



REVIEW NOTES
MIDDLEBURY RS 0174(8) - SAND HILL BRIDGE
PRECAST ABUTMENT FOOTING FABRICATION DRAWINGS
December 20, 2013

RE: Precast Abutment Footing Fabrication Drawings received from T Buck on 12/11/2013 (drawings dated 10/9/2013).

VHB Project No.: 57438.00

These notes accompany the review of the Precast Abutment Footing Fabrication Drawings reviewed by VHB on 12/20/2013.

1. In the transmittal from J.P. Carrara, dated December 11, 2013, item 2 requests that the reviewer to confirm the size and layout of the grout sleeves at the perimeter of the footings. Sheet 59 of the Contract Plans specify that the leveling bolts be spaced at 4'-0" along the length of the footing and for the grout ports to be spaced at 2'-0" along the length of the footing and between the leveling bolts as applicable. Alternative spacing of the grout tubes may be permitted; however, final positioning should be approved by the Contractor based on proposed grout characteristics and installation methods. Alternative positioning of the leveling bolts should be recommended by the fabricator based on design and functional capabilities of the leveling bolts and other applicable installation considerations as determined by the fabricator.

Vermont Agency of Transportation

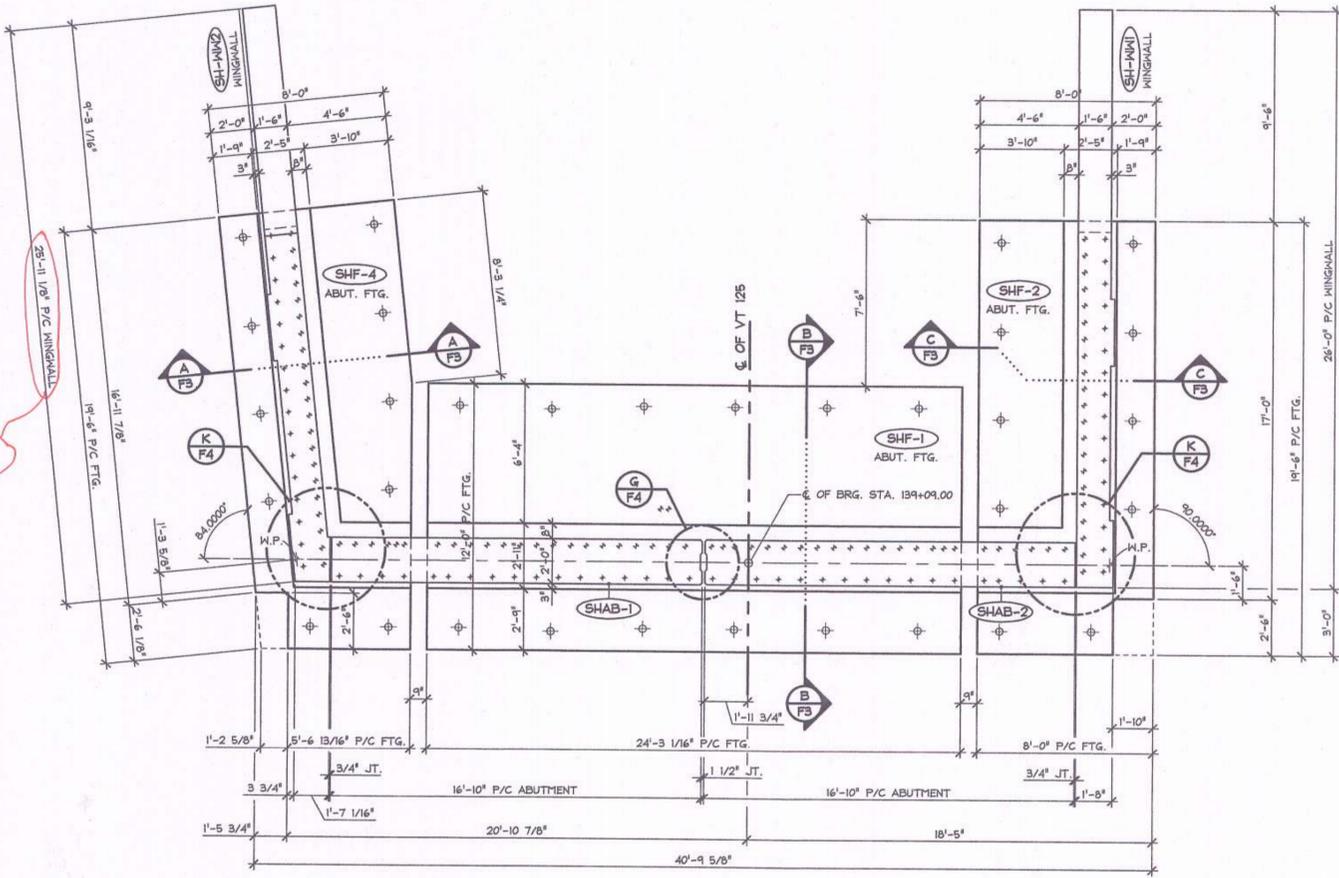
RECEIVED

ON: December 11, 2013

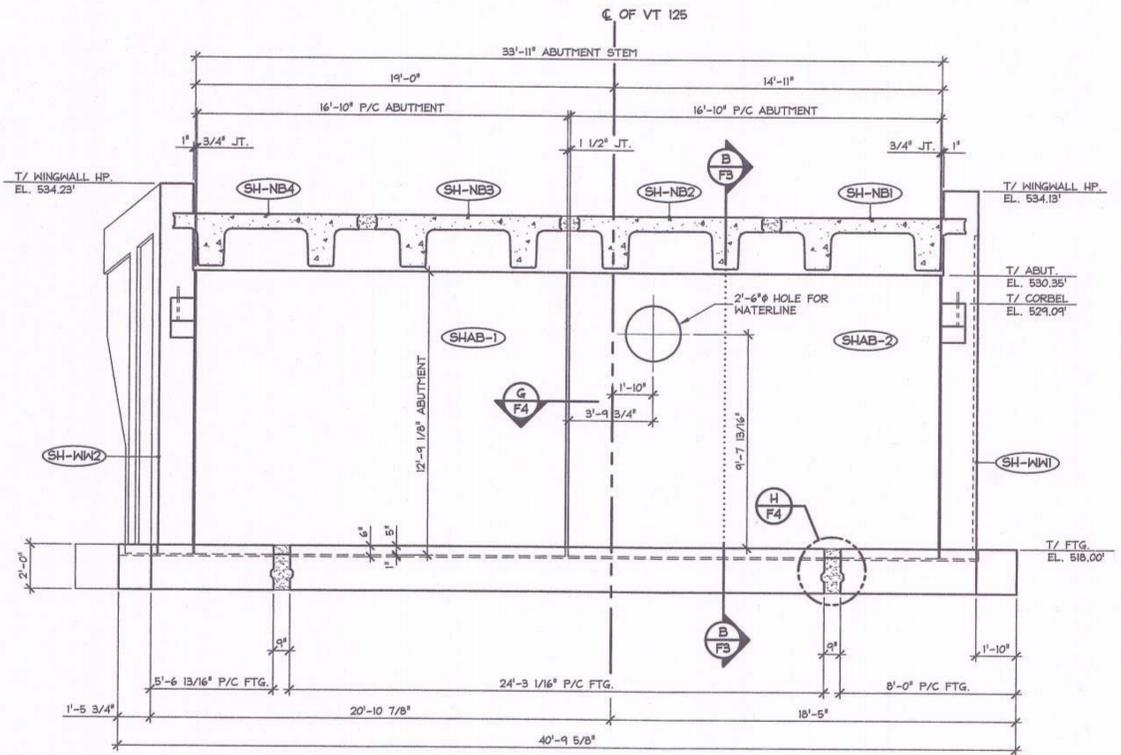
and Checked for

CONFORMANCE

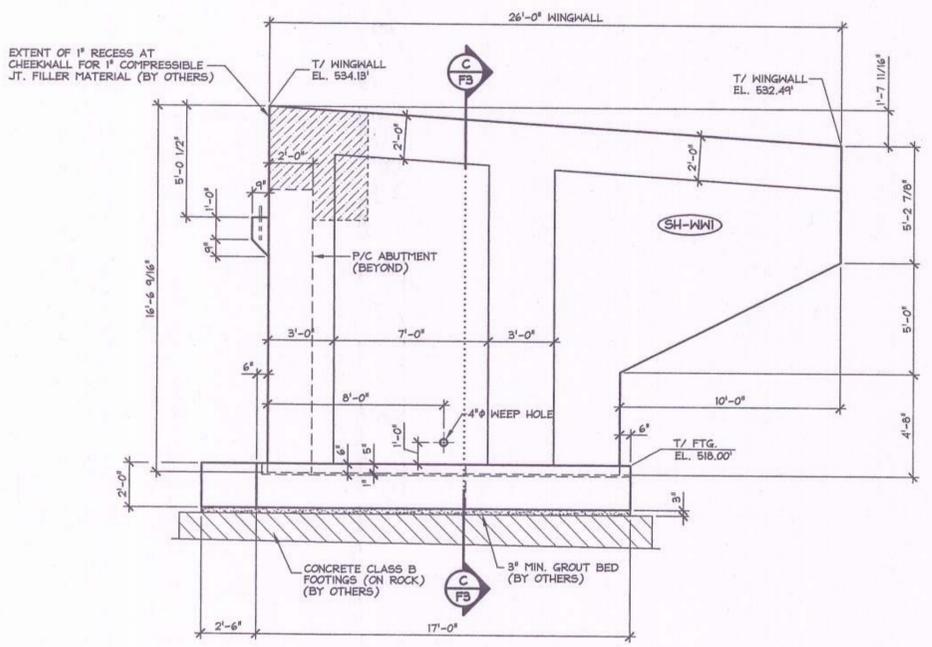
BY: Jennifer Fitch DATE: 12/23/13



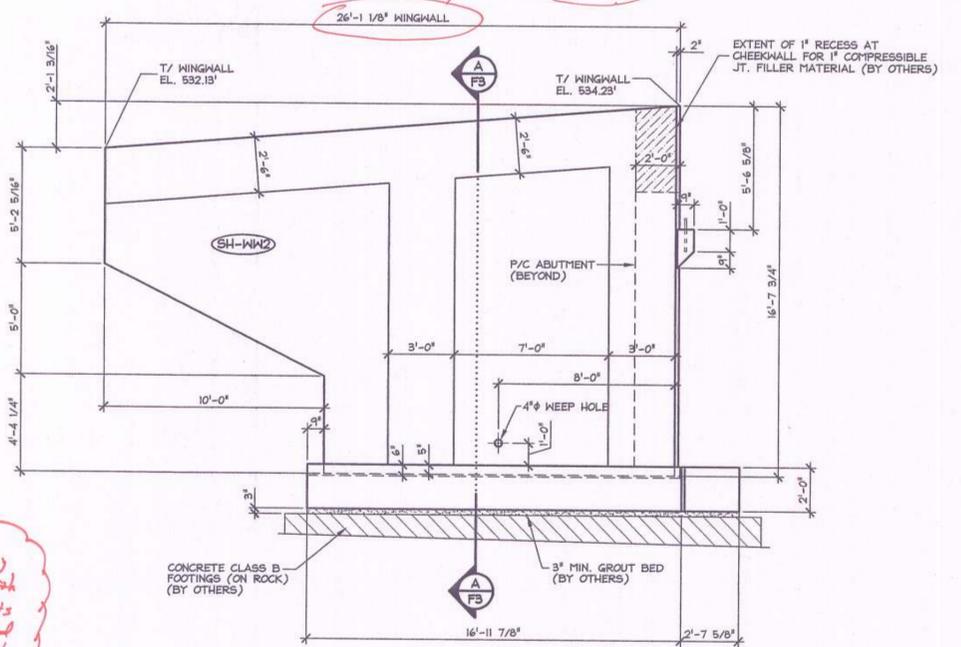
1 PLAN VIEW - ABUMENT - 1
F2 1/4" = 1'-0"



