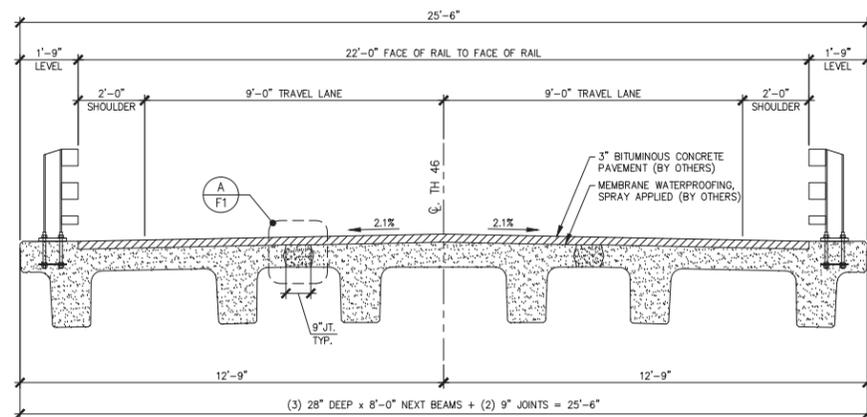
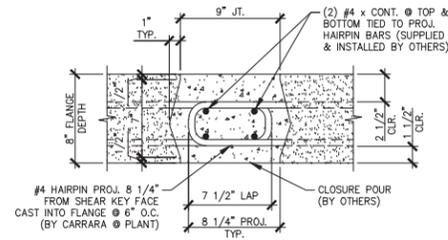


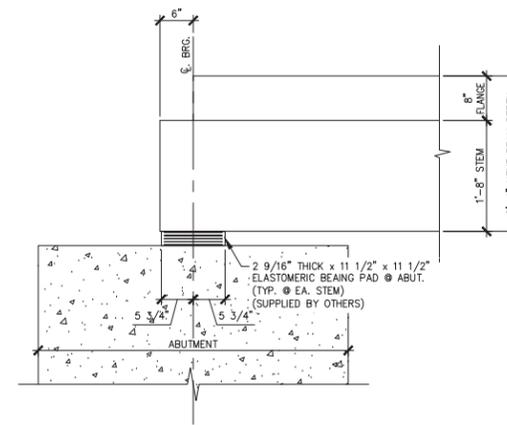
1 NEXT BEAM LAYOUT
1/4" = 1'-0"



2 TRANSVERSE NEXT BEAM SECTION
3/8" = 1'-0"



A NEXT BEAM CLOSURE POUR
1 1/2" = 1'-0"



B BEARING DETAIL
3/4" = 1'-0"

01-28-15 REVISED

APPROVAL STAMP:

Vermont Agency of Transportation
RECEIVED
CK'D BY GL OK'D BY JS
January 29, 2015
RESUBMIT NO Approved
BY KH DATE 2-3-2015

