

State of Vermont
PDD/Structures Design Section
National Life Building – Drawer 33
Montpelier, VT 05633-5001
www.aot.state.vt.us

Agency of Transportation

[phone] 802-828-01611
[fax] 802-828-3566
[ttd] 800-253-0191

June 24, 2015

J. A. McDonald, Inc.
PO Box 132
Lyndon Center, VT 05850

Project Name: Lincoln BRF 0188(8)

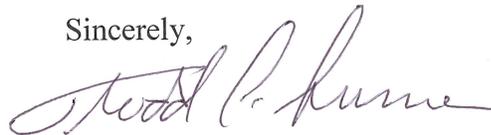
Structure Identification: TH 1, Bridge 19

The precast concrete fabrication drawings (revision 4) associated with Items 540.10 Precast Concrete Structure (Abutment #1) and (Abutment #2) and Item 900.640 Special Provision (Pre-stressed Concrete NEXT D Beams)(NEXT 28D), have been reviewed and is being returned herewith.

All sheets are approved.

You must provide at least 2 weeks notice to VTrans' fabrication inspector, Jim Wild and the Agency's Engineer, as to the date fabrication represented by these drawings will begin. You may contact Jim by phone at (802)828-6931 or email at jim.wild@state.vt.us. Any material fabricated prior to the notification date is subject to rejection without further cause.

