Vermont Agency of Transportation

RECEIVED

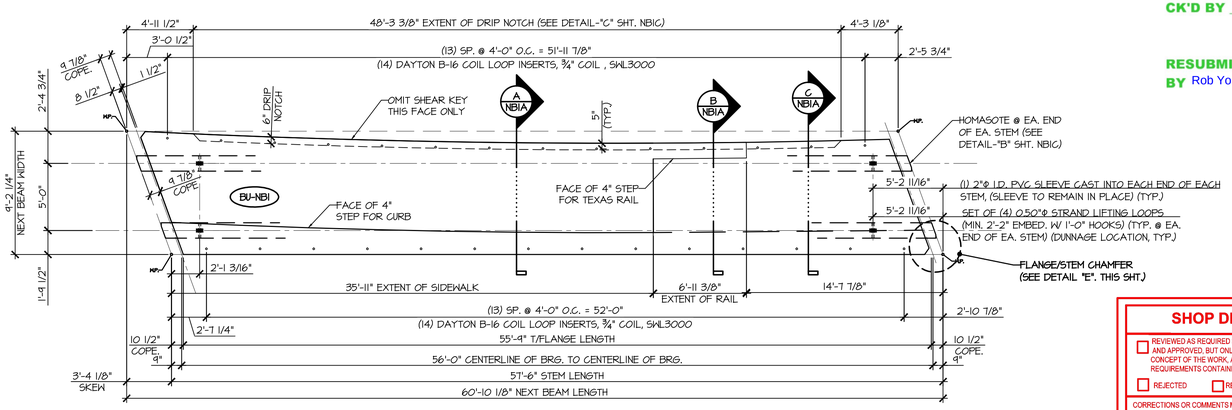
Burke Flange Closure Pour Inserts_STAMPED_FLATTENED.pdf

CK'D BY _____ OK'D BY Rob Young

May 1, 2015

RESUBMIT No Approved

BY Rob Young DATE 05/04/2015



1 NBIA **DIMENSIONAL PLAN VIEW IN FORM**

3/16" = 1'-0"

- SEE DETAIL "1/NBIB" FOR SIDEWALK, DRIVEWAY & RAILING LAYOUT & REINFORCEMENT DETAILS
- SEE DETAIL "2/NBIB" FOR CURVED FLANGE LAYOUT

SHOP DRAWING REVIEW

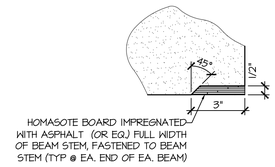
☐ REVIEWED AS REQUIRED BY THE CONSTRUCTION CONTRACT DOCUMENTS AND APPROVED, BUT ONLY FOR CONFORMANCE TO THE DESIGN CONCEPT OF THE WORK, AND SUBJECT TO FURTHER LIMITATIONS AND REQUIREMENTS CONTAINED IN THE CONSTRUCTION CONTRACT DOCUMENTS.

☐ REJECTED ☐ REVISE AND RESUBMIT ☒ APPROVED AS NOTED

CORRECTIONS OR COMMENTS MADE ON THE SHOP DRAWINGS DURING THIS REVIEW DID NOT RELIEVE CONTRACTOR FROM COMPLIANCEWITH 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 RESPOINSIBLE FOR: CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING THEIR WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING THEIR WORK IN A SAFE AND SATISFACTORY MANNER.

CLD Consulting Engineers
540 Commercial Street
Manchester, NH 03101
603-668-8223

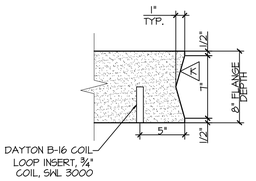
Job Number: 120121
Reviewed by: SRB
Date: 05/03/2015



HOMASOTE BOARD IMPREGNATED WITH ASPHALT (OR EQ.) FULL WIDTH OF BEAM STEM, FASTENED TO BEAM STEM (TYP @ EA. END OF EA. BEAM)

DETAIL - "B"

