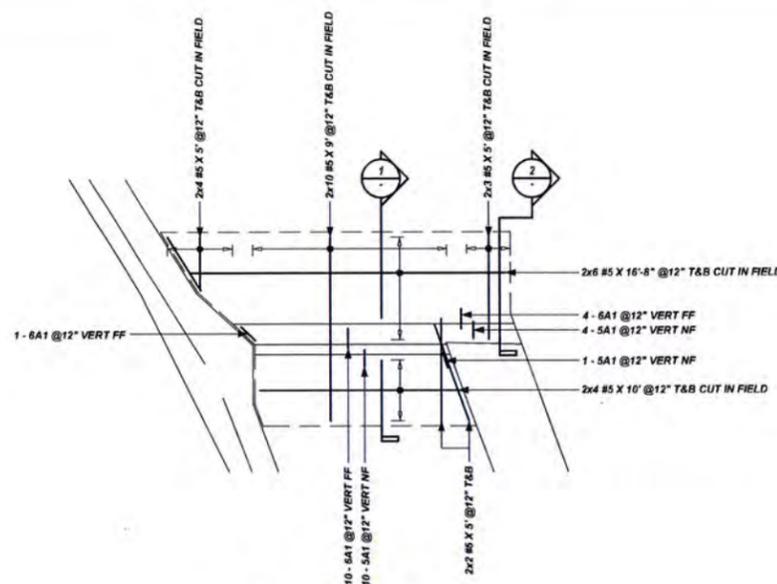


NOTICE

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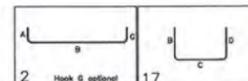
REINFORCING STEEL PLACING DRAWING ONLY. USE IN CONJUNCTION WITH CONTRACT DRAWINGS & SPECIFICATIONS. ELEVATIONS & DIMENSIONS SHOWN ON DRAWING ARE FOR DETAILING PURPOSES ONLY AND SHOULD NOT BE USED FOR CONSTRUCTION UNLESS VERIFIED BY ENGINEER OR CONTRACTOR.

- 1. IDENTIFY REBAR TYPE - LEVEL 1 OR LEVEL II, AS APPLICABLE, ON EACH SHEET.
- 2. NEED A MATERIAL LIST FOR ALL BARS, NOT JUST BENT BARS.

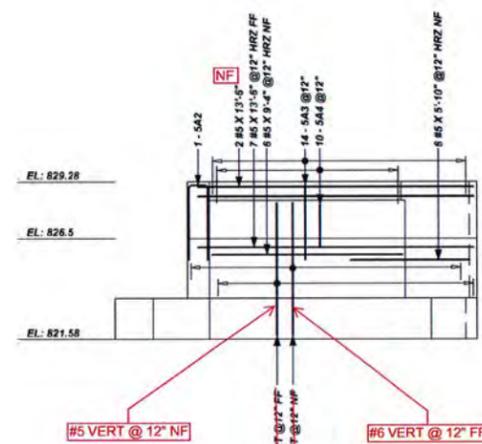


RETAINING WALL PLAN
1/4"=1'-0"

Bar Mark	Qty	Size	Min Length	Type	X	Y	Z	W	V	U	T	S	R	Q	P
SA1	15	#5	7'-4"	2	6'-10"	6'-6"									
SA2	1	#5	6'-4"	17		3'-8"	1'-0"	3'-8"							
SA3	14	#5	6'-0"	17		3'-8"	6'-4"	3'-8"							
SA4	15	#5	5'-4"	17		3'-1"	1'-2"	2'-1"							
SA1	15	#5	7'-4"	2	1'-0"	6'-4"									



SAMPLE BARS (RET WALL)
 1 #5 X 9' @12" SAMPLE
 1 - SA3 @12" SAMPLE
 1 #5 X 13'-6" @12" SAMPLE
 1 - SA1 @12" SAMPLE



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

Vermont Agency of Transportation
RECEIVED
 CK'D BY _____ OK'D BY _____
 March 16, 2015
 RESUBMIT Yes Rejected
 BY Rob Young DATE 4/2/2015