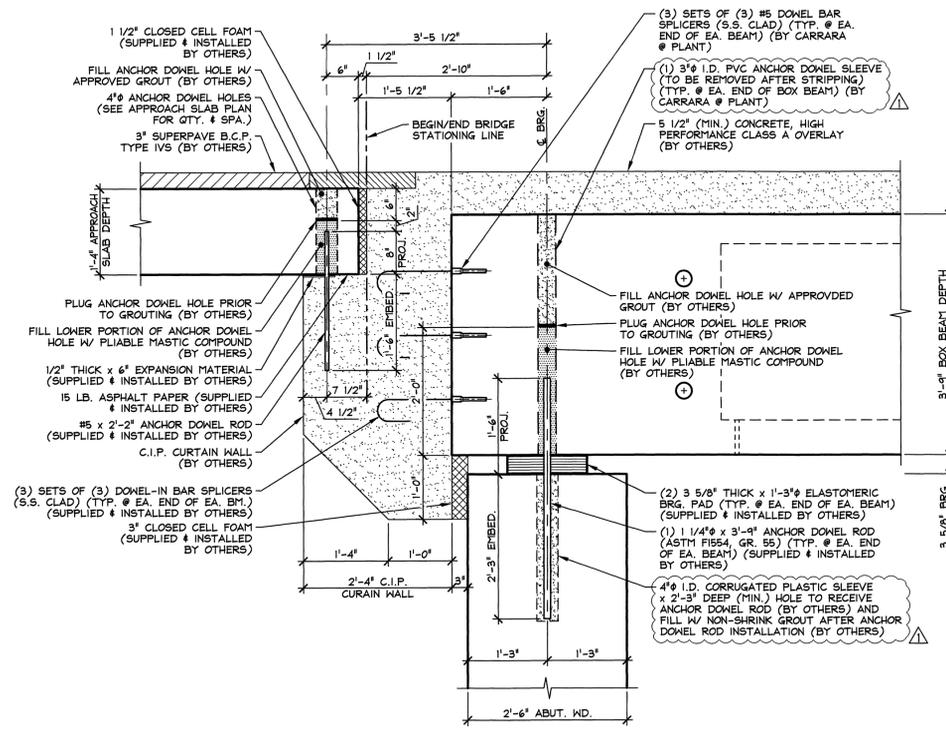
Sincerely,



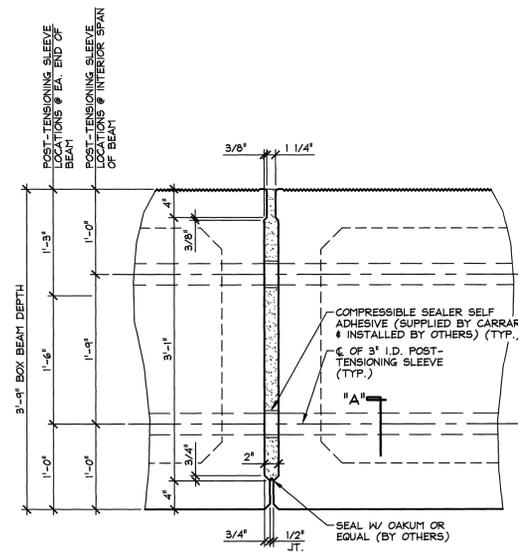
Todd A. Sumner P.E.
Project Manager

RECEIVED
 ON: **June 23, 2015**
 and Checked for
CONFORMANCE

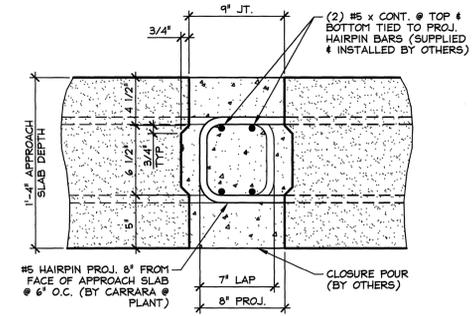
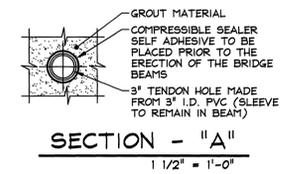
BY: **Todd A. Sumner** DATE: **06/23/2015**



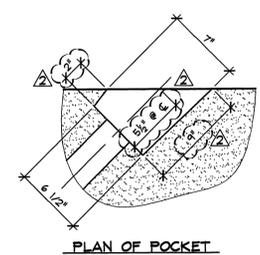
A BEARING SECTION
 FB 3/4" = 1'-0"



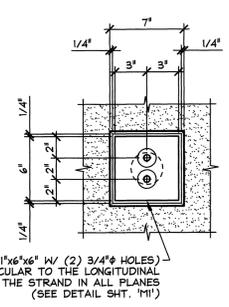
B SHEAR KEY SECTION @ P.T. SLEEVE
 FB 1" = 1'-0"



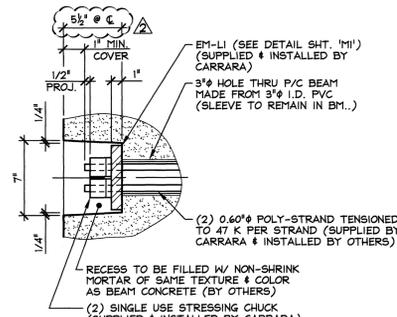
C SHEAR KEY SECTION @ APPROACH SLABS
 FB 1 1/2" = 1'-0"



PLAN OF POCKET

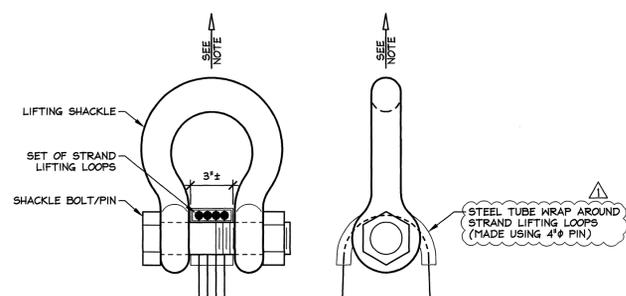


FASCIA ELEVATION



SECTION AT CENTERLINE

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



NOTE: BEAMS SHALL BE HANDLED AND ERECTED USING THE LIFTING LOOPS ONLY. RIGGING SHALL BE CONFIGURED SUCH THAT EQUAL FORCES ARE APPLIED TO EACH SET OF LIFTING LOOPS AT EACH END OF THE SLAB. SHACKLE BOLT/PIN SHALL BE PLACED UNDER LIFT LOOPS AS SHOWN. DESIGN AND CONFIGURATION OF RIGGING BY PURCHASER.

LIFTING SHACKLE DETAILS
 N.T.S.

SUBMITTAL REVIEW	
Review is only for general conformity to the contract drawings and specifications and shall not relieve the contractor of his entire responsibility under the contract, including among other things, dimensions to be confirmed and correlated at the job site, and information that pertains to the fabrication processes or to techniques of construction.	
<input checked="" type="checkbox"/>	NO EXCEPTIONS TAKEN
<input type="checkbox"/>	MAKE CORRECTIONS NOTED
<input type="checkbox"/>	RESUBMITTAL NOT REQUIRED
<input type="checkbox"/>	AMEND AND RESUBMIT
<input type="checkbox"/>	REJECTED - SEE REMARKS
BY: <i>Ran & Son</i>	
DATE: <i>6/23/2015</i>	

