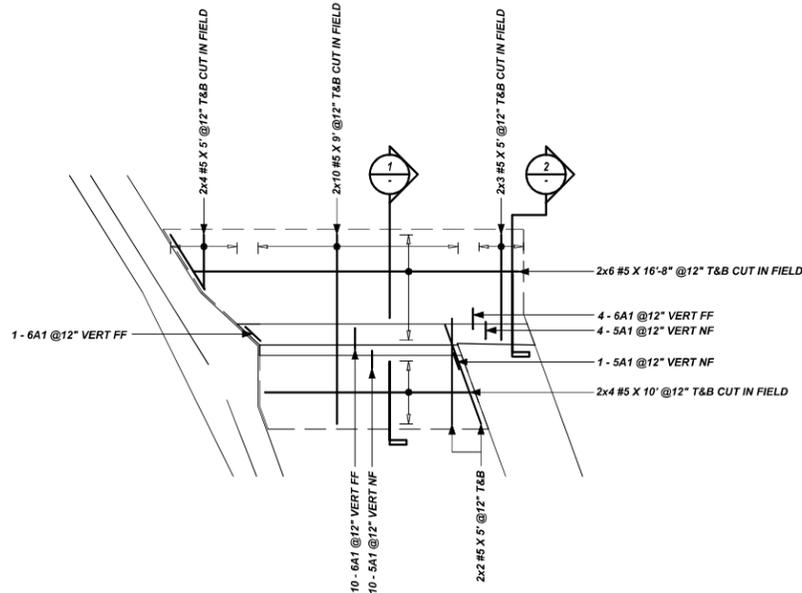


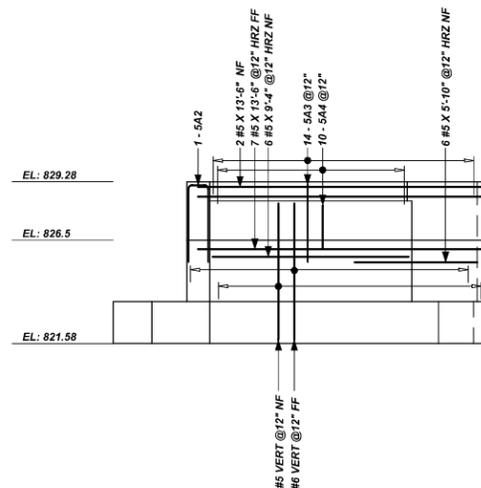
NOTICE

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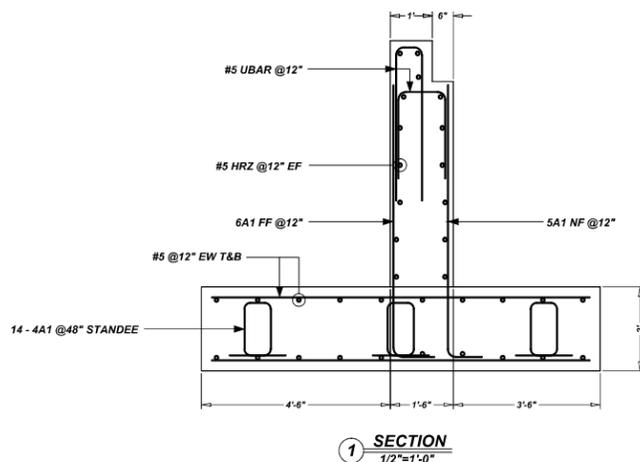
REINFORCING STEEL PLACING DRAWING ONLY. USE IN CONJUNCTION WITH CONTRACT DRAWINGS & SPECIFICATIONS. ELEVATIONS & DIMENSIONS SHOWN ON DRAWING ARE FOR DETAILING PURPOSES ONLY AND SHOULD NOT BE USED FOR CONSTRUCTION UNLESS VERIFIED BY ENGINEER OR CONTRACTOR.