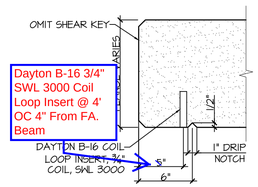
3" = 1'-0"



DAYTON B-16 COIL LOOP INSERT, 3/4" COIL, SWL 3000

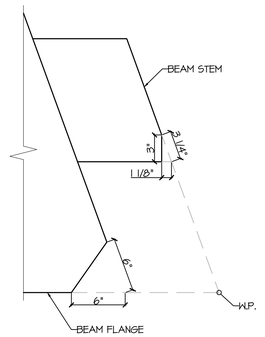
DETAIL - "C"

1 1/2" = 1'-0"



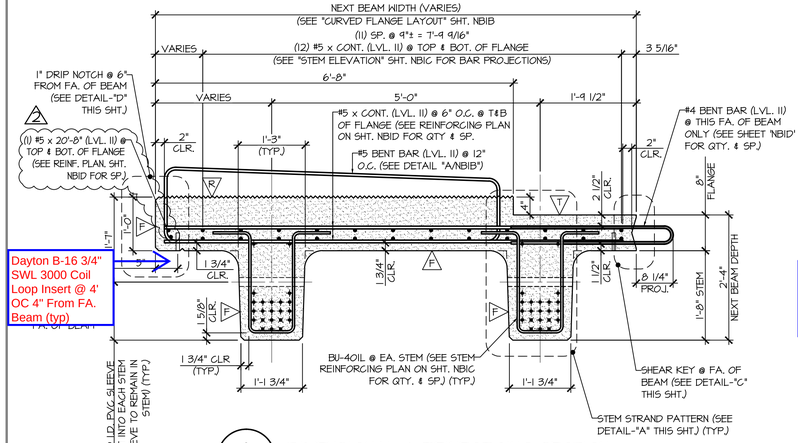
DETAIL - "D"

1 1/2" = 1'-0"



DETAIL - "E"

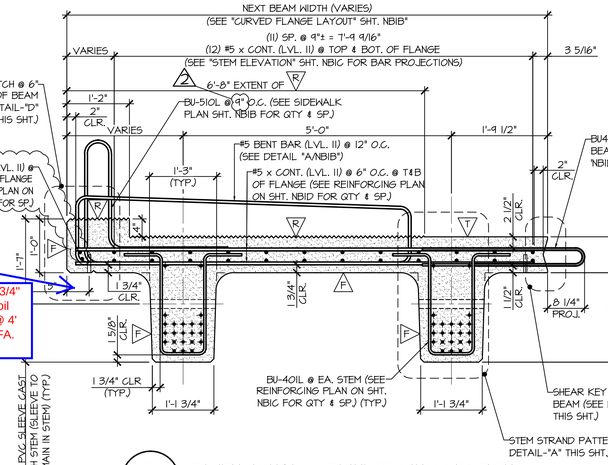
1 1/2" = 1'-0"



A NBIA **DIMENSIONAL & REINFORCING SECTION**

3/4" = 1'-0"

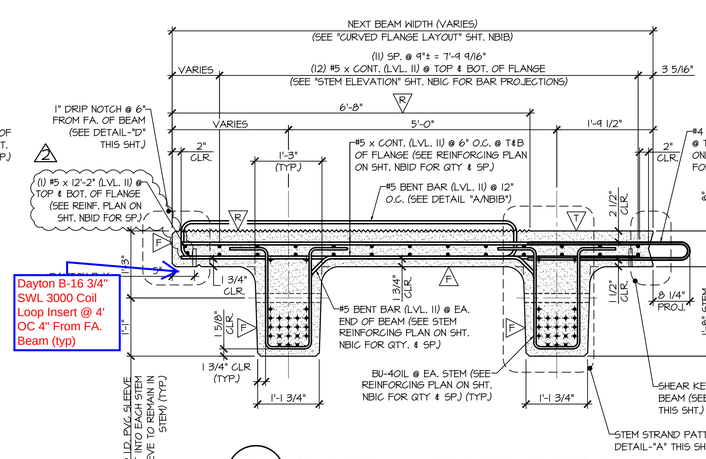
- SEE SHEET NBIC FOR END BLOCK REINFORCING DETAILS