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



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

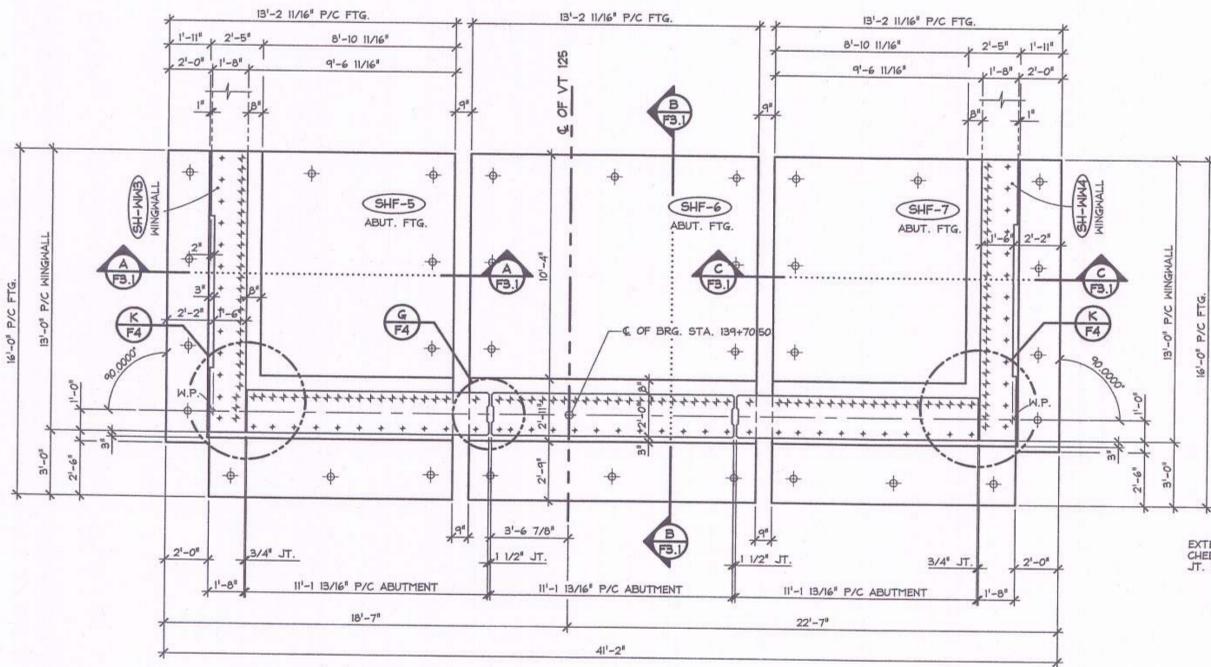


4 WEST ELEVATION - WINGWALL - 2
F2 1/4" = 1'-0"

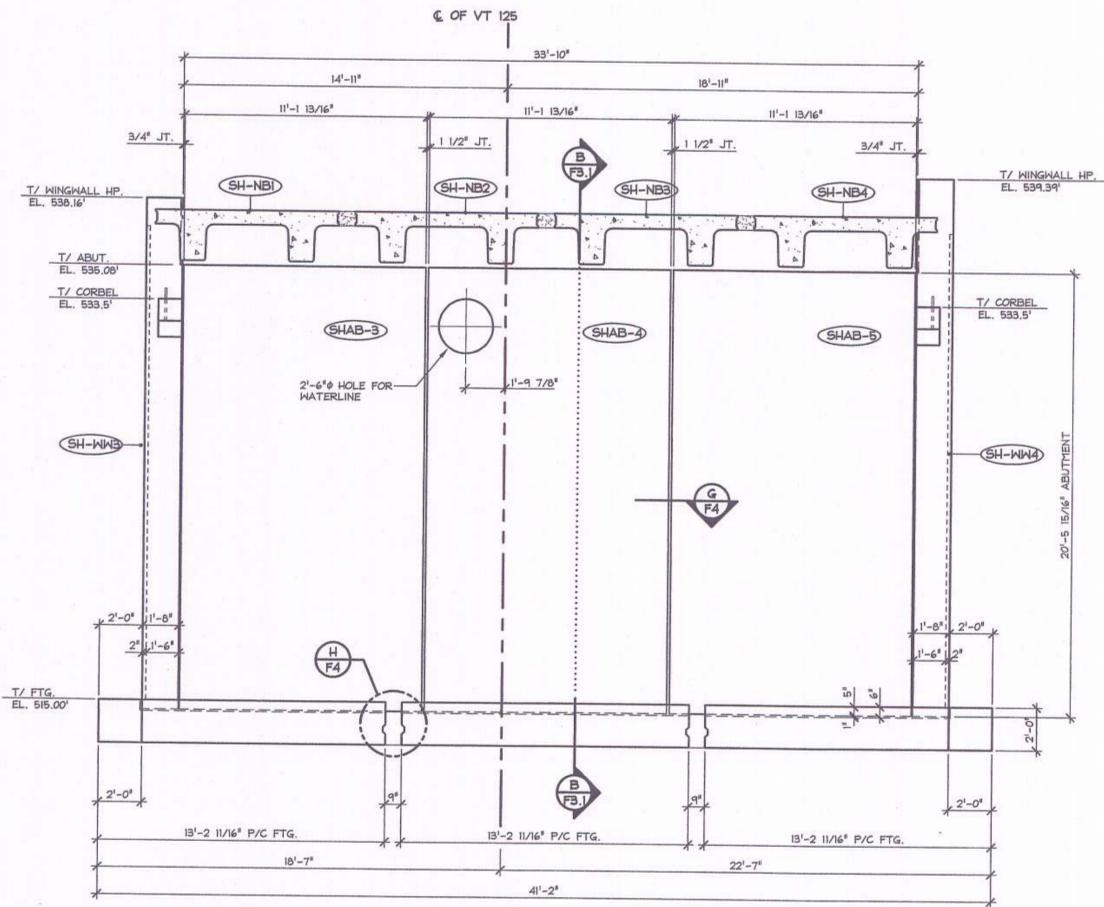
Note: Sheets F2, F2.1, F3, and F4 were not reviewed in their entirety. They were only reviewed for coordination with the footings. Full review of these sheets will be completed when submitted for approval as a complete set for the abutment and wingwalls.

PRELIMINARY
NOT FOR CONSTRUCTION

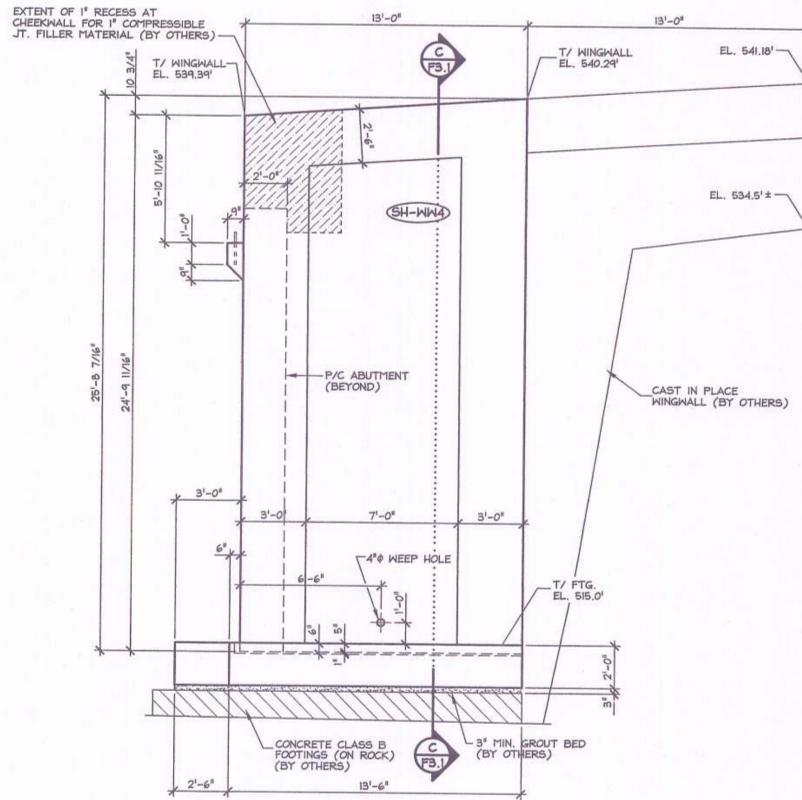
APPROVAL STAMP:	J.P. CARRARA & SONS INC. Precast & Prestress Manufacturer 2464 ONE ST., MIDDLEBURY, VERMONT 05753 Phone: (802)388-6361 Fax: (802)388-9010	T. BUCK CONSTRUCTION CONTRACTOR AUBURN, MAINE
STATE OF VERMONT AGENCY OF TRANSPORTATION COUNTY OF ADDISON		DATE: OCT. 9, 2013
TOWN OF MIDDLEBURY ROUTE NO. VT 125, EAST MIDDLEBURY GORGE BRIDGE NO.: PROJECT NO.: RS 0174(8)		SCALE: NOTED
ABUTMENT 1 LAYOUT & DETAILS		CHKD: DFTM: T.D. JOB NO: 23411-013
		DWG. NO: F2



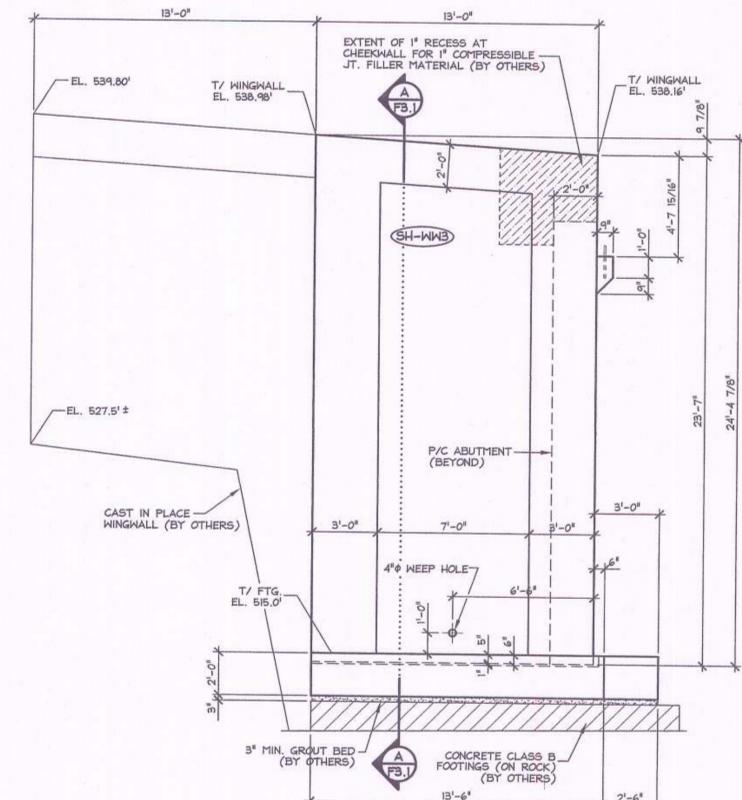
1 PLAN VIEW - ABUMENT - 2
F2.1 1/4" = 1'-0"



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



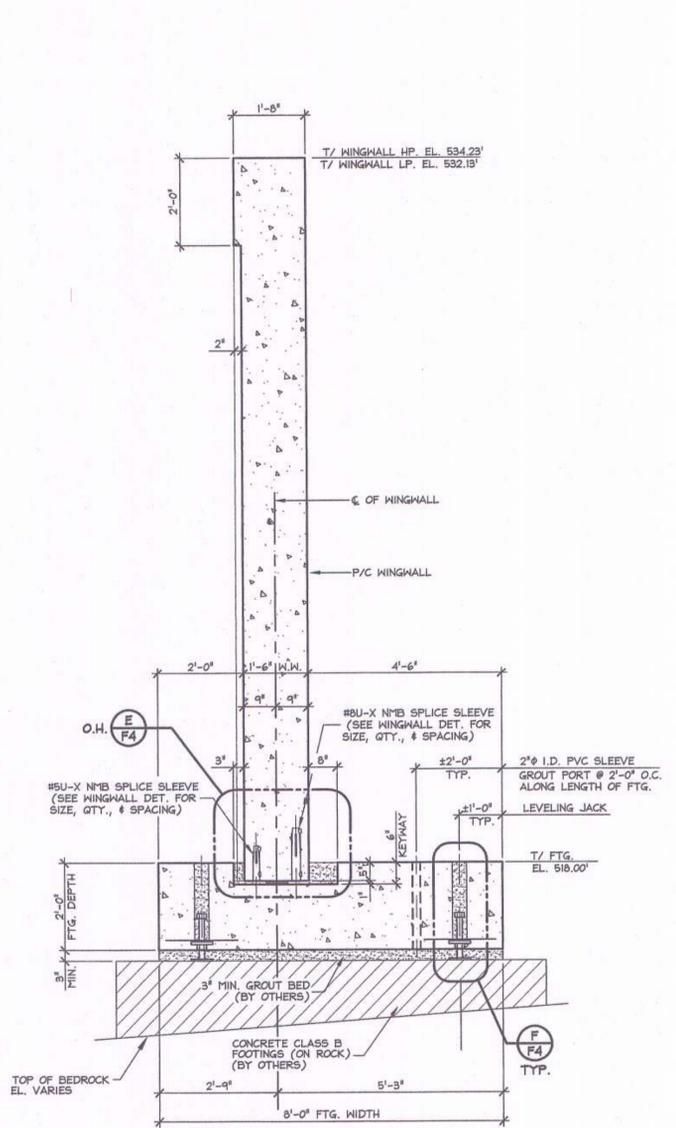
3 WEST ELEVATION
WINGWALL - 4
F2.1 1/4" = 1'-0"



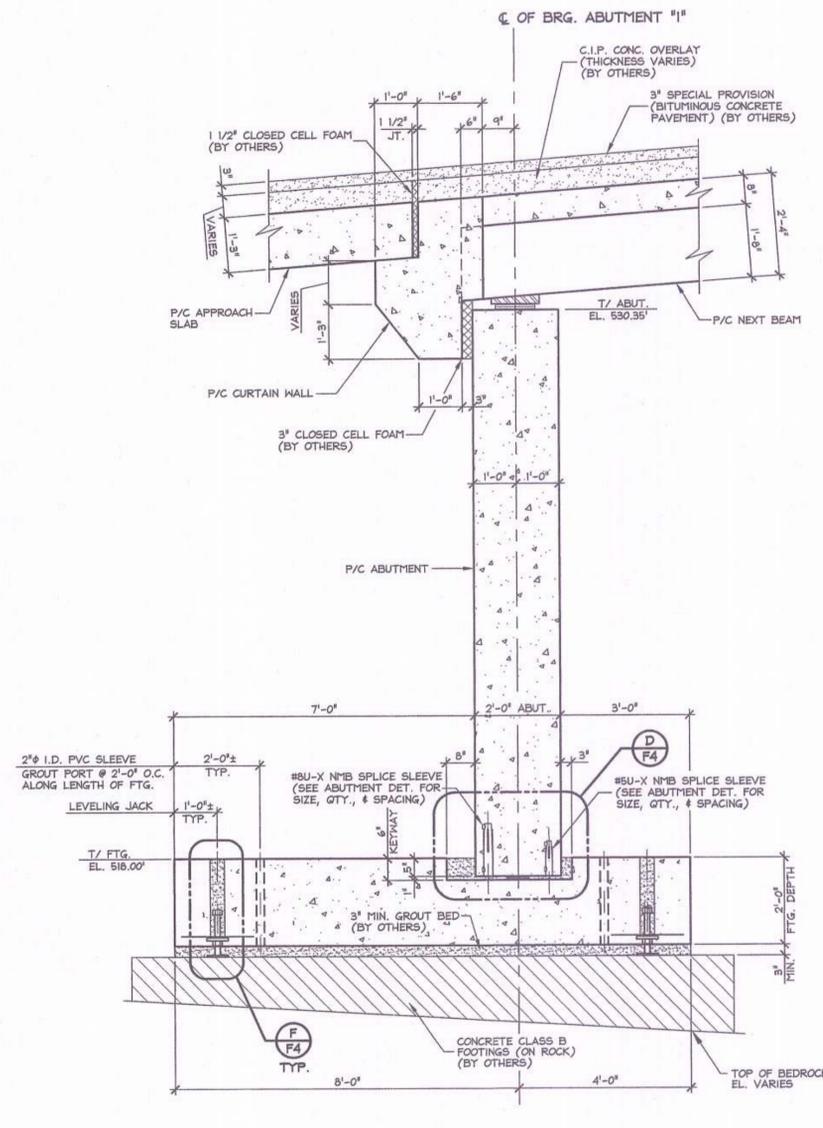
4 EAST ELEVATION
WINGWALL - 3
F2.1 1/4" = 1'-0"

