P. CARRARA & SONS, INC.
 MIDDLEBURY, VT 05753

APPROVAL STAMP:

3-26-14 GENERAL REVISION T.D.
 2-11-14 GENERAL REVISION T.D.

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

T. BUCK CONSTRUCTION
 CONTRACTOR
 AUBURN, MAINE

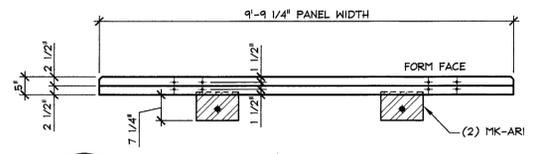
STATE OF VERMONT AGENCY OF TRANSPORTATION
 COUNTY OF ADDISON

DATE: OCT. 9, 2013
 SCALE: NOTED

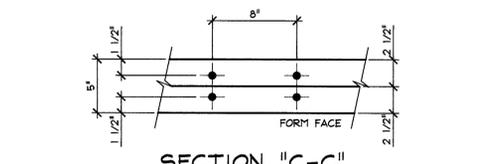
TOWN OF MIDDLEBURY
 ROUTE NO. VT 125, EAST MIDDLEBURY GORGE
 BRIDGE NO.: 13 PROJECT NO.: RS 0174(8)

CHKD: DFTM: T.D.
 JOB NO: 23411-013

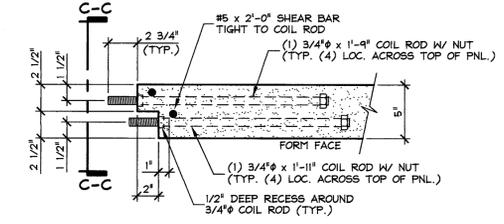
P/C ARCHITECTURAL PANEL DETAILS
 DWG. NO: PA2



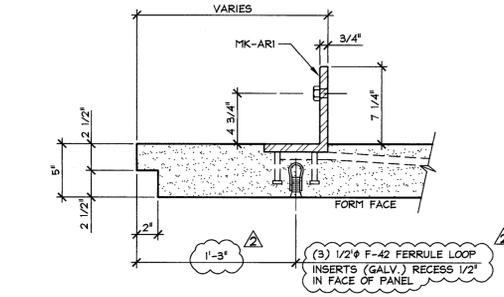
1 TOP ELEVATION VIEW IN FORM
PA3 1/2" = 1'-0"



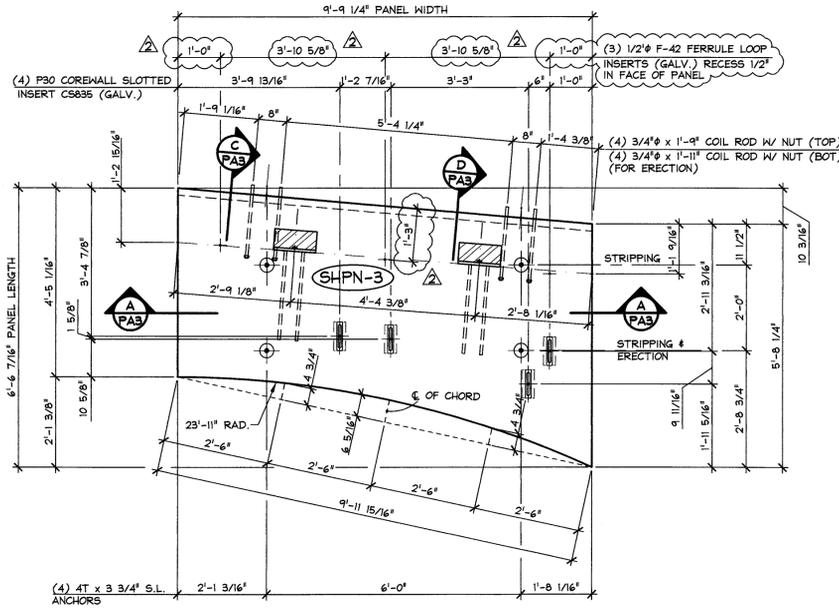
SECTION "C-C"
1 1/2" = 1'-0"



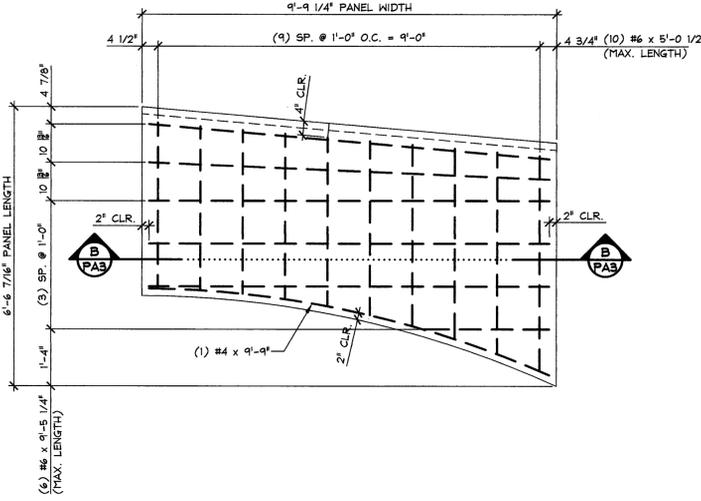
C TOP EDGE SECTION
1 1/2" = 1'-0"



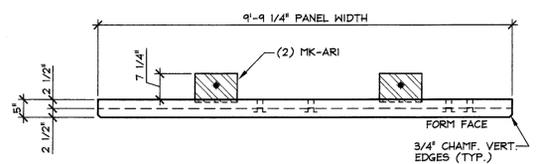
D TOP EDGE SECTION
1 1/2" = 1'-0"



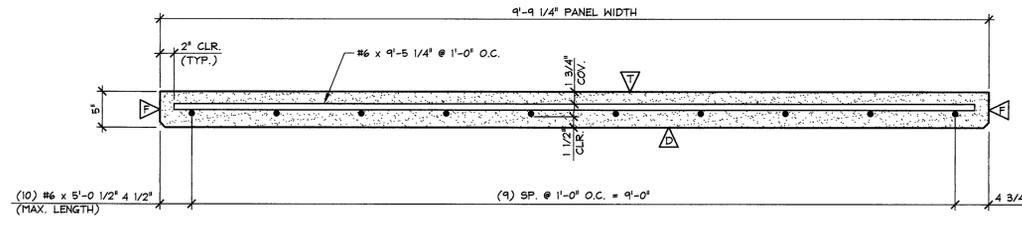
2 PLAN VIEW IN FORM
PA3 1/2" = 1'-0"



3 REINFORCING PLAN VIEW IN FORM
PA3 1/2" = 1'-0"



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



B REINFORCING SECTION
1/2" = 1'-0"

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 Reviewed By: G.S. Goodrich
 Date: 4/4/2014

3500 PSI @ RELEASE
5000 PSI @ 28 DAYS

MIX DESIGN: 445MSCC

MARK: SHPN-3	QTY.: 1	WT.: 1.43 T	VOL.: 0.71 cy
MATERIAL LIST / ARCHITECTURAL PANEL			
ITEM	MARK	DESCRIPTION	QTY.
1	MK-ARI	4 8 x 6 x 3/4 x 1'-0" LLH W/ ANCHORS (GALV.)	2
2		3/4" x 1'-9" COIL ROD W/ NUT (GALV.)	4
3		3/4" x 1'-11" COIL ROD W/ NUT (GALV.)	4
4		DAYTON P30 COREWALL CS835 SLOTTED INSERT (GALV.)	4
5		DAYTON 4T x 3 3/4" SWIFT LIFT (BLACK) (WITH RECESS PLUG)	4
6		1/2" F-42 FERRULE LOOP INSERT (GALV.)	3
7			
8			
9		#5 x 2'-0" (LEVEL II, DUAL COATED)	4
10		#4 x 9'-9" (LEVEL II, DUAL COATED)	1
11		#6 x 9'-5 1/4" (LEVEL II, DUAL COATED)	6
12		#6 x 5'-0 1/2" (LEVEL II, DUAL COATED)	10
13			
14			
15			

APPROVAL STAMP:

J.P. CARRARA & SONS INC. Precast & Prestress Manufacturer 2444 CASE ST., 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
TOWN OF MIDDLEBURY ROUTE NO. VT 125, EAST MIDDLEBURY GORGE BRIDGE NO.: 13 PROJECT NO.: RS 0174(B)	DATE: OCT. 9, 2013 SCALE: NOTED CHKD: DFTM: T.D. JOB NO: 23411-013
P/C ARCHITECTURAL PANEL DETAILS	
DWG. NO: PA3	

3-26-14 GENERAL REVISION T.D.
2-11-14 GENERAL REVISION T.D.

Vermont Agency of Transportation

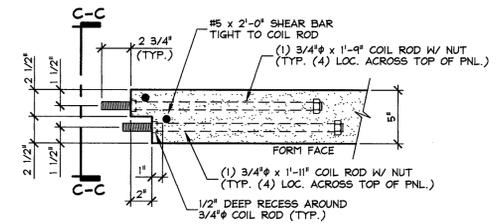
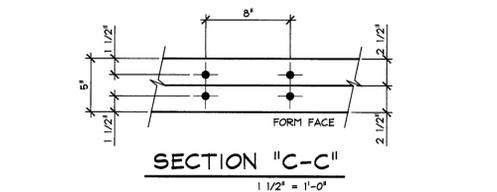
RECEIVED

ON: **April 2, 2014**

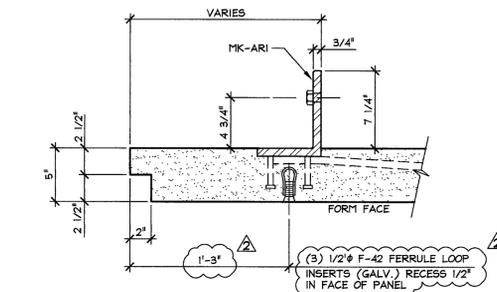
and Checked for

CONFORMANCE

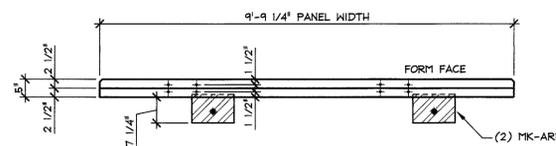
BY: Jennifer Fitch DATE: 04/04/2014



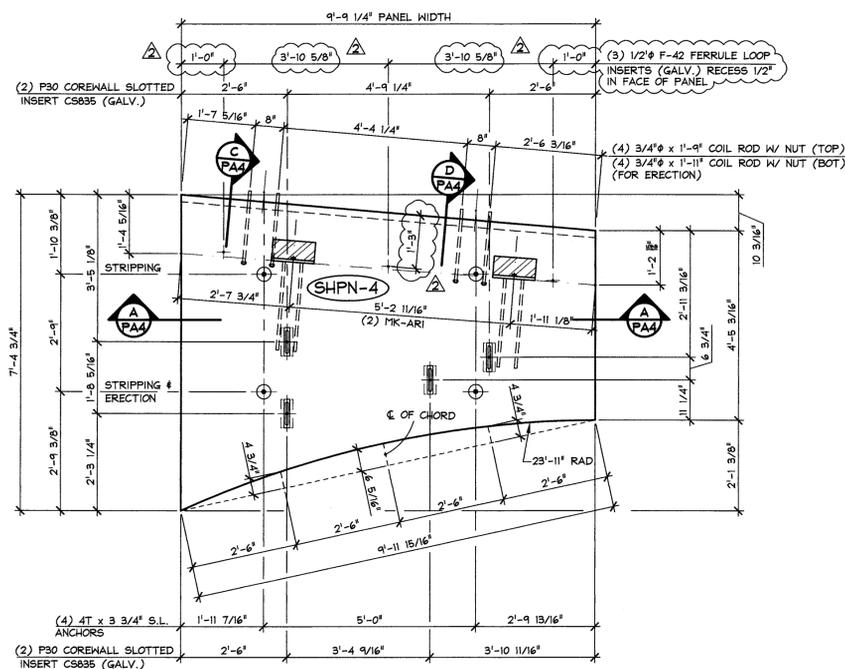
C TOP EDGE SECTION
1/2" = 1'-0"



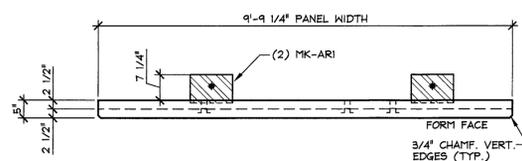
D TOP EDGE SECTION
1/2" = 1'-0"



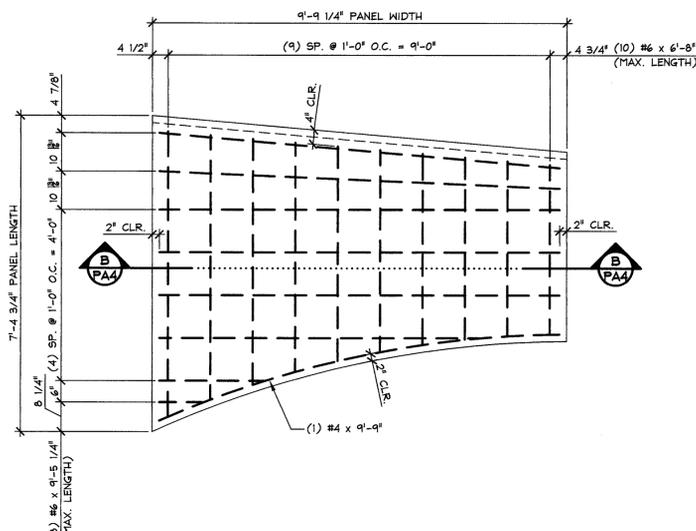
1 TOP ELEVATION VIEW IN FORM
PA4
1/2" = 1'-0"



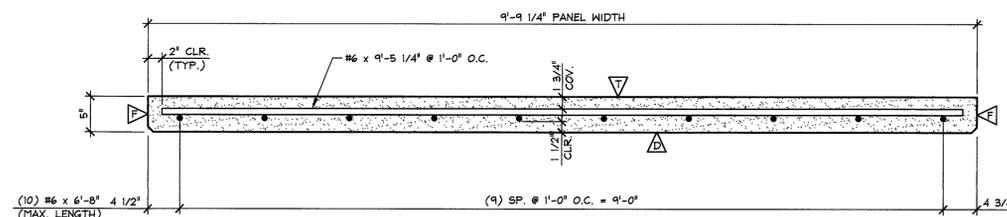
2 PLAN VIEW IN FORM
PA4
1/2" = 1'-0"



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



3 REINFORCING PLAN VIEW IN FORM
PA4
1/2" = 1'-0"



B REINFORCING SECTION
1/2" = 1'-0"

- △ = FLOAT FINISH
- △ = DRESSED FINISH PER VT. SECTION E01.16
- △ = FORM FINISH

SHOP DRAWING REVIEW

REVIEWED AS REQUIRED BY THE CONSTRUCTION CONTRACT DOCUMENTS AND APPROVED, BUT ONLY FOR CONFORMANCE TO THE DESIGN CONCEPT OF THE WORK, AND SUBJECT TO FURTHER LIMITATIONS AND REQUIREMENTS CONTAINED IN THE CONSTRUCTION CONTRACT DOCUMENTS.