B NBIA **DIMENSIONAL & REINFORCING SECTION**

3/4" = 1'-0"

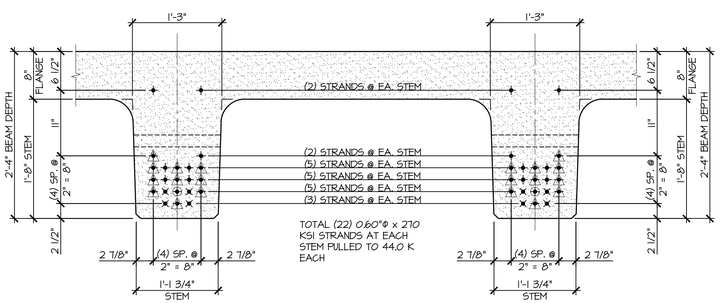
- SEE SHEET NBIC FOR END BLOCK REINFORCING DETAILS



C NBIA **DIMENSIONAL & REINFORCING SECTION**

3/4" = 1'-0"

- SEE SHEET NBIC FOR END BLOCK REINFORCING DETAILS

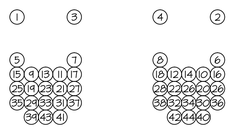


DETAIL - "A" (STEM STRAND PATTERN)

1" = 1'-0"

PRESTRESSING NOTATIONS

- + DENOTES STRAIGHT STRAND TO BE CUT FLUSH WITH EA. END OF EA. STEM
- × DENOTES STRAIGHT STRAND TO EXTEND 2'-0" FROM EA. END OF EA. STEM
- ⊕ DENOTES STRAIGHT STRANDS TO BE DEBONDED 2'-0" FROM EA. END OF EA. STEM
- ⊿ DENOTES STRAIGHT STRANDS TO BE DEBONDED 0'-6" FROM EA. END OF EA. STEM



DETENSIONING SCHEDULE

N.T.S.

- (F) DENOTES FORM FINISH
- (T) DENOTES SMOOTH SCREED FINISH
- (K) DENOTES ROUGHENED FINISH (6" AMPLITUDE)
- (R) DENOTES ROUGHENED FINISH (¼" RAKE)

MARK: BU-NBI	QTY.: 1	WT: 47.52 T	VOL: 23.47 CY

APPROVAL STAMP:

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

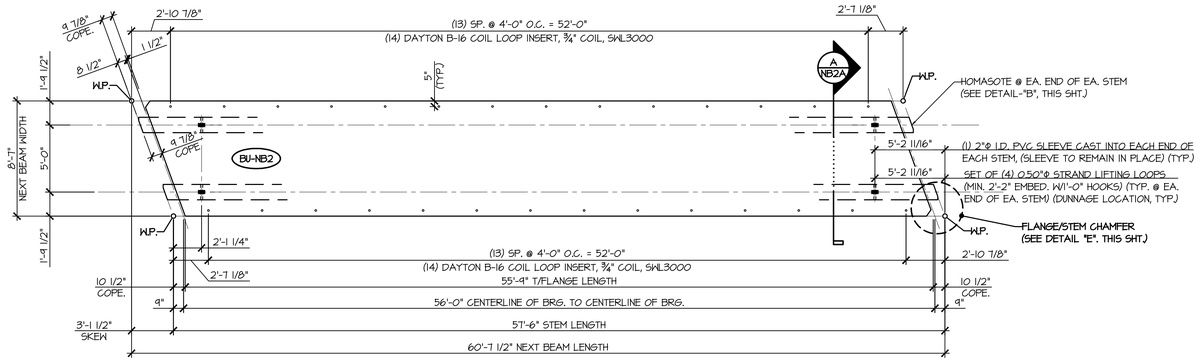
T. BUCK CONSTRUCTION, INC.
CONTRACTOR
AUBURN, MAINE

