



Barker Steel LLC  
 PO Box 553  
 450 US Route 4  
 Canaan, NH 03741  
 USA

**MATERIAL BAR LIST**

Job No.: 33505883 Release No.: 0001  
 Job Name: Lunenburg NH CULV (27) Release Description: ARCH WALLS 1 & 2 PH. I  
 Sell-To Customer: J. A. McDonald VERIFY LENGHTS

Ship To: Lunenburg NH CULV (27)  
 US Route 2, Approx 0.9 Miles W of  
 Lunenburg/Guildhall Town Line  
 Lunenburg, VT 05096

Prepared By: ADM Bill of Lading No.: Expected Ship Date: 01/01/29  
 Drawing Set No.: LIST Load No.: Bar Weight (Lb) 3,450  
 Drawing Sheet No.: LIST Shipping Location: Canaan Bar Weight (Ton) 1.725  
 Mill Cert. Required: Yes Tag Color/Code: Total No. of Bars: 270  
 Bending On Site: No Longest Bar: 38'-10"  
 Cert. of Comp.:

Shipping Agent:

Bid Item No.: 507.11 Grade Group: 60B (A615-60 Black)

Quantity	Bar Size	Bend Type	Vary Group	Bar Mark	Length	A	B	C	D	E	F	G	H	J	K	O	R	Weight (Lb)
105	5	17		1A503	5'-2		1'-9	1'-8	1'-9									566.00
105	5	17		2A503	5'-2		1'-9	1'-8	1'-9									566.00
<del>10</del>	<del>5</del>	<del>0</del>		<del>1A502A</del>	<del>38'-10</del>		<del>38'-10</del>											<del>405.00</del>
<del>10</del>	<del>5</del>	<del>0</del>		<del>2A502A</del>	<del>38'-10</del>		<del>38'-10</del>											<del>405.00</del>
30	20	5	0	1A502	36'-2		37'-1"		37'-1"									754.00
30	20	5	0	2A502	36'-2		37'-1"		37'-1"									754.00

Bar Size Summary

Bar Size	Quantity	Weight (Lb)
5	270	3,450.00

Vermont Agency of Transportation

**RECEIVED**

ON: **April 29, 2016**

and Checked for

**CONFORMANCE**

BY: Danny Landry DATE: 05/04/16

**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 COMPLIANCE WITH 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 RESPONSIBLE 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, Inc.  
 540 Commercial Street  
 Manchester, NH 03101  
 603-666-8223

Job Number: 12-0106  
 Reviewed By: NDC  
 Date: 5/3/16



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### MATERIAL BAR LIST

Job No.: 33505883  
 Job Name: Lunenburg NH CULV (27)  
 Sell-To Customer: J. A. McDonald

Release No.: 0002  
 Release Description: MAT FOUNDATION PH. I  
 VERIFY LENGTHS

Ship To: Lunenburg NH CULV (27)  
 US Route 2, Approx 0.9 Miles W of  
 Lunenburg/Guildhall Town Line  
 Lunenburg, VT 05096

Prepared By: ADM  
 Drawing Set No.: LIST  
 Drawing Sheet No.: LIST  
 Mill Cert. Required: Yes  
 Bending On Site: No  
 Cert. of Comp.:

Bill of Lading No.:  
 Load No.:  
 Shipping Location: Canaan  
 Tag Color/Code:

Expected Ship Date: 01/01/29  
 Bar Weight (Lb) 31,649  
 Bar Weight (Ton) 15.825  
 Total No. of Bars: 1,270  
 Longest Bar: 36'-2

Shipping Agent:

Bid Item No.: 507.11 Grade Group: 60B (A615-60 Black)

Quantity	Bar Size	Bend Type	Vary Group	Bar Mark	Length	A	B	C	D	E	F	G	H	J	K	O	R	Weight (Lb)
35	8	0		S803	29'-6		29'-6											2,836.00
62	8	0		S811	29'-1		29'-1											4,814.00
<del>31</del>	<del>7</del>	<del>0</del>		<del>S710A</del>	<del>30'-3</del>		<del>30'-3</del>											<del>1,917.00</del>
62	7	0		S710	27'-3 28'-11"		27'-3 28'-11"											1,727.00
140	6	0		S604	29'-6		29'-6											6,203.00
220	5	S5		S514	10'-10	1'-0	4'-1	0'-8	4'-1			1'-0						2,486.00
420	5	17A		S512	7'-1		6'-1	1'-0										3,103.00
93	5	0		S508	35'-2 37'-1"		35'-2 37'-1"											3,508.00
105	5	0		S502	29'-6		29'-6											3,231.00
132	5	0		S515	13'-3		13'-3											1,824.00