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VHB Job Number: 57438
Reviewed By: G.S. Goodrich
Date: 4/4/2014

3500 PSI @ RELEASE
5000 PSI @ 28 DAYS
MIX DESIGN: 445M5CC

MARK: SHPN-4	QTY.: 1	WT.: 1.69 T	VOL.: 0.83 cy
MATERIAL LIST / ARCHITECTURAL PANEL			
ITEM	MARK	DESCRIPTION	QTY.
1	MK-ARI	4 8 x 6 x 3/4 x 1'-0" LLH W/ ANCHORS (GALV.)	2
2		3/4" x 1'-9" COIL ROD W/ NUT (GALV.)	4
3		3/4" x 1'-11" COIL ROD W/ NUT (GALV.)	4
4		DAYTON P30 COREWALL CS835 SLOTTED INSERT (GALV.)	4
5		DAYTON 4T x 3 3/4" SWIFT LIFT (BLACK) (WITH RECESS PLUG)	4
6	△	1/2" F-42 FERRULE LOOP INSERT (GALV.)	3
7			
8			
9		#5 x 2'-0" (LEVEL II, DUAL COATED)	4
10		#4 x 9'-9" (LEVEL II, DUAL COATED)	1
11		#6 x 9'-5 1/4" (LEVEL II, DUAL COATED)	8
12		#6 x 6'-8" (LEVEL II, DUAL COATED)	10
13			
14			
15			

ISSUED FOR PRODUCTION
APR 01 2014
J.P. CARRARA & SONS, INC.
MIDDLEBURY, VT 05753

APPROVAL STAMP:

J.P. CARRARA & SONS INC. **T. BUCK CONSTRUCTION**
Precast & Prestress Manufacturer CONTRACTOR
2444 CASE STR., MIDDLEBURY, VERMONT 05753 Phone: (802)388-6361 Fax: (802)388-9010 AUBURN, MAINE

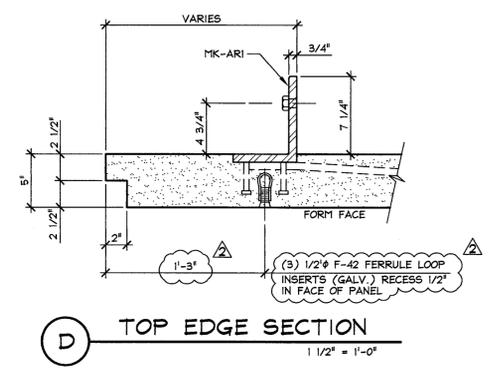
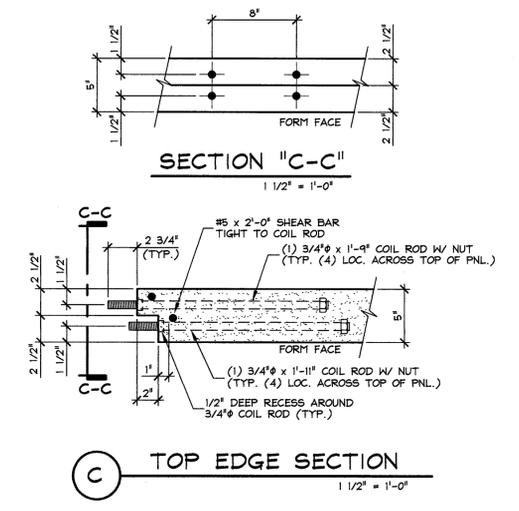
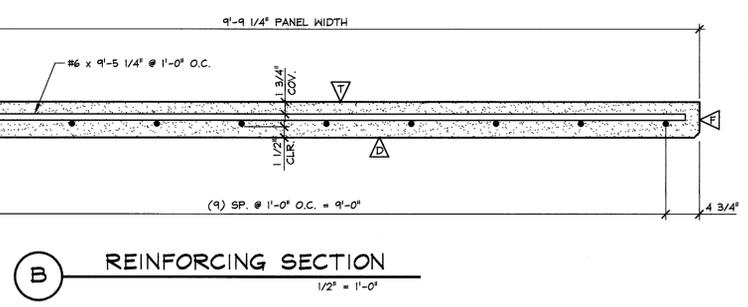
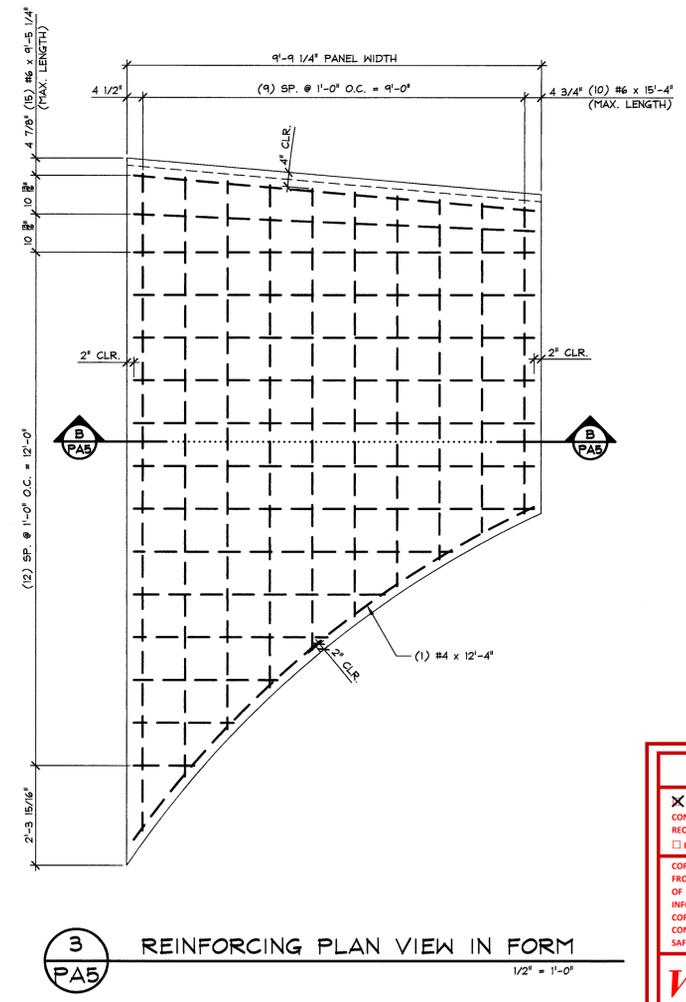
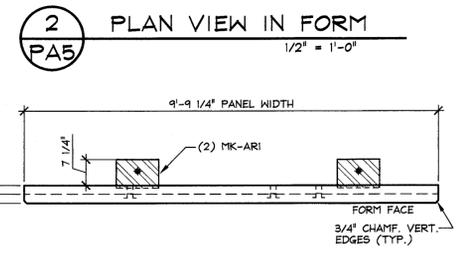
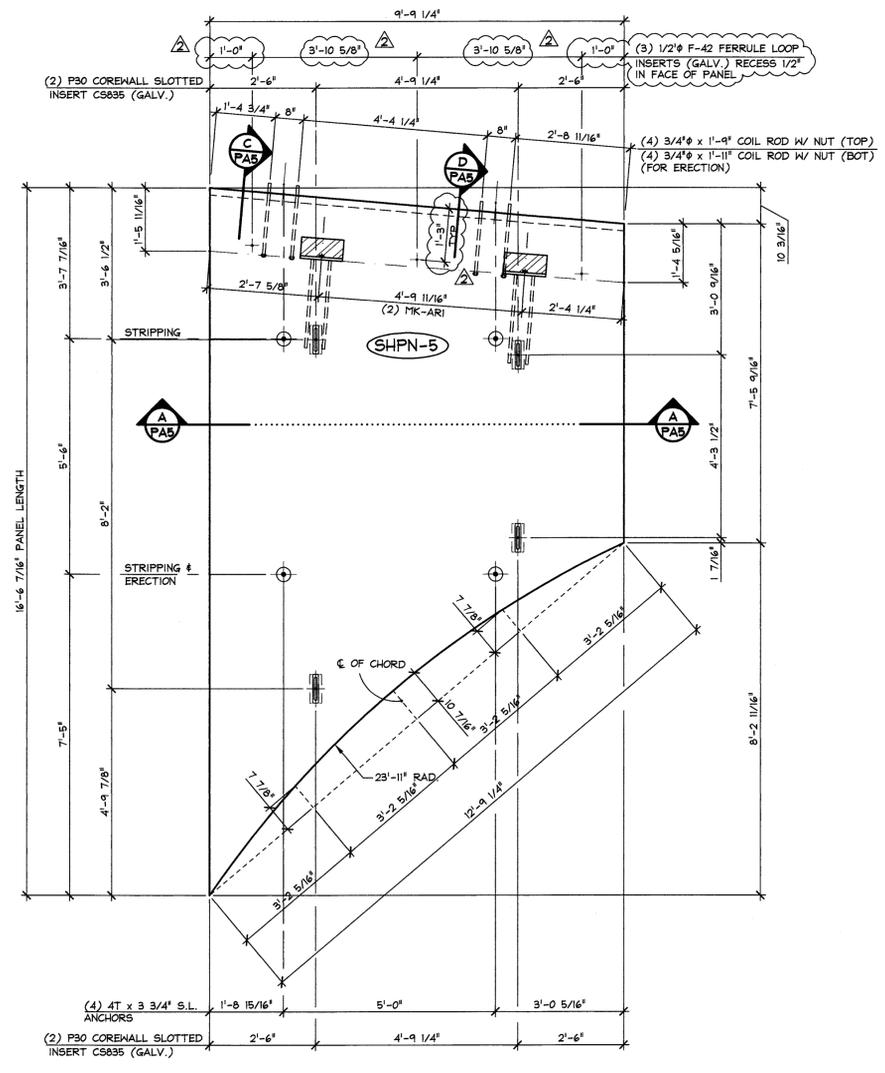
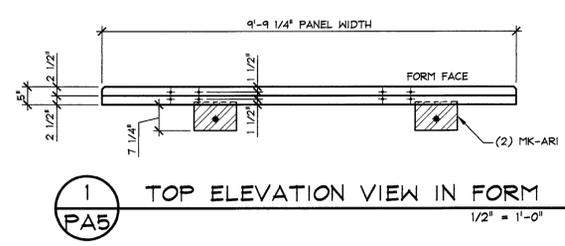
STATE OF VERMONT AGENCY OF TRANSPORTATION DATE: OCT. 9, 2013
COUNTY OF ADDISON SCALE: NOTED

TOWN OF MIDDLEBURY CHKD: DFTM: T.D.
ROUTE NO. VT 125, EAST MIDDLEBURY GORGE PROJECT NO.: RS 0174(B)
BRIDGE NO.: 13 JOB NO.: 23411-013

P/C ARCHITECTURAL PANEL DETAILS DWG. NO: **PA4**

- 3-26-14 GENERAL REVISION T.D.
- 2-11-14 GENERAL REVISION T.D.

Vermont Agency of Transportation
RECEIVED
 ON: **April 2, 2014**
 and Checked for
CONFORMANCE
 BY: Jennifer Fitch DATE: 04/04/2014



SHOP DRAWING REVIEW

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VHB Job Number: 57438
 Reviewed By: G.S. Goodrich
 Date: 4/4/2014

4500 PSI @ RELEASE
5000 PSI @ 28 DAYS
MIX DESIGN: 445MSCC

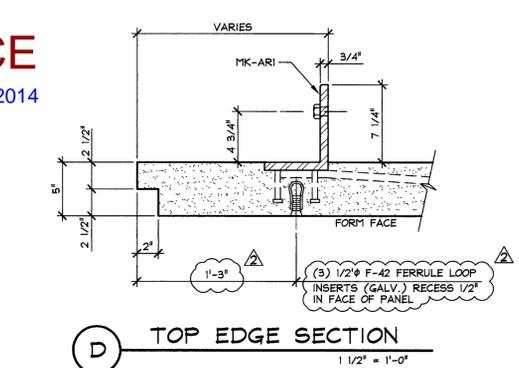
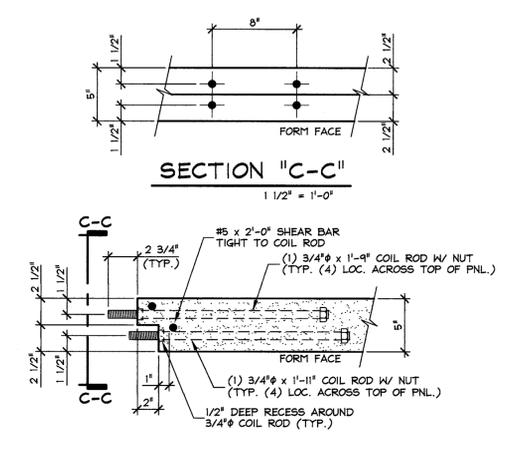
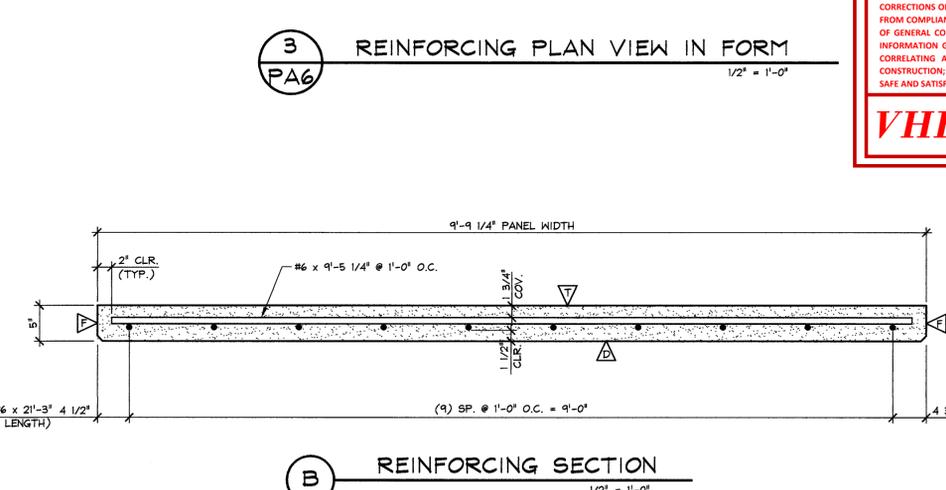
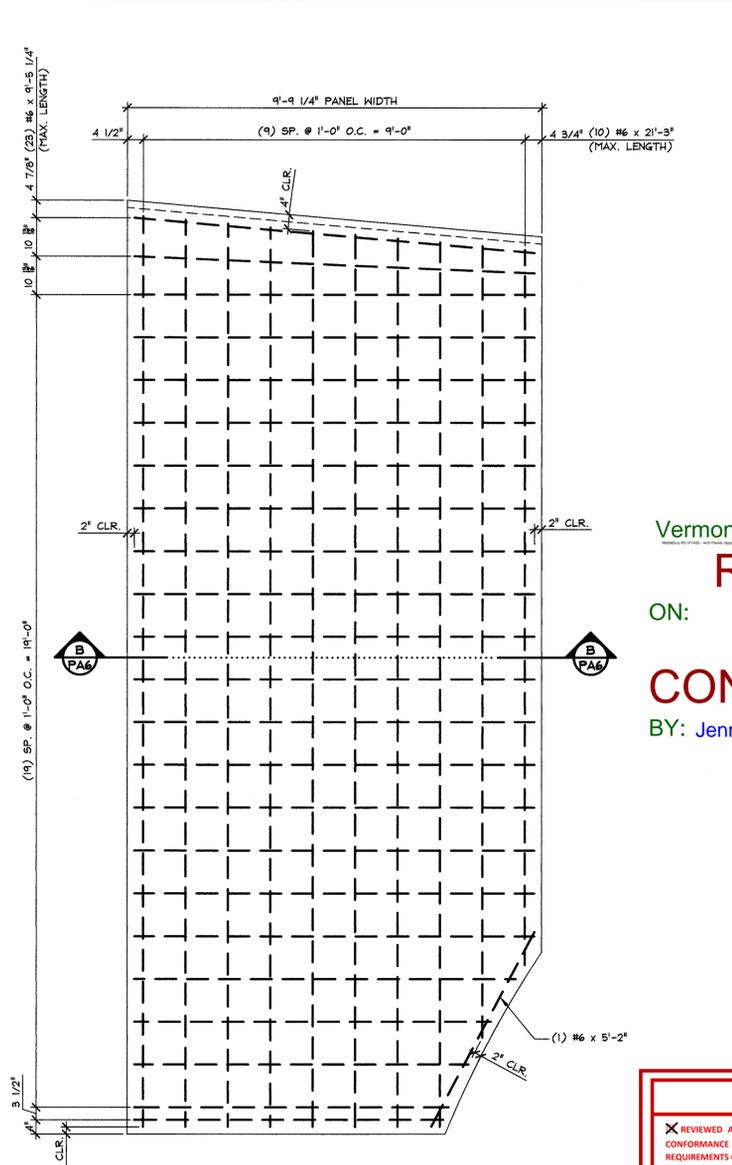
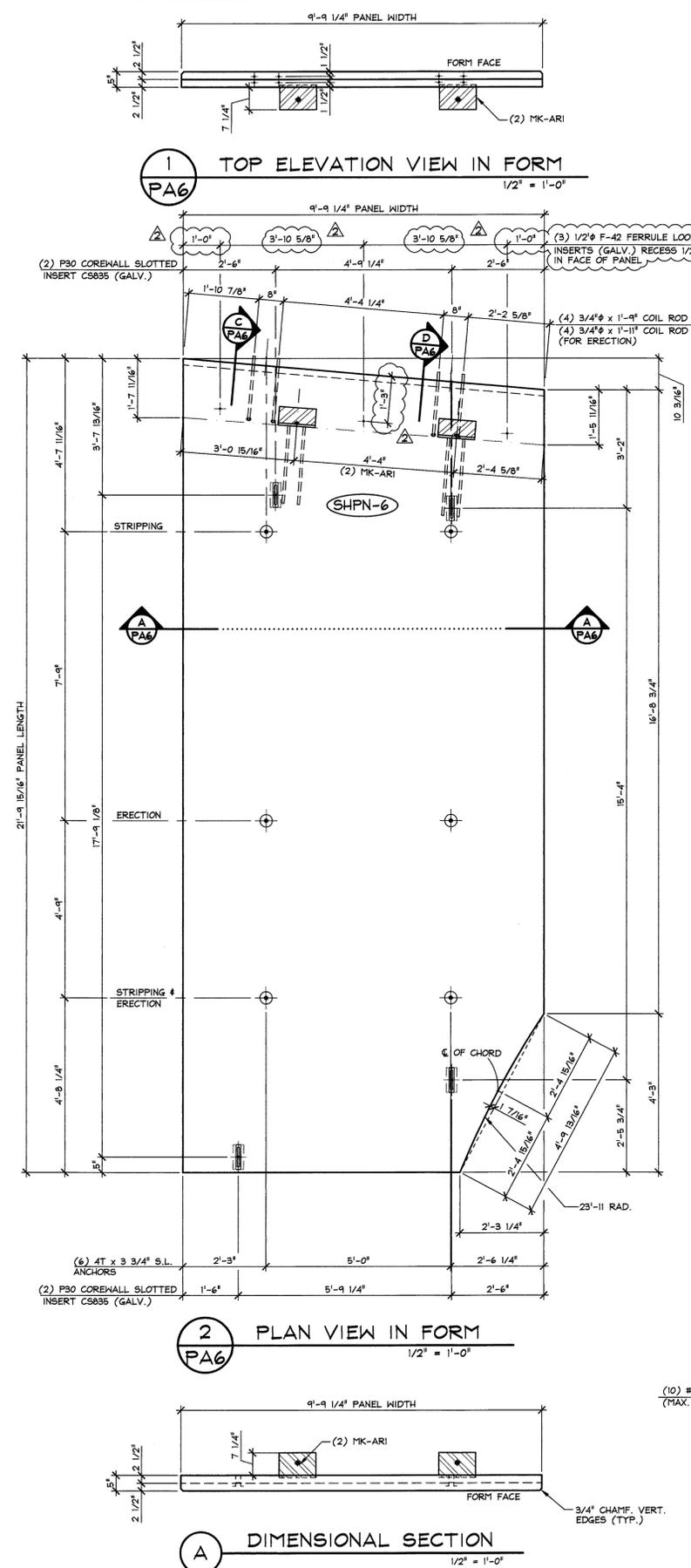
MARK: SHPN-5	QTY.: 1	WT.: 3.43 T	VOL.: 1.69 cy
MATERIAL LIST / ARCHITECTURAL PANEL			
ITEM	MARK	DESCRIPTION	QTY.
1	MK-ARI	4 8 x 6 x 3/4 x 1'-0" LLH W/ ANCHORS (GALV.)	2
2		3/4" x 1'-9" COIL ROD W/ NUT (GALV.)	4
3		3/4" x 1'-11" COIL ROD W/ NUT (GALV.)	4
4		DAYTON P30 COREHALL CS835 SLOTTED INSERT (GALV.)	4
5		DAYTON 4T x 3 3/4" SWIFT LIFT (BLACK) (WITH RECESS PLUG)	4
6		1/2" F-42 FERRULE LOOP INSERT (GALV.)	3
7			
8			
9		#5 x 2'-0" (LEVEL II, DUAL COATED)	4
10		#4 x 12'-4" (LEVEL II, DUAL COATED)	1
11		#6 x 9'-5 1/4" (LEVEL II, DUAL COATED)	15
12		#6 x 15'-4" (LEVEL II, DUAL COATED)	10
13			
14			
15			