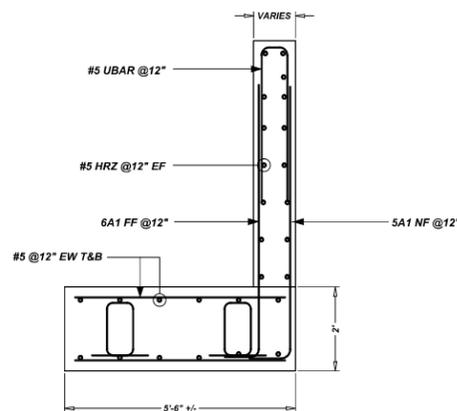
RETAINING WALL PLAN
1/4"=1'-0"



RETAINING WALL ELEVATION
1/4"=1'-0"



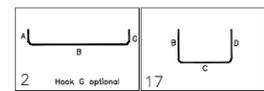
SECTION 1
1/2"=1'-0"



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

Release Number: RET WALL

Bar Mark	Qty	Size	Total Length	Type	X'	Y'	Z'	Y'	Y'	Y'	Y'	Y'	Y'	Y'	Y'	
5A1	15	#5	7'-4"	2	0'-10"	6'-6"										
5A2	1	#5	8'-4"	17		3'-8"		1'-4"	3'-8"							
5A3	14	#5	8'-0"	17		3'-8"		0'-4"	3'-8"							
5A4	10	#5	5'-4"	17		7'-1"		1'-2"	7'-1"							
6A1	15	#6	7'-4"	2	1'-0"	6'-6"										



SAMPLE BARS (RET WALL)
 1 #5 X 9' @12" SAMPLE
 1 - 5A3 @12" SAMPLE
 1 #5 X 13'-6" @12" SAMPLE
 1 - 6A1 @12" SAMPLE

REBAR GRADE 60 ASTM A-775 EPOXY COATED LEVEL 1

Vermont Agency of Transportation
RECEIVED

CK'D BY _____ OK'D BY _____
 April 6, 2015
 RESUBMIT Yes Rejected
 By Rob Young DATE 04/13/2015

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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CLD Consulting Engineers
 241 Commercial Street
 Manchester, NH 03101
 603-468-5223

Job Number: 120121
 Reviewed by: SRB
 Date: 04/10/2015

REBAR GRADE 60 ASTM A-775 EPOXY COATED

SPLICES USED		ABBREVIATIONS		BAR MARK SIZE EQUIVALENT	
CLASS B 4,000 psi UNO		ADD. = Additional	B.O.W. = Bottom of wall	Imperial	Soft Metric
TOP BARS	OTHER BARS	C.B. = Corner Bars	DIAG. = Diagonal	#3	#10
#3	#3	D.O. = Door Opening	DWLS. = Dowels	#4	#13
#4	#4	E.F. = Each Face	E.S. = Each Side	#5	#16
#5	#5	FTG. = Footing	F.F. = Far Face	#6	#19
#6	#6	HORIZ. = Horizontal	I.F. = Inside Face	#7	#22
#7	#7	INTERS. = Intersection	L.W. = long Way	#8	#25
#8	#8	N.F. = Near Face	O.F. = Outside Face	#9	#29
#9	#9	S.W. = Short Way	T&B = Top & Bottom	#10	#32
#10	#10	T.O.W. = Top of Wall	Trans. = Transverse	#11	#36
#11	#11	VERT. = Vertical			
#14	#14				

1	4.6.15	REVISED PER COMMENTS			
0	3.13.15	APPROVAL			
REV NO.	DATE	SENT FOR	REV NO.	DATE	SENT FOR
T.J.P.	3.13.15				

HARMAC REBAR AND STEEL CORPORATION

A.H. HARRIS & SONS, INC.
 Formerly MacFarlane Steel

A Division of A.H. Harris & Sons, Inc.
 301 Hartle Street
 Sayreville, NJ 03301

P.O. Box 142
 Cornshop Road
 Fryeburg, ME 04037
 Tel. 800-294-4702
 Fax 207-935-3058