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

BLOW & COTE, INC.
CONTRACTOR
MORRISVILLE, VERMONT

STATE OF VERMONT AGENCY OF TRANSPORTATION
COUNTY OF LAMOILLE

DATE: JAN. 28, 2015

SCALE: NOTED

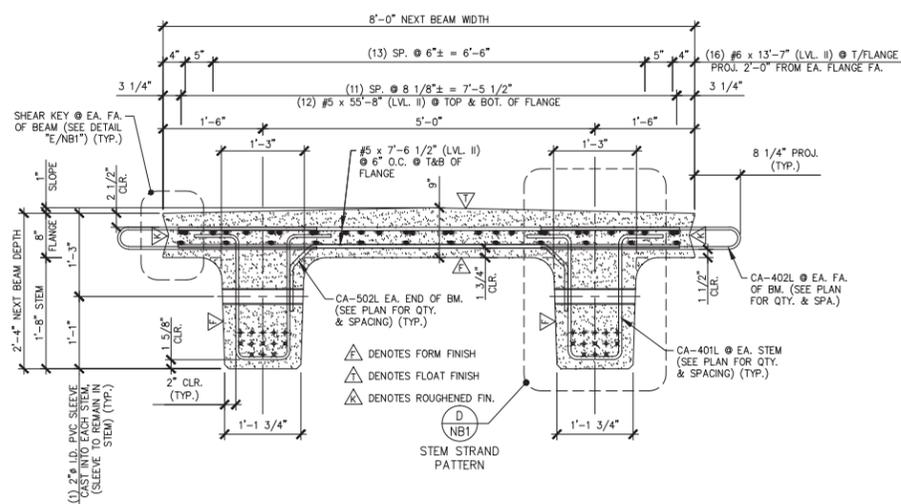
TOWN OF CAMBRIDGE
IRISH SETTLEMENT ROAD T.H.46 CLASS 3
BRIDGE NO.: 28 PROJECT NO.: BRO 1448(39)