ISSUED FOR PRODUCTION
APR 01 2014
J.P. CARRARA & SONS, INC.
MIDDLEBURY, VT 05753

APPROVAL STAMP:

J.P. CARRARA & SONS INC. Precast & Prestress Manufacturer 2444 CASE ST., 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
TOWN OF MIDDLEBURY ROUTE NO. VT 125, EAST MIDDLEBURY GORGE BRIDGE NO.: 13 PROJECT NO.: RS 0174(8)	CHKD: DFTM: T.D. JOB NO: 23411-013
P/C ARCHITECTURAL PANEL DETAILS	DWG. NO: PA5

3-26-14 GENERAL REVISION T.D.
2-11-14 GENERAL REVISION T.D.



Vermont Agency of Transportation
RECEIVED
 ON: April 2, 2014
 and Checked for
CONFORMANCE
 BY: Jennifer Fitch DATE: 04/04/2014

SHOP DRAWING REVIEW

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VHB Job Number: 57438
 Reviewed By: G.S. Goodrich
 Date: 4/4/2014

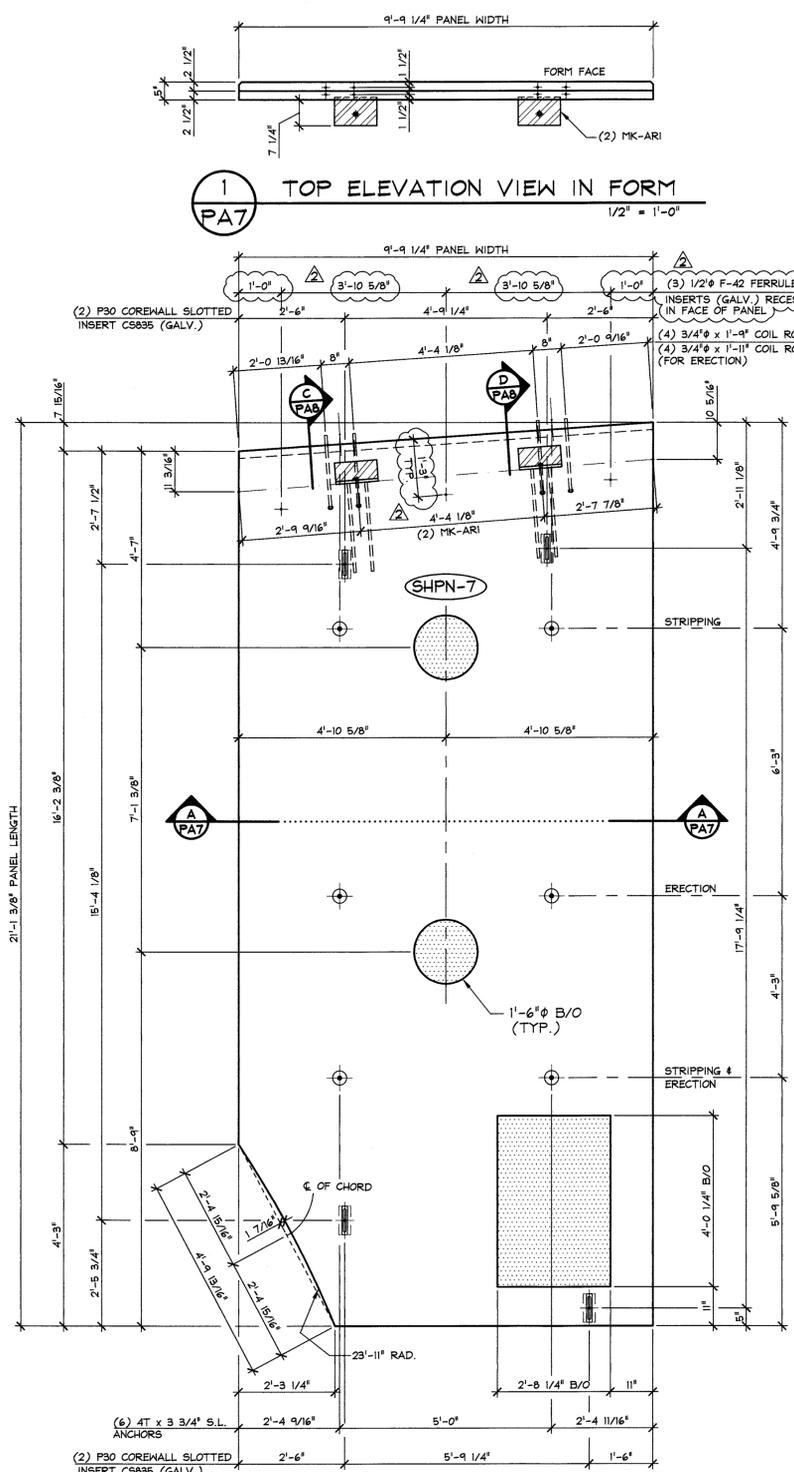
3500 PSI @ RELEASE	5000 PSI @ 28 DAYS
MIX DESIGN: 445MSCC	

MARK: SHPN-6	QTY.: 1	WT.: 6.37 T	VOL.: 3.15 cy
MATERIAL LIST / ARCHITECTURAL PANEL			
ITEM	MARK	DESCRIPTION	QTY.
1	MK-ARI	4 8 x 6 x 3/4 x 1'-0" LLH W/ ANCHORS (GALV.)	2
2		3/4" x 1'-9" COIL ROD W/ NUT (GALV.)	4
3		3/4" x 1'-11" COIL ROD W/ NUT (GALV.)	4
4		DAYTON P30 COREHALL CS835 SLOTTED INSERT (GALV.)	4
5		DAYTON 4T x 3 3/4" SWIFT LIFT (BLACK) (WITH RECESS PLUG)	6
6		1/2" F-42 FERRULE LOOP INSERT (GALV.)	3
7			
8			
9		#5 x 2'-0" (LEVEL II, DUAL COATED)	4
10		#6 x 5'-2" (LEVEL II, DUAL COATED)	1
11		#6 x 9'-5 1/4" (LEVEL II, DUAL COATED)	23
12		#6 x 21'-3" (LEVEL II, DUAL COATED)	10
13			
14			
15			

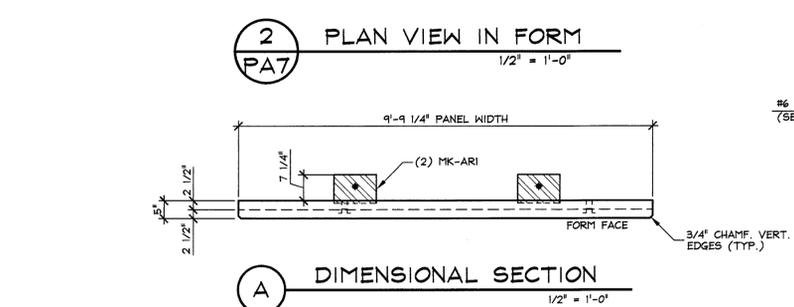
ISSUED FOR PRODUCTION
 APR 01 2014
 J.P. CARRARA & SONS, INC.
 MIDDLEBURY, VT 05753

APPROVAL STAMP:

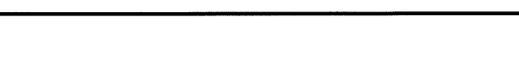
J.P. CARRARA & SONS INC. Precast & Prestress Manufacturer 2464 OISE ST., MIDDLEBURY, VERMONT 05753 Phone: (802)388-6361 Fax: (802)388-9010	T. BUCK CONSTRUCTION CONTRACTOR AUBURN, MAINE
STATE OF VERMONT AGENCY OF TRANSPORTATION COUNTY OF ADDISON	DATE: OCT. 9, 2013 SCALE: NOTED
TOWN OF MIDDLEBURY ROUTE NO. VT 125, EAST MIDDLEBURY GORGE BRIDGE NO.: 13 PROJECT NO.: RS 0174(B)	CHKD: DFTM: T.D. JOB NO: 23411-013
P/C ARCHITECTURAL PANEL DETAILS	DWG. NO: PA6



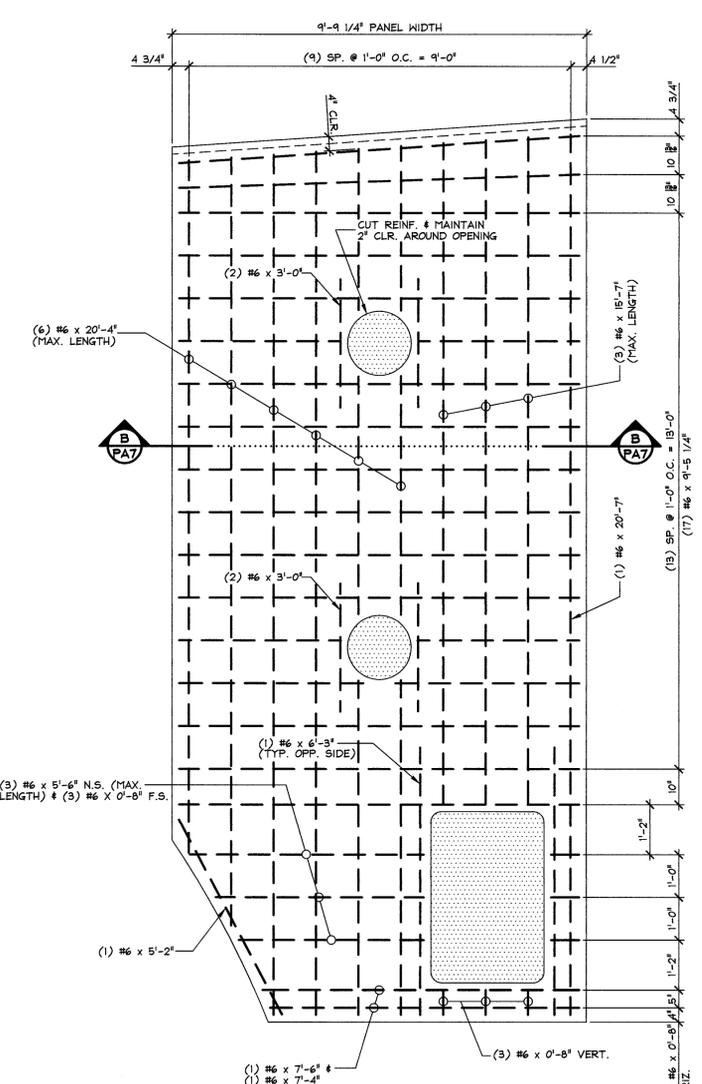
1 TOP ELEVATION VIEW IN FORM
PA7
1/2" = 1'-0"