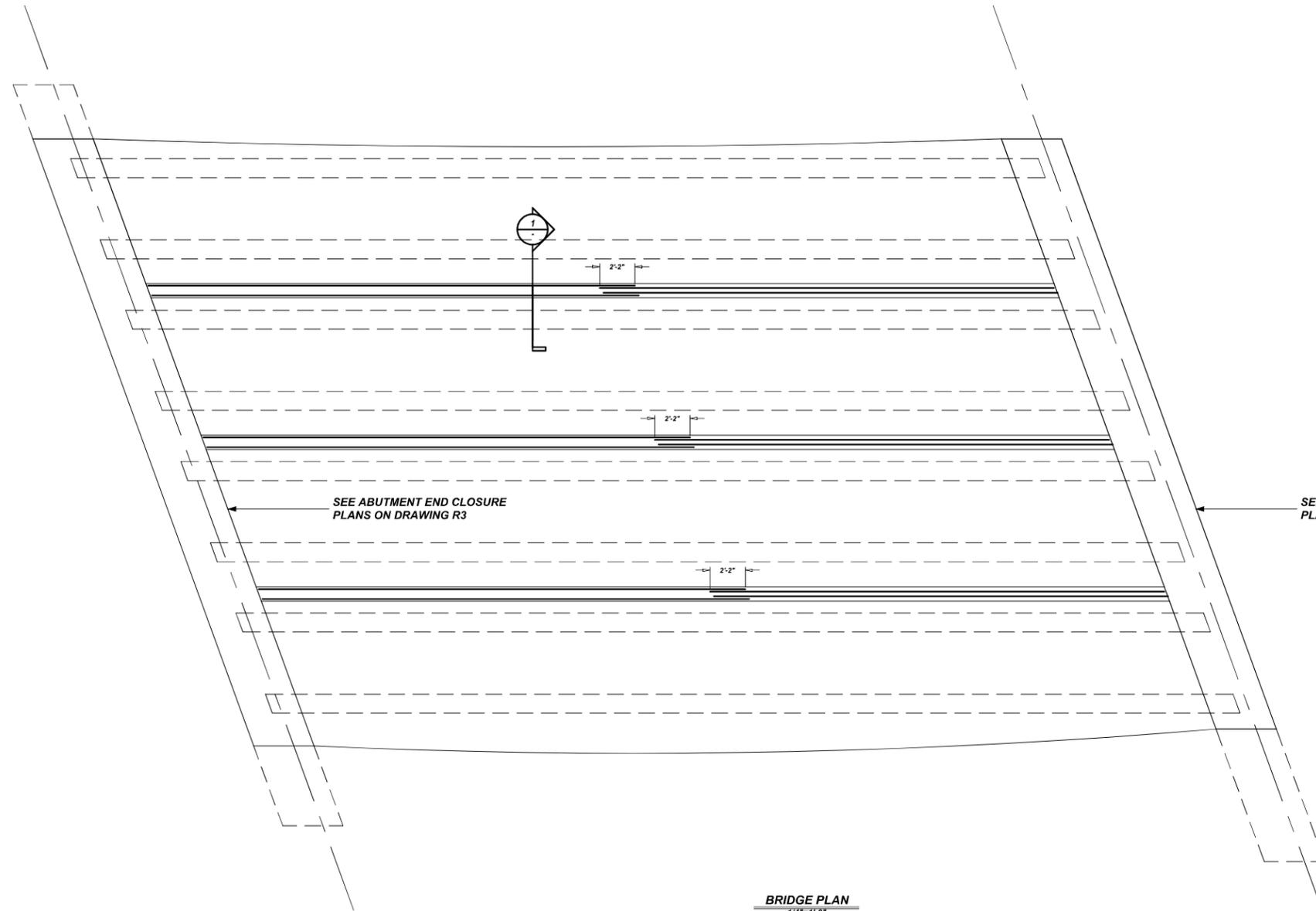
VT ROUTE 114 BRIDGE #13
 RETAINING WALL PLAN
BURKE, VT