SHOP DRAWING REVIEW

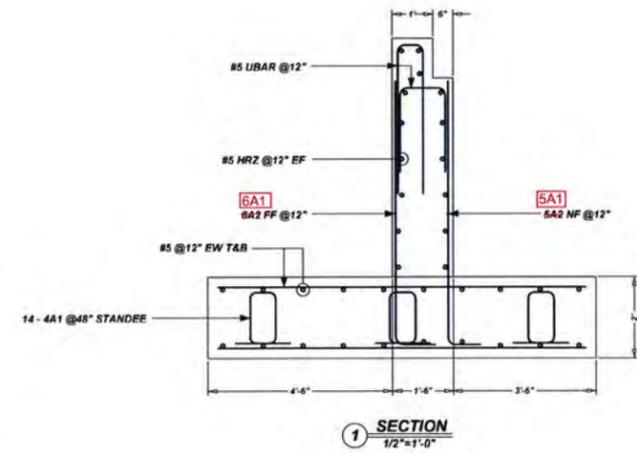
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REJECTED REVISE AND RESUBMIT APPROVED AS NOTED

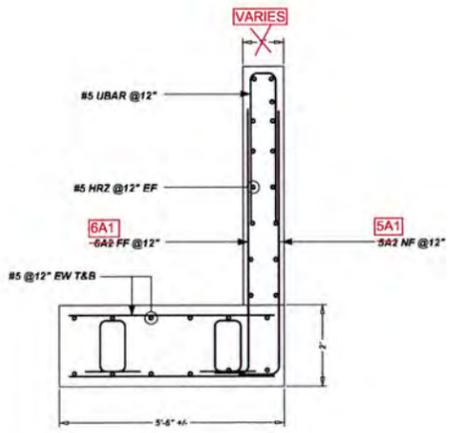
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CLD Consulting Engineers
 540 Commercial Street
 Montpelier, VT 05602
 (802) 249-4223

Job Number: 120121
 Reviewed by: SRB
 Date: 4/1/2015



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



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

REBAR GRADE 60 ASTM A-775 EPOXY COATED

SPlices USED		ABBREVIATIONS		BAR MARK SIZE EQUIVALENT	
TOP BARS	OTHER BARS			Imperial	Soft Metric
#3	#3	ADD.	= Additional	#3	#10
#4	#4	B.O.W.	= Bottom of wall	#4	#13
#5	#5	C.B.	= Corner Bars	#5	#16
#6	#6	DIAG.	= Diagonal	#6	#19
#7	#7	D.O.	= Door Opening	#7	#22
#8	#8	DWLS.	= Dowels	#8	#25
#9	#9	E.F.	= Each Face	#9	#29
#10	#10	E.S.	= Each Side	#10	#32
#11	#11	FTG.	= Footing	#11	#36
#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
0	3.13.15	APPROVAL			