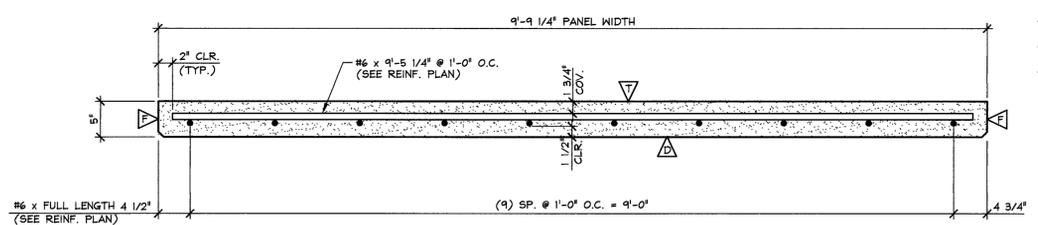
2 PLAN VIEW IN FORM
PA7
1/2" = 1'-0"



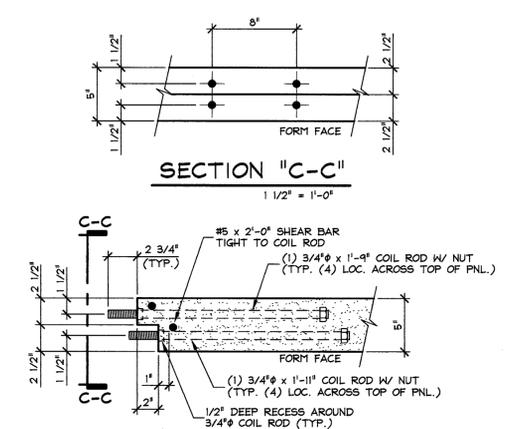
A DIMENSIONAL SECTION
1/2" = 1'-0"



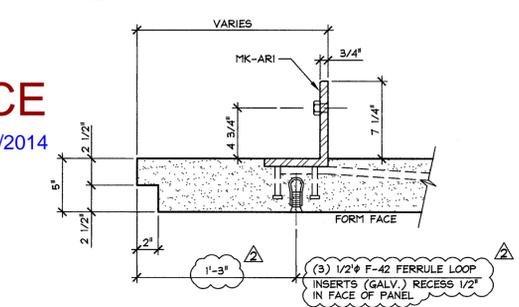
3 REINFORCING PLAN VIEW IN FORM
PA7
1/2" = 1'-0"



B REINFORCING SECTION
1/2" = 1'-0"



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



D TOP EDGE SECTION
1 1/2" = 1'-0"

Vermont Agency of Transportation
RECEIVED
ON: April 2, 2014
and Checked for
CONFORMANCE
BY: Jennifer Fitch DATE: 04/04/2014

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VHB Job Number: 57438
Reviewed By: G.S. Goodrich
Date: 4/4/2014

MATERIAL LIST / ARCHITECTURAL PANEL			
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1	MK-ARI	4 8 x 6 x 3/4 x 1'-0" LLH W/ ANCHORS (GALV.)	2
2		3/4" x 1'-9" COIL ROD W/ NUT (GALV.)	4
3		3/4" x 1'-11" COIL ROD W/ NUT (GALV.)	4
4		DAYTON P30 COREWALL CS835 SLOTTED INSERT (GALV.)	4
5		DAYTON 4T x 3 3/4" SHIFLIFT (BLACK) (WITH RECESS PLUG)	6
6		1/2" F-42 FERRULE LOOP INSERT (GALV.)	3
7		#5 x 2'-0" (LEVEL II, DUAL COATED)	4
8		#6 x 9'-5 1/4" (LEVEL II, DUAL COATED)	17
9		#6 x 20'-7" (LEVEL II, DUAL COATED)	1
10		#6 x 15'-7" (LEVEL II, DUAL COATED)	3
11		#6 x 20'-4" (LEVEL II, DUAL COATED)	6
12		#6 x 5'-2" (LEVEL II, DUAL COATED)	1
13		#6 x 6'-3" (LEVEL II, DUAL COATED)	2
14			
15		#6 x 3'-0" (LEVEL II, DUAL COATED)	4
15		#6 x 7'-4" (LEVEL II, DUAL COATED)	1
15		#6 x 7'-6" (LEVEL II, DUAL COATED)	1
15		#6 x 5'-6" (LEVEL II, DUAL COATED)	3
15		#6 x 0'-8" (LEVEL II, DUAL COATED)	6

- △ = FLOAT FINISH
- △ = DRESSED FINISH PER VT. SECTION 501.16
- △ = FORM FINISH

ISSUED FOR PRODUCTION
APR 01 2014
J.P. CARRARA & SONS, INC.
MIDDLEBURY, VT 05753

APPROVAL STAMP:

J.P. CARRARA & SONS INC. T. BUCK CONSTRUCTION
Precast & Prestress Manufacturer CONTRACTOR
244 OSE STR., MIDDLEBURY, VERMONT 05753 Phone: (802)388-6361 Fax: (802)388-9010 AUBURN, MAINE

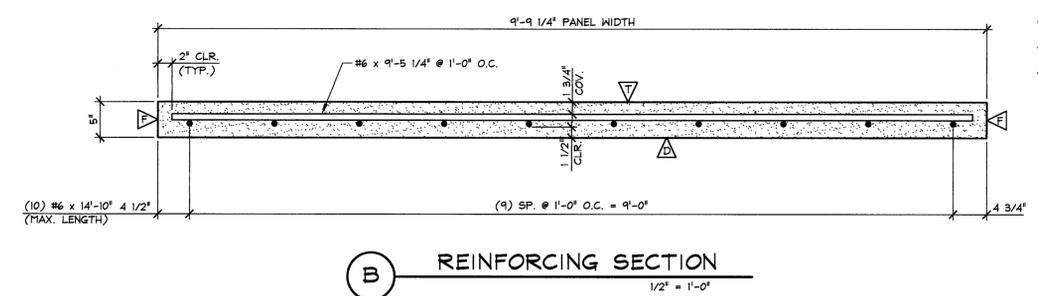
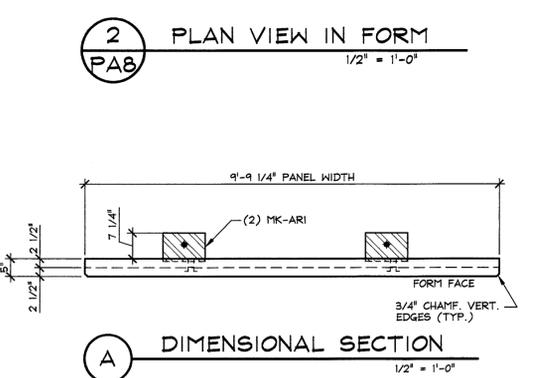
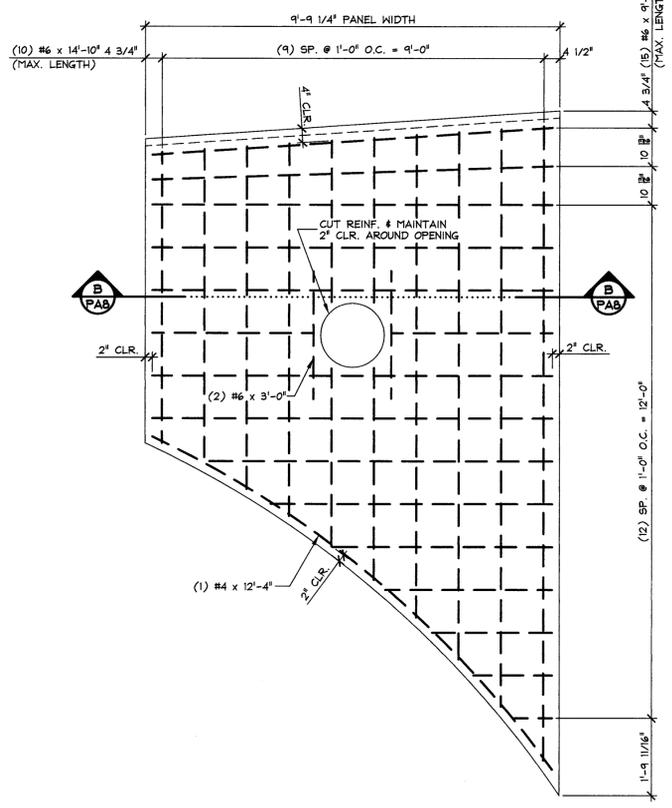
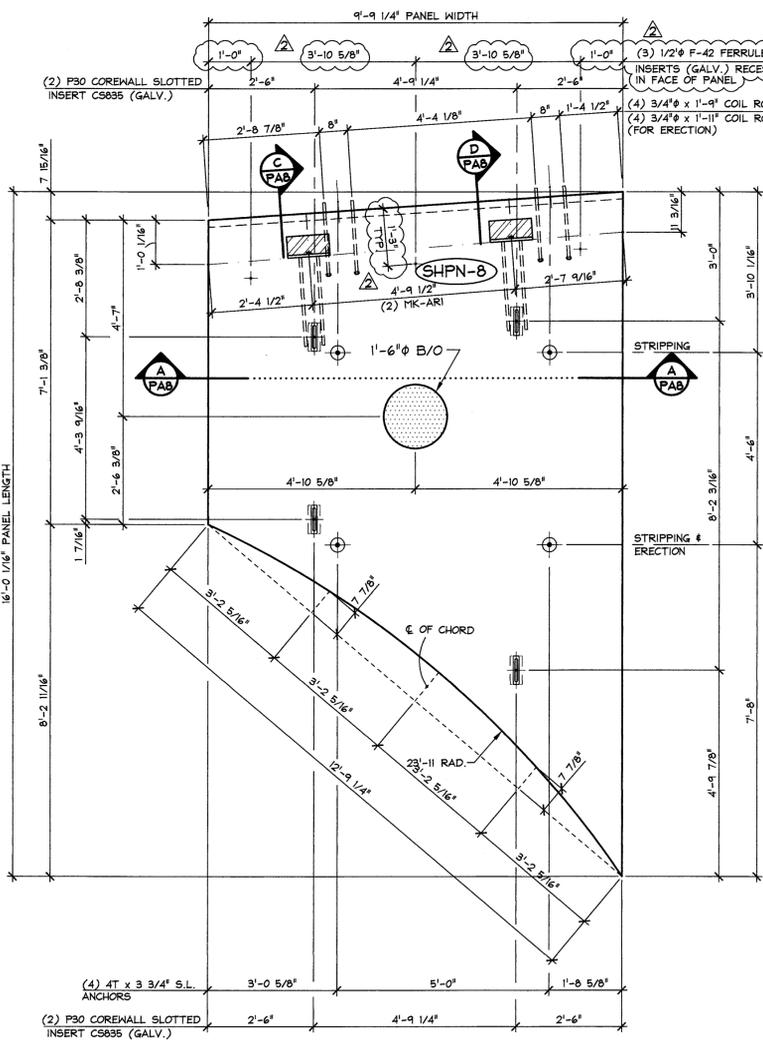
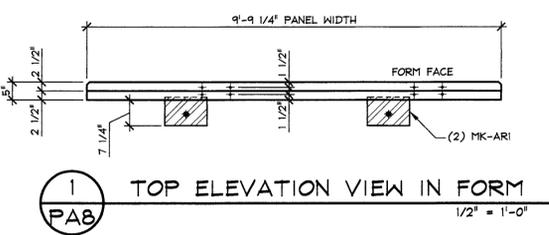
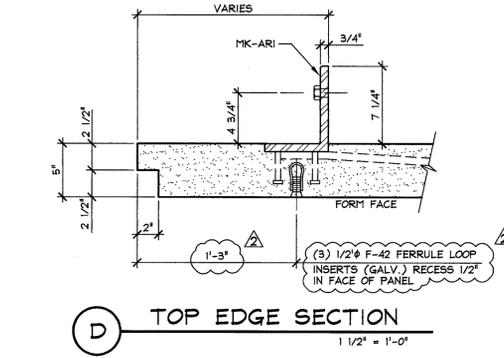
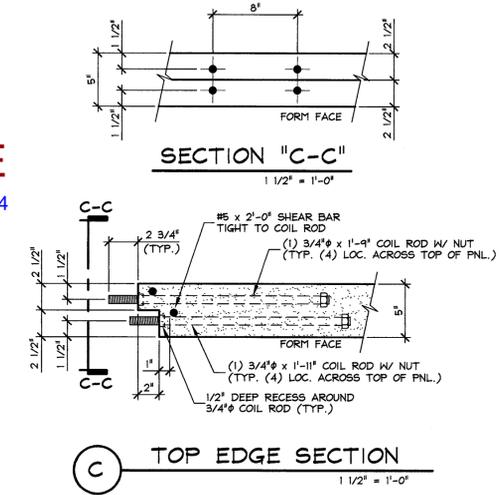
STATE OF VERMONT AGENCY OF TRANSPORTATION COUNTY OF ADDISON DATE: OCT. 9, 2013
SCALE: NOTED

TOWN OF MIDDLEBURY CHKD: DFTM: T.D.
ROUTE NO. VT 125, EAST MIDDLEBURY GORGE PROJECT NO.: RS 0174(8) JOB NO: 23411-013
BRIDGE NO.: 13

P/C ARCHITECTURAL PANEL DETAILS DWG. NO: PA7

- △ 3-26-14 GENERAL REVISION T.D.
- △ 2-11-14 GENERAL REVISION T.D.

Vermont Agency of Transportation
RECEIVED
 ON: April 2, 2014
 and Checked for
CONFORMANCE
 BY: Jennifer Fitch DATE: 04/04/2014



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VHB Job Number: 57438
 Reviewed By: G.S. Goodrich
 Date: 4/4/2014

4500 PSI @ RELEASE		5000 PSI @ 28 DAYS	
MIX DESIGN: 445MSCC			
MARK: SHPN-B	QTY.: 1	WT.: 3.24 T	VOL.: 1.60 cy
MATERIAL LIST / ARCHITECTURAL PANEL			
ITEM	MARK	DESCRIPTION	QTY.
1	MK-ARI	4 8 x 6 x 3/4 x 1'-0" LLH W/ ANCHORS (GALV.)	2
2		3/4" x 1'-9" COIL ROD W/ NUT (GALV.)	4
3		3/4" x 1'-11" COIL ROD W/ NUT (GALV.)	4
4		DAYTON P30 COREWALL CS835 SLOTTED INSERT (GALV.)	4
5		DAYTON 4T x 3 3/4" SWIFT LIFT (BLACK) (WITH RECESS PLUG)	4
6		1/2" F-42 FERRULE LOOP INSERT (GALV.)	3
7			
8			
9		#5 x 2'-0" (LEVEL II, DUAL COATED)	4
10		#4 x 12'-4" (LEVEL II, DUAL COATED)	1
11		#6 x 9'-5 1/4" (LEVEL II, DUAL COATED)	15
12		#6 x 14'-10" (LEVEL II, DUAL COATED)	10
13		#6 x 3'-0" (LEVEL II, DUAL COATED)	2
14			
15			

ISSUED FOR PRODUCTION
 APR 01 2014
 J.P. CARRARA & SONS, INC.
 MIDDLEBURY, VT 05753

APPROVAL STAMP:
 J.P. CARRARA & SONS INC.
 Precast & Prestress Manufacturer
 2464 OASE STR. MIDDLEBURY, VERMONT 05753 Phone: (802)388-6361 Fax: (802)388-9010
 STATE OF VERMONT AGENCY OF TRANSPORTATION
 COUNTY OF ADDISON
 TOWN OF MIDDLEBURY
 ROUTE NO. VT 125, EAST MIDDLEBURY GORGE
 BRIDGE NO.: 13 PROJECT NO.: RS 0174(B)
 P/C ARCHITECTURAL PANEL DETAILS

T. BUCK CONSTRUCTION
 CONTRACTOR
 AUBURN, MAINE
 DATE: OCT. 9, 2013
 SCALE: NOTED
 CHKD: DFTM: T.D.
 JOB NO: 23411-013
 DWG. NO: PAB

3-26-14 GENERAL REVISION T.D.
 2-11-14 GENERAL REVISION T.D.