CHKD: RM DFTM: PSS

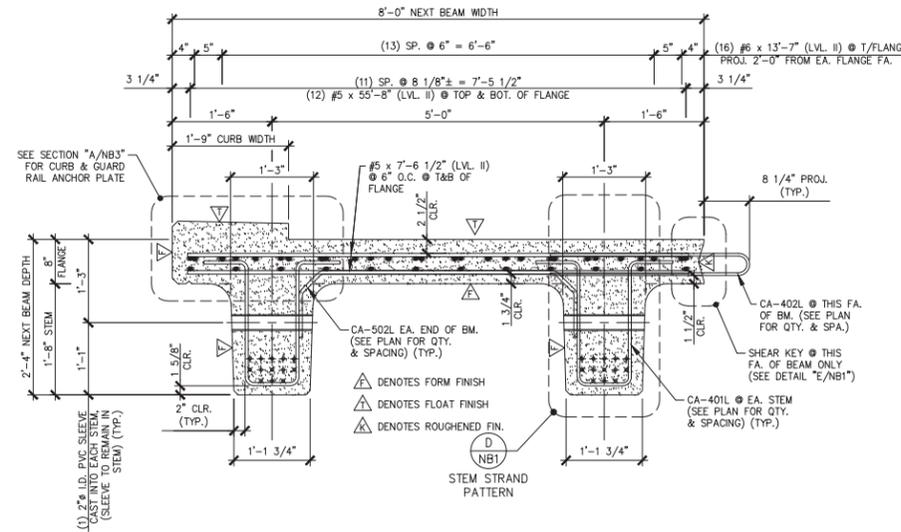
JOB NO: 23447-014

PRESTRESSED NEXT BEAM LAYOUT

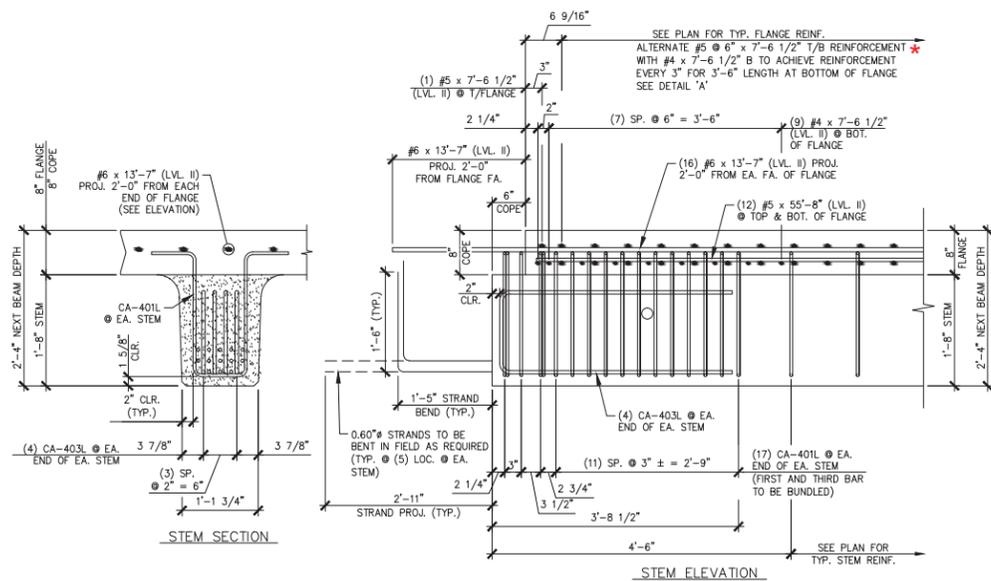
DWG. NO: F1



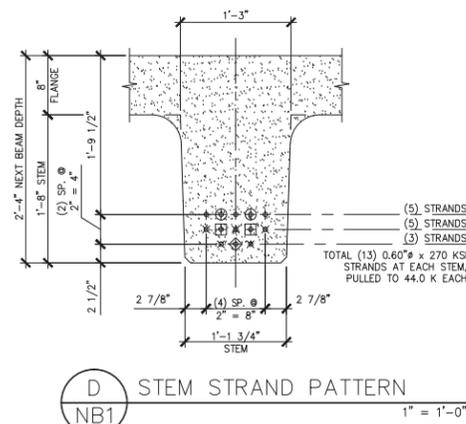
A DIMENSIONAL & REINFORCING SECTION
NB1
3/4" = 1'-0"



B DIMENSIONAL & REINFORCING SECTION
NB1
3/4" = 1'-0"



C END BLOCK STEM REINFORCING DETAILS
NB1
3/4" = 1'-0"

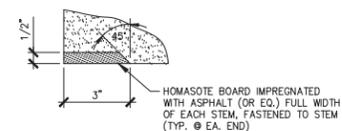


D STEM STRAND PATTERN
NB1
1" = 1'-0"

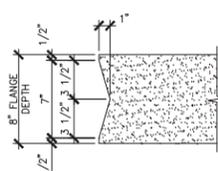
- PRESTRESSING NOTATIONS**
- ✦ DENOTES STRAIGHT STRANDS TO BE CUT FLUSH WITH EA. END OF EA. STEM
 - ✖ DENOTES STRAIGHT STRANDS TO PROJECT 2'-11" FROM EA. END OF EA. STEM
 - ⊕ DENOTES STRAIGHT STRANDS TO BE DEBONDED 6" FROM EA. END OF EA. STEM
 - ⊕ DENOTES STRAIGHT STRANDS TO BE DEBONDED 1'-0" FROM EA. END OF EA. STEM
 - ⊕ DENOTES STRAIGHT STRANDS TO BE DEBONDED 1'-6" FROM EA. END OF EA. STEM



DETENSIONING SCHEDULE
N.T.S.



F HOMASOTE DETAIL
NB1
3" = 1'-0"



E SHEAR KEY DETAIL
NB1
1 1/2" = 1'-0"