PRELIMINARY
NOT FOR CONSTRUCTION

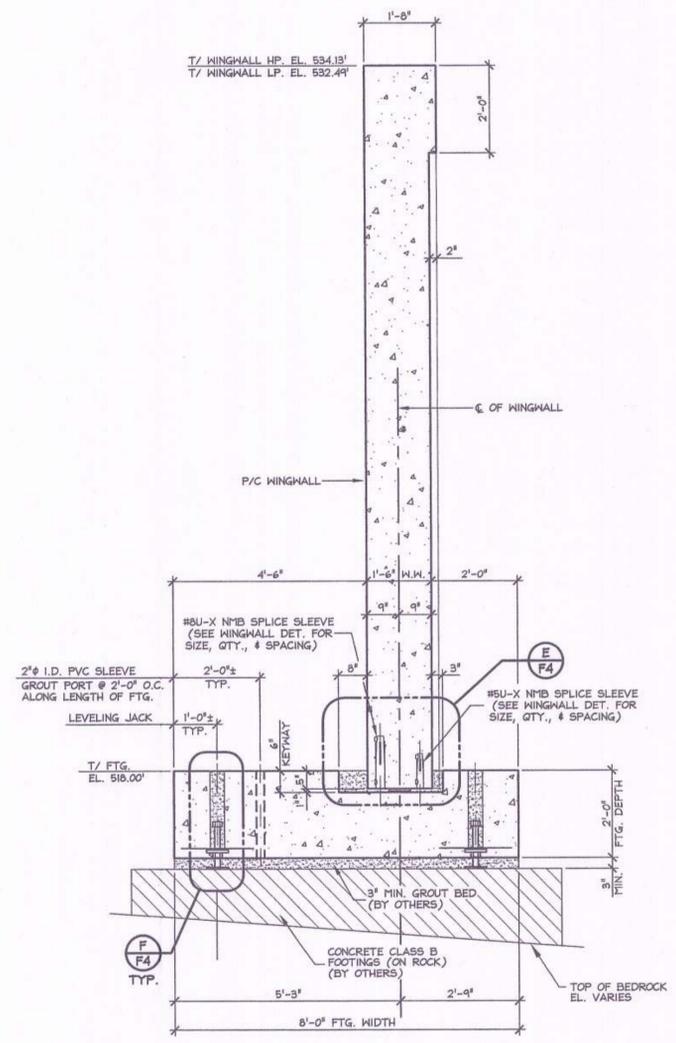
APPROVAL STAMP:	J.P. CARRARA & SONS INC. Precast & Prestress Manufacturer 244 GSE STR., MIDDLEBURY, VERMONT 05753 Phone: (802)388-6361 Fax: (802)388-8010		T. BUCK CONSTRUCTION CONTRACTOR AUBURN, MAINE
	STATE OF VERMONT AGENCY OF TRANSPORTATION COUNTY OF ADDISON		DATE: OCT. 9, 2013 SCALE: NOTED
	TOWN OF MIDDLEBURY ROUTE NO. VT 125, EAST MIDDLEBURY GORGE BRIDGE NO.: PROJECT NO.: RS 0174(B)		CHKD: DFTM: T.D. JOB NO: 23411-013
	ABUTMENT 2 LAYOUT & DETAILS		DWG. NO: F2.1



A SECTION AT WINGWALL (SH-WW2)
F3 1/2" = 1'-0"



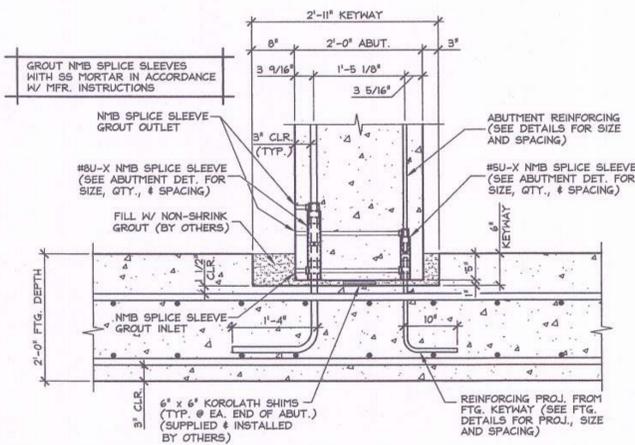
B SECTION AT ABUTMENT #1
F3 1/2" = 1'-0"



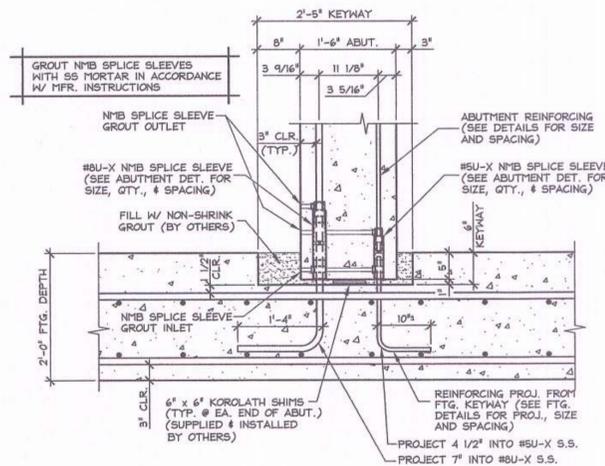
C SECTION AT WINGWALL (SH-WW1)
F3 1/2" = 1'-0"

PRELIMINARY
NOT FOR CONSTRUCTION

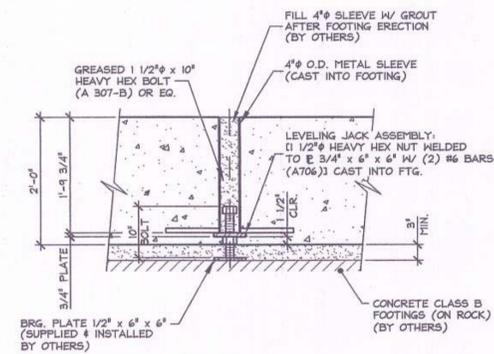
APPROVAL STAMP:	J.P. CARRARA & SONS INC. Precast & Prestress Manufacturer 2444 CASE ST., MIDDLEBURY, VERMONT 05753 Phone: (802)388-6361 Fax: (802)388-9010		T. BUCK CONSTRUCTION CONTRACTOR AUBURN, MAINE	
	STATE OF VERMONT AGENCY OF TRANSPORTATION COUNTY OF ADDISON		DATE: OCT. 9, 2013	SCALE: NOTED
	TOWN OF MIDDLEBURY ROUTE NO. VT 125, EAST MIDDLEBURY GORGE BRIDGE NO.: PROJECT NO.: RS 0174(B)		CHKD:	DFTM: T.D.
	ABUTMENT 1 & WINGWALL SECTIONS		JOB NO: 23411-013	DWG. NO: F3



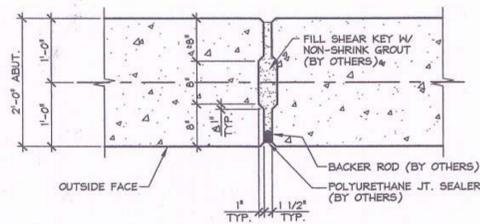
D STEM JOINT SECTION
F4 (AT ABUTMENT) 3/4" = 1'-0"



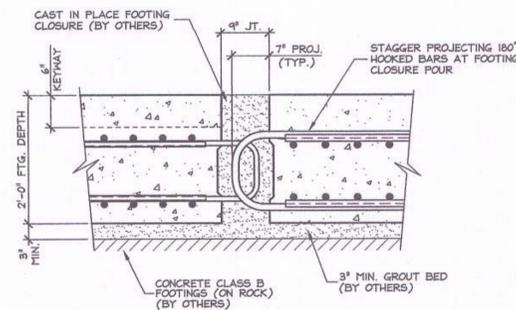
E STEM JOINT SECTION
F4 (AT WINGWALL) 3/4" = 1'-0"



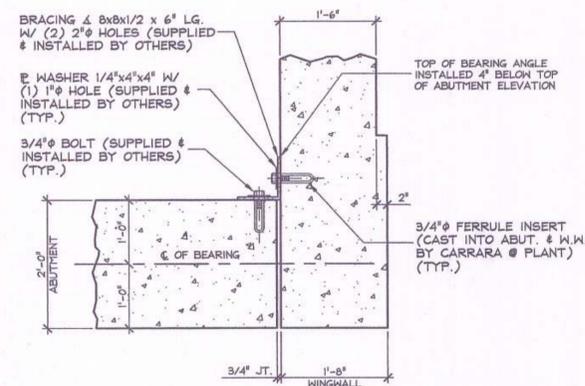
F LEVELING JACK SECTION
F4 3/4" = 1'-0"



G ABUTMENT SHEAR KEY SECTION
F4 3/4" = 1'-0"



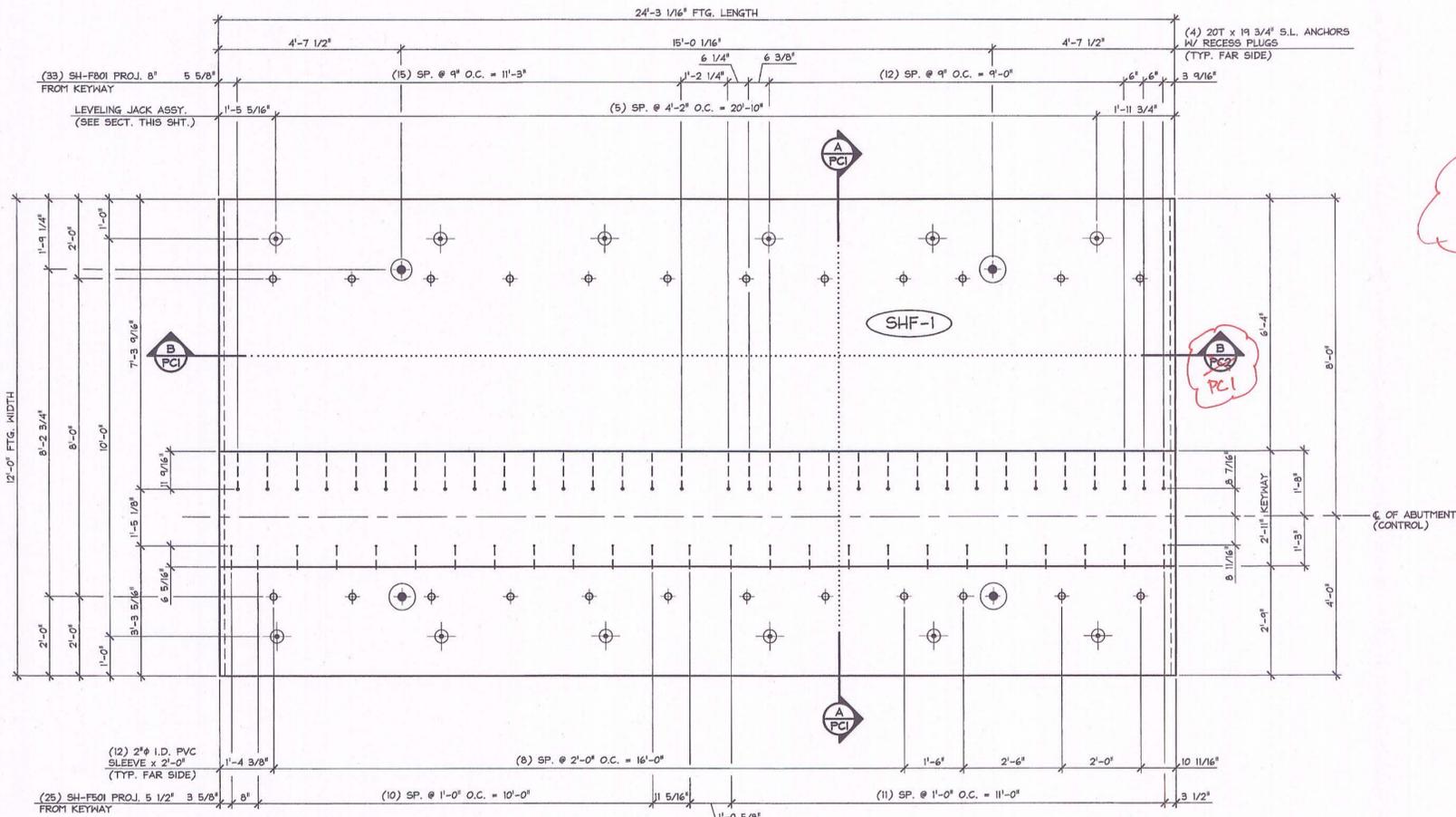
H FOOTING SHEAR KEY SECTION
F4 3/4" = 1'-0"



K CORNER BRACING DETAIL
F4 3/4" = 1'-0"

PRELIMINARY
NOT FOR CONSTRUCTION

APPROVAL STAMP:	J.P. CARRARA & SONS INC. Precast & Prestress Manufacturer 2464 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
	TOWN OF MIDDLEBURY ROUTE NO. VT 125, EAST MIDDLEBURY GORGE BRIDGE NO.: PROJECT NO.: RS 0174(8)			SCALE: NOTED
	SECTIONS & DETAILS			CHKD: DFTM: T.D. JOB NO: 23411-013 DWG. NO: F4



ADD REBAR SCHEDULE AND BAR BEND DIMENSIONS

Vermont Agency of Transportation
RECEIVED
 ON: December 11, 2013
 and Checked for
CONFORMANCE
 BY: Jennifer Fitch DATE: 12/23/13

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.

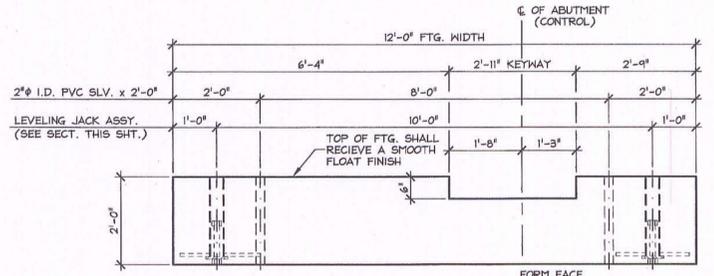
REJECTED REVISE AND RESUBMIT FURNISH AS CORRECTED

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.