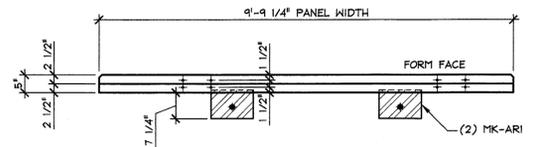
RECEIVED

ON: **April 2, 2014**

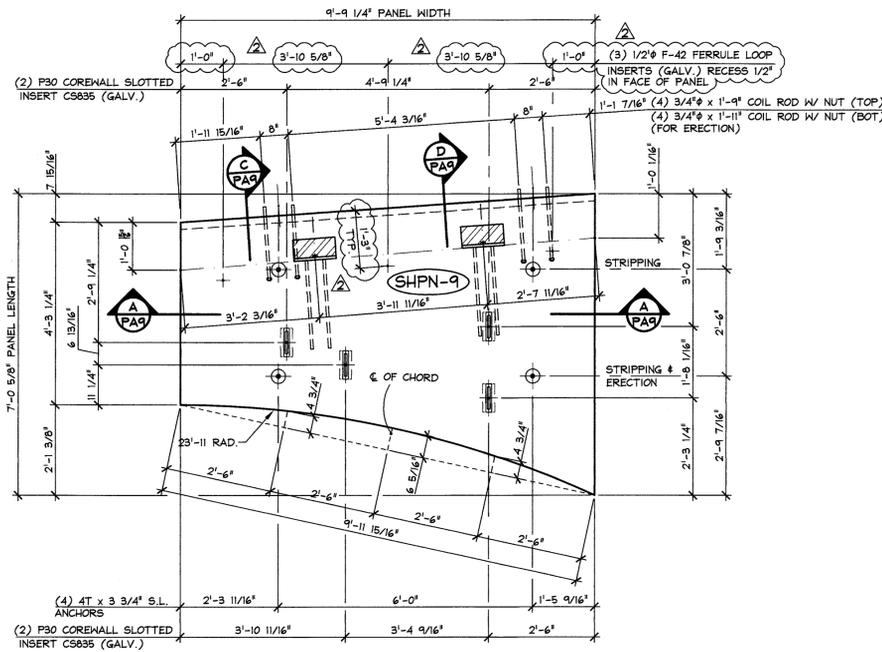
and Checked for

CONFORMANCE

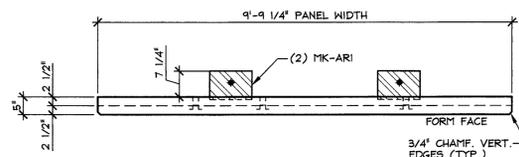
BY: Jennifer Fitch DATE: 04/04/2014



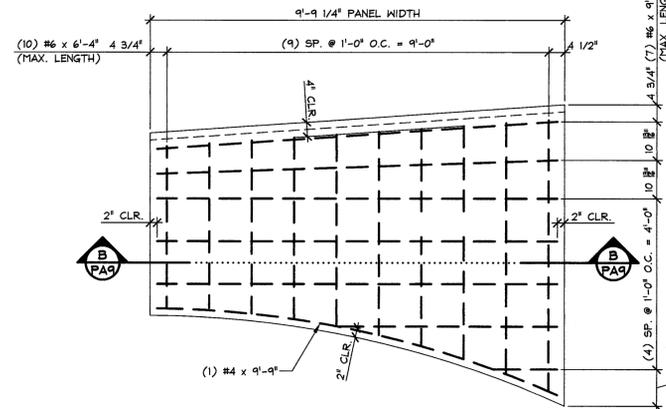
1 TOP ELEVATION VIEW IN FORM
PA9 1/2" = 1'-0"



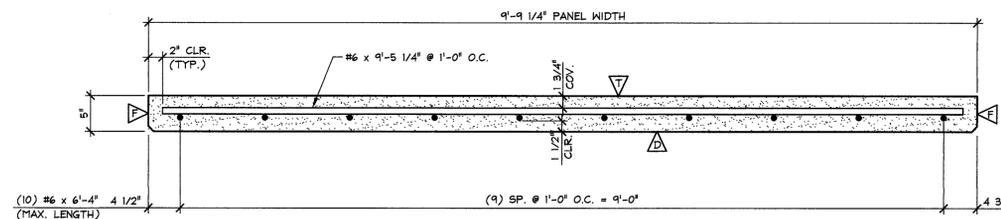
2 PLAN VIEW IN FORM
PA9 1/2" = 1'-0"



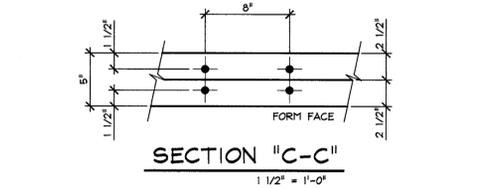
A DIMENSIONAL SECTION
1/2" = 1'-0"



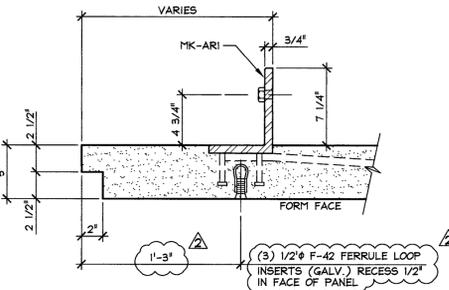
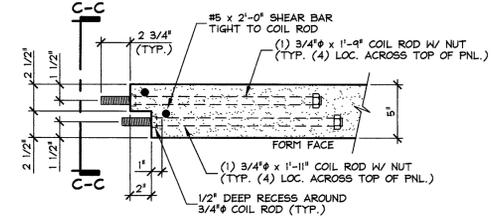
3 REINFORCING PLAN VIEW IN FORM
PA9 1/2" = 1'-0"



B REINFORCING SECTION
1/2" = 1'-0"



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



D TOP EDGE SECTION
1/2" = 1'-0"

SHOP DRAWING REVIEW

REVIEWED AS REQUIRED BY THE CONSTRUCTION CONTRACT DOCUMENTS AND APPROVED, BUT ONLY FOR CONFORMANCE TO THE DESIGN CONCEPT OF THE WORK, AND SUBJECT TO FURTHER LIMITATIONS AND REQUIREMENTS CONTAINED IN THE CONSTRUCTION CONTRACT DOCUMENTS.
 REJECTED REVISE AND RESUBMIT FURNISH AS CORRECTED

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VHB Job Number: 57438
 Reviewed By: G.S. Goodrich
 Date: 4/4/2014

3500 PSI @ RELEASE
5000 PSI @ 28 DAYS
MIX DESIGN: 445MSCC

MARK: SHPN-9	QTY.: 1	WT.: 1.62 T	VOL.: 0.8 cy
MATERIAL LIST / ARCHITECTURAL PANEL			
ITEM	MARK	DESCRIPTION	QTY.
1	MK-ARI	4 8 x 6 x 3/4 x 1'-0" LLH W/ ANCHORS (GALV.)	2
2		3/4" x 1'-9" COIL ROD W/ NUT (GALV.)	4
3		3/4" x 1'-11" COIL ROD W/ NUT (GALV.)	4
4		DAYTON P30 COREWALL CS835 SLOTTED INSERT (GALV.)	4
5		DAYTON 4T x 3 3/4" SWIFT LIFT (BLACK) (WITH RECESS PLUG)	4
6		1/2" F-42 FERRULE LOOP INSERT (GALV.)	3
7			
8			
9		#5 x 2'-0" (LEVEL II, DUAL COATED)	4
10		#4 x 9'-9" (LEVEL II, DUAL COATED)	1
11		#6 x 9'-5 1/4" (LEVEL II, DUAL COATED)	7
12		#6 x 6'-4" (LEVEL II, DUAL COATED)	10
13			
14			
15			

ISSUED FOR PRODUCTION
APR 01 2014
J.P. CARRARA & SONS, INC.
MIDDLEBURY, VT 05753

APPROVAL STAMP:

J.P. CARRARA & SONS INC.
Precast & Prestress Manufacturer
2484 CASE ST., 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

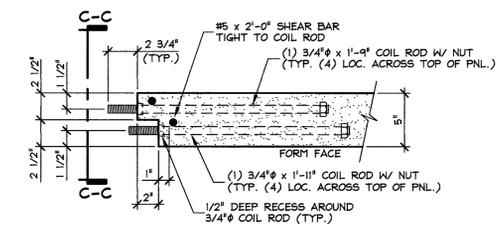
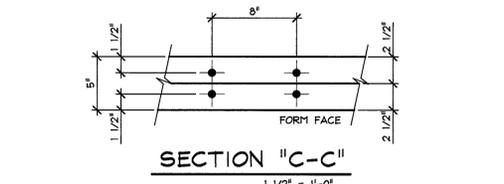
TOWN OF MIDDLEBURY
ROUTE NO. VT 125, EAST MIDDLEBURY GORGE
BRIDGE NO.: 13 PROJECT NO.: RS 0174(B)

CHKD: DFTM: T.D.
JOB NO: 23411-013

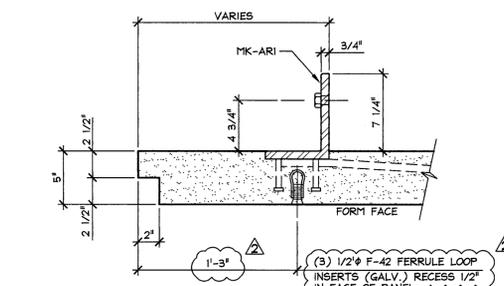
P/C ARCHITECTURAL PANEL DETAILS DWG. NO: PA9

3-26-14 GENERAL REVISION T.D.
2-11-14 GENERAL REVISION T.D.

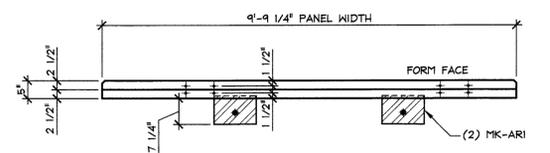
RECEIVED
 ON: **April 2, 2014**
 and Checked for
CONFORMANCE
 BY: Jennifer Fitch DATE: 04/04/2014



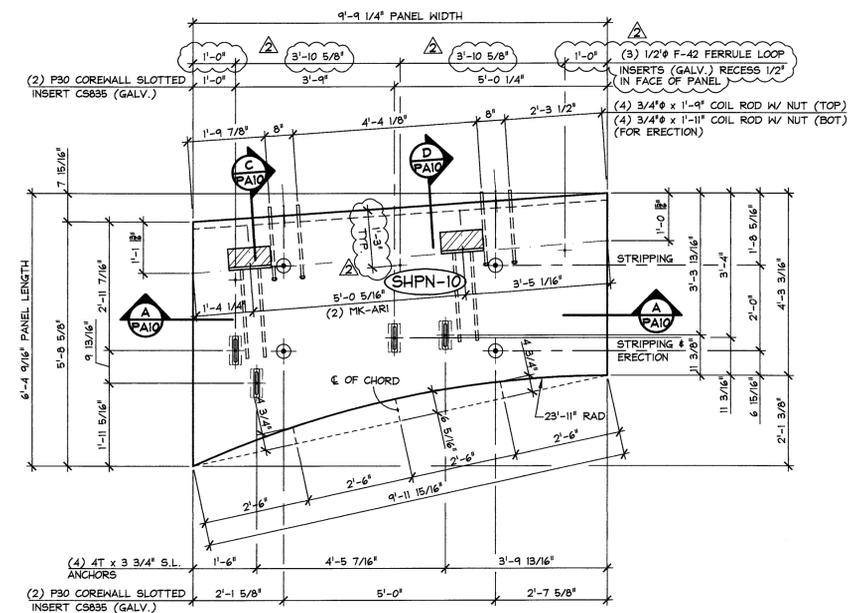
C TOP EDGE SECTION
 1 1/2" = 1'-0"



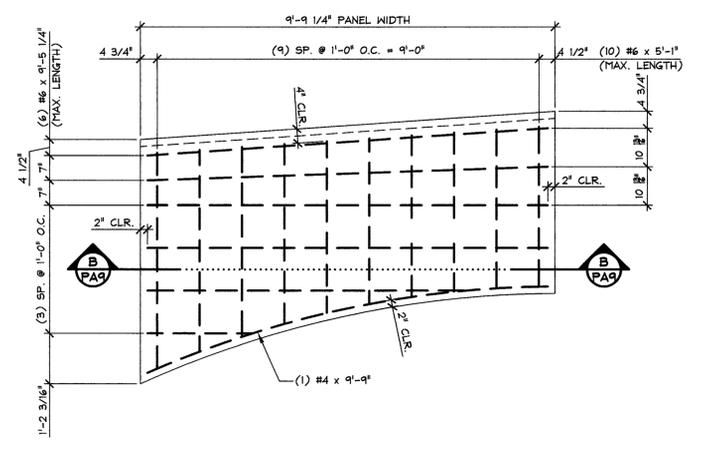
D TOP EDGE SECTION
 1 1/2" = 1'-0"



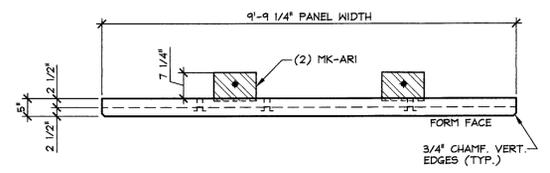
1 TOP ELEVATION VIEW IN FORM
 PA10
 1/2" = 1'-0"



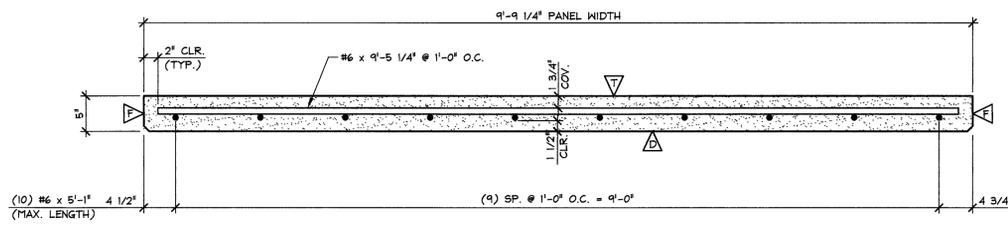
2 PLAN VIEW IN FORM
 PA10
 1/2" = 1'-0"



3 REINFORCING PLAN VIEW IN FORM
 PA10
 1/2" = 1'-0"



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



B REINFORCING SECTION
 1/2" = 1'-0"

3500 PSI @ RELEASE
 5000 PSI @ 28 DAYS
 MIX DESIGN: 44BMSCC

MARK: SHPN-10	QTY.: 1	WT.: 1.41 T	VOL.: 0.7 cy
MATERIAL LIST / ARCHITECTURAL PANEL			
ITEM	MARK	DESCRIPTION	QTY.
1	MK-ARI	4 B x 6 x 3/4 x 1'-0" LLH W/ ANCHORS (GALV.)	2
2		3/4" x 1'-9" COIL ROD W/ NUT (GALV.)	4
3		3/4" x 1'-11" COIL ROD W/ NUT (GALV.)	4
4		DAYTON P30 CORENALL C5835 SLOTTED INSERT (GALV.)	4
5		DAYTON 4T x 3 3/4" SWIFT LIFT (BLACK) (WITH RECESS PLUG)	4
6		1/2" F-42 FERRULE LOOP INSERT (GALV.)	3
7			
8			
9		#5 x 2'-0" (LEVEL II, DUAL COATED)	4
10		#4 x 9'-9" (LEVEL II, DUAL COATED)	1
11		#6 x 9'-5 1/4" (LEVEL II, DUAL COATED)	6
12		#6 x 5'-1" (LEVEL II, DUAL COATED)	10
13			
14			
15			

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 J.P. CARRARA & SONS, INC.
 MIDDLEBURY, VT 05753

SHOP DRAWING REVIEW

REVIEWED AS REQUIRED BY THE CONSTRUCTION CONTRACT DOCUMENTS AND APPROVED, BUT ONLY FOR CONFORMANCE TO THE DESIGN CONCEPT OF THE WORK, AND SUBJECT TO FURTHER LIMITATIONS AND REQUIREMENTS CONTAINED IN THE CONSTRUCTION CONTRACT DOCUMENTS.