- 6-22-15 REVISE POST-TENSIONING POCKET
- 4-27-15 REVISED AS NOTED

APPROVAL STAMP:	J.P. CARRARA & SONS INC. Precast & Prestress Manufacturer 2464 OISE ST., MIDDLEBURY, VERMONT 05751 Phone: (802)388-6361 Fax: (802)388-9010	J.A. McDONALD, INC. CONTRACTOR LYNDON CENTER, VERMONT
STATE OF VERMONT AGENCY OF TRANSPORTATION COUNTY OF ADDISON	DATE: FEB. 6, 2015	SCALE: NOTED
TOWN OF LINCOLN TH 1 (RURAL MAJOR COLLECTOR) OVER NEW HAVEN RIVER BRIDGE NO.: 19 PROJECT NO.: BRP 0188 (8)	CHKD: M.W. DFTM: B.L.	JOB NO: 23459-015
PRESTRESSED BOX BEAM SECTIONS & DETAILS	DWG. NO: F8	

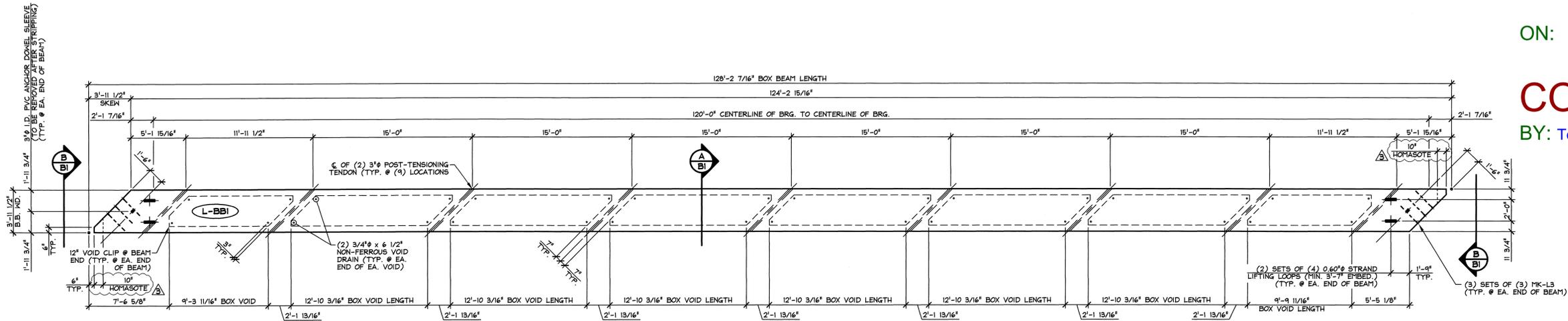
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ON: **June 23, 2015**

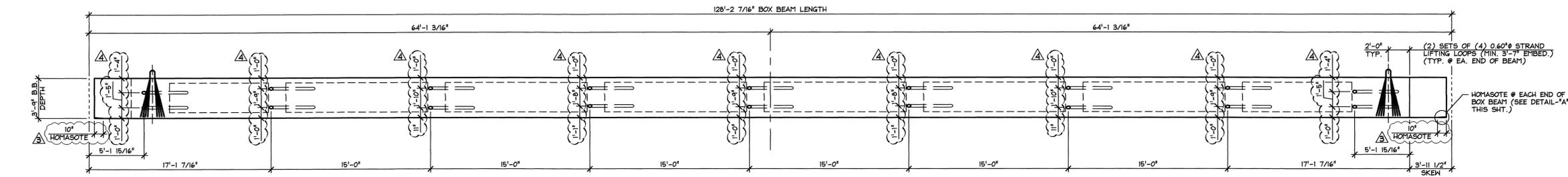
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CONFORMANCE