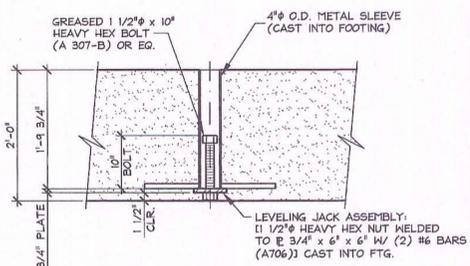
VHB Vanasse Hangen Brustlin, Inc.
 Job Number: 57425.020
 Reviewed By: @.S. Goulet, p.h.
 Date: 12-20-2013

SUBMITTED
 DEC 9 2013
 J. P. CARRARA & SONS, INC.
 MIDDLEBURY, VT 05753

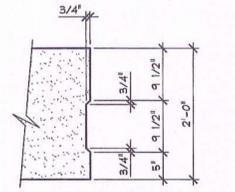
1 DIMENSIONAL PLAN VIEW IN FORM
 1/2" = 1'-0"



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



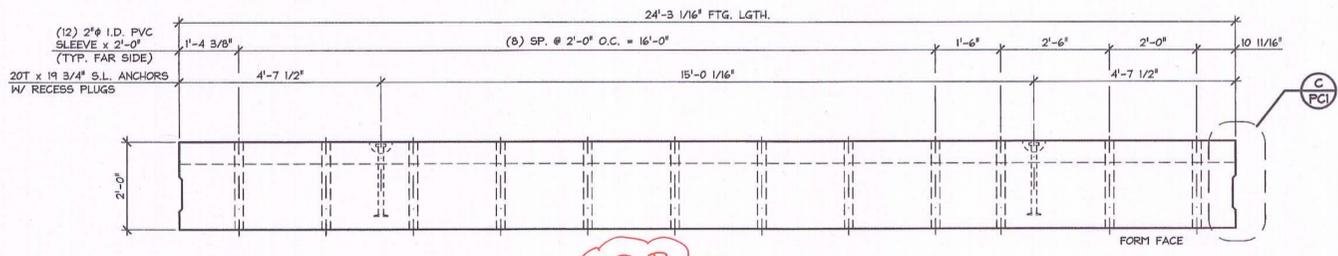
LEVELING JACK SECTION
 3/4" = 1'-0"



C KEYWAY DETAIL
 3/4" = 1'-0"

NOTE: SEE DRAWING PCI.1 FOR REINFORCEMENT

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



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

PLEASE PROVIDE PLAN VIEW OF LEVELING JACK ASSEMBLY

VERIFY LOCATION IN FOOTING

- SHOP NOTES:**
- HOLD LAYOUT AND PROJECTION OF SH-F601 & SH-F801 PROJECTING BARS.
 - HOLD LAYOUT AND DEPTH OF 6" KEYWAY.
 - USE TEMPLATE TO COORDINATE PROJECTING REINFORCEMENT WITH NMB SPLICE SLEEVE LOCATIONS IN WING WALLS & ABUTMENTS.
 - PROJECTING SH-F601 BARS SHALL BE PLACED AS SHOWN WITH 1/2"± TOLERANCE.
 - ADJUST LEVELING BOLTS AND GROUT SLEEVES AS REQUIRED TO CLEAR REINFORCEMENT MATS.

MARK:	SHF-1	QTY.:	1	WT.:	40.99 T	VOL.:	20.24 cy
MATERIAL LIST / FOOTING							
ITEM	MARK	DESCRIPTION	QTY.				
1							
2							
3							
4		DAYTON 20T x 19 3/4" SWIFT LIFT ANCHORS (WITH RECESS PLUG)	4				
5		2" I.D. x 2'-0" PVC SLEEVE	24				
6		3 1/2" I.D. x 2'-0" PVC SLEEVE	12				
7		LEVELING JACK ASSEMBLY	12				
8							
9							
10							
11	SH-F801	#8 BENT BAR (BLACK)	33				
12	SH-F601	#5 BENT BAR (BLACK)	25				
13							
14							
15							

APPROVAL STAMP:

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

T. BUCK CONSTRUCTION
 CONTRACTOR
 AUBURN, MAINE

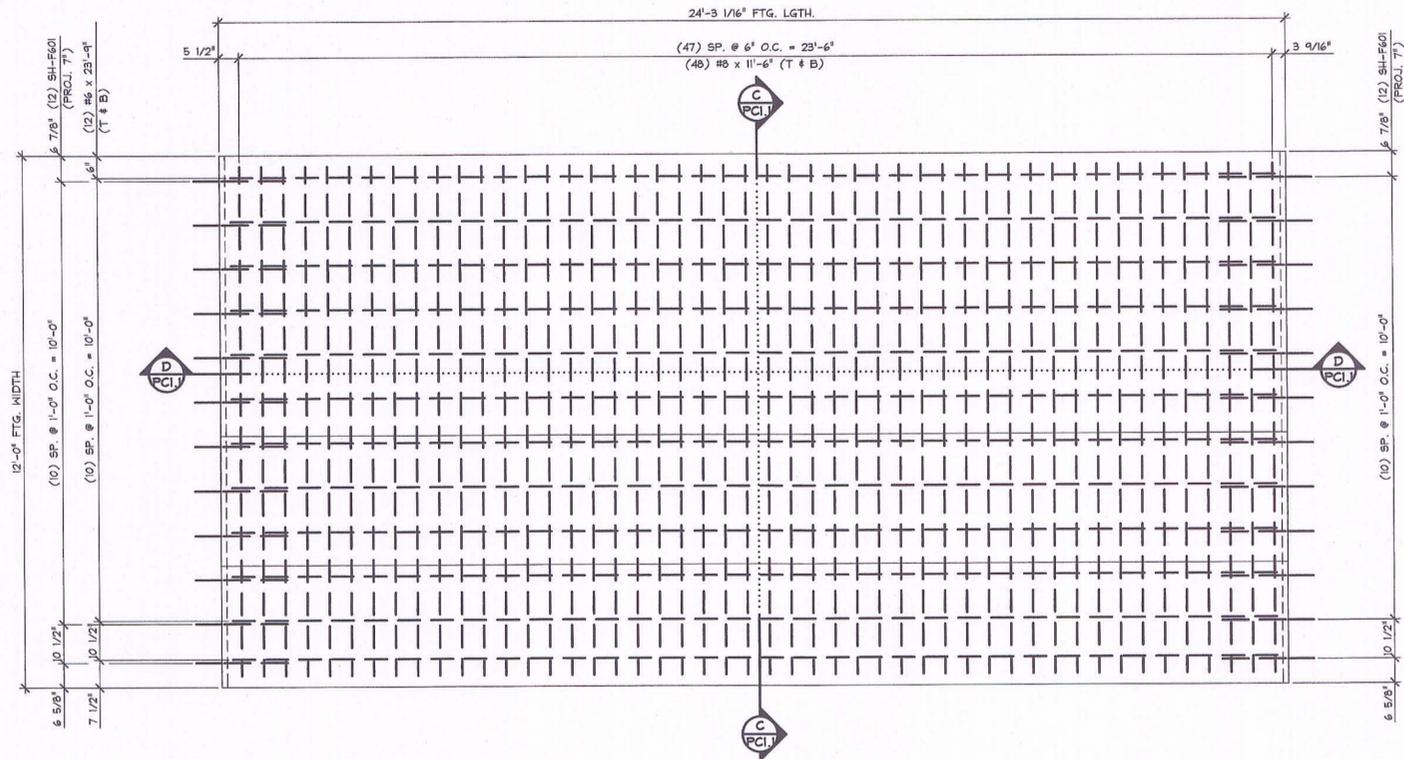
STATE OF VERMONT AGENCY OF TRANSPORTATION
 COUNTY OF ADDISON

DATE: OCT. 9, 2013
 SCALE: NOTED

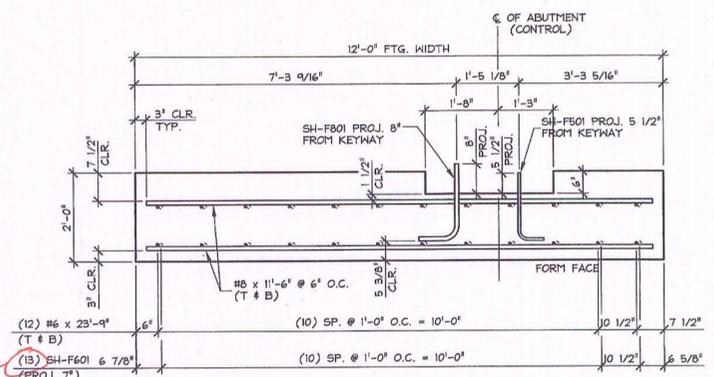
TOWN OF MIDDLEBURY
 ROUTE NO. VT 125, EAST MIDDLEBURY GORGE
 BRIDGE NO. 13 PROJECT NO.: RS 0174(B)

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

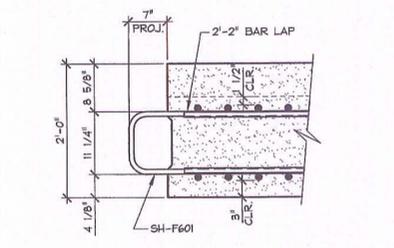
P/C FOOTING DETAILS
 DWG. NO: PCI



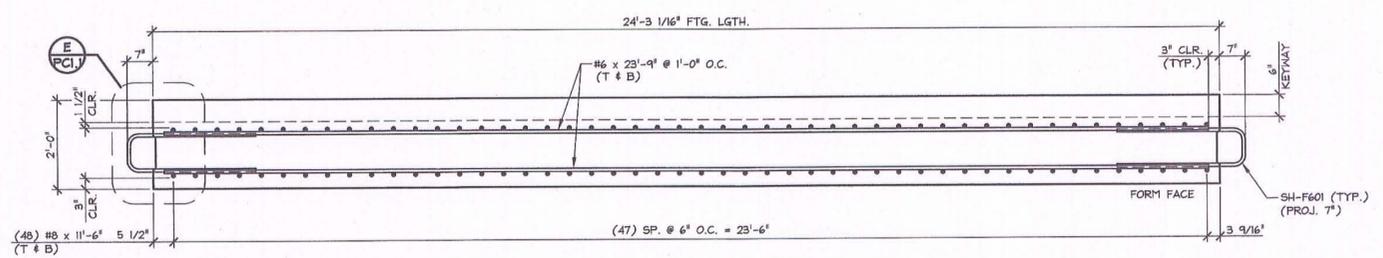
2 REINFORCING PLAN VIEW IN FORM
 PCI.1
 1/2" = 1'-0"



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



E REINFORCING DETAIL
 3/4" = 1'-0"



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

VERIFY

Vermont Agency of Transportation
RECEIVED
 ON: December 11, 2013
 and Checked for
CONFORMANCE
 BY: Jennifer Fitch DATE: 12/23/13

SUBMITTED
 DEC 9 2013
 J. P. CARRARA & SONS, INC.
 MIDDLEBURY, VT 05753

MARK	QTY.	WT.	VOL.
SHF-1	1	40.99 T	20.24 cy

MATERIAL LIST / FOOTING			
ITEM	MARK	DESCRIPTION	QTY.
1		#6 x 23'-9" (BLACK)	24
2			
3		#8 x 11'-6" (BLACK)	96
4			
5	SH-F601	#6 BENT BAR (BLACK)	24
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			

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.

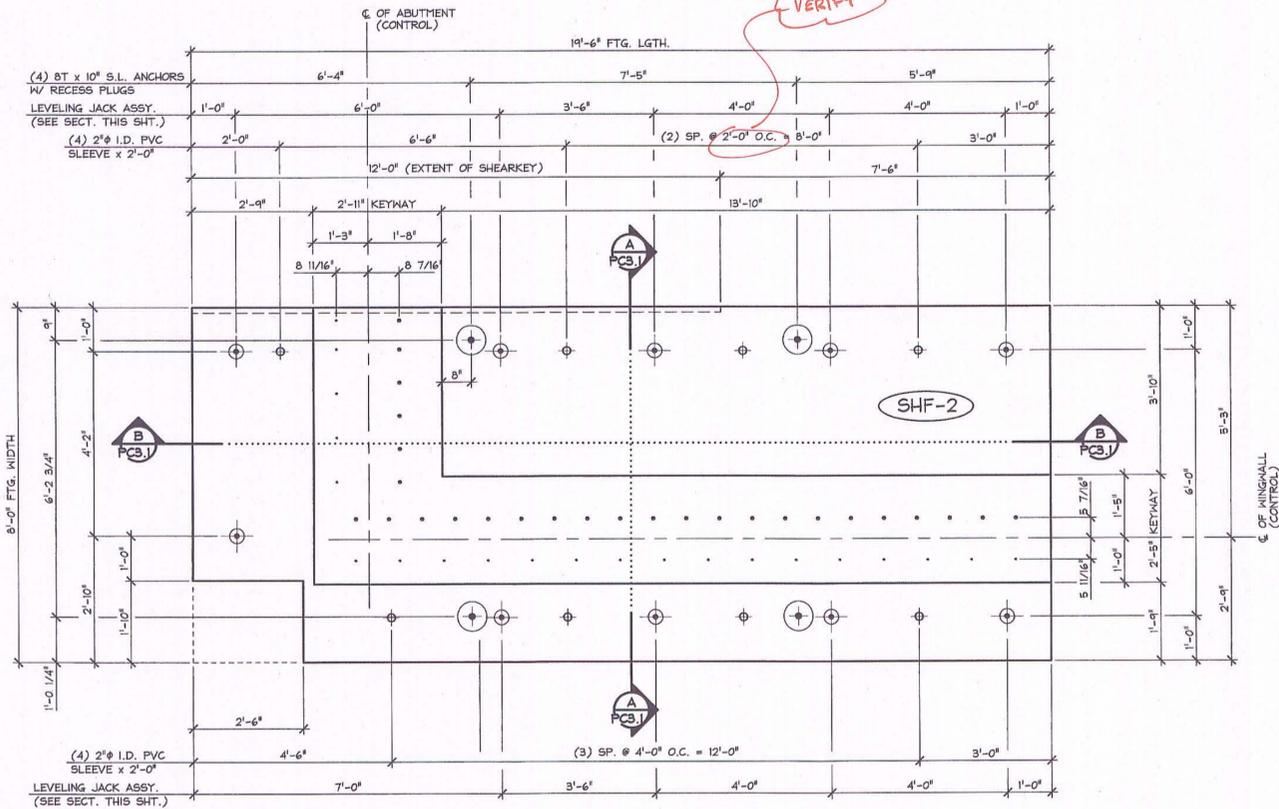
REJECTED REVISE AND RESUBMIT FURNISH AS CORRECTED

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.