REJECTED REVISE AND RESUBMIT FURNISH AS CORRECTED

CORRECTIONS OR COMMENTS MADE ON THE SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLIANCE WITH REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS. THIS CHECK IS ONLY FOR REVIEW OF GENERAL CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND GENERAL COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR: CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.

VHB Job Number: 57438
 Reviewed By: G.S. Goodrich
 Date: 4/4/2014

APPROVAL STAMP:

J.P. CARRARA & SONS INC. Precast & Prestress Manufacturer 2464 CASE ST., MIDDLEBURY, VERMONT 05753 Phone: (802)388-6361 Fax: (802)388-8010	T. BUCK CONSTRUCTION CONTRACTOR AUBURN, MAINE
STATE OF VERMONT AGENCY OF TRANSPORTATION COUNTY OF ADDISON	DATE: OCT. 9, 2013 SCALE: NOTED
TOWN OF MIDDLEBURY ROUTE NO. VT 125, EAST MIDDLEBURY GORGE BRIDGE NO.: 13 PROJECT NO.: RS 0174(B)	CHKD: DFTM: T.D. JOB NO: 23411-013
P/C ARCHITECTURAL PANEL DETAILS	DWG. NO: PA10

3-26-14 GENERAL REVISION T.D.
 2-11-14 GENERAL REVISION T.D.

Vermont Agency of Transportation

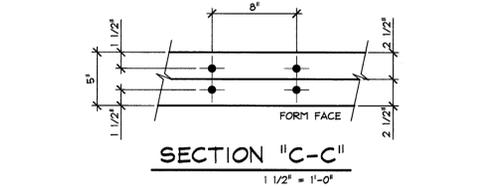
RECEIVED

ON: **April 2, 2014**

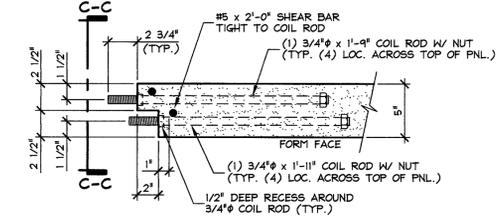
and Checked for

CONFORMANCE

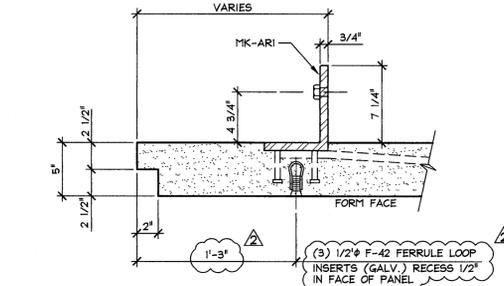
BY: **Jennifer Fitch** DATE: **04/04/2014**



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



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



D TOP EDGE SECTION
1/2" = 1'-0"

4500 PSI @ RELEASE
5000 PSI @ 28 DAYS
MIX DESIGN: 445MSCC

SHOP DRAWING REVIEW

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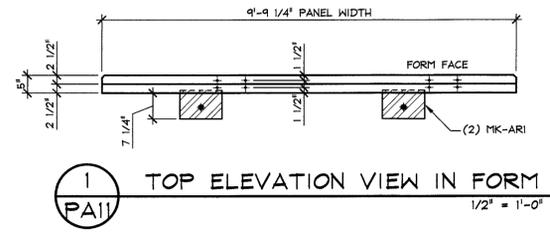
VHB Job Number: 57438
 Reviewed By: G.S. Goodrich
 Date: 4/4/2014

MARK: SHPN-II	QTY.: 1	WT.: 2.62 T	VOL.: 1.30 cy
MATERIAL LIST / ARCHITECTURAL PANEL			
ITEM	MARK	DESCRIPTION	QTY.
1	MK-ARI	4 8 x 6 x 3/4 x 1'-0" LLH W/ ANCHORS (GALV.)	2
2		3/4" x 1'-9" COIL ROD W/ NUT (GALV.)	4
3		3/4" x 1'-11" COIL ROD W/ NUT (GALV.)	4
4		DAYTON P30 COREWALL CS635 SLOTTED INSERT (GALV.)	4
5		DAYTON 4T x 3 3/4" SWIFT LIFT (BLACK) (WITH RECESS PLUG)	4
6		1/2" F-42 FERRULE LOOP INSERT (GALV.)	3
7			
8			
9		#5 x 2'-0" (LEVEL II, DUAL COATED)	4
10		#4 x 12'-4" (LEVEL II, DUAL COATED)	1
11		#6 x 9'-5 1/4" (LEVEL II, DUAL COATED)	13
12		#6 x 12'-2" (LEVEL II, DUAL COATED)	10
13			
14			
15			

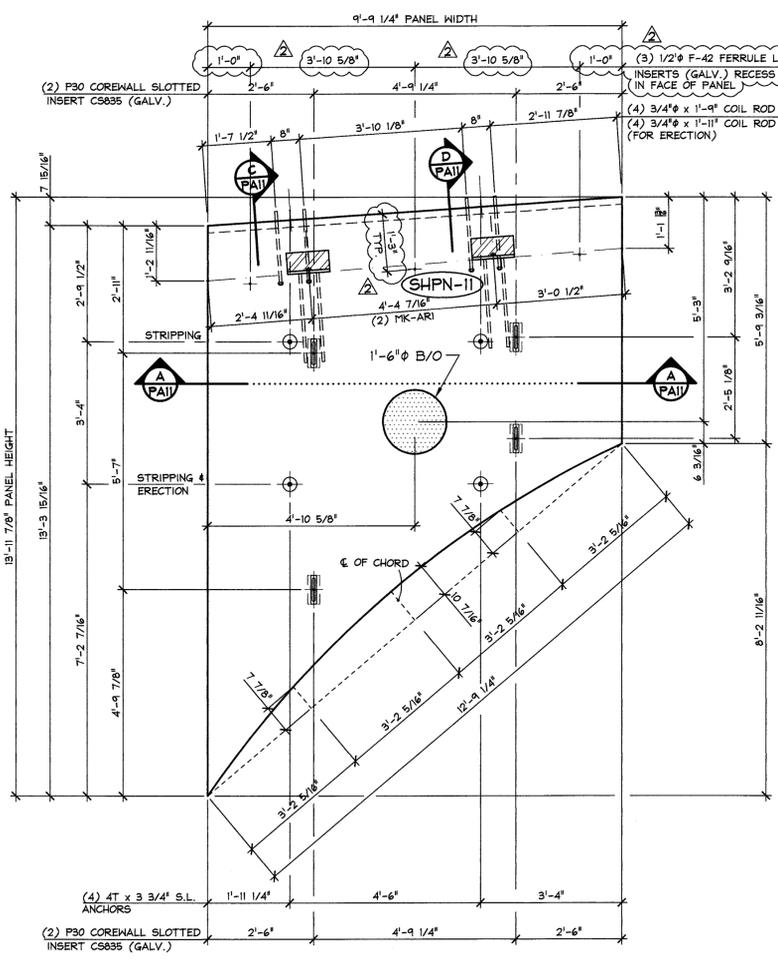
ISSUED FOR PRODUCTION
APR 01 2014
J.P. CARRARA & SONS, INC.
MIDDLEBURY, VT 05753

APPROVAL STAMP:

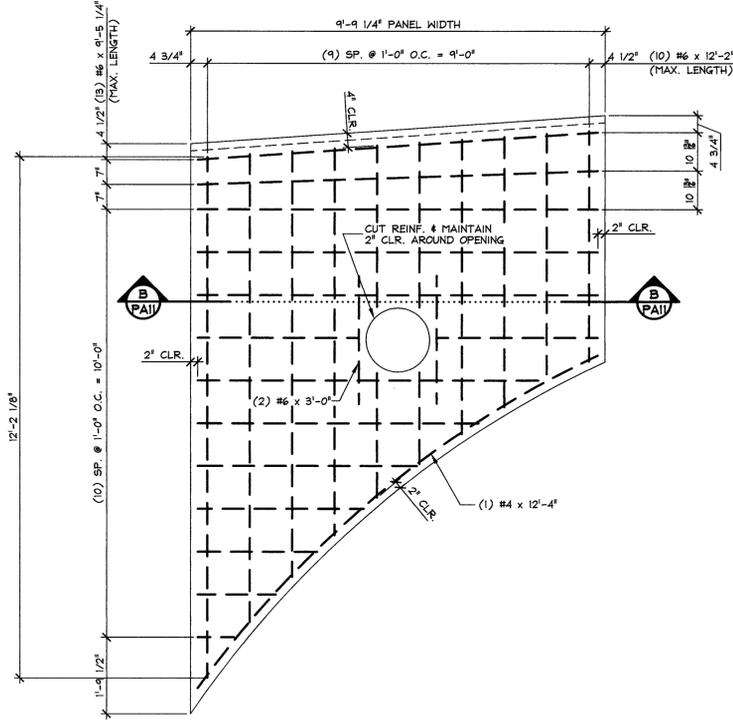
J.P. CARRARA & SONS INC. Precast & Prestress Manufacturer 2464 OISE STR., MIDDLEBURY, VERMONT 05753 Phone: (802)388-6361 Fax: (802)388-9010	T. BUCK CONSTRUCTION CONTRACTOR AUBURN, MAINE
STATE OF VERMONT AGENCY OF TRANSPORTATION COUNTY OF ADDISON	DATE: OCT. 9, 2013 SCALE: NOTED
TOWN OF MIDDLEBURY ROUTE NO. VT 125, EAST MIDDLEBURY GORGE BRIDGE NO.: 13	CHKD: DFTM: T.D. JOB NO: 23411-013
P/C ARCHITECTURAL PANEL DETAILS	DWG. NO: PA11



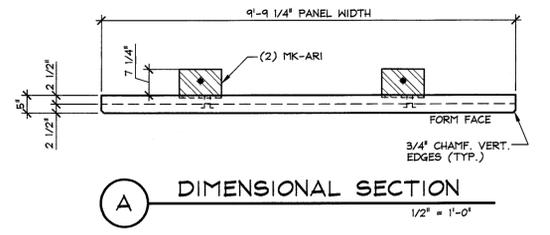
1 TOP ELEVATION VIEW IN FORM
PA11
1/2" = 1'-0"



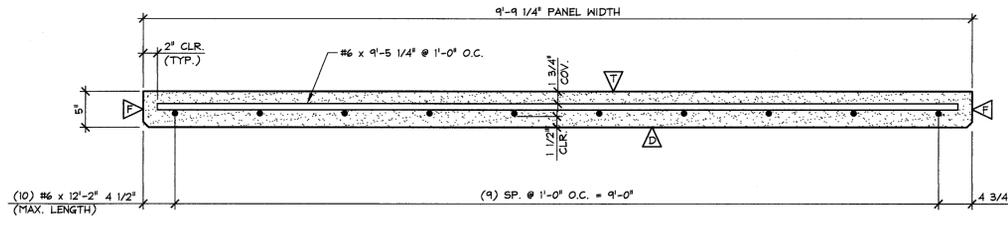
2 PLAN VIEW IN FORM
PA11
1/2" = 1'-0"



3 REINFORCING PLAN VIEW IN FORM
PA11
1/2" = 1'-0"



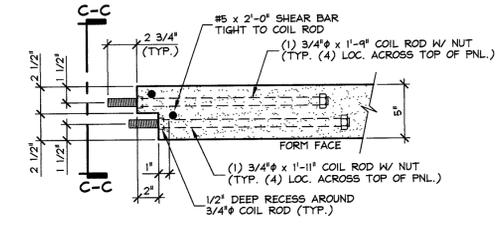
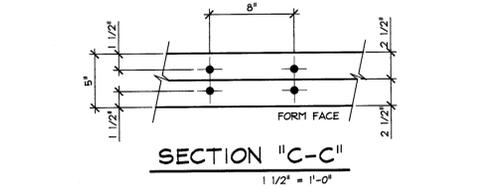
A DIMENSIONAL SECTION
PA11
1/2" = 1'-0"



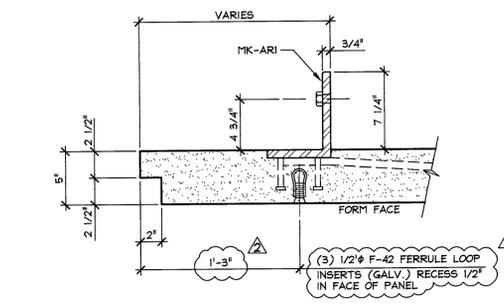
B REINFORCING SECTION
PA11
1/2" = 1'-0"

3-26-14 GENERAL REVISION T.D.
2-11-14 GENERAL REVISION T.D.

RECEIVED
 ON: **April 2, 2014**
 and Checked for
CONFORMANCE
 BY: Jennifer Fitch DATE: 04/04/2014

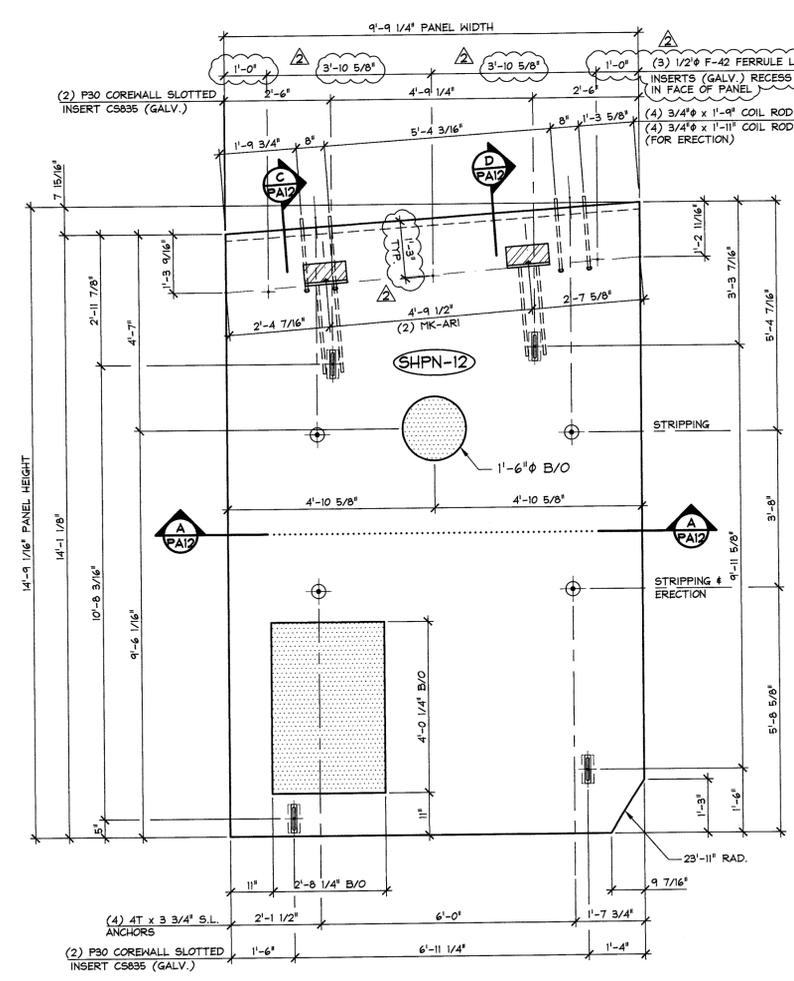
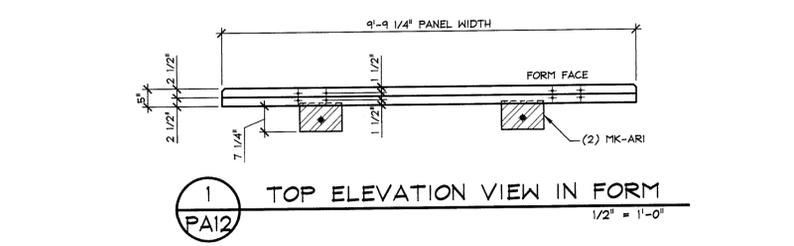