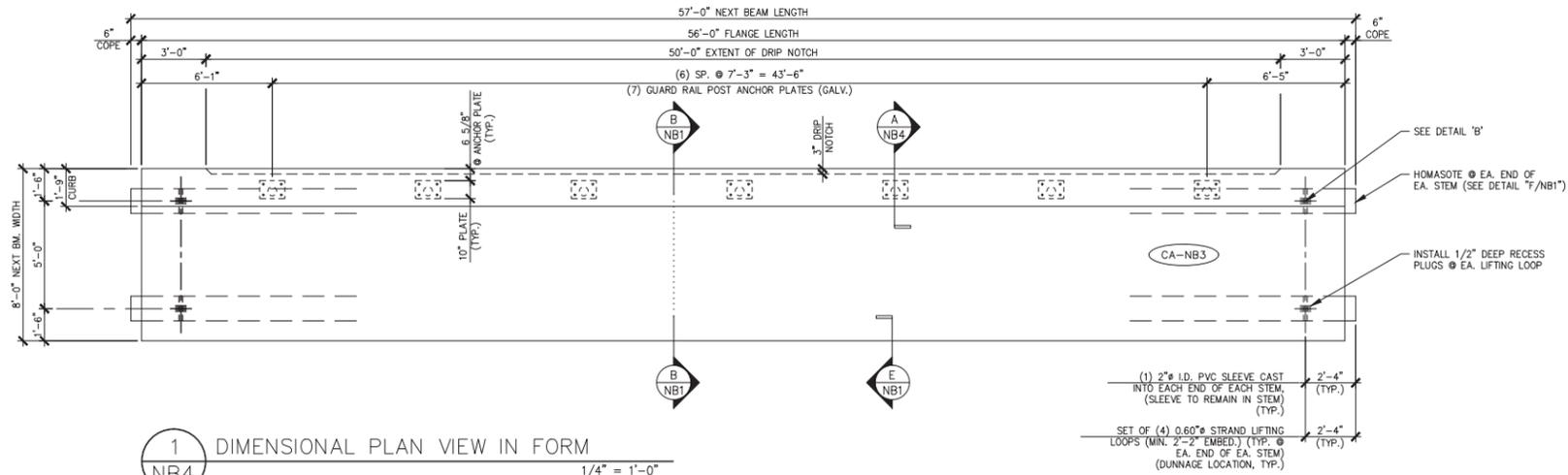
*** BOTTOM BAR SHALL BE PARIED WITH CA-502L**

01-28-15 REVISED

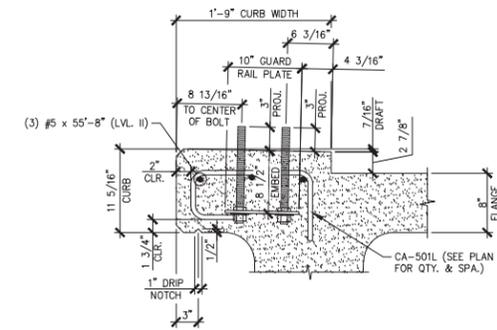
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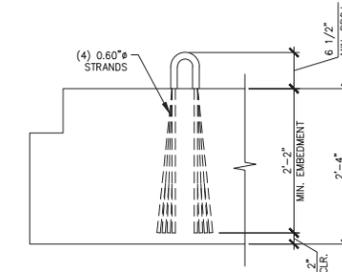
J.P. CARRARA & SONS INC. Precast & Prestress Manufacturer 2464 CASE STR., MOOREBURGH, VERMONT 05753 Phone:(802)388-6361 Fax:(802)388-9010		BLOW & COTE, INC. CONTRACTOR MORRISVILLE, VERMONT	
STATE OF VERMONT AGENCY OF TRANSPORTATION COUNTY OF LAMOILLE		DATE: JAN. 28, 2015	SCALE: NOTED
TOWN OF CAMBRIDGE IRISH SETTLEMENT ROAD T.H.46 CLASS 3 BRIDGE NO.: 28 PROJECT NO.: BRO 1448(39)		CHKD: RM	DFTM: PSS
PRESTRESSED NEXT BEAM DETAILS		JOB NO: 23447-014	DWG. NO: NB1