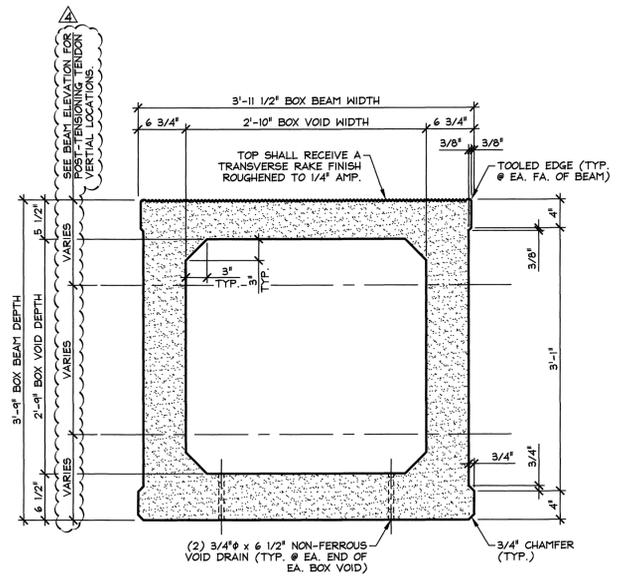
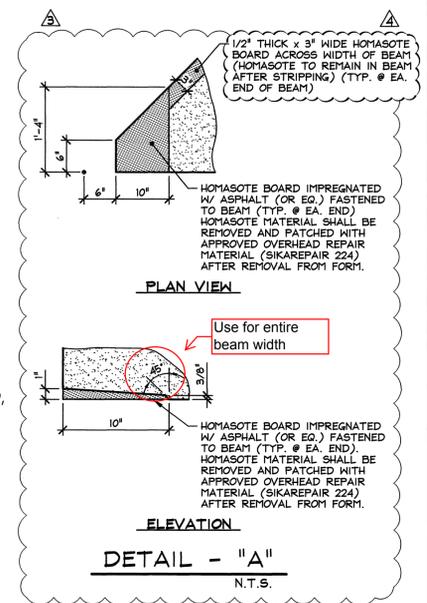
BY: **Todd A. Sumner** DATE: **06/23/2015**



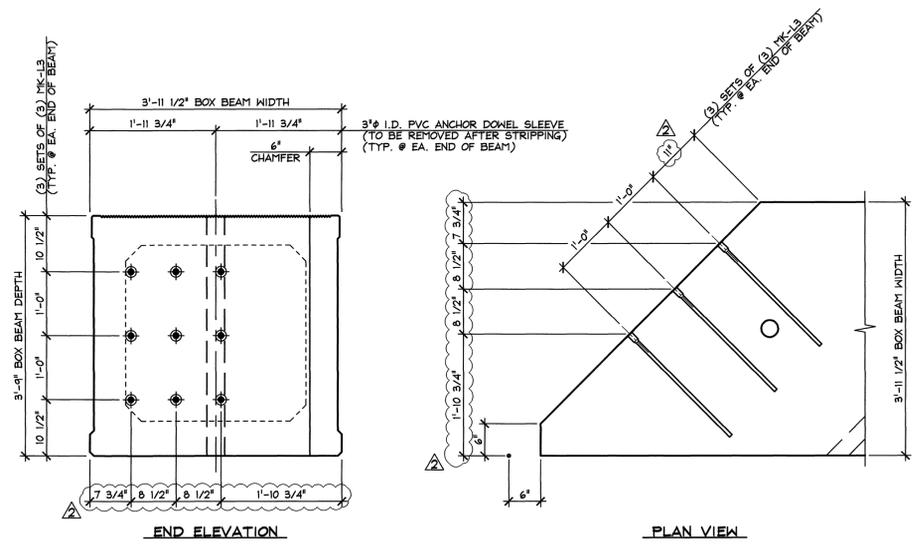
1 DIMENSIONAL PLAN VIEW IN FORM
3/16" = 1'-0"



2 DIMENSIONAL ELEVATION
3/16" = 1'-0"



A DIMENSIONAL SECTION
1" = 1'-0"



B BEAM END DETAILS
3/4" = 1'-0"

SUBMITTAL REVIEW
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NO EXCEPTIONS TAKEN
 MAKE CORRECTIONS NOTED
 RESUBMITTAL NOT REQUIRED
 AMEND AND RESUBMIT
 REJECTED - SEE REMARKS

BY: *Ram. G. ...*
DATE: *6/23/2015*

- △ 6-22-15 REVISE P.T. TENDON LOCATIONS
- △ 6-17-15 REVISE HOMASOTE DETAIL
- △ 5-11-15 REVISED AS NOTED
- △ 4-27-15 GENERAL REVISIONS

SHOP NOTE:
f'c = 8,000 PSI
f'ci = 6,000 PSI
MIX #426M (NO DCl)

MARK: L-BBI	QTY.: 6	WT.: 76.64 T	VOL.: 37.84 cy
MATERIAL LIST / BOX BEAM			
ITEM	MARK	DESCRIPTION	QTY.
1			
2			
3	MK-L3	DAYTON #5 x 2'-3" D-101-A STRAIGHT DOWEL BAR SPICER (STAINLESS STEEL CLAD)	18
4			
5			
6		3/4" x 6 1/2" NON-FERROUS VOID DRAIN	32
7		2'-10" x 2'-9" x 9'-9" 11/16" BOX VOID	2
8		2'-10" x 2'-9" x 12'-10 3/16" BOX VOID	6
9		SET OF (4) 0.60" STRAND LIFTING LOOPS	4
10			