CUSTOMER: T BUCK
 DESIGNER: CLD CONSULTING ENGINEERS

DRAWN BY	DATE	JOB NO	SHEET NO.
T.J.P.	3.13.15	M915J118	R-1

NOTICE
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BRIDGE PLAN
 1/4"=1'-0"

REBAR GRADE 60 ASTM A-775 EPOXY COATED LEVEL 2

SEE R-3 FOR BENDING DIMENSIONS

Vermont Agency of Transportation
RECEIVED
 CK'D BY _____ OK'D BY _____
 April 6, 2015
 RESUBMIT Yes Rejected
 BY Rob Young DATE 04/13/2015

SHOP DRAWING REVIEW

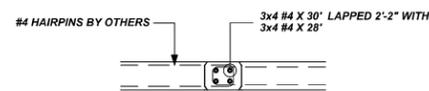
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CLD Consulting Engineers
 345 Commercial Street
 Manchester, NH 03101
 603-469-6233

Job Number: 120121
 Reviewed by: SRB
 Date: 04/10/2015



CONNECTION DETAIL SECTION x3
 1/2"=1'-0"

REBAR GRADE 60 ASTM A-775 DUAL EPOXY COATED

SPLICES USED		ABBREVIATIONS		BAR MARK SIZE EQUIVALENT	
CLASS B 4,000 psi UNO				Imperial	Soft Metric
TOP BARS	OTHER BARS	ADD.	= Additional	#3	#10
#3	#3	B.O.W.	= Bottom of wall	#4	#13
#4	#4	C.B.	= Corner Bars	#5	#16
#5	#5	DIAG.	= Diagonal	#6	#19
#6	#6	D.O.	= Door Opening	#7	#22
#7	#7	DWLS.	= Dowels	#8	#25
#8	#8	E.F.	= Each Face	#9	#29
#9	#9	E.S.	= Each Side	#10	#32
#10	#10	E.W.	= Each Way	#11	#36
#11	#11	FTG.	= Footing		
#14	#14	F.F.	= Far Face		
		HORIZ.	= Horizontal		
		I.F.	= Inside Face		
		INTERS.	= Intersection		
		L.W.	= long Way		
		N.F.	= Near Face		
		O.F.	= Outside Face		
		S.W.	= Short Way		
		T&B	= Top & Bottom		
		T.O.W.	= Top of Wall		
		Trans.	= Transverse		
		VERT.	= Vertical		