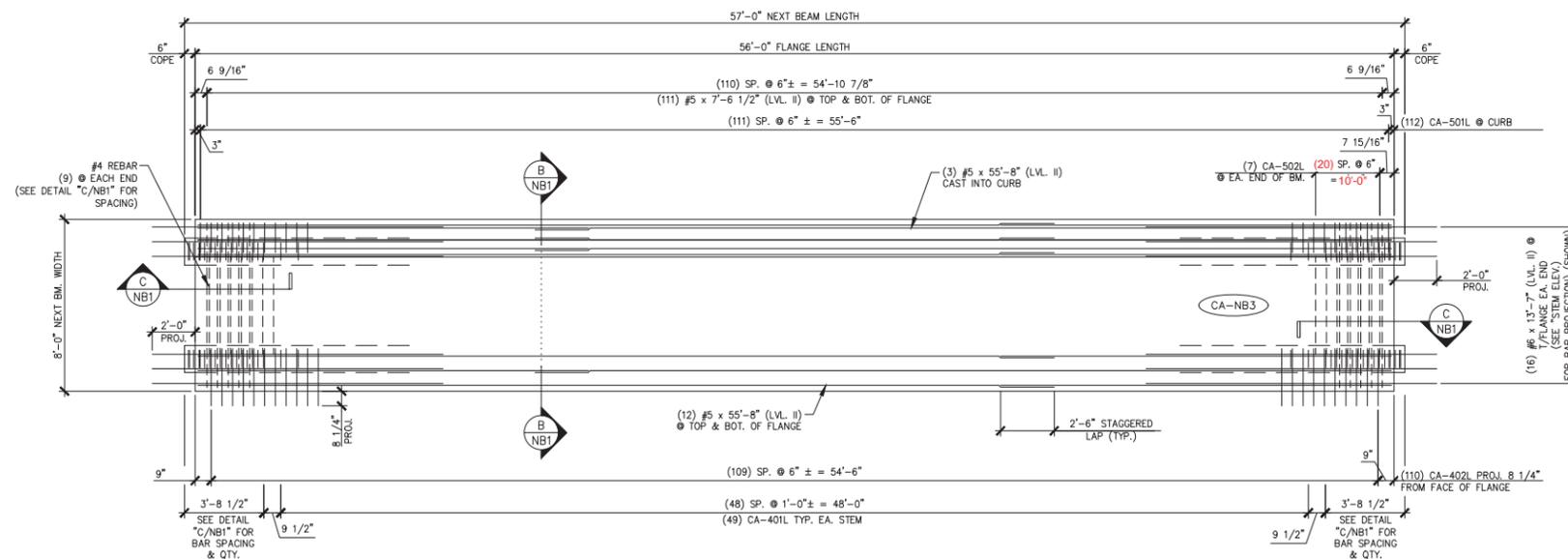
1 DIMENSIONAL PLAN VIEW IN FORM
NB4 1/4" = 1'-0"



A CURB & GUARD RAIL ANCHOR
NB4 PLATE SECTION 1" = 1'-0"
TYP. BEAM REINF. NOT SHOWN FOR CLARITY



B LIFT LOOP DETAIL
NB4 3/4" = 1'-0"



2 REINFORCING PLAN VIEW IN FORM
NB4 1/4" = 1'-0"

MARK: CA-NB3		QTY.: 1	WT.: 41.57 T	VOL.: 20.53 cy
MATERIAL LIST / NEXT BEAM				
ITEM	MARK	DESCRIPTION	QTY.	
1	CA-401L	#4 BENT BAR (LEVEL II, DUAL COATED)	166	
2	CA-402L	#4 BENT BAR (LEVEL II, DUAL COATED)	110	
3	CA-403L	#4 BENT BAR (LEVEL II, DUAL COATED)	16	
4	CA-501L	#5 BENT BAR (LEVEL II, DUAL COATED)	112	
5	CA-502L	#5 BENT BAR (LEVEL II, DUAL COATED)	14	
6		#4 x 7'-6 1/2" (LEVEL II, DUAL COATED)	18	
7				
8		#5 x 7'-6 1/2" (LEVEL II, DUAL COATED)	224	
9		#5 x 55'-8" (W/ (1) 2'-6" STAGGERED LAP) (LVL. II, DUAL COATED)	27	
10				
11		#6 x 13'-7" (LEVEL II, DUAL COATED)	32	
12				
13		2" I.D. PVC SLEEVE	4	
14		SET OF (4) 0.60" x 270 KSI STRAND LIFTING LOOPS	4	
15		GUARD RAIL ANCHOR PLATE (GALV.) (SUPPLIED BY OTHERS)	7	