APPROVAL STAMP:

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

J.A. McDONALD, INC.
CONTRACTOR
LYNDON CENTER, VERMONT

DATE: FEB. 6, 2015
SCALE: NOTED
CHKD: M.W. DFTM: B.L.
JOB NO: 23459-015

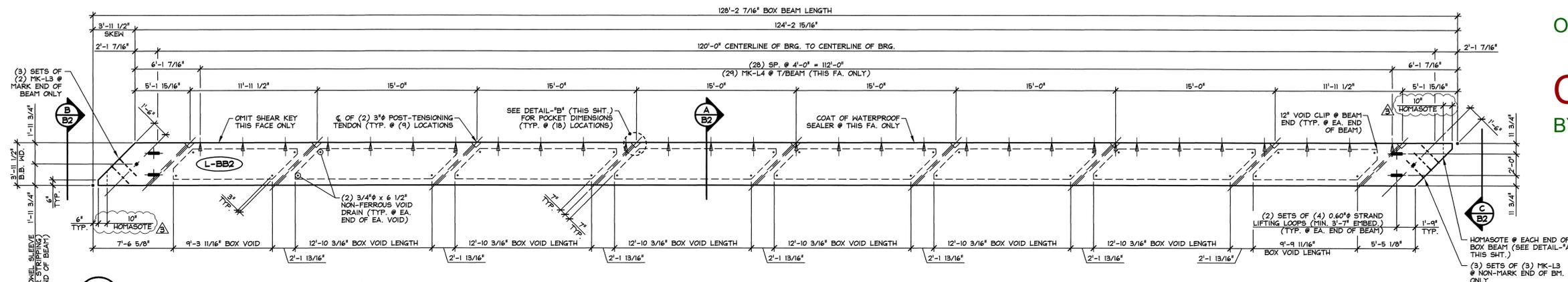
STATE OF VERMONT AGENCY OF TRANSPORTATION
COUNTY OF ADDISON

TOWN OF LINCOLN
TH 1 (RURAL MAJOR COLLECTOR) OVER NEW HAVEN RIVER
BRIDGE NO.: 19 PROJECT NO.: BRP 0188 (8)

PRESTRESSED BOX BEAM DIMENSIONAL DETAILS

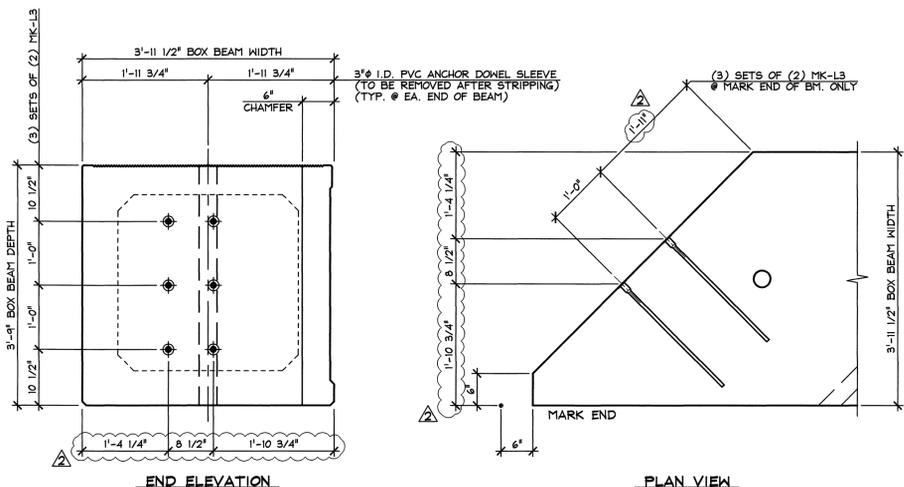
DWG. NO: **B1**

RECEIVED
 ON: **June 23, 2015**
 and Checked for
CONFORMANCE
 BY: **Todd A. Sumner** DATE: **06/23/2015**