C TOP EDGE SECTION
 1 1/2" = 1'-0"

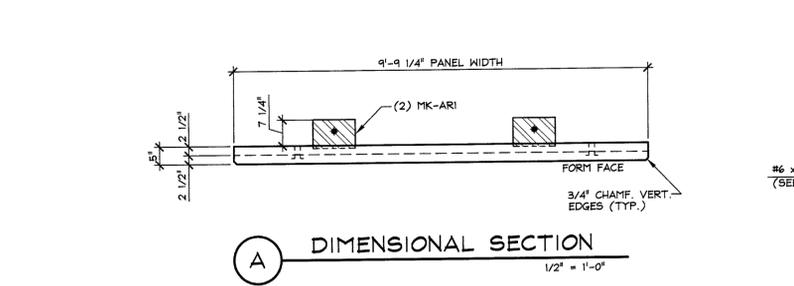


D TOP EDGE SECTION
 1 1/2" = 1'-0"

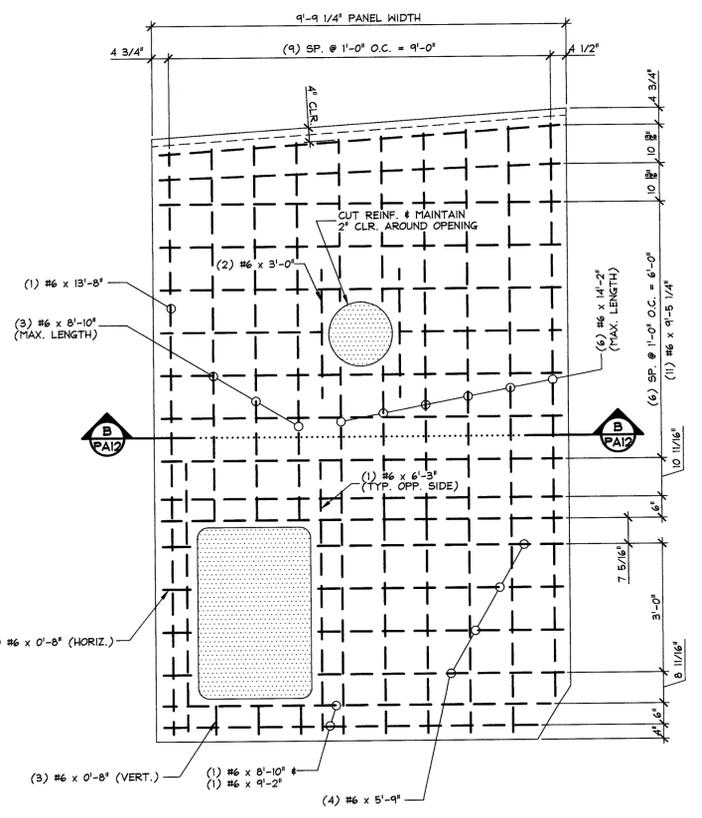
4500 PSI @ RELEASE
 5000 PSI @ 28 DAYS
 MIX DESIGN: 4#M5CC



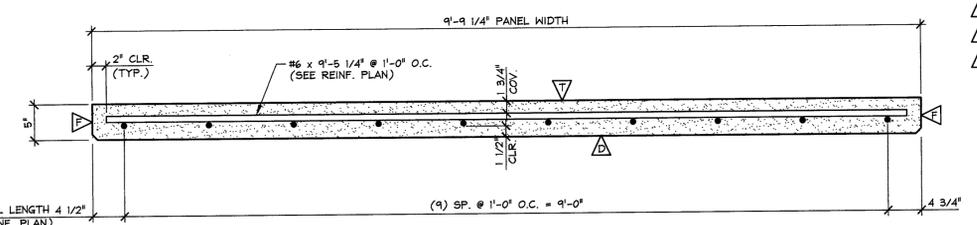
2 PLAN VIEW IN FORM
 PAI2
 1/2" = 1'-0"



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



3 REINFORCING PLAN VIEW IN FORM
 PAI2
 1/2" = 1'-0"



B REINFORCING SECTION
 1/2" = 1'-0"

SHOP DRAWING REVIEW

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VHB Job Number: 57438
 Reviewed By: G.S. Goodrich
 Date: 4/4/2014

△ = FLOAT FINISH
 ▽ = DRESSED FINISH PER VT. SECTION E01.16
 ▽ = FORM FINISH

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 APR 01 2014
 J.P. CARRARA & SONS, INC.
 MIDDLEBURY, VT 05753

MATERIAL LIST / ARCHITECTURAL PANEL				
ITEM	MARK	DESCRIPTION	QTY.	
1	MK-ARI	4 8 x 6 x 3/4 x 1'-0" LLH W/ ANCHORS (GALV.)	2	
2		3/4" x 1'-9" COIL ROD W/ NUT (GALV.)	4	
3		3/4" x 1'-11" COIL ROD W/ NUT (GALV.)	4	
4		DAYTON P30 CORENALL C5835 SLOTTED INSERT (GALV.)	4	
5		DAYTON 4T x 3 3/4" SWIFT LIFT (BLACK) (WITH RECESS PLUG)	4	
6	PAI2	1/2" F-42 FERRULE LOOP INSERT (GALV.)	3	
7		#5 x 2'-0" (LEVEL II, DUAL COATED)	4	
8		#6 x 9'-5 1/4" (LEVEL II, DUAL COATED)	11	
9		#6 x 13'-8" (LEVEL II, DUAL COATED)	1	
10		#6 x 8'-10" (LEVEL II, DUAL COATED)	3	
11		#6 x 14'-2" (LEVEL II, DUAL COATED)	6	
12				
13		#6 x 6'-3" (LEVEL II, DUAL COATED)	2	
14				
15		#6 x 3'-0" (LEVEL II, DUAL COATED)	2	
15		#6 x 8'-10" (LEVEL II, DUAL COATED)	1	
15		#6 x 9'-2" (LEVEL II, DUAL COATED)	1	
15		#6 x 5'-4" (LEVEL II, DUAL COATED)	4	
15		#6 x 0'-8" (LEVEL II, DUAL COATED)	7	

APPROVAL STAMP:

J.P. CARRARA & SONS INC.
 Precast & Prestress Manufacturer
 2464 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

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

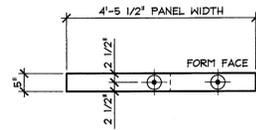
P/C ARCHITECTURAL PANEL DETAILS

DATE: OCT. 9, 2013
 SCALE: NOTED
 CHKD: DFTM: T.D.
 JOB NO: 23411-013
 DWG. NO: PAI2

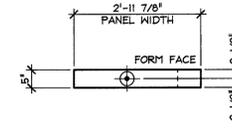
3-26-14 GENERAL REVISION T.D.
 2-11-14 GENERAL REVISION T.D.

RECEIVED
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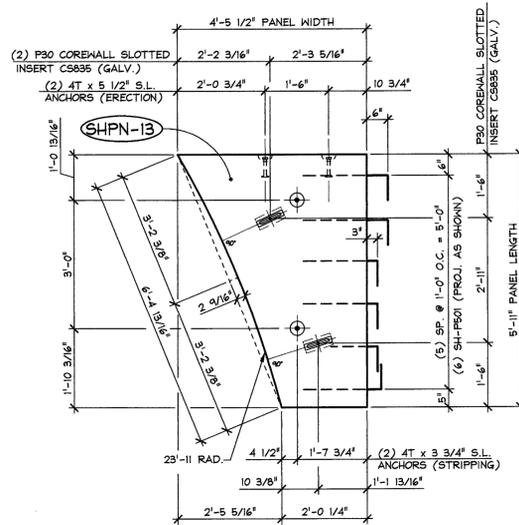
BY: Jennifer Fitch DATE: 04/04/2014



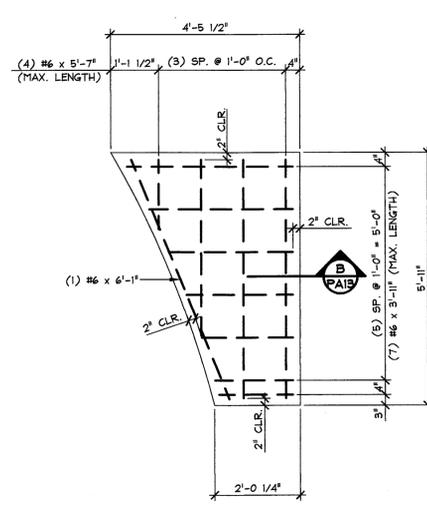
1 TOP ELEV. VIEW IN FORM
 PA13 1/2" = 1'-0"



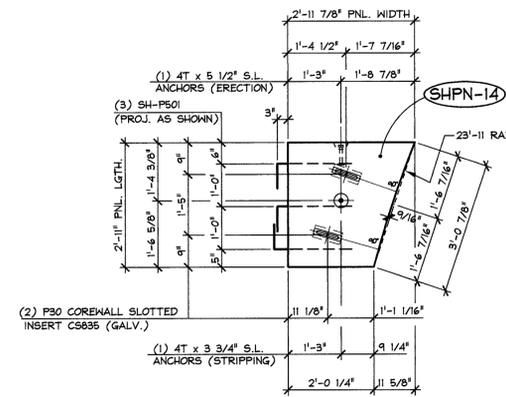
4 TOP ELEV. VIEW IN FORM
 PA13 1/2" = 1'-0"



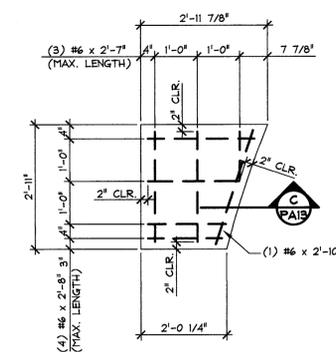
2 PLAN VIEW IN FORM
 PA13 1/2" = 1'-0"



3 REINF. PLAN VIEW IN FORM
 PA13 1/2" = 1'-0"

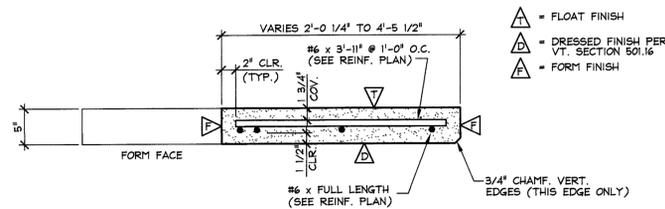


5 PLAN VIEW IN FORM
 PA13 1/2" = 1'-0"

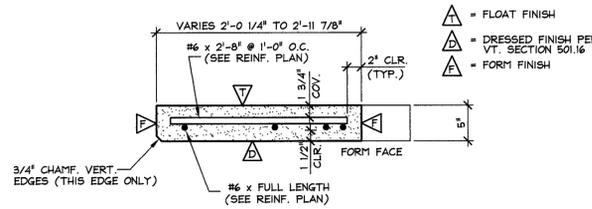


6 REINF. PLAN VIEW IN FORM
 PA13 1/2" = 1'-0"

3500 PSI @ RELEASE
 5000 PSI @ 28 DAYS
 MIX DESIGN: 446M9CC



B REINFORCING SECTION
 1" = 1'-0"



C REINFORCING SECTION
 1" = 1'-0"

MARK	QTY.	WT.	VOL.
MARK: SHPN-13	1	.57 T	.28 cy
MARK: SHPN-14	1	.23 T	.11 cy

MATERIAL LIST / ARCHITECTURAL PANEL				
ITEM	MARK	DESCRIPTION	PN-13	PN-14
1				
2				
3		DAYTON P30 CORENALL CS835 SLOTTED INSERT (GALV.)	2	2
4		DAYTON 4T x 3 3/4" SWIFT LIFT (BLACK) (WITH RECESS PLUG)	2	1
5		DAYTON 4T x 5 1/2" SWIFT LIFT (BLACK) (WITH RECESS PLUG)	2	2
6				
7		#6 x 5'-7" (LEVEL II, DUAL COATED)	4	
8		#6 x 3'-11" (LEVEL II, DUAL COATED)	7	
9		#6 x 6'-1" (LEVEL II, DUAL COATED)	1	
10		#6 x 2'-7" (LEVEL II, DUAL COATED)		3
11		#6 x 2'-8" (LEVEL II, DUAL COATED)		4
12		#6 x 2'-10" (LEVEL II, DUAL COATED)		1
13				
14	SH-P501	#5 BENT BAR (LEVEL II, DUAL COATED)	6	3
15				
15				
15				
15				

ISSUED FOR PRODUCTION
 APR 01 2014
 J.P. CARRARA & SONS, INC.
 MIDDLEBURY, VT 05753

SHOP DRAWING REVIEW

REVIEWED AS REQUIRED BY THE CONSTRUCTION CONTRACT DOCUMENTS AND APPROVED, BUT ONLY FOR CONFORMANCE TO THE DESIGN CONCEPT OF THE WORK, AND SUBJECT TO FURTHER LIMITATIONS AND REQUIREMENTS CONTAINED IN THE CONSTRUCTION CONTRACT DOCUMENTS.