STATE OF VERMONT AGENCY OF TRANSPORTATION
COUNTY OF CALEDONIA

TOWN OF BURKE
VERMONT ROUTE 114
BRIDGE NO.: 13 PROJECT NO.: BRF 0269(13)

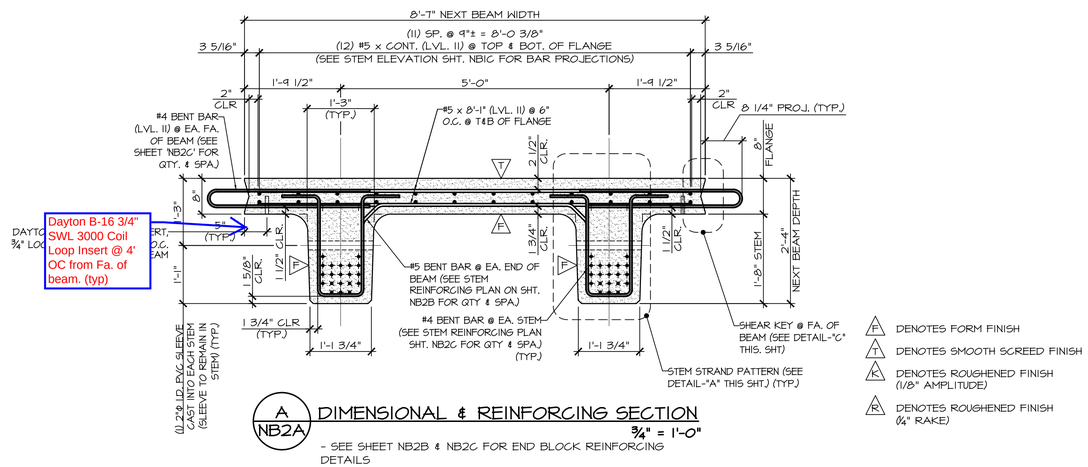
PRESTRESSED NEXT BEAM DETAILS

DATE: MAR. 26, 2015
SCALE: NOTED
CHKD: DFTM: JDK
JOB NO: 23454-015
DWG. NO: NBIA



1 NB2A DIMENSIONAL PLAN VIEW IN FORM

3/16" = 1'-0"

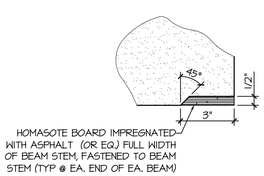


Dayton B-16 3/4" SWL 3000 Coil Loop Insert @ 4' OC from Fa. of beam. (typ)

A NB2A DIMENSIONAL & REINFORCING SECTION

3/4" = 1'-0"

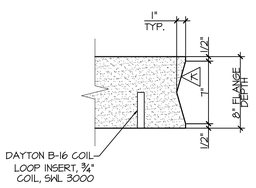
- SEE SHEET NB2B & NB2C FOR END BLOCK REINFORCING DETAILS



HOMASOTE BOARD IMPREGNATED WITH ASPHALT (OR EQ.) FULL WIDTH OF BEAM STEM, FASTENED TO BEAM STEM (TYP @ EA. END OF EA. BEAM)

DETAIL - "B"

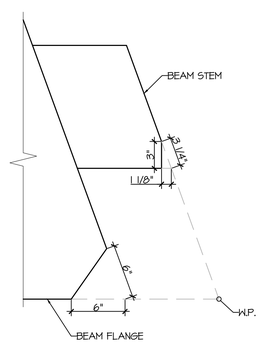
3" = 1'-0"



DAYTON B-16 COIL LOOP INSERT, 3/4" COIL, SWL 3000

DETAIL - "C"

1 1/2" = 1'-0"



DETAIL - "E"

1 1/2" = 1'-0"