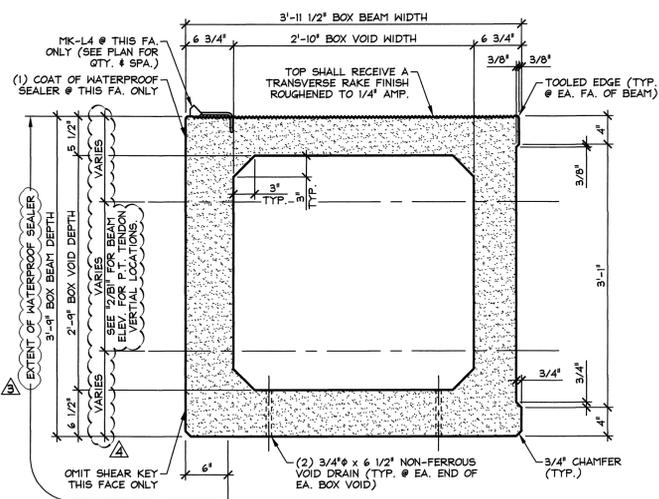
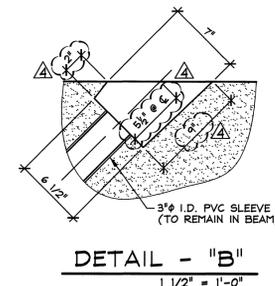
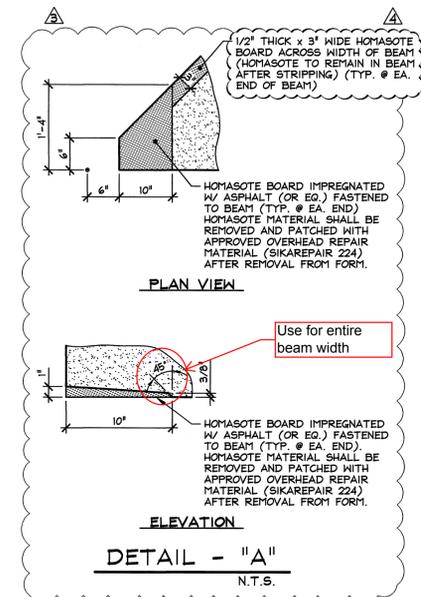


1 DIMENSIONAL PLAN VIEW IN FORM
 B2 3/16" = 1'-0"

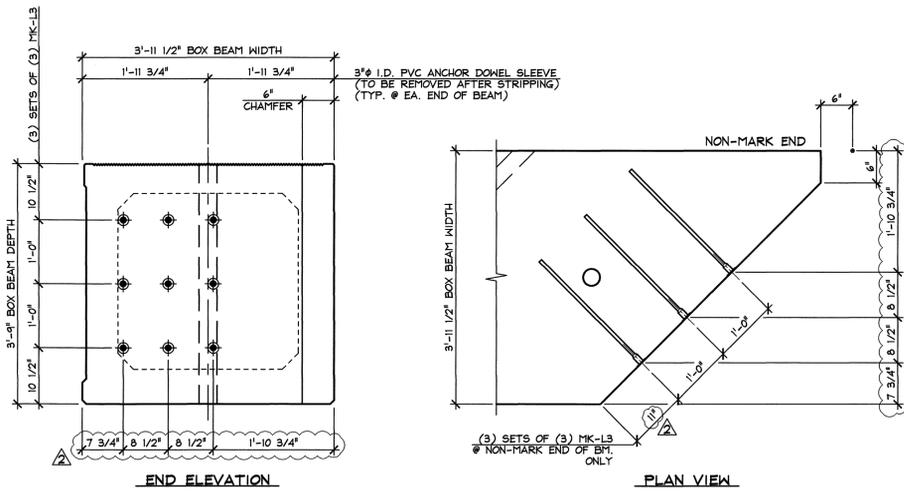
SHOP NOTE:
 SEE 1/2" B1 FOR BEAM ELEVATION FOR POST-TENSIONING TENDON VERTICAL LOCATIONS.



B BEAM END DETAILS
 B2 3/4" = 1'-0"



A DIMENSIONAL SECTION
 B2 1" = 1'-0"



C BEAM END DETAILS
 B2 3/4" = 1'-0"

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 NO EXCEPTIONS TAKEN
 MAKE CORRECTIONS NOTED
 RESUBMITTAL NOT REQUIRED
 AMEND AND RESUBMIT
 REJECTED - SEE REMARKS
 BY: *[Signature]*
 DATE: *6/23/2015*

SHOP NOTE:
 f'c = 8,000 PSI
 f'ci = 6,000 PSI
 MIX #426M (NO DCI)

MATERIAL LIST / BOX BEAM			
ITEM	MARK	DESCRIPTION	QTY.
1			
2			
3	MK-L3	DAYTON #5 x 2'-3" D-101-A STRAIGHT DOWEL BAR SPLICER (STAINLESS STEEL CLAD)	15
4	MK-L4	DAYTON C-24 TYPE 4-APR DECK FORM HANGER (GALV.)	29
5			
6		3/4" x 6 1/2" NON-FERROUS VOID DRAIN	32
7		2'-10" x 2'-9" x 9'-9 1/16" BOX VOID	2
8		2'-10" x 2'-9" x 12'-10 3/16" BOX VOID	6
9		SET OF (4) 0.60" STRAND LIFTING LOOPS	4
10			