REV NO.	DATE	SENT FOR	REV NO.	DATE	SENT FOR
1	4.6.15	REVISED PER COMMENTS			
0	3.13.15	APPROVAL			

HARMAC REBAR AND STEEL CORPORATION

A.H. HARMAC

A Division of A.H. Harris & Sons, Inc.
 Formerly MacFarlane Steel

P.O. Box 142
 Cornshop Road
 Fryeburg, ME 04037

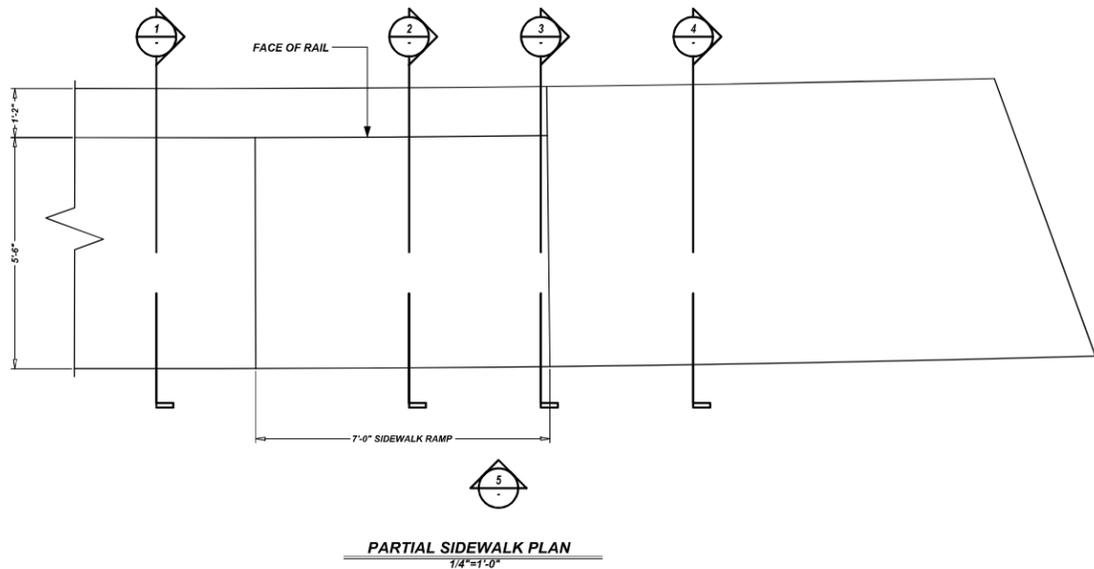
301 Hartle Street
 Sayreville, NJ 03301

Tel. 800-294-4702
 Fax 207-935-3058

VT ROUTE 114 BRIDGE #13
 DECK CONNECTION DETAIL
BURKE, VT

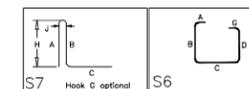
CUSTOMER: T BUCK
 DESIGNER: CLD CONSULTING ENGINEERS

DRAWN BY	DATE	JOB NO	SHEET NO.
T.J.P.	3.13.15	M915J118	R-2



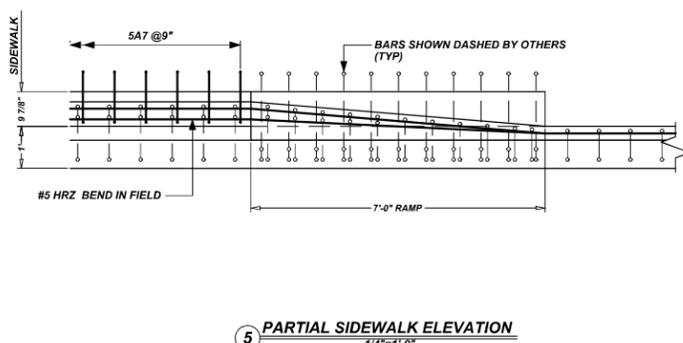
PARTIAL SIDEWALK PLAN
1/4"=1'-0"

Bar Mark	Qty	Size	Total Length	Type	Y	Y'	Y''	Y'''	Y''''	Y'''''	Y''''''	Y'''''''	Y''''''''
S7	56	#5	2'-10"	S7	1'-3"	1'-3"	1'-0"						