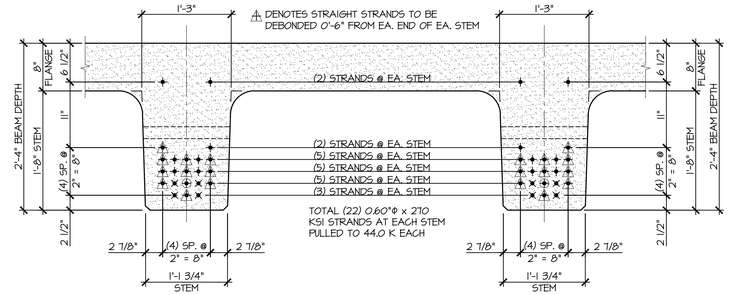
PRESTRESSING NOTATIONS

+ DENOTES STRAIGHT STRAND TO BE CUT FLUSH WITH EA. END OF EA. STEM

× DENOTES STRAIGHT STRAND TO EXTEND 2'-0" FROM EA. END OF EA. STEM

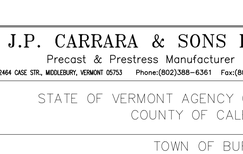
⊕ DENOTES STRAIGHT STRANDS TO BE DEBONDED 2'-0" FROM EA. END OF EA. STEM

△ DENOTES STRAIGHT STRANDS TO BE DEBONDED 0'-6" FROM EA. END OF EA. STEM



DETAIL - "A" (STEM STRAND PATTERN)

1" = 1'-0"



DETENSIONING SCHEDULE

N.T.S.

Vermont Agency of Transportation
RECEIVED
CK'D BY OK'D BY Rob Young
May 1, 2015
RESUBMIT No
BY Rob Young
Approved
DATE 05/04/2015

MARK: BU-NB2	QTY.: 2	WT: 41.34 T	VOL: 20.42 CY

APPROVAL STAMP:

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

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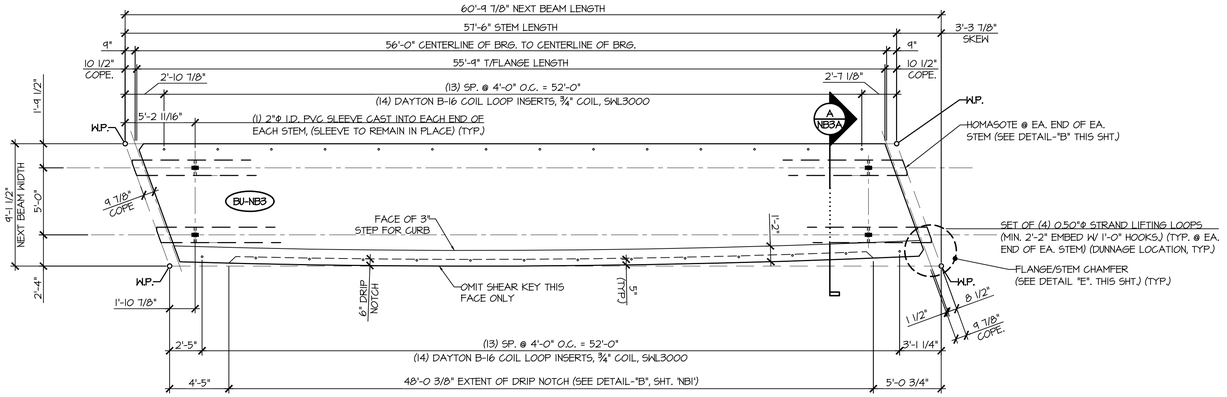
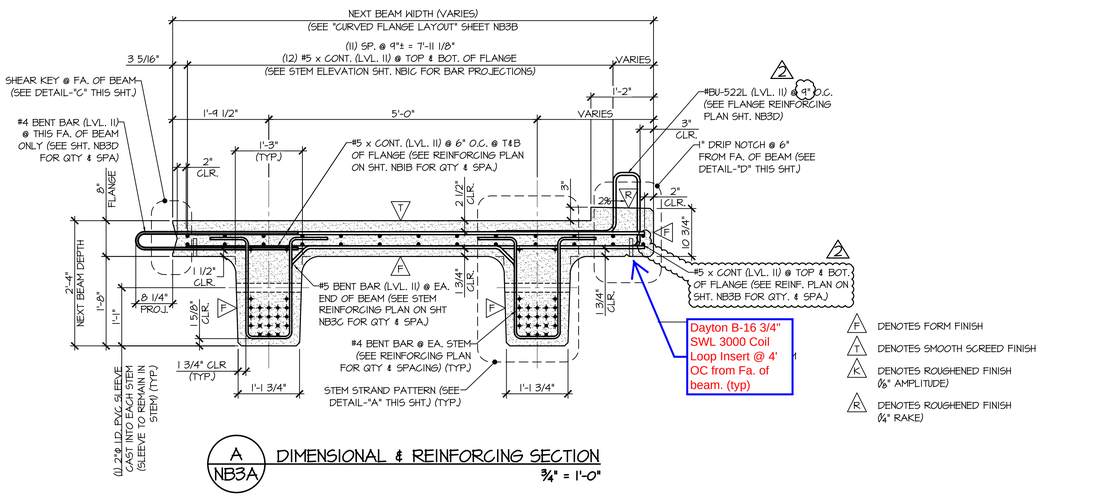
BRIDGE NO.: 13 PROJECT NO.: BRF 0269(13)