- △ 6-22-15 REVISE P.T. TENDON LOCATIONS & POCKET DIMENSIONS
- △ 6-17-15 REVISE HOMASOTE DETAIL & WATERPROOFING
- △ 5-11-15 REVISED AS NOTED
- △ 4-27-15 GENERAL REVISIONS

APPROVAL STAMP:	J.P. CARRARA & SONS INC. Precast & Prestress Manufacturer 244 GSE SR., MIDDLEBURY, VERMONT 05753 Phone: (802)388-6361 Fax: (802)388-9010	J.A. McDONALD, INC. CONTRACTOR LYNDON CENTER, VERMONT
	STATE OF VERMONT AGENCY OF TRANSPORTATION COUNTY OF ADDISON	
	TOWN OF LINCOLN TH 1 (RURAL MAJOR COLLECTOR) OVER NEW HAVEN RIVER BRIDGE NO.: 19 PROJECT NO.: BRP 0188 (8)	
	PRESTRESSED BOX BEAM DIMENSIONAL DETAILS	
	DATE: FEB. 6, 2015	SCALE: NOTED
	CHKD: M.W. DFTM: B.L.	JOB NO: 23459-015
	DWG. NO: B2	

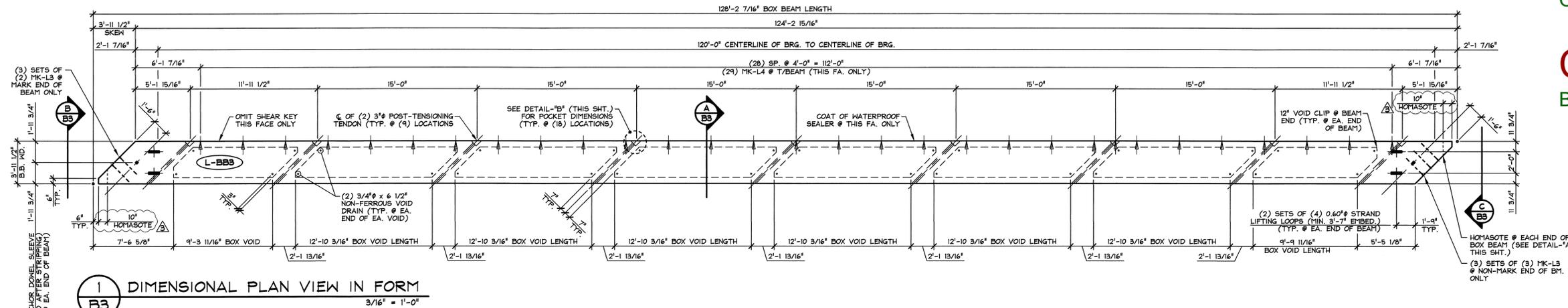
RECEIVED

ON: **June 23, 2015**

and Checked for

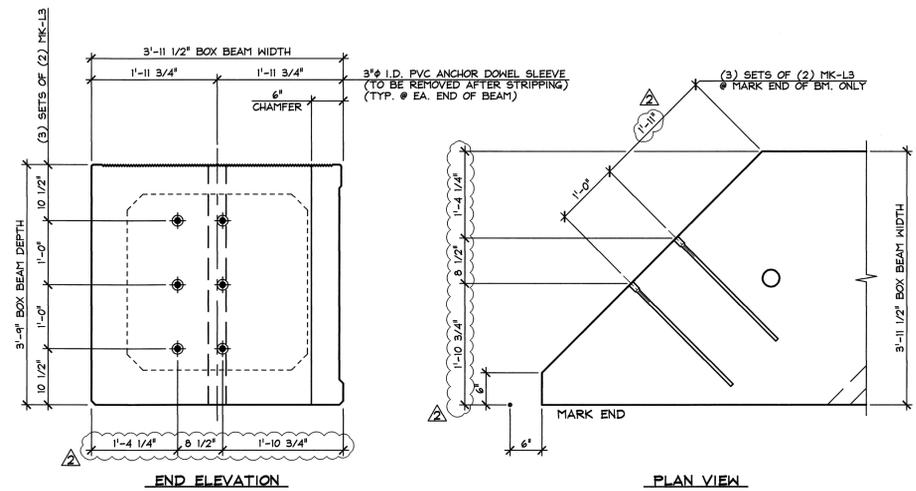