HARMAC REBAR AND STEEL CORPORATION

HARMAC

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

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

301 Hartle Street
 Sayreville, NJ 03301

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

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

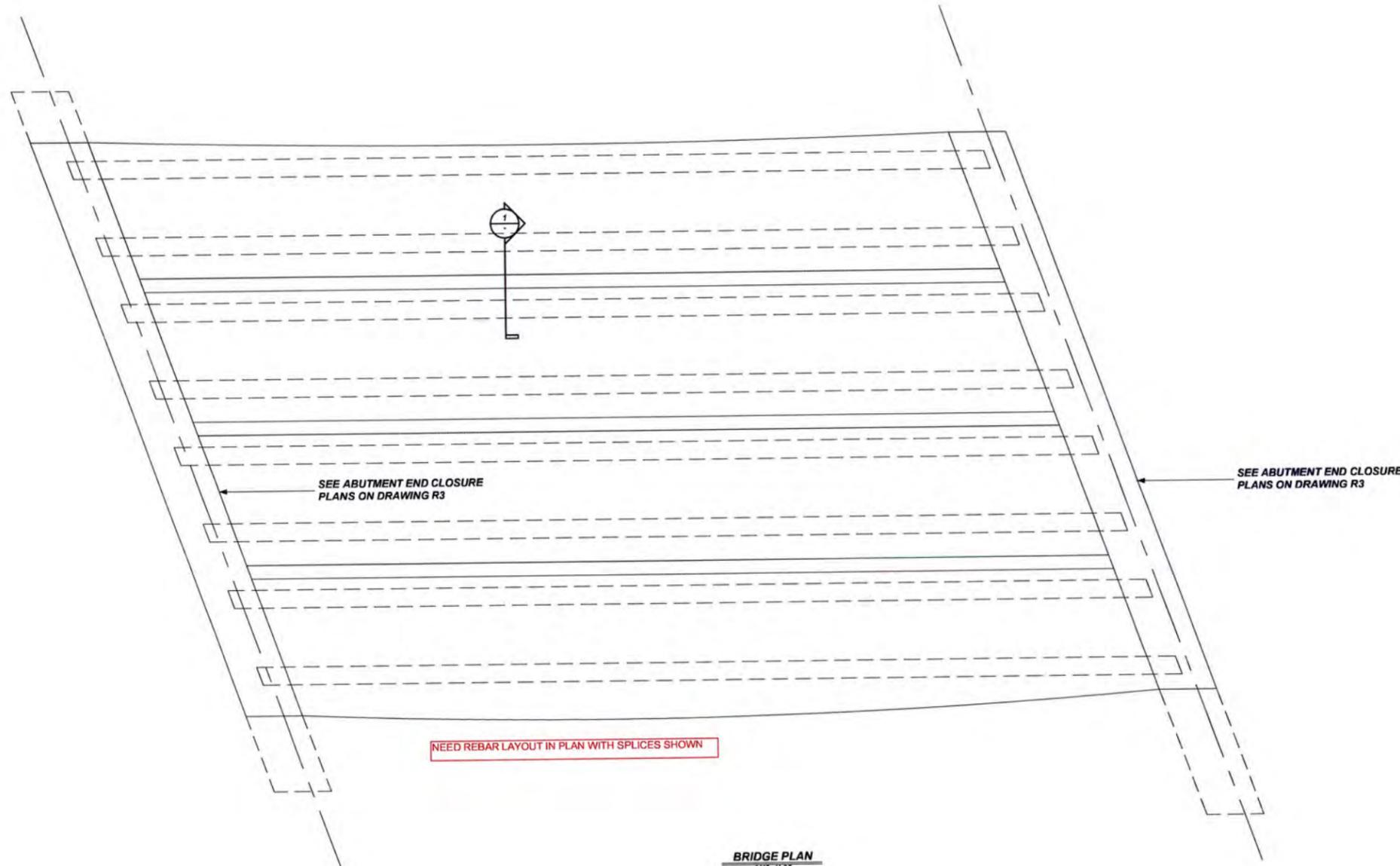
CUSTOMER: T BUCK
 DESIGNER: CLD CONSULTING ENGINEERS

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"

SEE R-3 FOR BENDING DIMENSIONS

SHOP DRAWING REVIEW

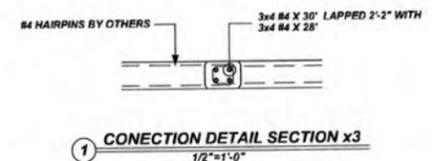
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CLD Consulting Engineers
240 Commercial Street
Hartford, CT 06101
861-994-8223

Job Number: 120121
Reviewed by: SRB
Date: 4/1/2015



Vermont Agency of Transportation
RECEIVED
CK'D BY _____ OK'D BY _____
March 16, 2015
RESUBMIT Yes Rejected
BY Rob Young DATE 4/2/2015

REBAR GRADE 60 ASTM A-775 DUAL EPOXY COATED		ABBREVIATIONS		BAR MARK SIZE EQUIVALENT	
SPLICES USED		ABBREVIATIONS		BAR MARK SIZE EQUIVALENT	
CLASS B 4,000 psi UNO					
TOP BARS	OTHER BARS	ADD. = Additional		Imperial	Soft Metric
#3	#3	B.O.W. = Bottom of wall		#3	#10
#4	#4	C.B. = Corner Bars		#4	#13
#5	#5	DIAG. = Diagonal		#5	#16
#6	#6	D.O. = Door Opening		#6	#19
#7	#7	D.W.S. = Dowels		#7	#22
#8	#8	E.F. = Each Face		#8	#25
#9	#9	E.S. = Each Side		#9	#29
#10	#10	E.W. = Each Way		#10	#32
#11	#11	FTG. = Footing		#11	#36
#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
0	3.13.15	APPROVAL			