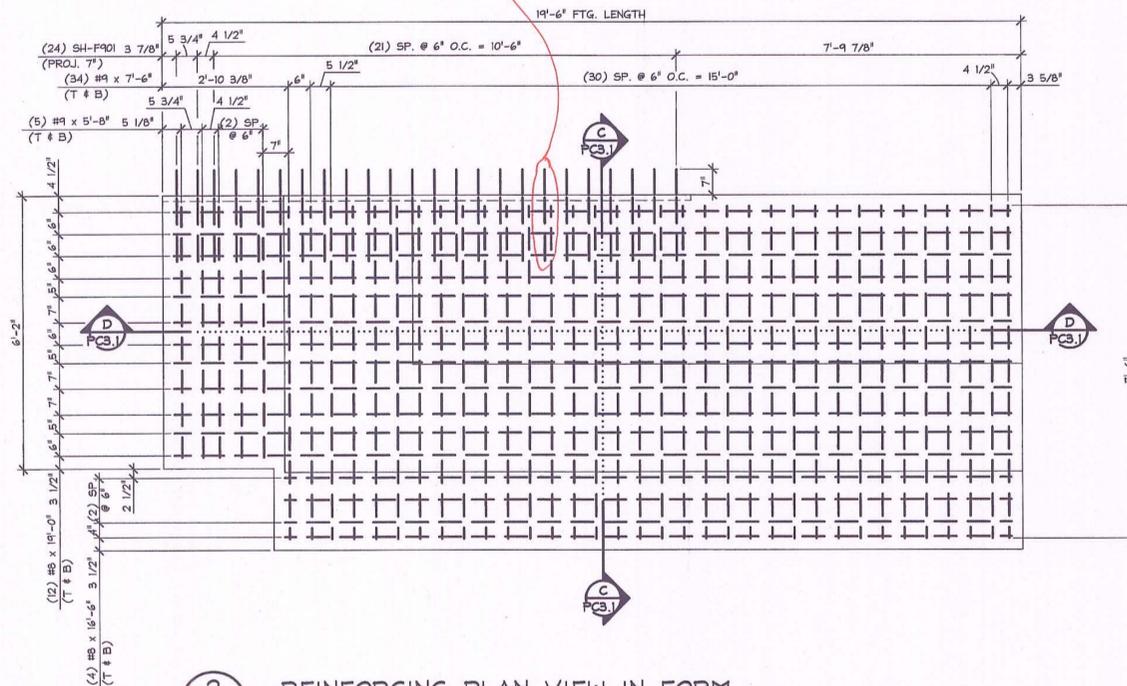
VHB Vanasse Hangen Brustlin, Inc.
 Job Number: 5745800
 Reviewed By: G.S. Gundlach
 Date: 12-20-2013

APPROVAL STAMP:

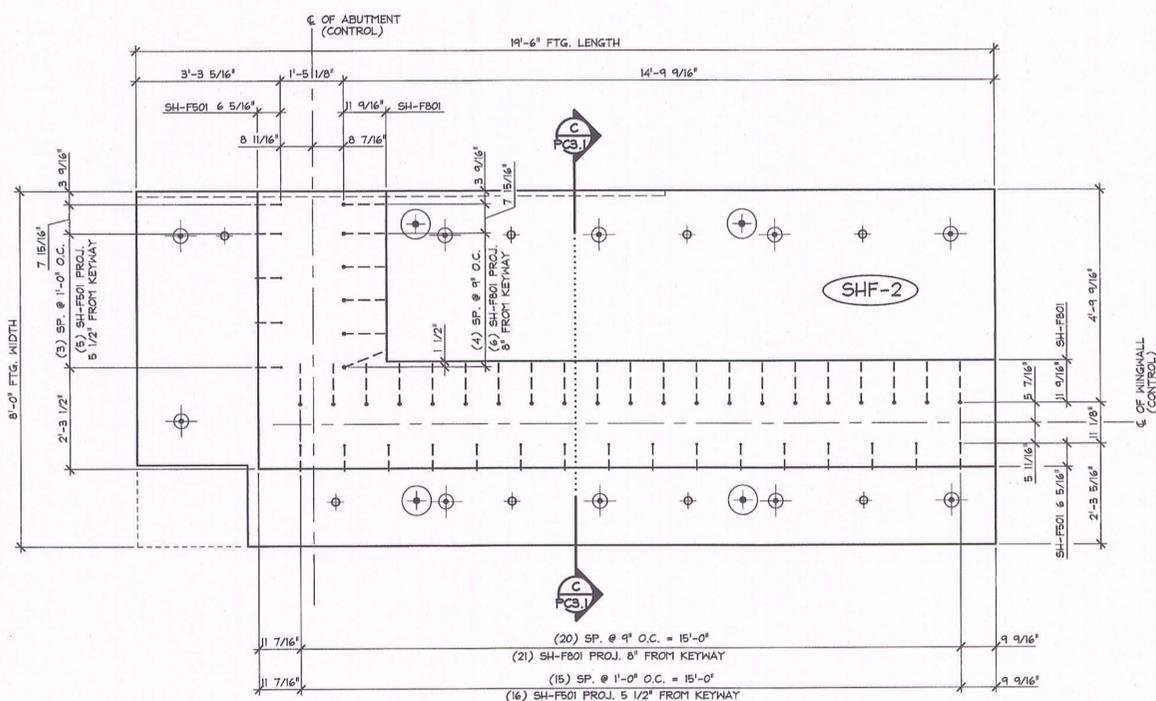
J.P. CARRARA & SONS INC. Precast & Prestress Manufacturer <small>2464 CASE ST., MIDDLEBURY, VERMONT 05753 Phone:(802)368-6361 Fax:(802)368-9010</small>	T. BUCK CONSTRUCTION CONTRACTOR AUBURN, MAINE	
	STATE OF VERMONT AGENCY OF TRANSPORTATION COUNTY OF ADDISON	DATE: OCT. 9, 2013 SCALE: NOTED
	TOWN OF 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 FOOTING DETAILS	DWG. NO: PCI.1



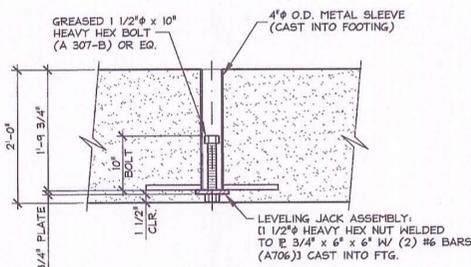
1 DIMENSIONAL PLAN VIEW IN FORM
PC3 1/2" = 1'-0"



2 REINFORCING PLAN VIEW IN FORM
PC3 1/2" = 1'-0"



3 PROJECTING REINFORCING PLAN VIEW IN FORM
PC3 1/2" = 1'-0"



LEVELING JACK SECTION
3/4" = 1'-0"

PLEASE PROVIDE PLAN VIEW OF LEVELING JACK ASSEMBLY

SHOP DRAWING REVIEW

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VHB Vanasse Hangen Brustlin, Inc.
Job Number: 57438-00
Reviewed By: B.S. Goodrich
Date: 12-20-2013

- SHOP NOTES:**
- HOLD LAYOUT AND PROJECTION OF SH-F501 & SH-F801 PROJECTING BARS.
 - HOLD LAYOUT AND DEPTH OF 6" KEYWAY.
 - USE TEMPLATE TO COORDINATE PROJECTING REINFORCEMENT WITH NMB SPLICE SLEEVE LOCATIONS IN WING WALLS & ABUTMENTS.
 - PROJECTING SH-F901 BARS SHALL BE PLACED AS SHOWN WITH 1/2"± TOLERANCE.
 - ADJUST LEVELING BOLTS AND GROUT SLEEVES AS REQUIRED TO CLEAR REINFORCEMENT MATS.

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

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 FOOTING DETAILS

DWG. NO: PC3

Vermont Agency of Transportation
RECEIVED
ON: December 11, 2013
and Checked for
CONFORMANCE
BY: Jennifer Fitch DATE: 12/23/13

SUBMITTED
DEC 9 2013
J. P. CARRARA & SONS, INC.
MIDDLEBURY, VT 05753

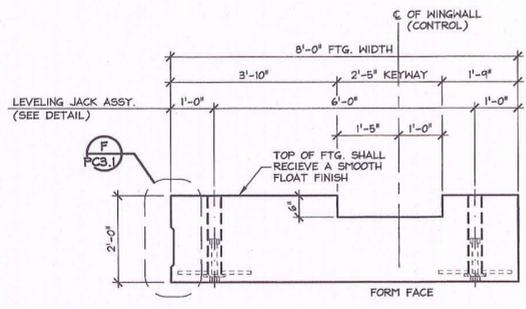
NOTE: SEE DRAWING PC3.1 FOR REINFORCEMENT

3500 PSI @ RELEASE
5000 PSI @ 28 DAYS

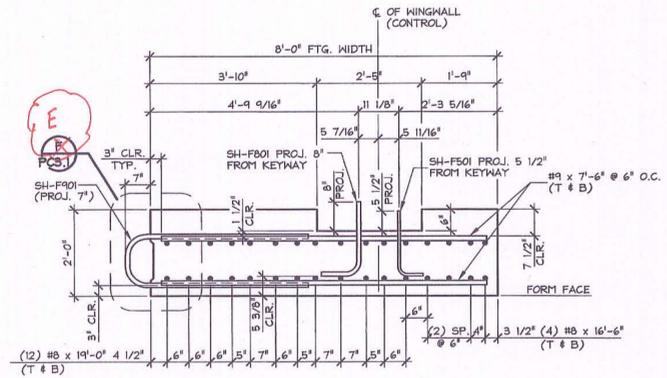
MIX DESIGN: 445MSCC

MARK: SHF-2 QTY.: 1 WT.: 20.77 T VOL.: 10.26 cy

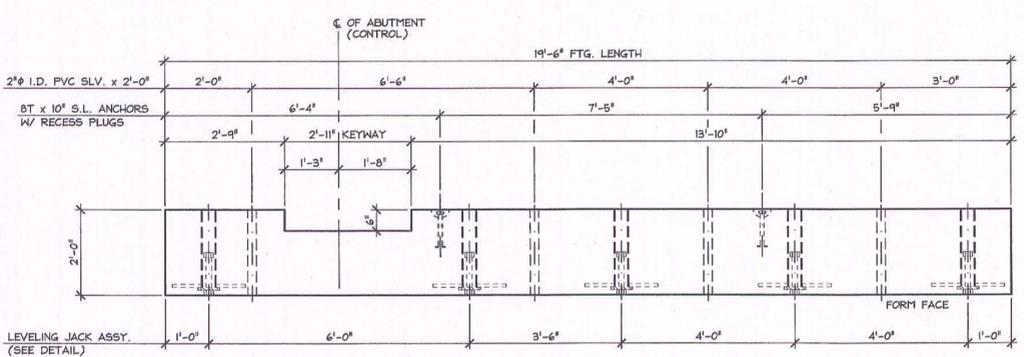
MATERIAL LIST / FOOTING			
ITEM	MARK	DESCRIPTION	QTY.
1	#8 x 16'-6"	(BLACK)	8
2	#8 x 19'-0"	(BLACK)	24
3	#9 x 5'-8"	(BLACK)	10
4	#9 x 7'-6"	(BLACK)	68
5	SH-F901	#9 BENT BAR (BLACK)	24
6	SH-F801	#8 BENT BAR (BLACK)	27
7	SH-F501	#5 BENT BAR (BLACK)	21
8			
9			
10		DAYTON 8T x 10" SWIFT LIFT ANCHORS (WITH RECESS PLUG)	4
11		2" I.D. x 2'-0" PVC SLEEVE	8
12			
13		LEVELING JACK ASSEMBLY	10
14			
15			



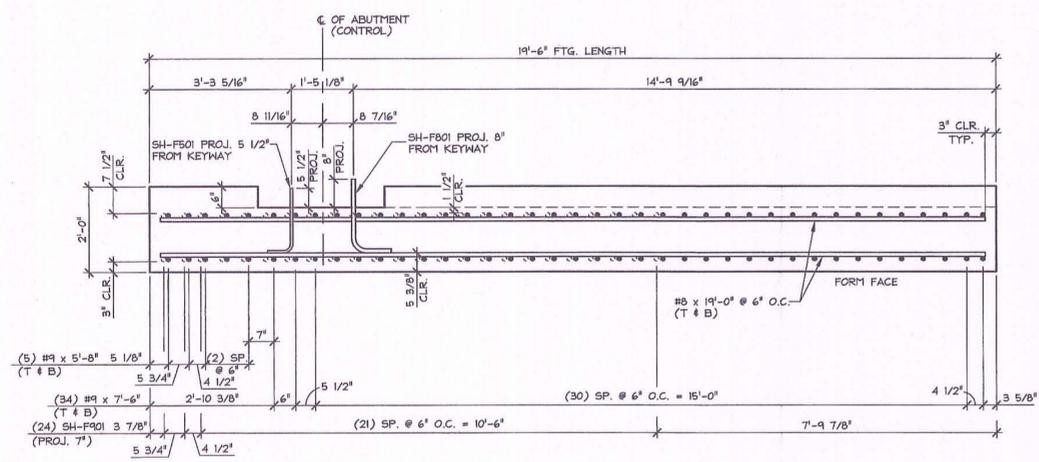
A DIMENSIONAL SECTION A-A
1/2" = 1'-0"



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



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



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

SHOP DRAWING REVIEW

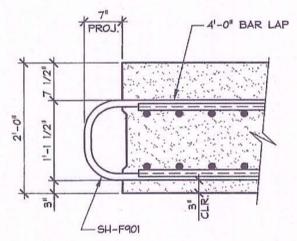
REVIEWED AS REQUIRED BY THE CONSTRUCTION CONTRACT DOCUMENTS AND APPROVED, BUT ONLY FOR CONFORMANCE TO THE DESIGN CONCEPT OF THE WORK, AND SUBJECT TO FURTHER LIMITATIONS AND REQUIREMENTS CONTAINED IN THE CONSTRUCTION CONTRACT DOCUMENTS.