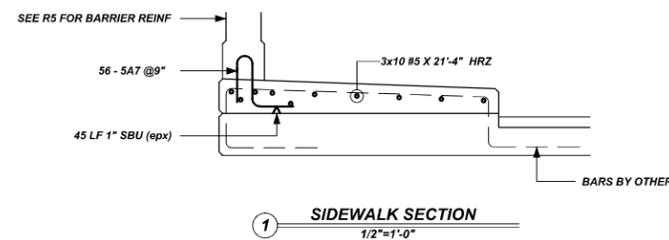


REBAR GRADE 60 ASTM A-775 EPOXY COATED LEVEL 2

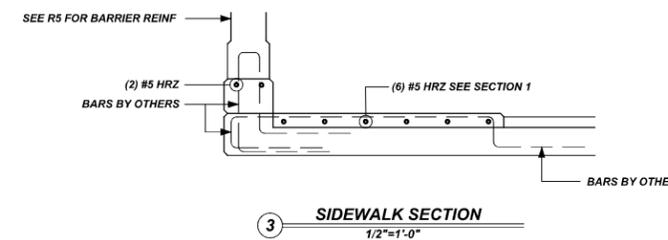
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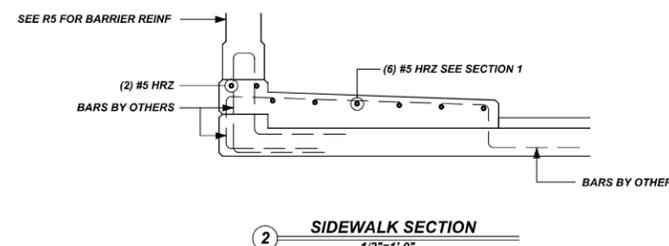
PARTIAL SIDEWALK ELEVATION
1/4"=1'-0"



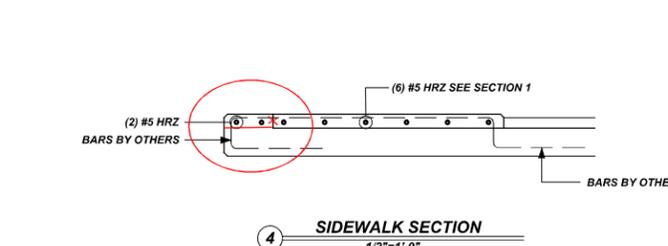
1 SIDEWALK SECTION
1/2"=1'-0"



3 SIDEWALK SECTION
1/2"=1'-0"



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



4 SIDEWALK SECTION
1/2"=1'-0"

Vermont Agency of Transportation
RECEIVED
CK'D BY _____ OK'D BY _____
April 6, 2015
RESUBMIT Yes Rejected
BY Rob Young DATE 04/13/2015

SHOP DRAWING REVIEW

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CLD Consulting Engineers
140 Commercial Street
Manchester, NH 03101
603-689-6223

Job Number: 120121
Reviewed by: SRB
Date: 04/10/2015

REBAR GRADE 60 ASTM A-775 DUAL EPOXY COATED

SPLICES USED

CLASS B 4,000 psi UNO

TOP BARS	OTHER BARS
#3	#3
#4	#4
#5	#5 2'-6"
#6	#6
#7	#7
#8	#8
#9	#9
#10	#10
#11	#11
#14	#14

ABBREVIATIONS		BAR MARK SIZE EQUIVALENT	
ADD.	= Additional	Imperial	Soft Metric
B.O.W.	= Bottom of wall	#3	#10
C.B.	= Corner Bars	#4	#13
DIAG.	= Diagonal	#5	#16
D.O.	= Door Opening	#6	#19
DWLS.	= Dowels	#7	#22
E.F.	= Each Face	#8	#25
E.S.	= Each Side	#9	#29
E.W.	= Each Way	#10	#32
FTG.	= Footing	#11	#36
F.F.	= Far Face		
HORIZ.	= Horizontal		
I.F.	= Inside Face		
INTERS.	= Intersection		
L.W.	= Long Way		
N.F.	= Near Face		
O.F.	= Outside Face		
S.W.	= Short Way		
T&B	= Top & Bottom		
T.O.W.	= Top of Wall		
TRANS.	= Transverse		
VERT.	= Vertical		