HAR MAC REBAR AND STEEL CORPORATION

HAR MAC

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

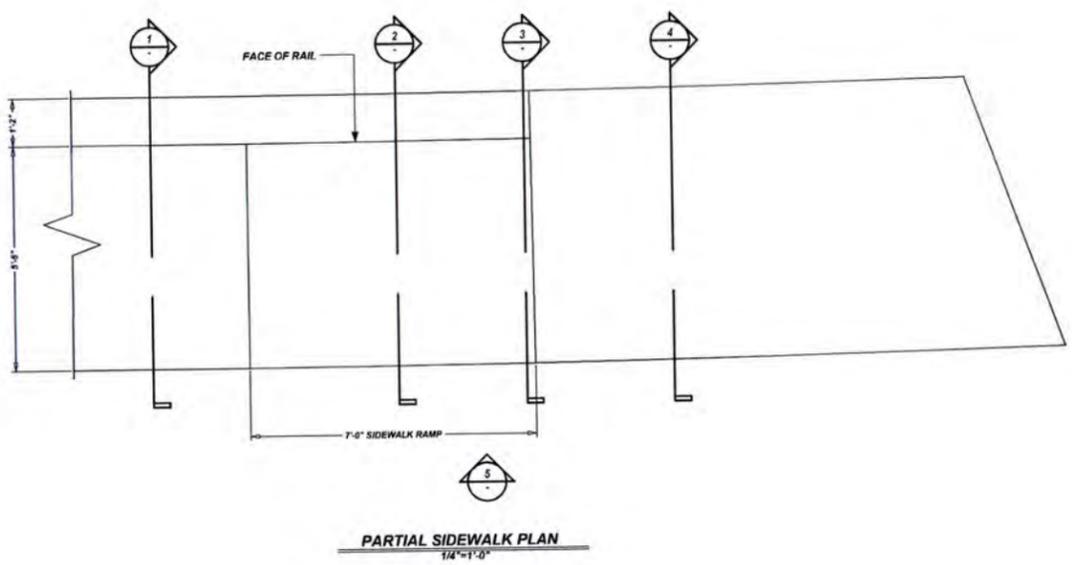
VT ROUTE 114 BRIDGE #13
DECK CONNECTION DETAIL
BURKE, VT

CUSTOMER: T BUCK
DESIGNER: CLD CONSULTING ENGINEERS

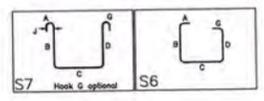
DRAWN BY	DATE	JOB NO	SHEET NO.
T.J.P.	3.13.15	M915J118	R-2

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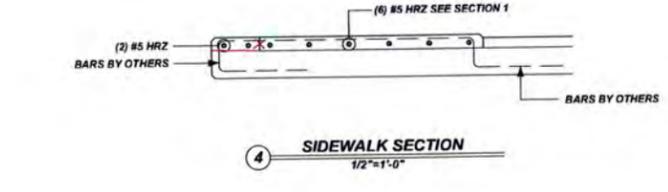
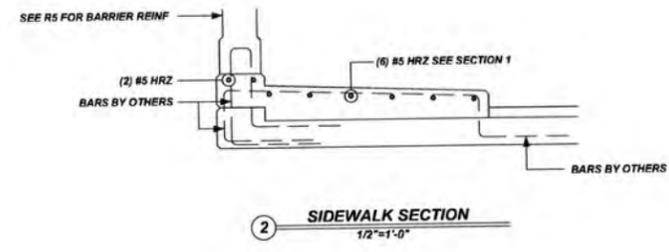
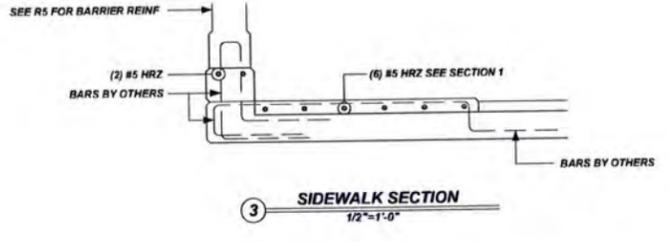
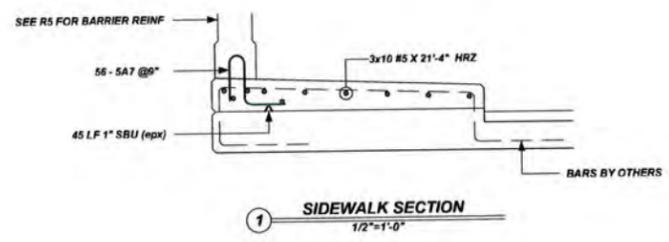
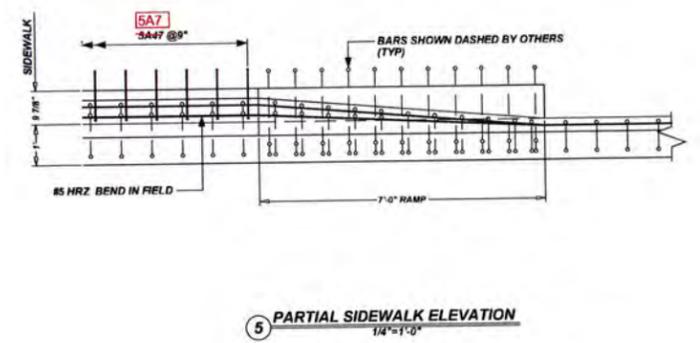
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Bar Mark	Qty	Size	Total Length	Splice	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
S7	56	#5	1'-10"	12	0'-3"	0'-3"	1'-0"	1'-0"								
S8	1	#5	5'-3"	56	0'-4"	0'-4"	5'-3"	0'-4"								