Bar Size Summary

Bar Size	Quantity	Weight (Lb)
8	98	7,650.00
7	62	3,644.00
6	140	6,203.00
5	970	14,152.00



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### MATERIAL BAR LIST

Job No.: 33505883  
 Job Name: Lunenburg NH CULV (27)  
 Sell-To Customer: J. A. McDonald

Release No.: 0003  
 Release Description: ARCH WALLS 1 & 2 PH. II  
 VER/LGHTS

Ship To: Lunenburg NH CULV (27)  
 US Route 2, Approx 0.9 Miles W of  
 Lunenburg/Guildhall Town Line  
 Lunenburg, VT 05096

Prepared By: ADM  
 Drawing Set No.: LIST  
 Drawing Sheet No.: LIST  
 Mill Cert. Required: Yes  
 Bending On Site: No  
 Cert. of Comp.:

Bill of Lading No.:  
 Load No.:  
 Shipping Location: Canaan  
 Tag Color/Code:

Expected Ship Date: 01/01/29  
 Bar Weight (Lb) 910  
 Bar Weight (Ton) 0.455  
 Total No. of Bars: 78  
 Longest Bar: 28'-8

Shipping Agent:

Bid Item No.: 507.11

Grade Group: 60B (A615-60 Black)

Quantity	Bar Size	Bend Type	Vary Group	Bar Mark	Length	A	B	C	D	E	F	G	H	J	K	O	R	Weight (Lb)
29	5	17		1A503	5'-2		1'-9	1'-8	1'-9									156.00
29	5	17		2A503	5'-2		1'-9	1'-8	1'-9									156.00
10	5	0		1A501	28'-8 1/4"		28'-8 1/4"											299.00
10	5	0		2A501	28'-8 1/4"		28'-8 1/4"											299.00

Bar Size Summary

Bar Size	Quantity	Weight (Lb)
5	78	910.00



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### MATERIAL BAR LIST

Job No.: 33505883  
 Job Name: Lunenburg NH CULV (27)  
 Sell-To Customer: J. A. McDonald

Release No.: 0005  
 Release Description: MAT FOUNDATION PH. II  
 VER: LGHTS

Ship To: Lunenburg NH CULV (27)  
 US Route 2, Approx 0.9 Miles W of  
 Lunenburg/Guildhall Town Line  
 Lunenburg, VT 05096

Prepared By: ADM  
 Drawing Set No.: LIST  
 Drawing Sheet No.: LIST  
 Mill Cert. Required: Yes  
 Bending On Site: No  
 Cert. of Comp.:

Bill of Lading No.:  
 Load No.:  
 Shipping Location: Canaan  
 Tag Color/Code:

Expected Ship Date: 01/01/29  
 Bar Weight (Lb) 9,343  
 Bar Weight (Ton) 4,672  
 Total No. of Bars: 482  
 Longest Bar: 29'-6"

Shipping Agent:

Bid Item No.: 507.11

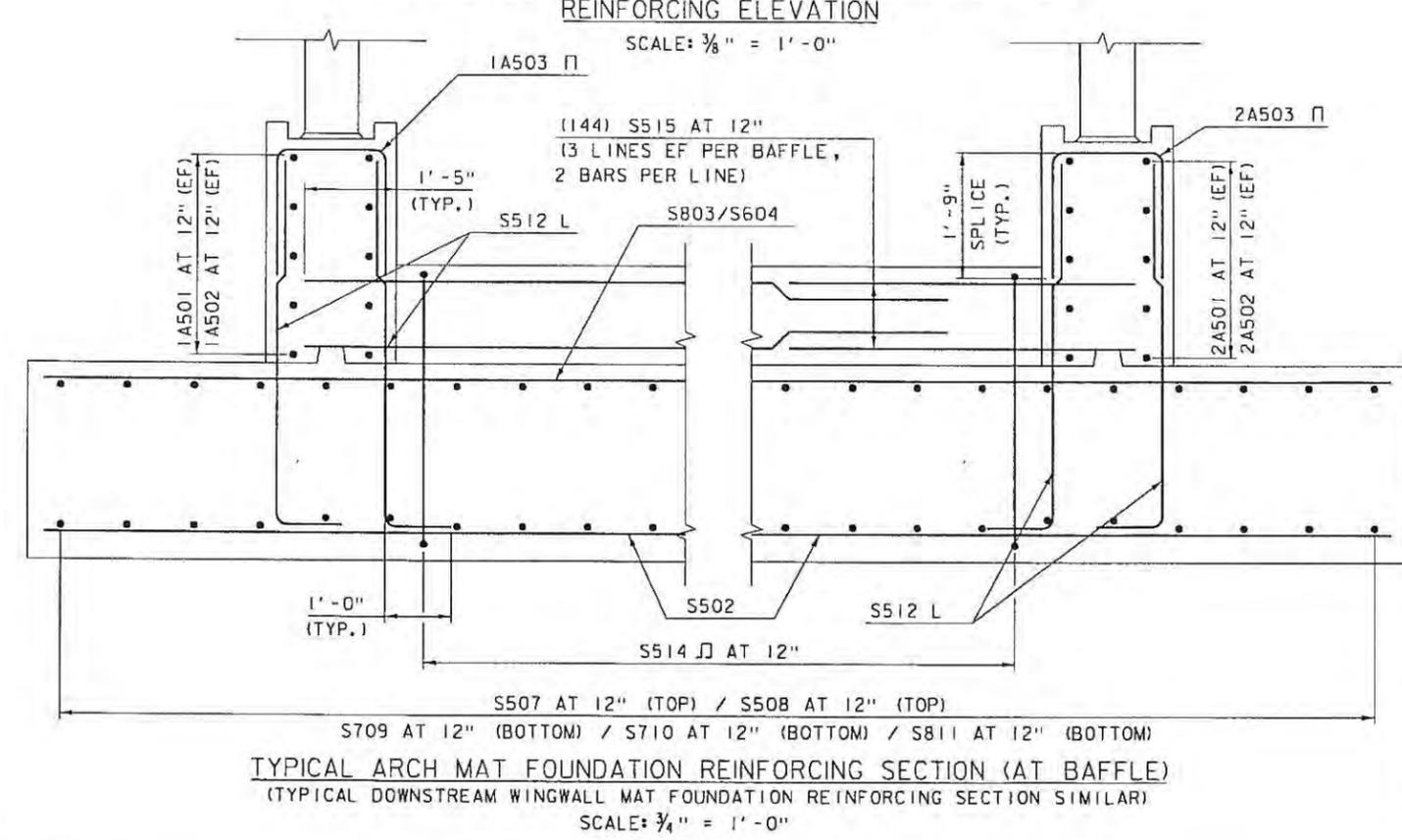
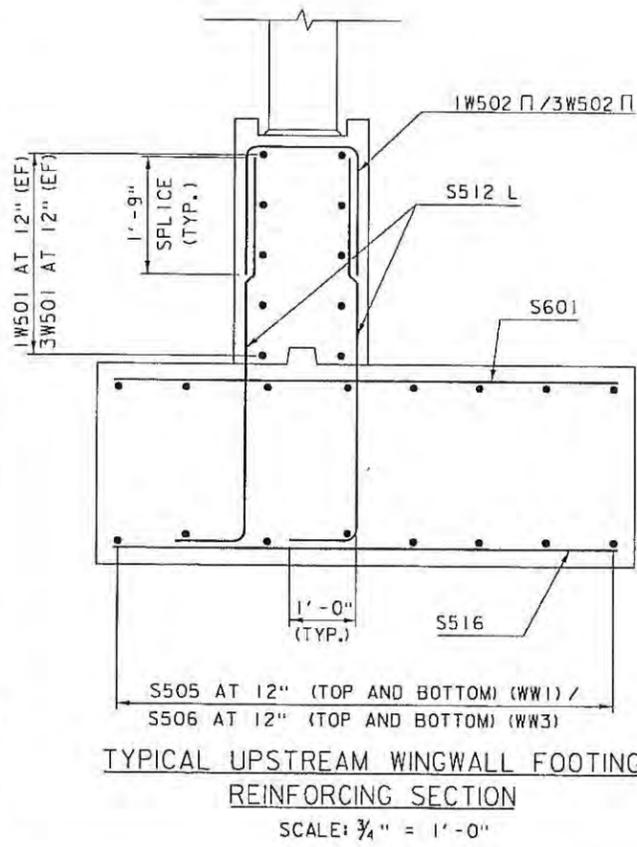
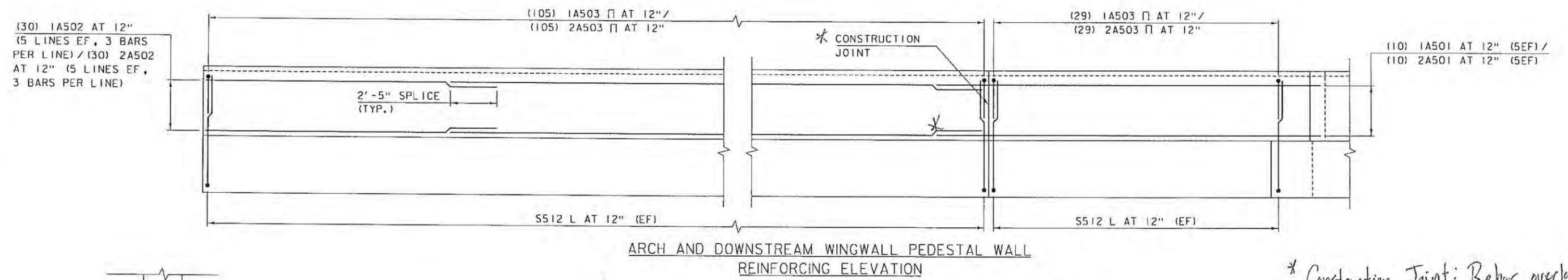
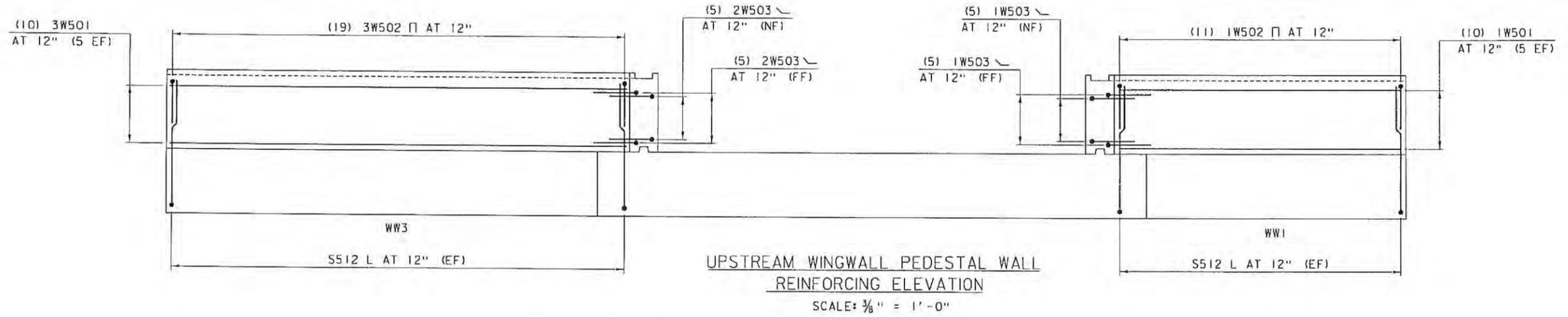
Grade Group: 60B (A615-60 Black)