REV NO.	DATE	SENT FOR	REV NO.	DATE	SENT FOR
1	4.6.15	REVISED PER COMMENTS			
0	3.13.15	APPROVAL			

HAR MAC
A Division of A.H. Harris & Sons, Inc.
Formerly MacFarlane Steel

P.O. Box 142
Cornshop Road
Fryeburg, ME 04037
Tel. 800-294-4702
Fax 207-935-3058

301 Hartle Street
Sayreville, NJ 03301

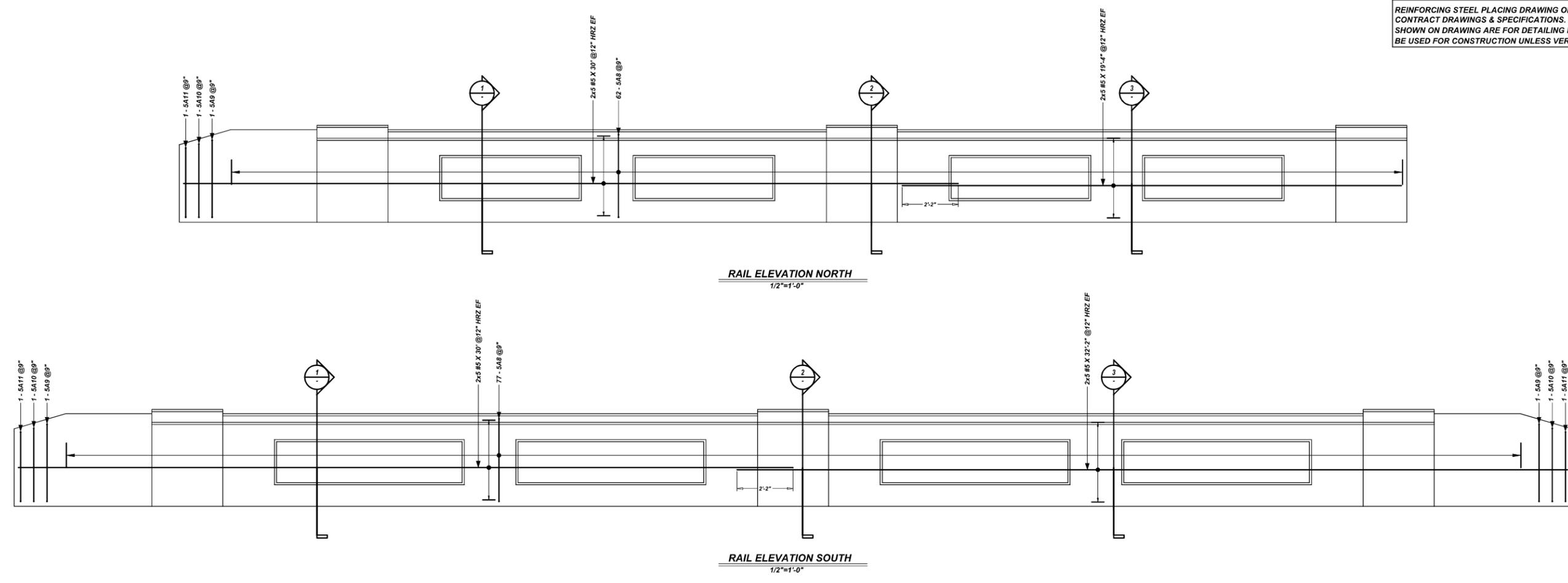
VT ROUTE 114 BRIDGE #13
SIDEWALK REINFORCING
BURKE, VT

CUSTOMER: T BUCK
DESIGNER: CLD CONSULTING ENGINEERS

DRAWN BY	DATE	JOB NO	SHEET NO.
T.J.P.	3.13.15	M915J118	R-4

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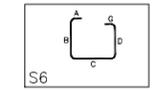
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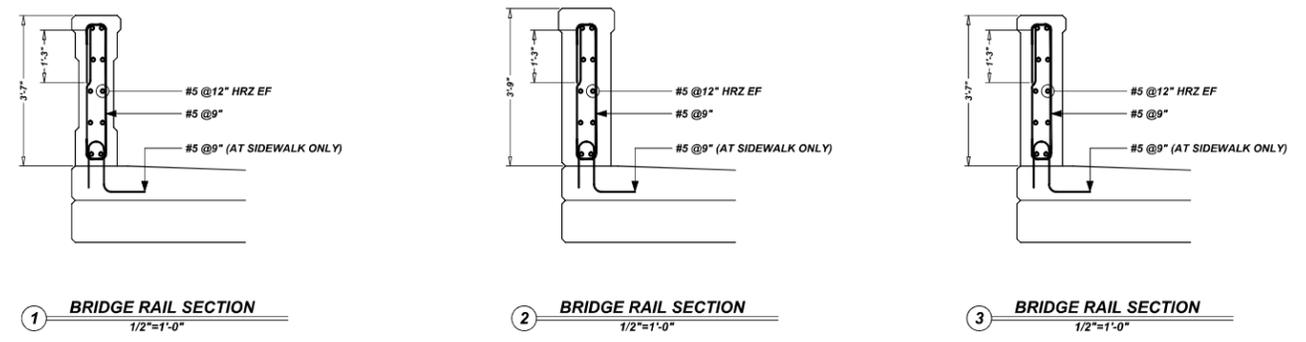
8'-9" VERIFY.