BAR S7 DOES NOT MATCH THE CONTRACT PLANS REBAR SCHEDULE. REVISE. ALSO, NO "H" IS SHOWN ON BEND S7.



Vermont Agency of Transportation
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 CK'D BY _____ OK'D BY _____
 March 16, 2015
 RESUBMIT Yes Rejected
 BY Rob Young DATE 4/2/2015

SHOP DRAWING REVIEW

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CLD Consulting Engineers
 440 Commercial Street
 Montpelier, VT 05602
 (802) 249-1234

Job Number: 120121
 Reviewed by: SRB
 Date: 4/1/2015

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

ADD. = Additional
 B.O.W. = Bottom of wall
 C.B. = Corner Bars
 DIAG. = Diagonal
 D.O. = Door Opening
 DWLS. = Dowels
 E.F. = Each Face
 E.S. = Each Side
 E.W. = Each Way
 FTG. = Footing
 F.F. = Far Face
 HORIZ. = Horizontal
 I.F. = Inside Face
 INTER. = 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

BAR MARK SIZE EQUIVALENT

Imperial	Soft Metric
#3	#10
#4	#13
#5	#16
#6	#19
#7	#22
#8	#25
#9	#29
#10	#32
#11	#36

REV NO	DATE	SENT FOR	REV NO	DATE	SENT FOR
0	3.13.15	APPROVAL			

HAR MAC REBAR AND STEEL CORPORATION

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P.O. Box 142
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 Fryeburg, ME 04037

301 Hartle Street
 Sayreville, NJ 03301

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

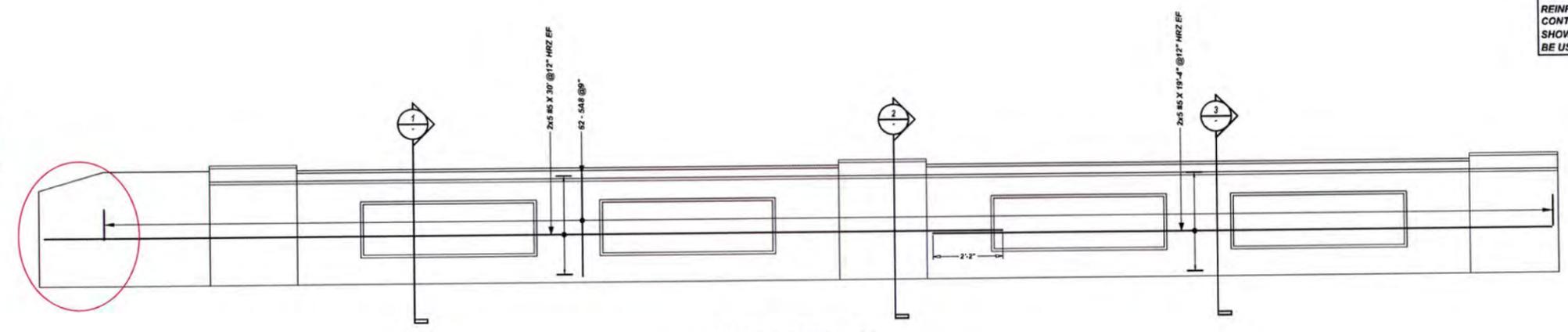
VT ROUTE 114 BRIDGE #13
 SIDEWALK REINFORCING
BURKE, VT