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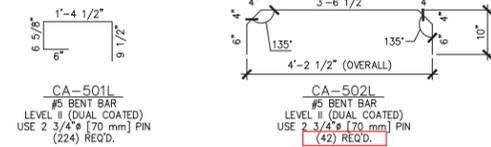
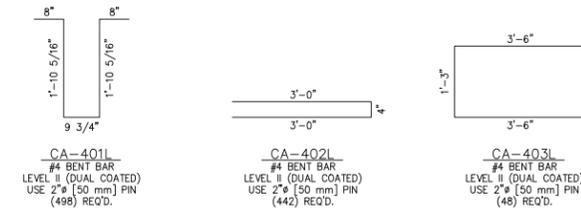
BLOW & COTE, INC.
CONTRACTOR
MORRISVILLE, VERMONT

STATE OF VERMONT AGENCY OF TRANSPORTATION
COUNTY OF LAMOILLE

TOWN OF CAMBRIDGE
IRISH SETTLEMENT ROAD T.H.46 CLASS 3
BRIDGE NO.: 28 PROJECT NO.: BRO 1448(39)

PRESTRESSED NEXT BEAM DETAILS

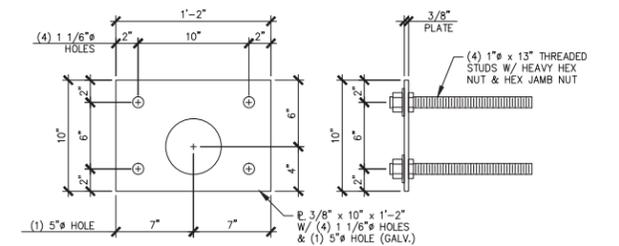
DATE: JAN. 28, 2015
SCALE: NOTED
CHKD: RM DFTM: PSS
JOB NO: 23447-014
DWG. NO: NB4



CHANGE ORDER QUANTITY:
 LENGTH = 50.5' + 10' + 10' = 70.5' = 5.875 FT / BAR
 WEIGHT PER BAR = 5.875 FT * 1.04 LB / FT = 6.11 LB
 # OF BARS = 2 ENDS x 3 BEAMS x 21 BARS @ EA END = 126 BARS
 TOTAL ADDITIONAL WEIGHT = 126 BARS * 6.11 LB / BAR = 769.86 LB = 770 LB

PRESTRESSED NEXT BEAMS

NEXT BEAM MISCELLANEOUS MATERIALS				
ITEM	MARK	QTY.	DESCRIPTION	REMARKS
1		54	#4 x 7'-6 1/2" (LEVEL II, DUAL COATED)	
2				
3		672	#5 x 7'-6 1/2" (LEVEL II, DUAL COATED)	
4		78	#5 x 55'-8" (W/ (1) 2'-6" STAGGERED LAP) (LVL. II, DUAL COATED)	
5				
6		96	#6 x 13'-7" (LVL. II, DUAL COATED)	
7				
8				
9				
10				
11				
12				
13				
14				
15	14		GUARD RAIL ANCHOR PLATE (GALV.)	SUPPLIED BY OTHERS; SEE DETAIL THIS SHEET
16	12		SET OF (4) 0.60" x 270 KSI STRAND LIFTING LOOPS	
17	12		2" I.D. PVC SLEEVE	
18				
19				
20				



GUARD RAIL ANCHOR PLATE

SUPPLIED BY OTHERS 1 1/2" = 1'-0"

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TOWN OF CAMBRIDGE
 IRISH SETTLEMENT ROAD T.H.46 CLASS 3
 BRIDGE NO.: 28 PROJECT NO.: BRO 1448(39)

CHKD: RM DFTM: PSS

JOB NO: 23447-014

MATERIALS LIST

DWG. NO: M1