Bar Mark	Qty	Size	Total Length	Type	Y	X	Z	Y	X	Z	Y	X	Z	Y
5A8	138	#5	5'-3"	SB	5'-3"	0'-4"	0'-4"	5'-3"	0'-4"	0'-4"	1'-3"	0'-4"	0'-4"	1'-3"
5A9	3	#5	5'-0"	SB	5'-0"	0'-4"	0'-4"	5'-0"	0'-4"	0'-4"	1'-3"	0'-4"	0'-4"	1'-3"
5A10	3	#5	4'-10"	SB	4'-10"	0'-4"	0'-4"	4'-10"	0'-4"	0'-4"	1'-3"	0'-4"	0'-4"	1'-3"
5A11	3	#5	4'-8"	SB	4'-8"	0'-4"	0'-4"	4'-8"	0'-4"	0'-4"	1'-3"	0'-4"	0'-4"	1'-3"

Vermont Agency of Transportation
RECEIVED
 CK'D BY _____ OK'D BY _____
 April 6, 2015
 RESUBMIT Yes Rejected
 BY Rob Young DATE 04/13/2015



REBAR GRADE 60 ASTM A-775 EPOXY COATED LEVEL 2



SHOP DRAWING REVIEW

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CLD Consulting Engineers
 242 Commercial Street
 Manchester, NH 03101
 603-688-8223

Job Number: 120121
 Reviewed by: SRB
 Date: 04/10/2015

REBAR GRADE 60 ASTM A-775 DUAL EPOXY COATED

SPLICES USED		ABBREVIATIONS		BAR MARK SIZE EQUIVALENT	
CLASS B 4,000 psi UNO		ADD = Additional		Imperial	Soft Metric
TOP BARS		B.O.W. = Bottom of wall		#3	#10
OTHER BARS		C.B. = Corner Bars		#4	#13
#3	#3	DIAG. = Diagonal		#5	#16
#4	#4	D.O. = Door Opening		#6	#19
#5	#5 2'-2"	DWLS. = Dowels		#7	#22
#6	#6	E.F. = Each Face		#8	#25
#7	#7	E.S. = Each Side		#9	#29
#8	#8	E.W. = Each Way		#10	#32
#9	#9	FTG. = Footing		#11	#36
#10	#10	F.F. = Far Face			
#11	#11	HORIZ. = Horizontal			
#14	#14	I.F. = Inside Face			
		INTERS. = Intersection			
		L.W. = Long Way			
		N.F. = Near Face			
		O.F. = Outside Face			
		S.W. = Short Way			
		T&B = Top & Bottom			
		T.O.W. = Top of Wall			
		TRANS. = Transverse			
		VERT. = Vertical			

HARMAC REBAR AND STEEL CORPORATION

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301 Hartle Street
 Sayreville, NJ 03301

VT ROUTE 114 BRIDGE #13
 BRIDGE RAIL REINFORCING
BURKE, VT

CUSTOMER: T BUCK
 DESIGNER: CLD CONSULTING ENGINEERS

DRAWN BY	DATE	JOB NO	SHEET NO.
T.J.P.	3.13.15	M915J118	R-5

REV NO	DATE	SENT FOR	REV NO	DATE	SENT FOR
1	4.6.15	REVISED PER COMMENTS			
0	3.13.15	APPROVAL			