REJECTED REVISE AND RESUBMIT FURNISH AS CORRECTED

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VHB Job Number: 57438
 Reviewed By: G.S. Goodrich
 Date: 4/4/2014

APPROVAL STAMP:

J.P. CARRARA & SONS INC.
 Precast & Prestress Manufacturer
 2844 ONE STR., MIDDLEBURY, VERMONT 05753 Phone: (802)388-6361 Fax: (802)388-9010

T. BUCK CONSTRUCTION
 CONTRACTOR
 AUBURN, MAINE

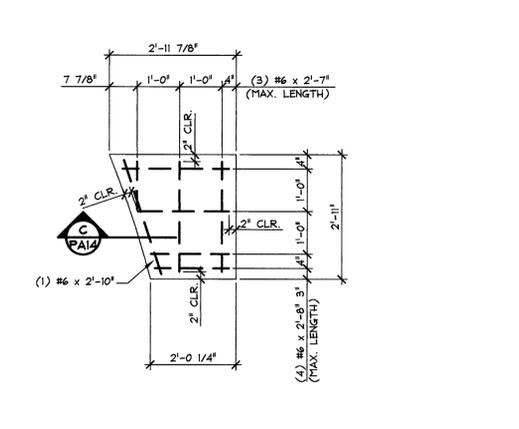
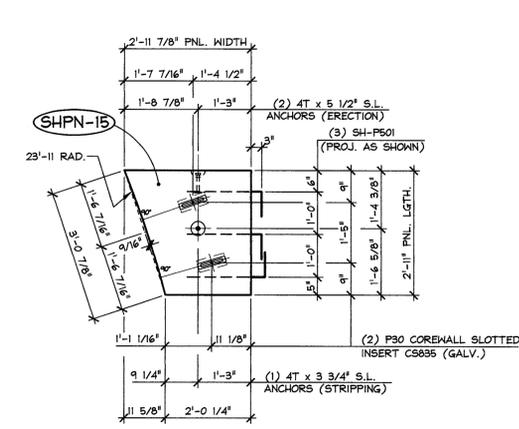
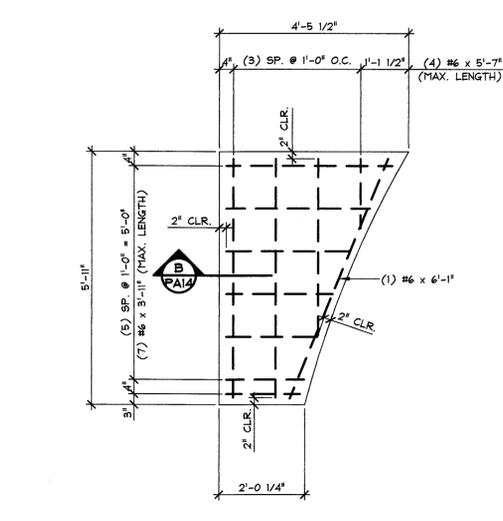
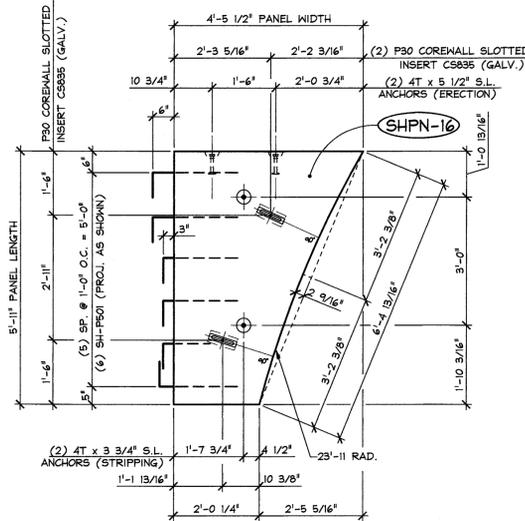
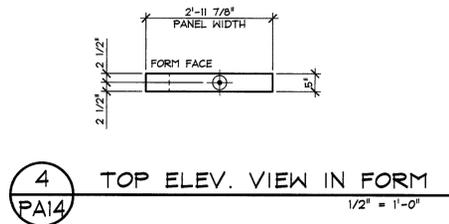
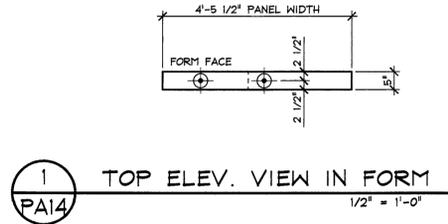
STATE OF VERMONT AGENCY OF TRANSPORTATION
 COUNTY OF ADDISON

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

P/C ARCHITECTURAL PANEL DETAILS

DATE: OCT. 9, 2013
 SCALE: NOTED
 CHKD: DFTM: T.D.
 JOB NO: 23411-013
 DWG. NO: PA13

RECEIVED
 ON: **April 2, 2014**
 and Checked for
CONFORMANCE
 BY: Jennifer Fitch DATE: 04/04/2014



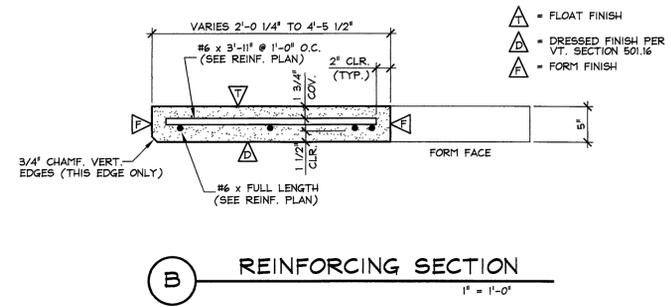
2 PA14 PLAN VIEW IN FORM
1/2" = 1'-0"

3 PA14 REINF. PLAN VIEW IN FORM
1/2" = 1'-0"

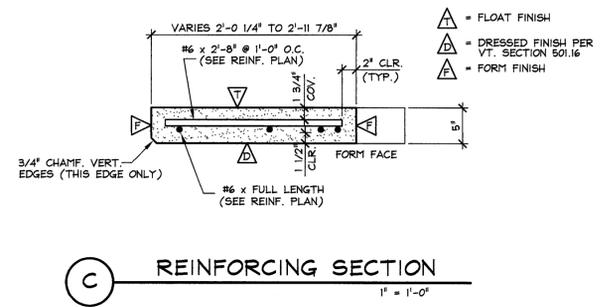
5 PA14 PLAN VIEW IN FORM
1/2" = 1'-0"

6 PA14 REINF. PLAN VIEW IN FORM
1/2" = 1'-0"

3500 PSI @ RELEASE
5000 PSI @ 28 DAYS
MIX DESIGN: 446M5CC



B REINFORCING SECTION
1" = 1'-0"



C REINFORCING SECTION
1" = 1'-0"

MARK: SHPN-16	QTY.: 1	WT.: .57 T	VOL.: .28 cy	
MARK: SHPN-15	QTY.: 1	WT.: .23 T	VOL.: .11 cy	
MATERIAL LIST / ARCHITECTURAL PANEL				
ITEM	MARK	DESCRIPTION	PN-16	PN-15
1				
2				
3		DAYTON P30 COREMALL CS835 SLOTTED INSERT (GALV.)	2	2
4		DAYTON 4T x 3 3/4" SWIFT LIFT (BLACK) (WITH RECESS PLUG)	2	1
5		DAYTON 4T x 5 1/2" SWIFT LIFT (BLACK) (WITH RECESS PLUG)	2	2
6				
7		#6 x 5'-7" (LEVEL II, DUAL COATED)	4	
8		#6 x 3'-11" (LEVEL II, DUAL COATED)	7	
9		#6 x 6'-1" (LEVEL II, DUAL COATED)	1	
10		#6 x 2'-7" (LEVEL II, DUAL COATED)		3
11		#6 x 2'-8" (LEVEL II, DUAL COATED)		4
12		#6 x 2'-10" (LEVEL II, DUAL COATED)		1
13				
14	SH-P501	#5 BENT BAR (LEVEL II, DUAL COATED)	6	3
15				
15				
15				
15				
15				

ISSUED FOR PRODUCTION
 APR 01 2014
 J.P. CARRARA & SONS, INC.
 MIDDLEBURY, VT 05753

SHOP DRAWING REVIEW

REVIEWED AS REQUIRED BY THE CONSTRUCTION CONTRACT DOCUMENTS AND APPROVED, BUT ONLY FOR CONFORMANCE TO THE DESIGN CONCEPT OF THE WORK, AND SUBJECT TO FURTHER LIMITATIONS AND REQUIREMENTS CONTAINED IN THE CONSTRUCTION CONTRACT DOCUMENTS.

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VHB Job Number: 57438
 Reviewed By: G.S. Goodrich
 Date: 4/4/2014

APPROVAL STAMP:

J.P. CARRARA & SONS INC.
 Precast & Prestress Manufacturer
 2484 CASE STR., MIDDLEBURY, VERMONT 05753 Phone: (802)388-6381 Fax: (802)388-9010

T. BUCK CONSTRUCTION
 CONTRACTOR
 AUBURN, MAINE

STATE OF VERMONT AGENCY OF TRANSPORTATION
 COUNTY OF ADDISON

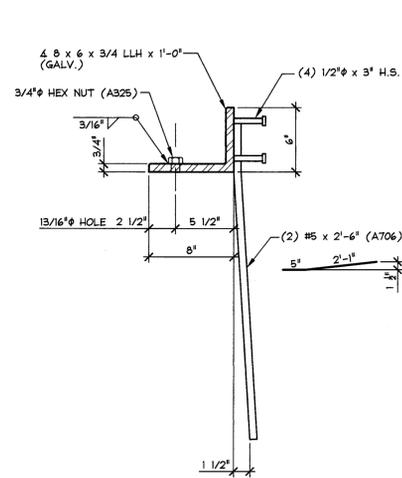
DATE: OCT. 9, 2013
 SCALE: NOTED

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

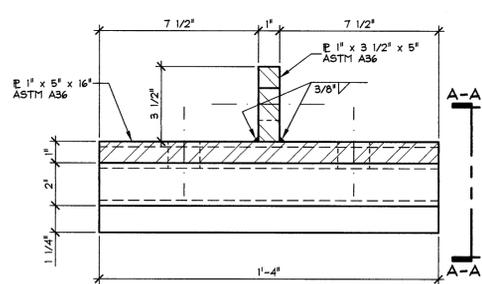
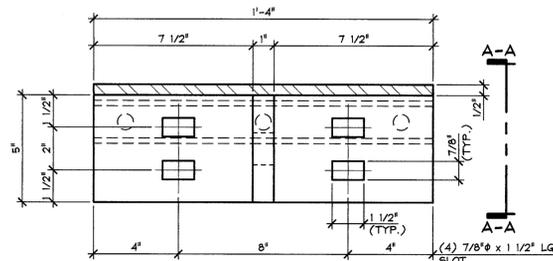
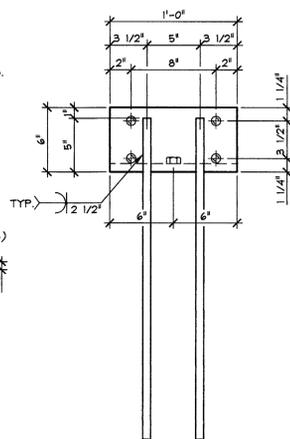
CHKD: DFTM: T.D.
 JOB NO: 23411-013

P/C ARCHITECTURAL PANEL DETAILS
 DWG. NO: PA14

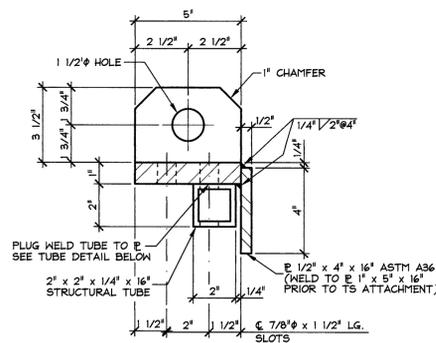
F:\VT-Bridges\23411-13 Sand Hill Bridge\23411-013 PA14.dwg, 4/1/2014 8:51:24 AM



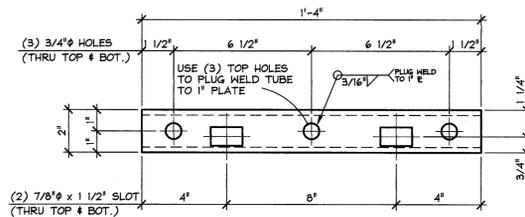
MK-ARI (24) REQ'D.
(GALV.) 1 1/2" = 1'-0"



ER-PL1 (2) REQ'D.
3" = 1'-0"

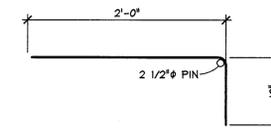


SECTION "A-A"
3" = 1'-0"



STRUCTURAL TUBE DETAIL
3" = 1'-0"

MISCELLANEOUS MATERIALS				
ITEM	MARK	QTY.	DESCRIPTION	REMARKS
1		48	#5 x 2'-0" (LEVEL II, DUAL COATED)	
2		1	#6 x 8'-10" (LEVEL II, DUAL COATED)	
3		148	#6 x 9'-5 1/4" (LEVEL II, DUAL COATED)	
4		10	#6 x 13'-11" (LEVEL II, DUAL COATED)	
5		10	#6 x 11'-11" (LEVEL II, DUAL COATED)	
6		10	#6 x 5'-0 1/2" (LEVEL II, DUAL COATED)	
7		10	#6 x 6'-8" (LEVEL II, DUAL COATED)	
8		10	#6 x 15'-4" (LEVEL II, DUAL COATED)	
9		2	#6 x 5'-2" (LEVEL II, DUAL COATED)	
10		10	#6 x 21'-3" (LEVEL II, DUAL COATED)	
11		1	#6 x 20'-7" (LEVEL II, DUAL COATED)	
12		3	#6 x 15'-7" (LEVEL II, DUAL COATED)	
13		6	#6 x 20'-4" (LEVEL II, DUAL COATED)	
14		4	#6 x 6'-3" (LEVEL II, DUAL COATED)	
15		8	#6 x 3'-0" (LEVEL II, DUAL COATED)	
16		1	#6 x 7'-4" (LEVEL II, DUAL COATED)	
17		1	#6 x 7'-6" (LEVEL II, DUAL COATED)	
18		3	#6 x 5'-6" (LEVEL II, DUAL COATED)	
19		13	#6 x 0'-8" (LEVEL II, DUAL COATED)	
20		10	#6 x 14'-10" (LEVEL II, DUAL COATED)	
21		10	#6 x 6'-4" (LEVEL II, DUAL COATED)	
22		10	#6 x 5'-1" (LEVEL II, DUAL COATED)	
23		10	#6 x 12'-2" (LEVEL II, DUAL COATED)	
24		1	#6 x 13'-8" (LEVEL II, DUAL COATED)	
25		4	#6 x 8'-10" (LEVEL II, DUAL COATED)	
26		6	#6 x 14'-2" (LEVEL II, DUAL COATED)	
27		1	#6 x 9'-2" (LEVEL II, DUAL COATED)	
28		4	#6 x 5'-9" (LEVEL II, DUAL COATED)	
29		8	#6 x 5'-7" (LEVEL II, DUAL COATED)	
30		14	#6 x 3'-11" (LEVEL II, DUAL COATED)	
31		2	#6 x 6'-1" (LEVEL II, DUAL COATED)	
32		6	#6 x 2'-7" (LEVEL II, DUAL COATED)	
33		8	#6 x 2'-8" (LEVEL II, DUAL COATED)	
34		2	#6 x 2'-10" (LEVEL II, DUAL COATED)	
35				
36		4	#4 x 9'-9" (LEVEL II, DUAL COATED)	
37		4	#4 x 12'-4" (LEVEL II, DUAL COATED)	
38				
39				
40				
41				
42				
43	MK-ARI	24	4 8 x 6 x 3/4 x 1'-0" LLH W/ ANCHORS (GALV.)	SEE DETAIL THIS SHEET
44	SH-P501	18	#5 BENT BAR (LEVEL II, DUAL COATED)	SEE DETAIL THIS SHEET
45		58	4T x 3 3/4 SWIFT LIFT ANCHOR W/ RECESS PLUG (BLACK)	
46		6	4T x 5 1/2 SWIFT LIFT ANCHOR W/ RECESS PLUG (BLACK)	
47		56	DAYTON P30 COREHALL CS835 SLOTTED INSERT (GALV.)	
48		48	3/4" x 1'-9" COIL ROD W/ NUT (GALV.)	
49		48	3/4" x 1'-11" COIL ROD W/ NUT (GALV.)	
50		36	1/2" F42 FERRULE LOOP INSERT (GALV.)	
51				



SH-P501
#5 BENT BAR
LEVEL II, DUAL COATED
(18) REQ'D.

Vermont Agency of Transportation
RECEIVED
ON: **April 2, 2014**
and Checked for
CONFORMANCE
BY: Jennifer Fitch DATE: 04/04/2014

SHOP DRAWING REVIEW

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VHB Job Number: 57438
Reviewed By: G.S. Goodrich
Date: 4/4/2014

3-26-14 GENERAL REVISION T.D.
2-11-14 GENERAL REVISION T.D.

APPROVAL STAMP:	J.P. CARRARA & SONS INC. Precast & Prestress Manufacturer <small>244 CASE ST., MIDDLEBURY, VERMONT 05753 Phone: (802)388-6361 Fax: (802)388-9010</small>		T. BUCK CONSTRUCTION CONTRACTOR AUBURN, MAINE	
	STATE OF VERMONT AGENCY OF TRANSPORTATION COUNTY OF ADDISON		DATE: OCT. 9, 2013	
	TOWN OF MIDDLEBURY ROUTE NO. VT 125, EAST MIDDLEBURY GORGE BRIDGE NO.: 13 PROJECT NO.: RS 0174(B)		SCALE: NOTED	CHKD: DFTM: T.D.
	P/C ARCHITECTURAL PANEL DETAILS		JOB NO: 23411-013	DWG. NO: PAMI

ISSUED FOR PRODUCTION
APR 01 2014
J.P. CARRARA & SONS, INC.
MIDDLEBURY, VT 05753