Quantity	Bar Size	Bend Type	Vary Group	Bar Mark	Length	A	B	C	D	E	F	G	H	J	K	O	R	Weight (Lb)
29	8	0		S803	29'-5"		29'-6"											2,284.00
31	7	0		S709	<del>27'-9"</del> 27'-6"		<del>27'-9"</del> 27'-6"											1,758.00
74	6	0		S601	7'-6"		7'-6"											834.00
20	5	S5		S514	10'-10"	1'-0"	4'-1"	0'-8"	4'-1"			1'-0"						226.00
178	5	17A		S512	7'-1"		6'-1"	1'-0"										1,315.00
4	5	3C		S513	4'-10"	0	2'-5"	2'-5"					1'-8 1/2"	0	1'-6 1/2"	0		20.00
29	5	0		S502	29'-6"		29'-6"											892.00
31	5	0		S507	<del>27'-9"</del> 27'-6"		<del>27'-9"</del> 27'-6"											897.00
18	5	0		S508	21'-5"		21'-5"											402.00
18	5	0		S505	13'-5"		13'-5"											252.00
12	5	0		S515	13'-3"		13'-3"											166.00
38	5	0		S516	7'-6"		7'-6"											297.00

Bar Size Summary

Bar Size	Quantity	Weight (Lb)
8	29	2,284.00
7	31	1,758.00
6	74	834.00
5	348	4,467.00





\* Construction Joint: Rebar overlap at Construction joint is shown on wrong side of joint. See revised rebar Schedule for adjusted bar lengths.

- NOTES:
- NF = NEAR FACE
  - FF = FAR FACE
  - EF = EACH FACE
  - 3" CLEAR IN MAT FOUNDATION,
  - 2" CLEAR AT ALL OTHER LOCATIONS.
  - 2'-5" BAR LAP UNLESS OTHERWISE SPECIFIED ON THE PLANS

PROJECT NAME:	LUNENBURG
PROJECT NUMBER:	NH CULV(27)
FILE NAME:	lib294/cos/zlib294sub.dgn
PROJECT LEADER:	J. BYATT
DESIGNED BY:	S. BEAUMONT
SUBSTRUCTURE REINFORCING SHEET 2	
PLOT DATE:	8/6/2015
DRAWN BY:	M. SMITH
CHECKED BY:	J. BYATT
SHEET	48 OF 74

C.D. 12-0106 MODEL: Sheet10