CONFORMANCE

BY: **Todd A. Sumner** DATE: **06/23/2015**

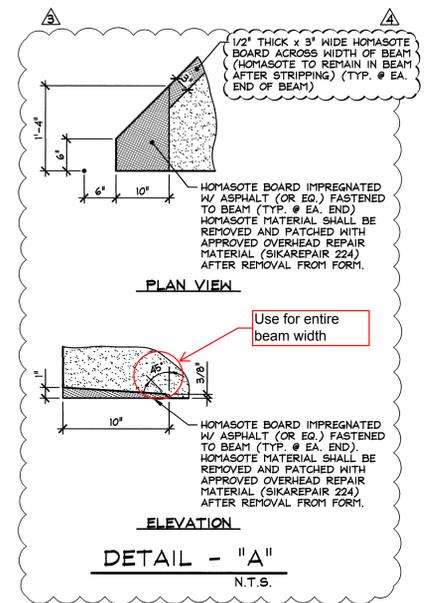


1 DIMENSIONAL PLAN VIEW IN FORM
3/16" = 1'-0"

SHOP NOTE:
SEE "2/B" FOR BEAM ELEVATION FOR POST-TENSIONING TENDON VERTICAL LOCATIONS.



B BEAM END DETAILS
3/4" = 1'-0"



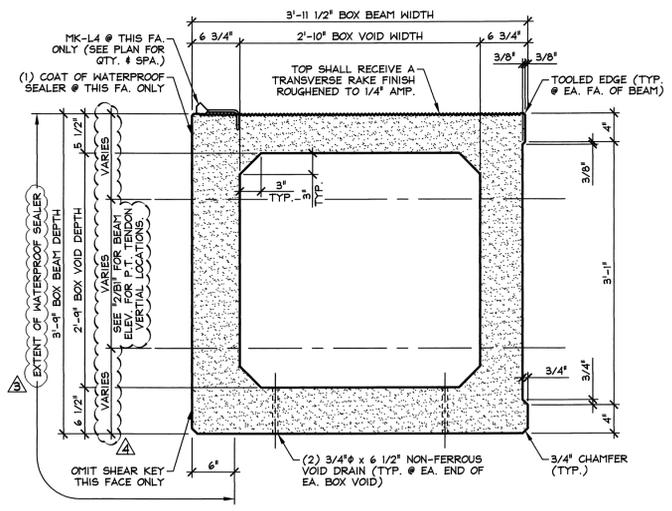
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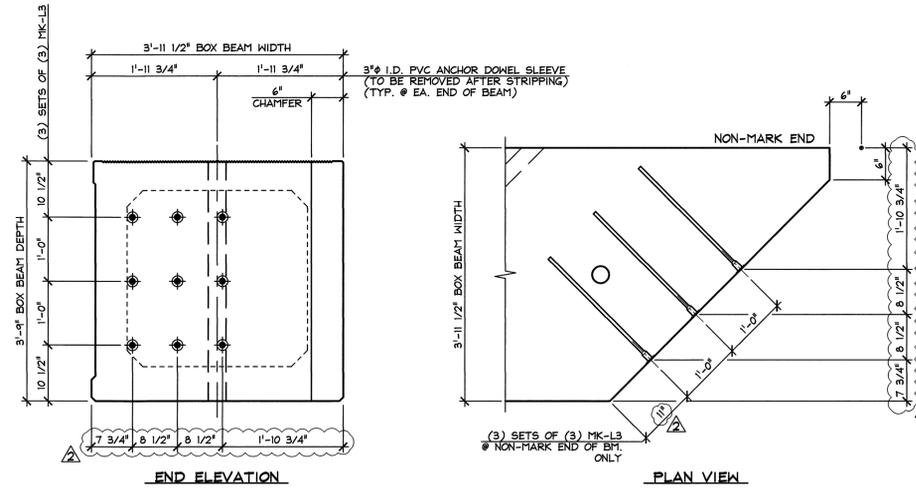
BY: *Ryan G. [Signature]*
DATE: *6/23/2015*

SHOP NOTE:
f'c = 8,000 PSI
f'ci = 6,000 PSI
MIX #426M (NO DCI)

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10			



A DIMENSIONAL SECTION
1" = 1'-0"



C BEAM END DETAILS
3/4" = 1'-0"

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PRESTRESSED BOX BEAM DIMENSIONAL DETAILS		DATE: FEB. 6, 2015 SCALE: NOTED CHKD: M.W. DFTM: B.L. JOB NO: 23459-015 DWG. NO: B3