PRESTRESSED NEXT BEAM DETAILS

DATE: MAR. 26, 2015
SCALE: NOTED
CHKD: DFTM: JDK
JOB NO: 23454-015
DWG. NO: NB2A



1 NB3A **DIMENSIONAL PLAN VIEW IN FORM**
3/16" = 1'-0"



A NB3A **DIMENSIONAL & REINFORCING SECTION**
3/4" = 1'-0"

PRESTRESSING NOTATIONS

+ DENOTES STRAIGHT STRAND TO BE CUT FLUSH WITH EA. END OF EA. STEM

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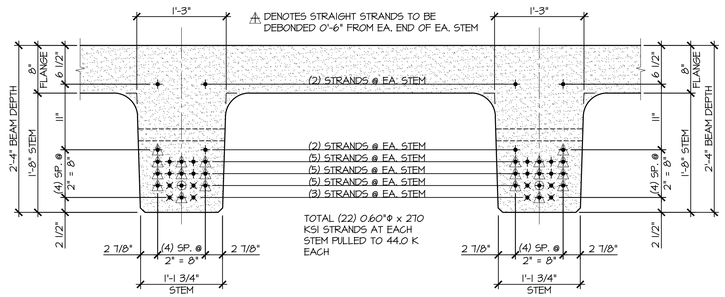
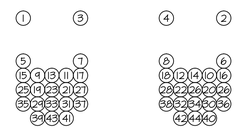
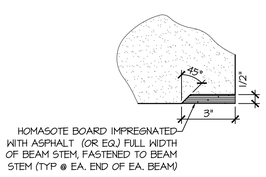


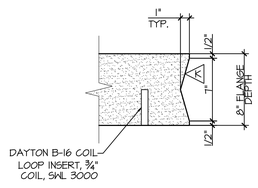
DETAIL - "A" (STEM STRAND PATTERN)
1" = 1'-0"



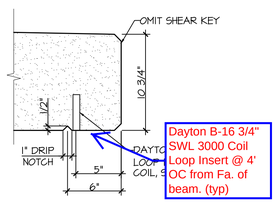
DETENSIONING SCHEDULE
N.T.S.



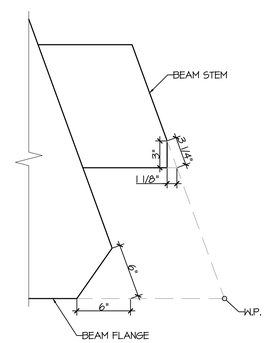
DETAIL - "B"
3" = 1'-0"



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



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



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

Vermont Agency of Transportation
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CK'D BY
OK'D BY Rob Young
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RESUBMIT No
BY Rob Young
Approved
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MARK: BU-NB3	QTY.: 1	WT: 43.11 T	VOL: 21.29 CY

APPROVAL STAMP:

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

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DATE: MAR. 26, 2015
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DWG. NO: NB3A