REJECTED REVISE AND RESUBMIT FURNISH AS CORRECTED

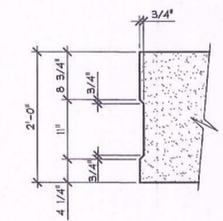
CORRECTIONS OR COMMENTS MADE ON THE SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLIANCE WITH REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS. THIS CHECK IS ONLY FOR REVIEW OF GENERAL CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND GENERAL COMPLIANCE WITH THE INFORMATION 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 Vanasse Hangen Brustlin, Inc. Job Number: 57485.00
Reviewed By: G.S. Goodrich
Date: 12-28-2013

SUBMITTED
DEC 9 2013
J. P. CARRARA & SONS, INC.
MIDDLEBURY, VT 05753



E REINFORCING DETAIL
3/4" = 1'-0"



F KEYWAY DETAIL
3/4" = 1'-0"

MARK: SHF-2	QTY.: 1	WT.: 20.77 T	VOL.: 10.26 cy
MATERIAL LIST / FOOTING			
ITEM	MARK	DESCRIPTION	QTY.
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			

Vermont Agency of Transportation
RECEIVED
ON: December 11, 2013
and Checked for
CONFORMANCE
BY: Jennifer Fitch DATE: 12/23/13

APPROVAL STAMP:

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

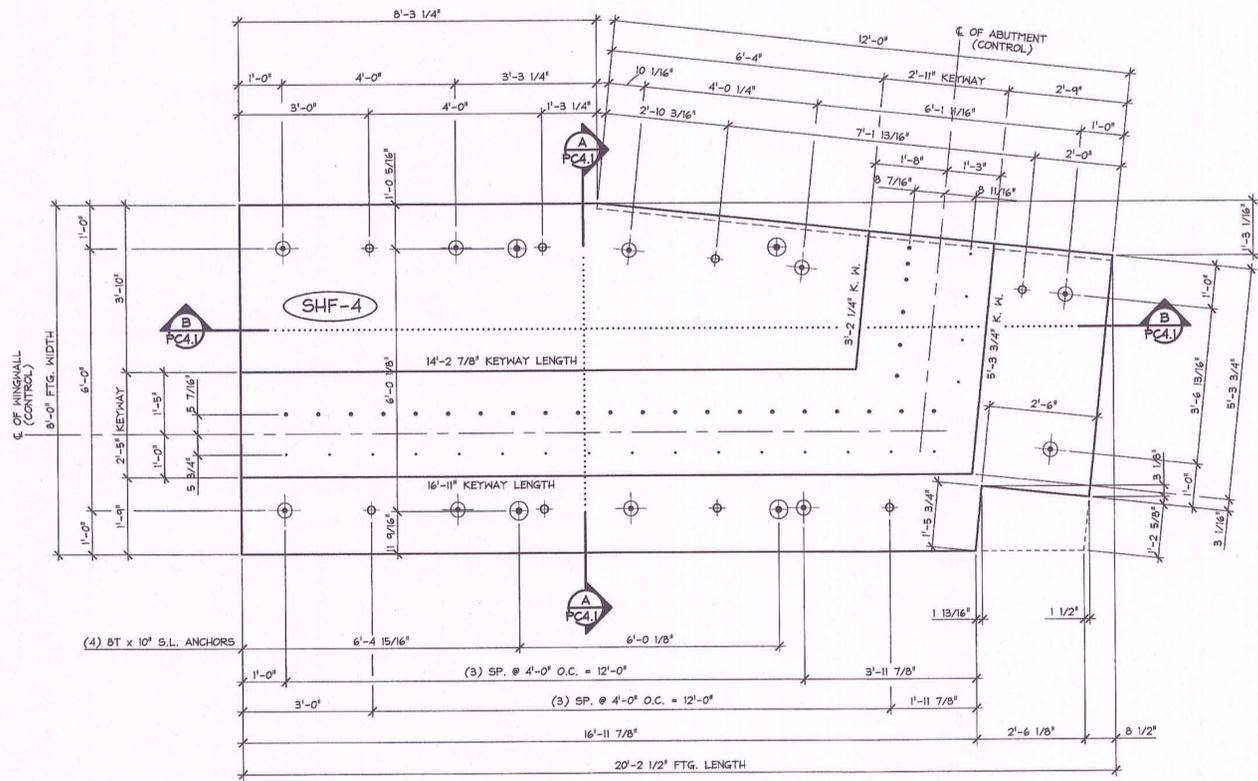
T. BUCK CONSTRUCTION
CONTRACTOR
AUBURN, MAINE

STATE OF VERMONT AGENCY OF TRANSPORTATION
COUNTY OF ADDISON

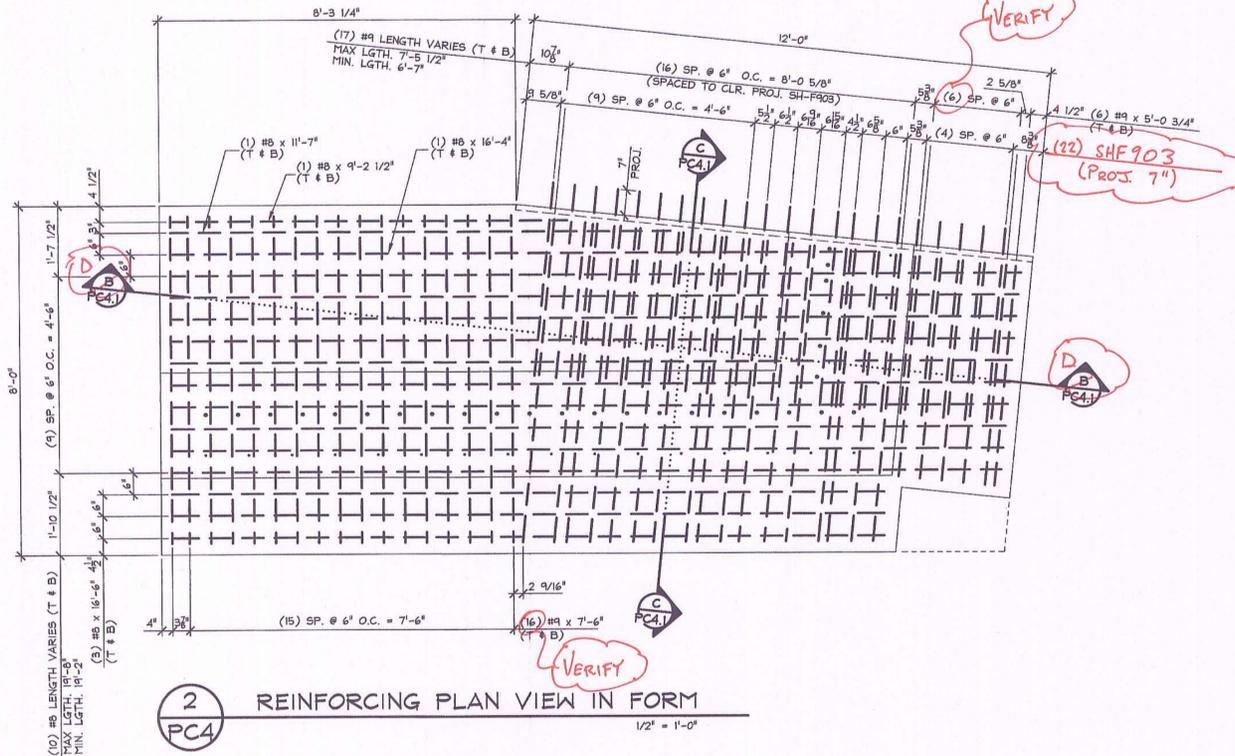
TOWN OF MIDDLEBURY
ROUTE NO. VT 128 EAST MIDDLEBURY GORGE
BRIDGE NO. 13 PROJECT NO.: RS 0174(B)

P/C FOOTING DETAILS

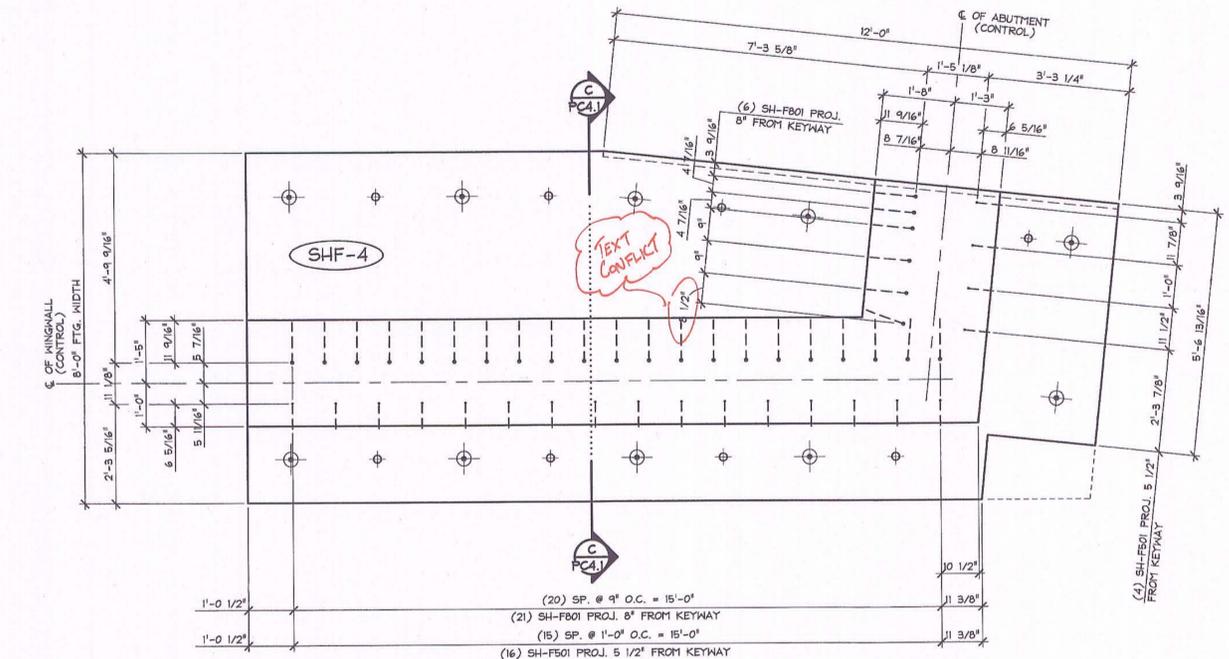
DATE: OCT. 9, 2013
SCALE: NOTED
CHKD: DFTM: T.D.
JOB NO: 23411-013
DWG. NO: PC3.1



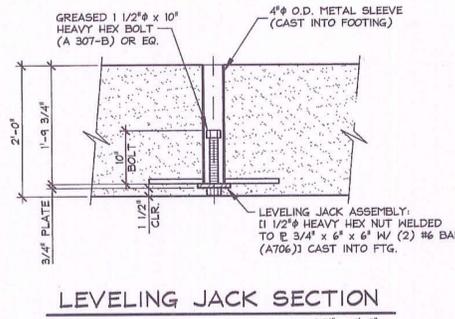
1 DIMENSIONAL PLAN VIEW IN FORM
1/2" = 1'-0"



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



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



LEVELING JACK SECTION
3/4" = 1'-0"

PLEASE PROVIDE PLAN VIEW OF LEVELING JACK ASSEMBLY

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 Vanasse Hangen Brustlin, Inc.
Job Number: 57458-00
Reviewed By: C.S. Goodrich
Date: 11-23-2013

- SHOP NOTES:**
- HOLD LAYOUT AND PROJECTION OF SH-F502 & SH-F801 PROJECTING BARS.
 - HOLD LAYOUT AND DEPTH OF 6" KEYWAY.
 - USE TEMPLATE TO COORDINATE PROJECTING REINFORCEMENT WITH NMB SPLICE SLEEVE LOCATIONS IN KING WALLS & ABUTMENTS.
 - PROJECTING SH-F903 BARS SHALL BE PLACED AS SHOWN WITH 1/2"± TOLERANCE.
 - ADJUST LEVELING BOLTS AND GROUT SLEEVES AS REQUIRED TO CLEAR REINFORCEMENT MATS.

NOTE: SEE DRAWING PC4.1 FOR REINFORCEMENT

SUBMITTED
DEC 9 2013
J.P. CARRARA & SONS, INC.
MIDDLEBURY, VT 05753

3500 PSI @ RELEASE
5000 PSI @ 28 DAYS
MIX DESIGN: 448M5CC

ITEM	MARK	DESCRIPTION	QTY.
1		#8 x 11'-7"	2
2		#8 x 9'-2 1/2"	2
3		#8 x 16'-4"	2
4		#8 x 19'-8"	20
5		#8 x 16'-6"	6
6		#9 x 5'-0 3/4"	12
7		#9 x 7'-5 1/2"	34
8			
9	SH-F903	#9 BENT BAR	22
10	SH-F801	#8 BENT BAR	27
11	SH-F501	#5 BENT BAR	20
12		DAYTON 8T x 10" SWIFT LIFT ANCHORS (WITH RECESS PLUG)	4
13		2" I.D. x 2'-0" PVC SLEEVE	8
14		LEVELING JACK ASSEMBLY	10
15			

APPROVAL STAMP:

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

T. BUCK CONSTRUCTION
CONTRACTOR
AUBURN, MAINE

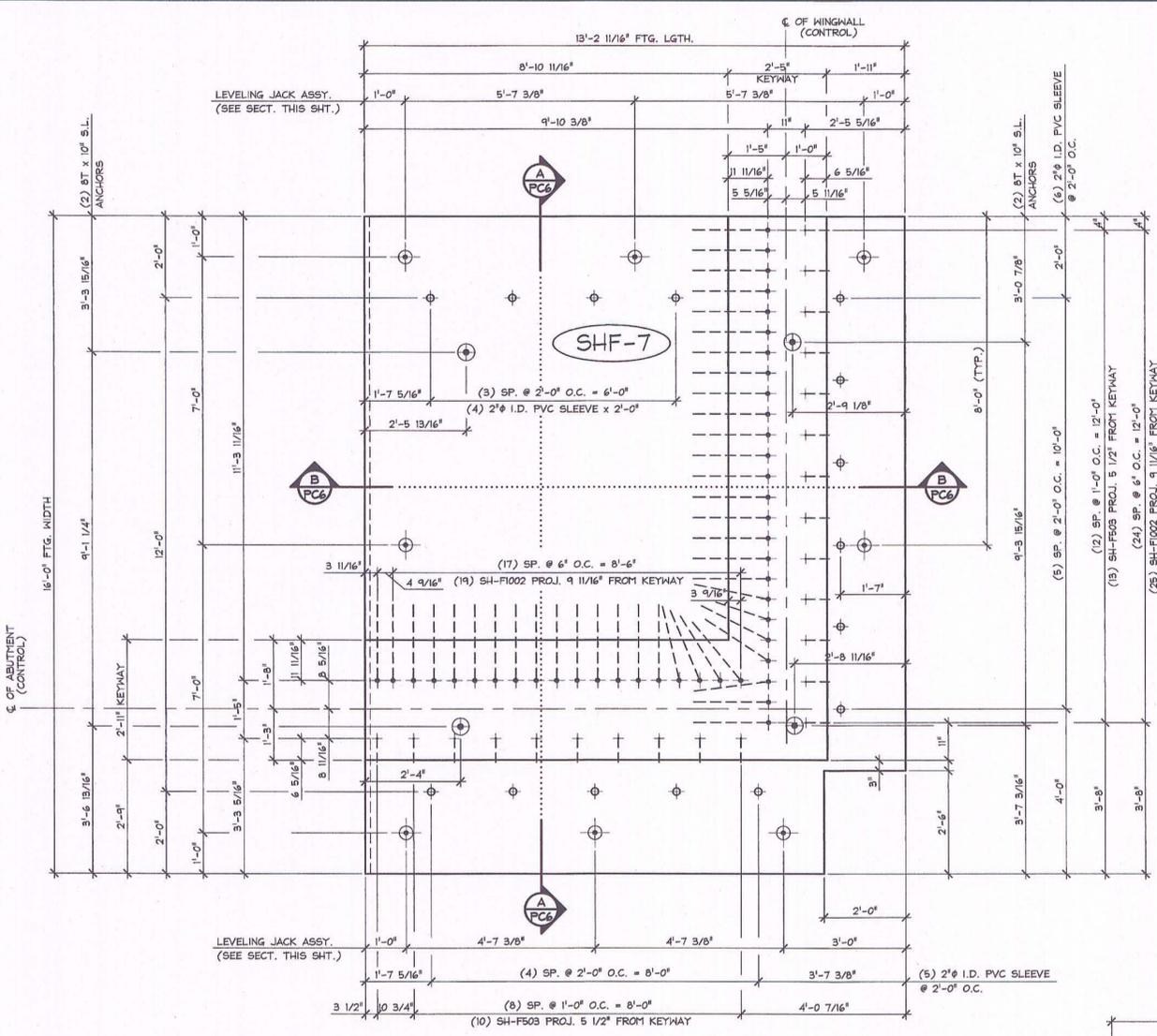
STATE OF VERMONT AGENCY OF TRANSPORTATION
COUNTY OF ADDISON

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

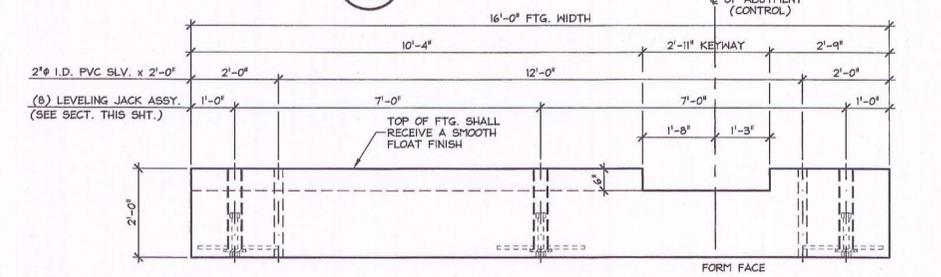
P/C FOOTING DETAILS

DATE: OCT. 9, 2013
SCALE: NOTED
CHKD: DFTM: T.D.
JOB NO: 23411-013
DWG. NO: PC4

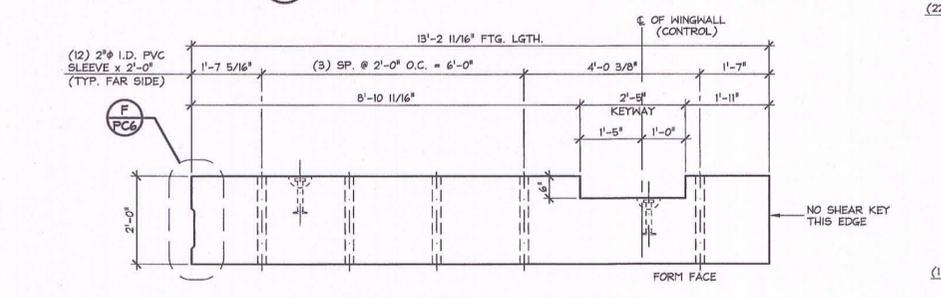
Vermont Agency of Transportation
RECEIVED
ON: December 11, 2013
and Checked for
CONFORMANCE
BY: Jennifer Fitch DATE: 12/23/13



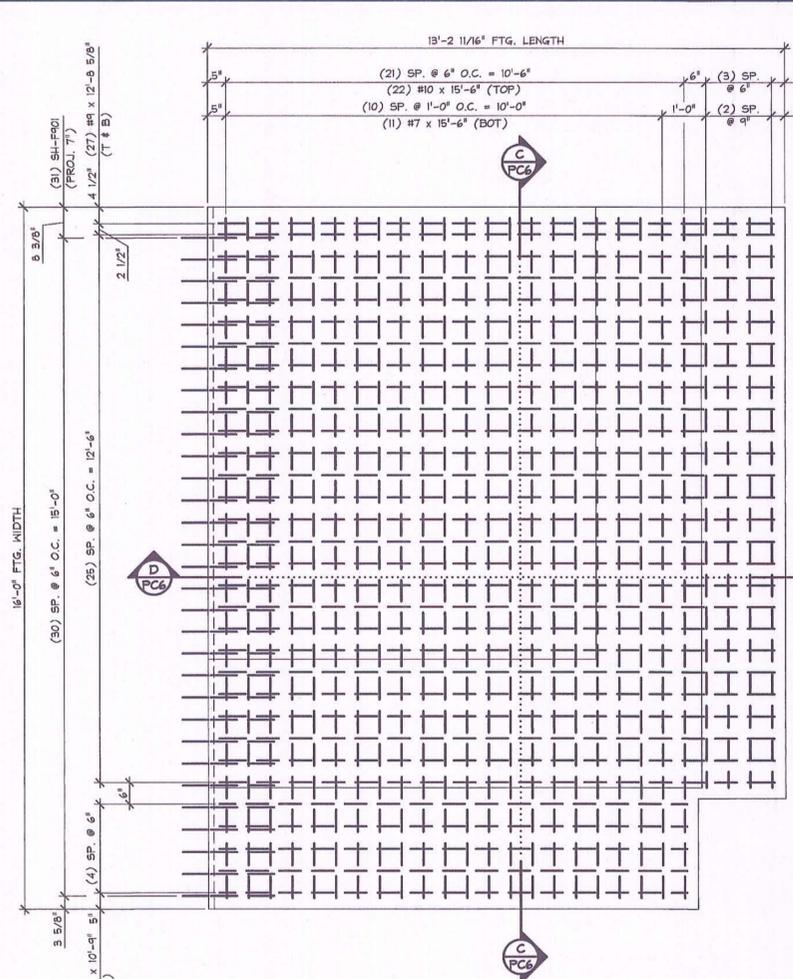
1 DIMENSIONAL PLAN VIEW IN FORM
PC6



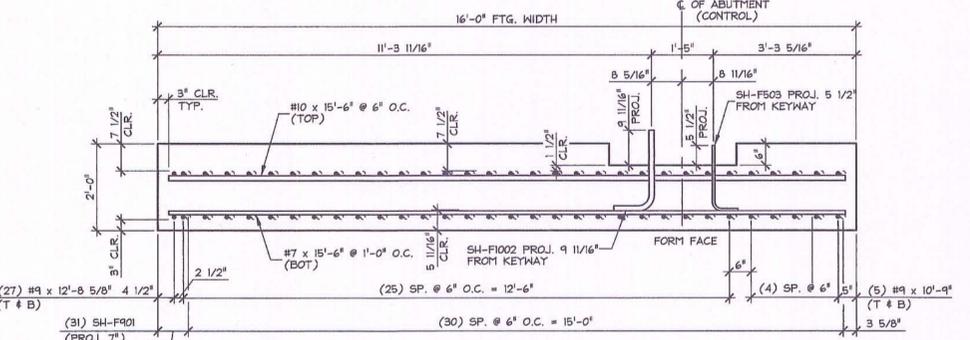
A DIMENSIONAL SECTION
1/2\"/>



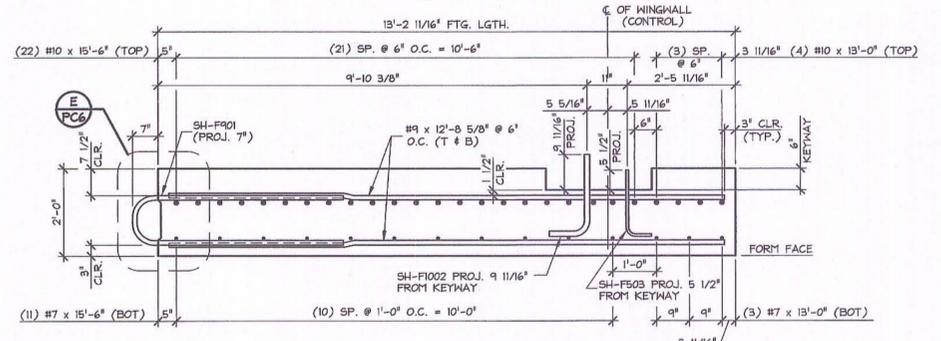
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1/2\"/>



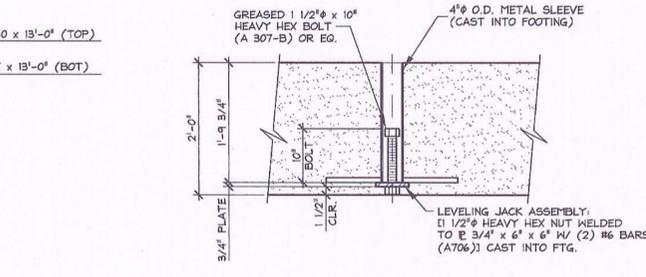
2 REINFORCING PLAN VIEW IN FORM
PC6



C REINFORCING SECTION
1/2\"/>

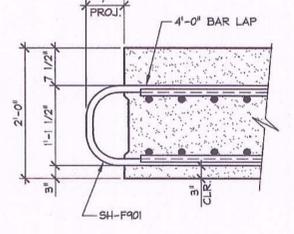


D REINFORCING SECTION
1/2\"/>

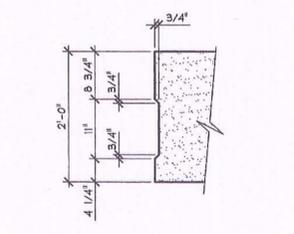


LEVELING JACK SECTION
3/4\"/>

PLEASE PROVIDE PLAN VIEW OF LEVELING JACK ASSEMBLY



E REINF. DETAIL
3/4\"/>



F KEYWAY DETAIL
3/4\"/>

Vermont Agency of Transportation
RECEIVED
ON: December 11, 2013
and Checked for
CONFORMANCE
BY: Jennifer Fitch DATE: 12/23/13

- SHOP NOTES:**
- HOLD LAYOUT AND PROJECTION OF SH-F503 & SH-F1002 PROJECTING BARS.
 - HOLD LAYOUT AND DEPTH OF 6\"/>

SUBMITTED
DEC 9 2013
J. P. CARRARA & SONS, INC.
MIDDLEBURY, VT 05753
3500 PSI @ RELEASE
5000 PSI @ 28 DAYS
MIX DESIGN: 445MSCC

SHOP DRAWING REVIEW

REVIEWED AS REQUIRED BY THE CONSTRUCTION CONTRACT REQUIREMENTS AND APPROVED BUT NOT GUARANTEED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AUTHORITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AUTHORITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AUTHORITIES.

VHB
Vermont Highway Builders, Inc.
Reviewed By: [Signature]
Date: 12-23-13

MARK: SHF-7	QTY.: 1	WT.: 28.81 T	VOL.: 14.22 cy
MATERIAL LIST / FOOTING			
ITEM	MARK	DESCRIPTION	QTY.
1	#9 x 10'-9"	BLACK	10
2	#9 x 12'-8 5/8"	BLACK	54
3	#10 x 15'-6"	BLACK	22
4	#10 x 13'-0"	BLACK	4
5	#7 x 15'-6"	BLACK	11
6	#7 x 13'-0"	BLACK	3
7			
8	DAYTON 6T x 10\"/>		
9	2\"/>		
10			
11	LEVELING JACK ASSEMBLY		8
12			
13	SH-F1002	#10 BENT BAR BLACK	44
14	SH-F503	#5 BENT BAR BLACK	23
15	SH-F901	#9 BENT BAR BLACK	31

APPROVAL STAMP:

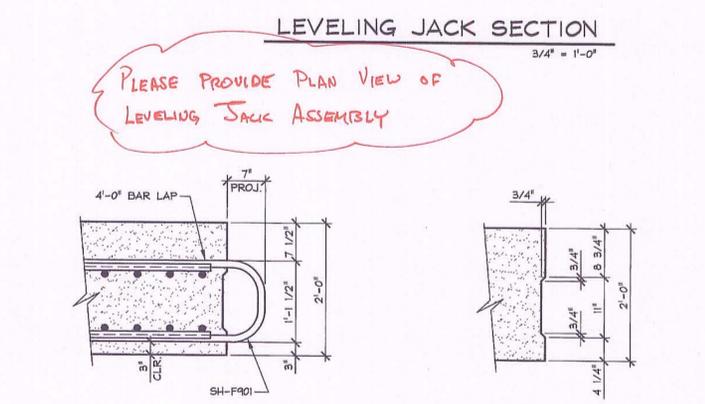
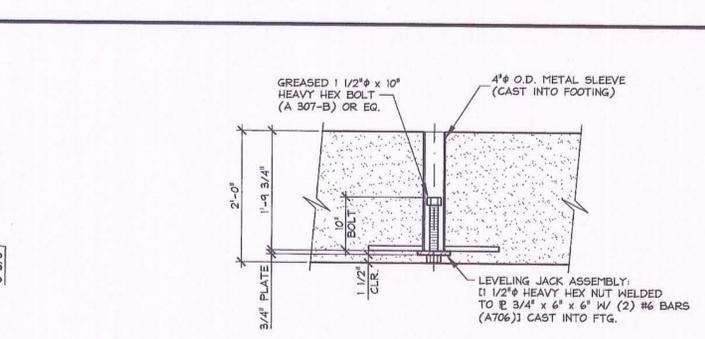
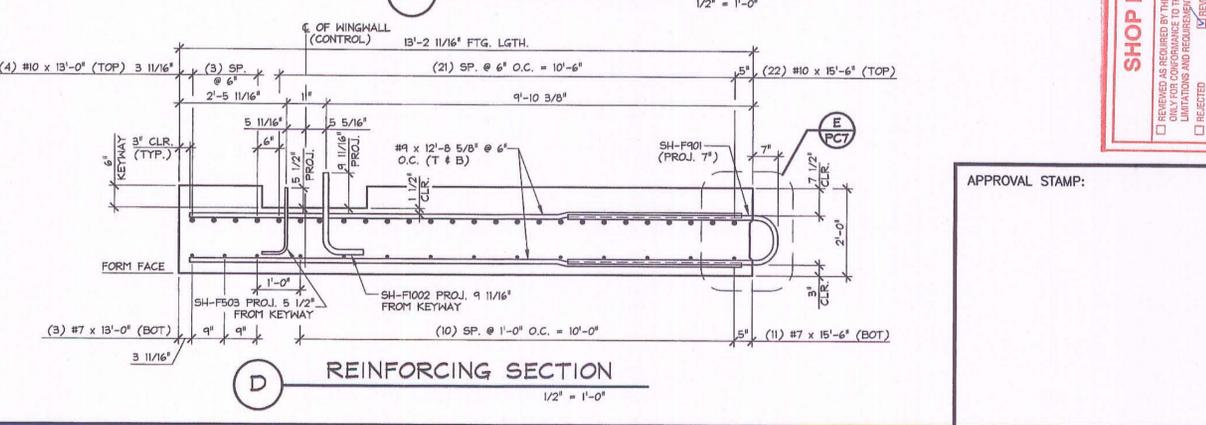
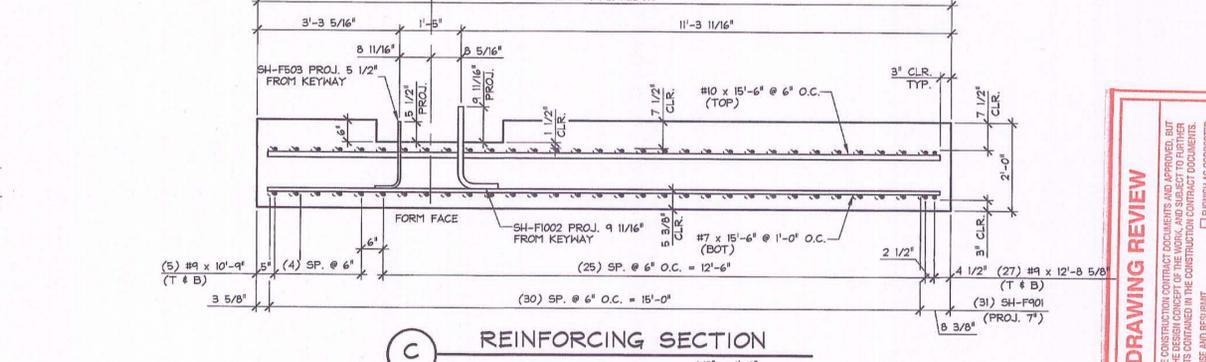
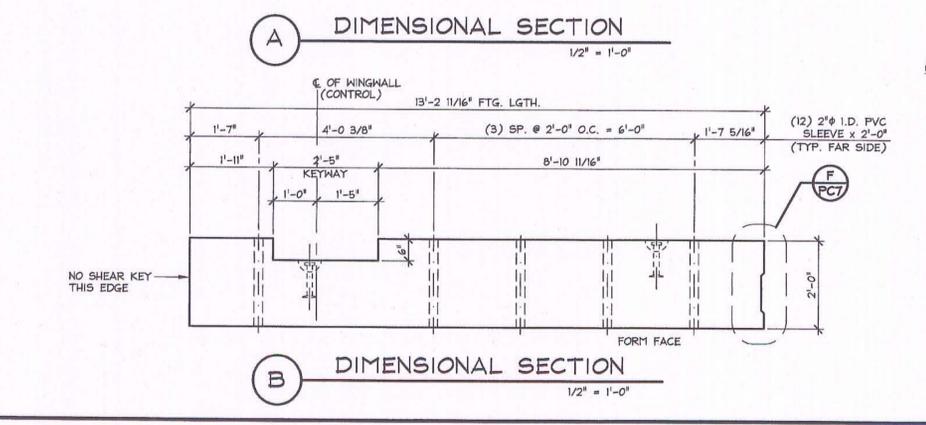
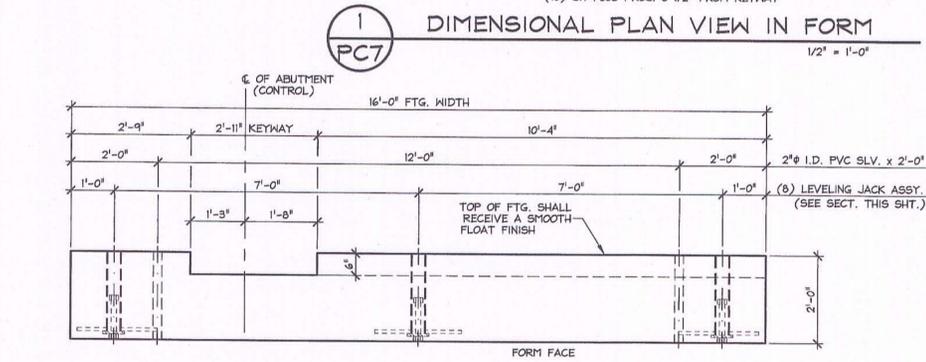
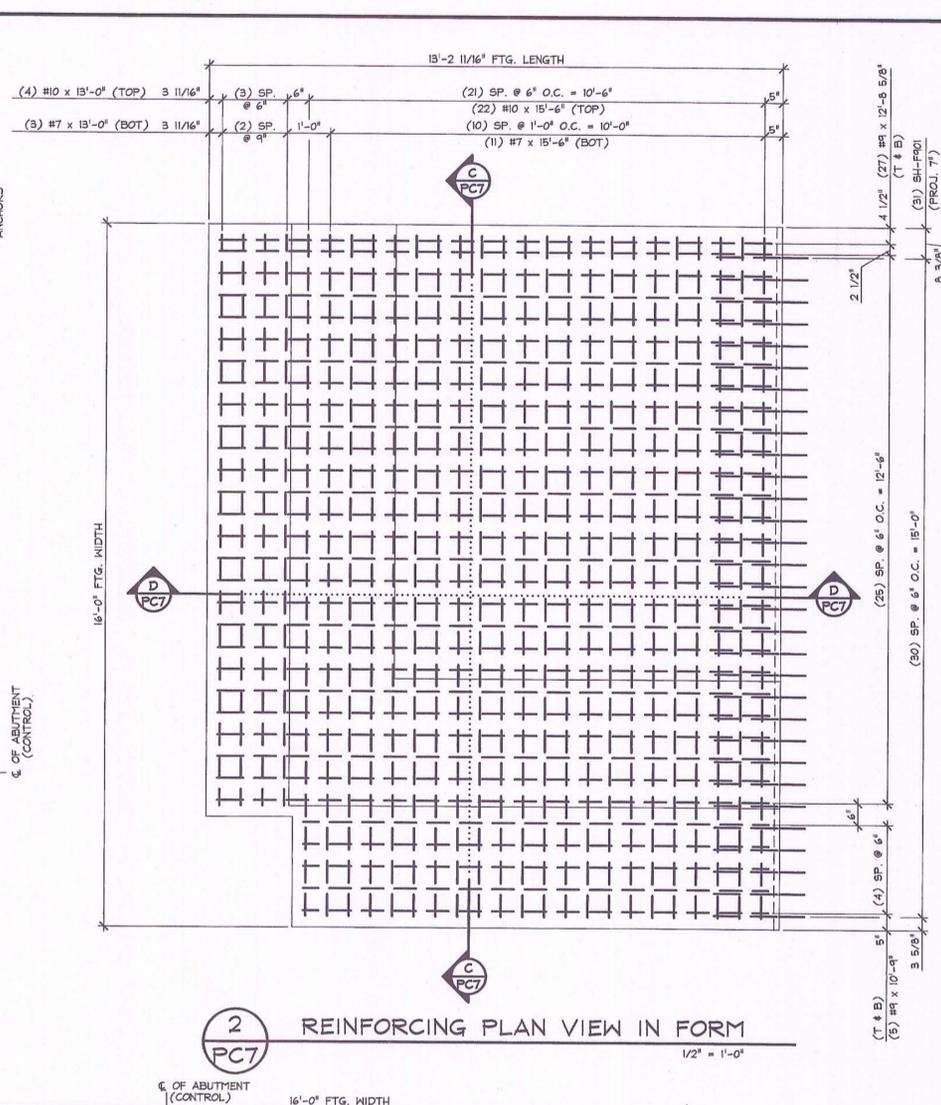
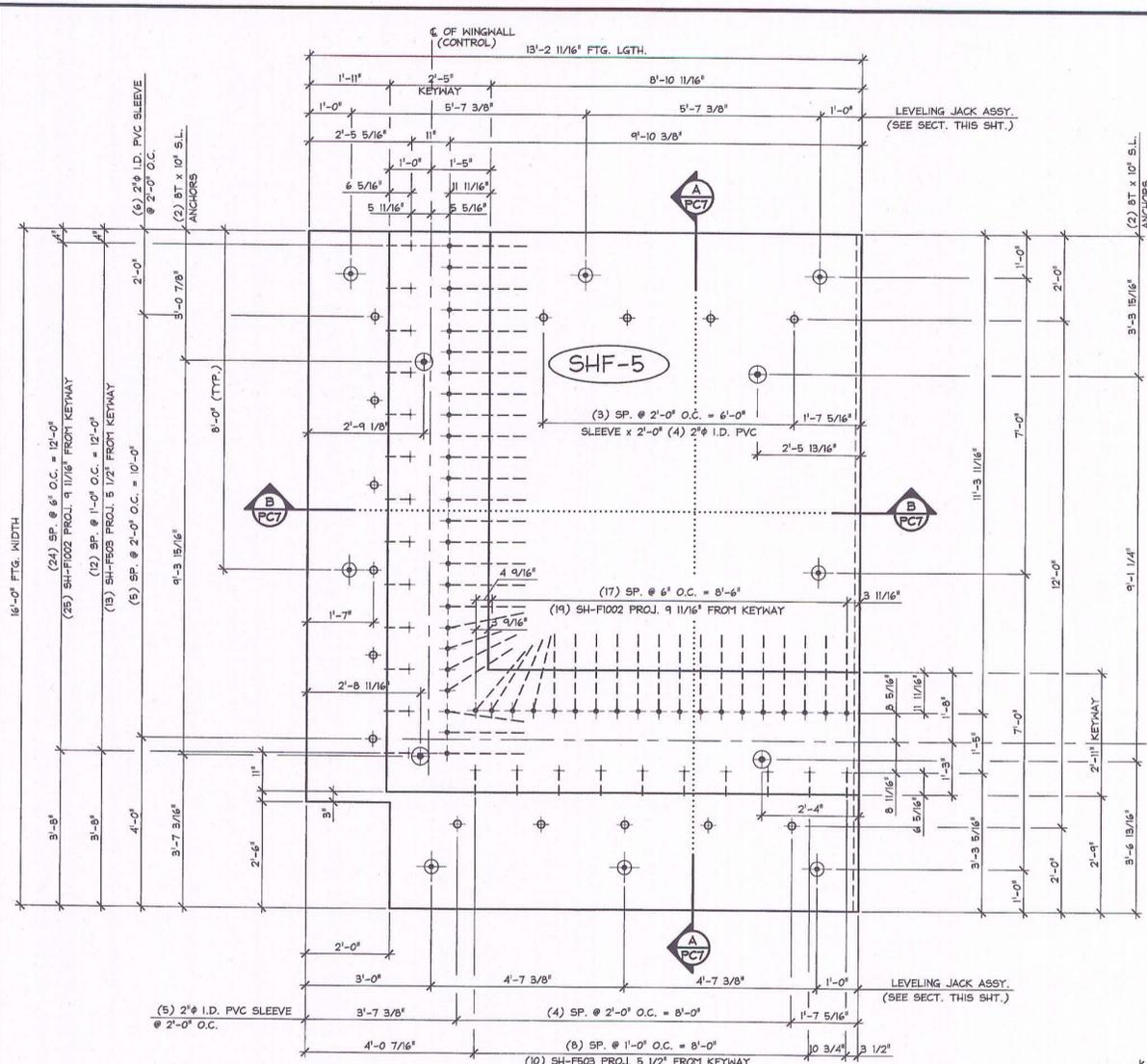
J.P. CARRARA & SONS INC.
Precast & Prestress Manufacturer
244 GISE STR., MIDDLEBURY, VERMONT 05753 Phone: (802)388-6361 Fax: (802)388-9010

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)

DATE: OCT. 9, 2013
SCALE: NOTED
CHKD: [Signature] DFTM: T.D.
JOB NO: 23411-013
DWG. NO: PC6



PLEASE PROVIDE PLAN VIEW OF LEVELING JACK ASSEMBLY

Vermont Agency of Transportation
RECEIVED
ON: December 11, 2013
and Checked for
CONFORMANCE
BY: Jennifer Fitch DATE: 12/23/13

SHOP NOTES:

- HOLD LAYOUT AND PROJECTION OF SH-F503 & SH-F1002 PROJECTING BARS.
- HOLD LAYOUT AND DEPTH OF 6" KEYWAY.
- USE TEMPLATE TO COORDINATE PROJECTING REINFORCEMENT WITH NMB SPLICE SLEEVE LOCATIONS IN WING WALLS & ABUTMENTS.
- PROJECTING SH-F901 BARS SHALL BE PLACED AS SHOWN WITH 1/2"± TOLERANCE.
- ADJUST LEVELING BOLTS AND GROUT SLEEVES AS REQUIRED TO CLEAR REINFORCEMENT MATS.

3500 PSI @ RELEASE
5000 PSI @ 28 DAYS

MIX DESIGN: 465MSCC

SHOP DRAWING REVIEW

REVIEWED BY: [Signature]
DATE: [Date]

MARK: SHF-5 QTY.: 1 WT.: 28.81 T VOL.: 14.22 cy

MATERIAL LIST / FOOTING

ITEM	MARK	DESCRIPTION	QTY.
1		#9 x 10'-4" BLACK	10
2		#9 x 12'-8 5/8" BLACK	54
3		#10 x 15'-6" BLACK	22
4		#10 x 13'-0" BLACK	4
5		#7 x 15'-6" BLACK	11
6		#7 x 13'-0" BLACK	3
7			
8		DAYTON 8T x 10" SHIFLIFT ANCHORS (WITH RECESS PLUG)	4
9		2" I.D. x 2'-0" PVC SLEEVE	15
10			
11		LEVELING JACK ASSEMBLY	8
12			
13	SH-F1002	#10 BENT BAR BLACK	44
14	SH-F503	#5 BENT BAR BLACK	23
15	SH-F901	#9 BENT BAR BLACK	31

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(8)

DATE: OCT. 9, 2013
SCALE: NOTED
CHKD: DFTM: T.D.
JOB NO: 23411-013
DWG. NO: PC7