CUSTOMER: T BUCK
 DESIGNER: CLD CONSULTING ENGINEERS

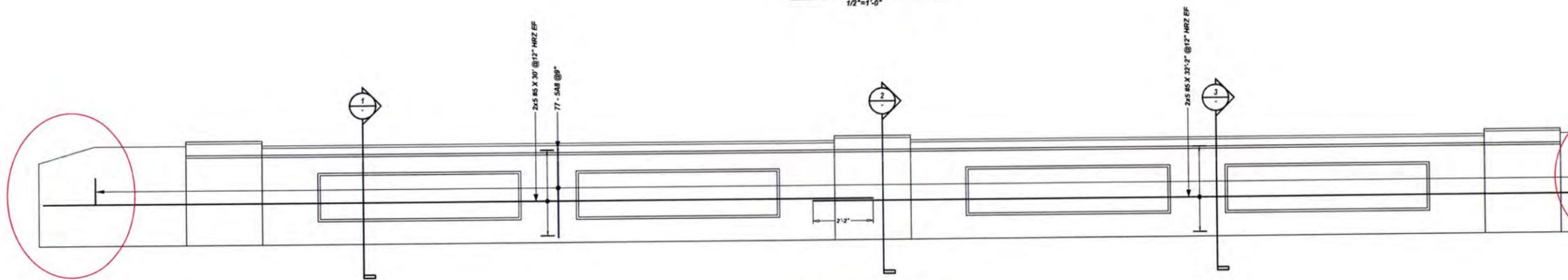
DRAWN BY	DATE	JOB NO	SHEET NO.
T.J.P.	3.13.15	M915J118	R-4

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WHAT ABOUT BARS AT END OF RAIL. BARS ARE STILL NEEDED HERE. PLEASE ADD.

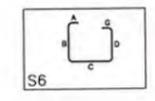


RAIL ELEVATION NORTH
1/2"=1'-0"



RAIL ELEVATION SOUTH
1/2"=1'-0"

Bar No.	Qty	Size	Length	Vol	Wt	Y	Z	Y	Z	Y	Z	Y	Z	Y	Z
54	138	#5	3'-3"			3'-3"	0'-4"	3'-3"	0'-4"	3'-3"	0'-4"	3'-3"	0'-4"	3'-3"	0'-4"



DOUBLE CHECK LENGTH

SHOP DRAWING REVIEW

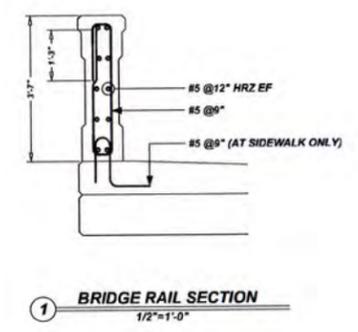
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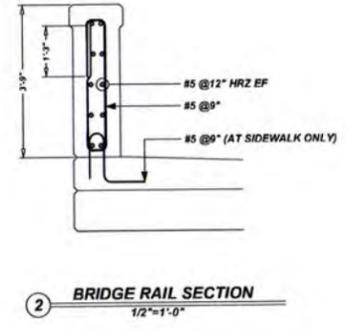
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CLD Consulting Engineers
140 Commercial Street
Manchester, NH 03101
603-668-0223

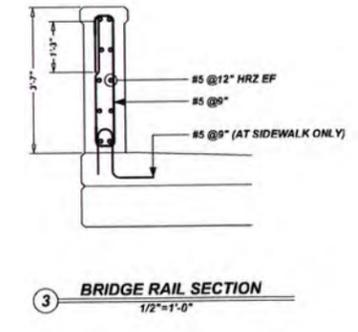
Job Number: 120121
Reviewed by: SRB
Date: 4/1/2015



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



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



BRIDGE RAIL SECTION
3
1/2"=1'-0"

Vermont Agency of Transportation
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REBAR GRADE 60 ASTM A-775 DUAL EPOXY COATED

SPLICES USED
CLASS B 4,000 psi UNO

TOP BARS	OTHER BARS	ABBREVIATIONS	BAR MARK SIZE EQUIVALENT
#3	#3	ADD. = Additional	Imperial #3 Soft Metric #10
#4	#4	B.O.W. = Bottom of wall	Imperial #4 Soft Metric #13
#5	#5 2'-2"	C.B. = Corner Bars	Imperial #5 Soft Metric #16
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#7	#7	D.O. = Door Opening	Imperial #7 Soft Metric #22
#8	#8	DWLS. = Dowels	Imperial #8 Soft Metric #25
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#11	#11	E.W. = Each Way	Imperial #11 Soft Metric #36
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301 Hartie Street
Sayreville, NJ 03301

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

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