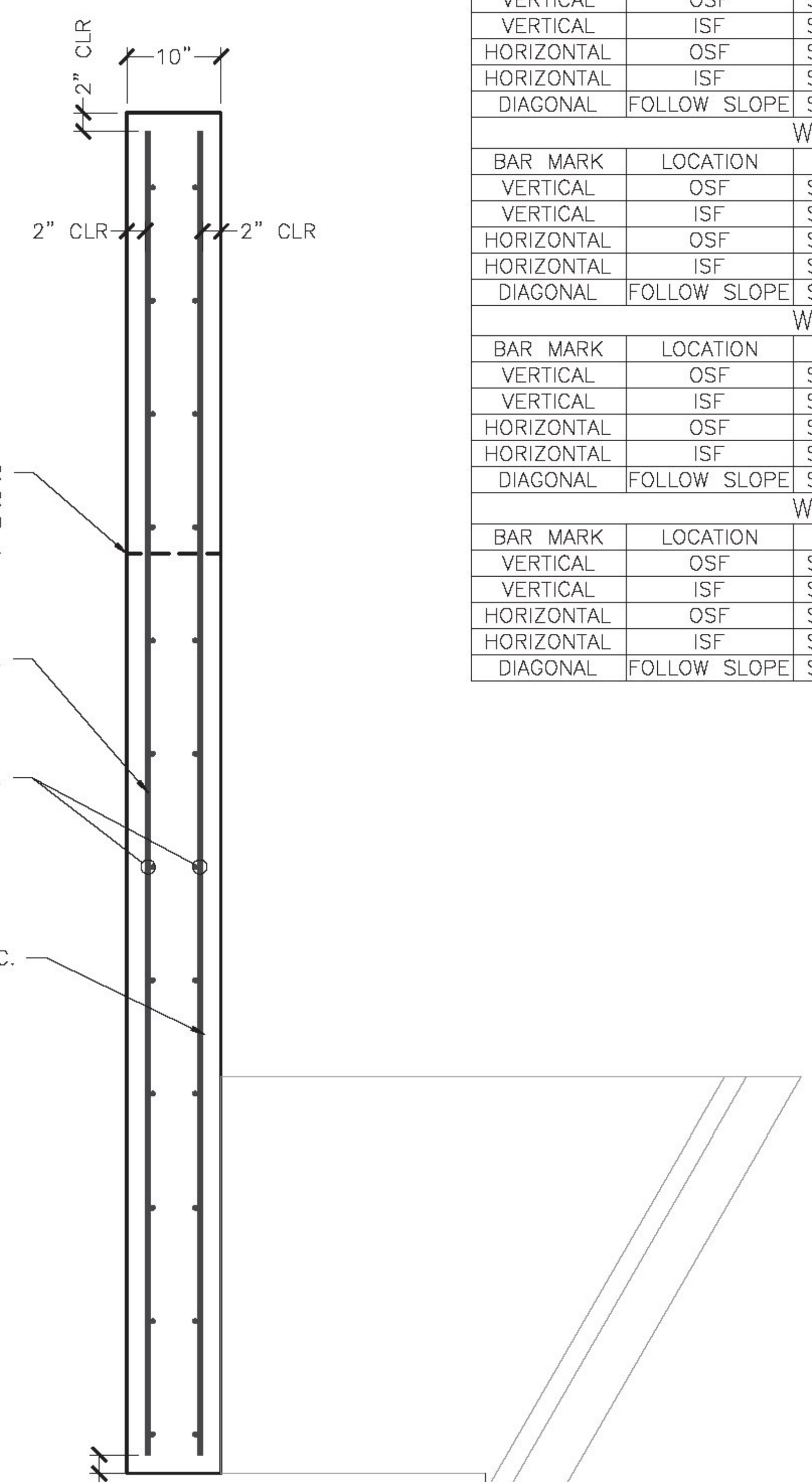
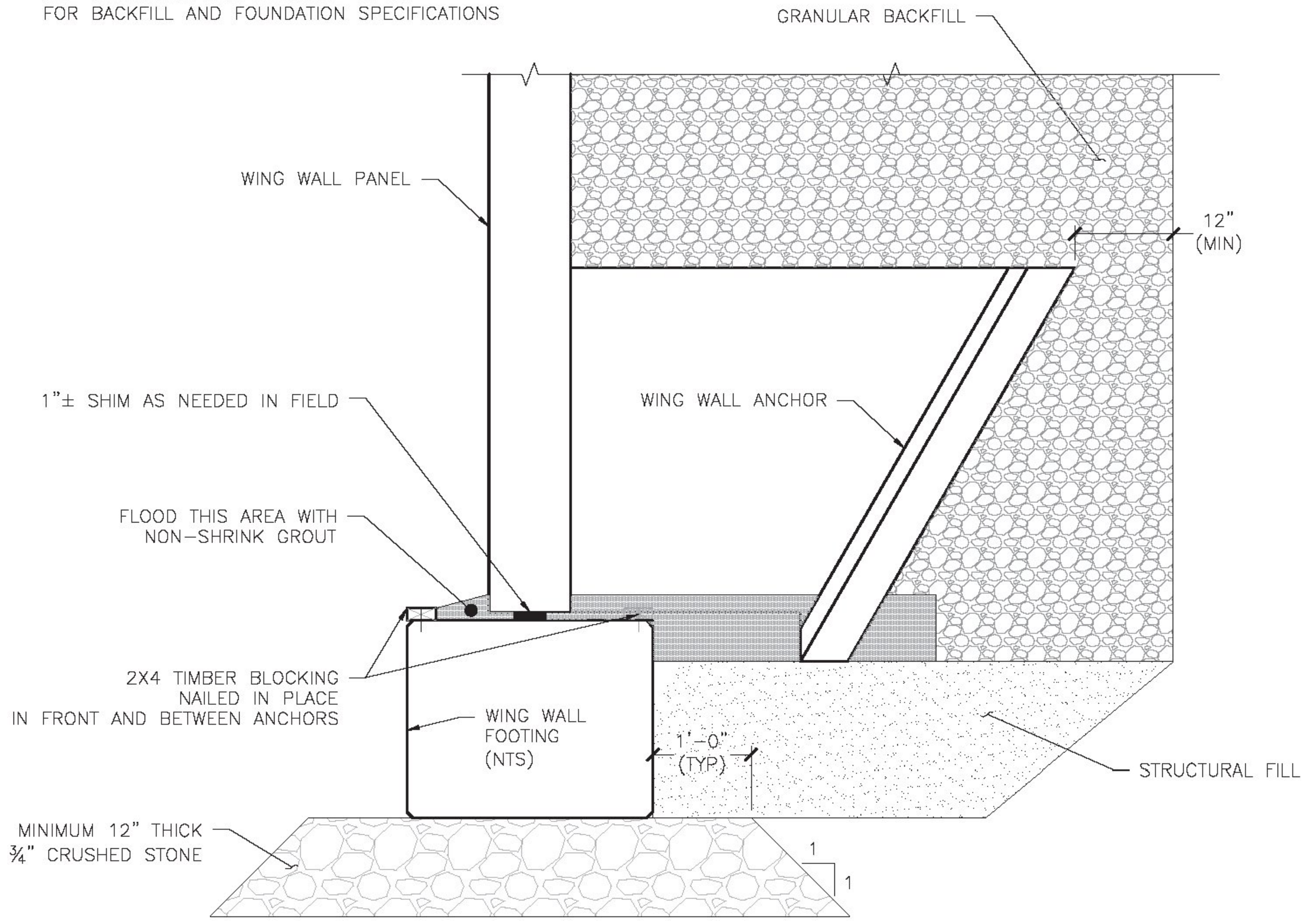


1 / S5.0 WINGWALL REINFORCING (TYP)
3/4" = 1'-0"

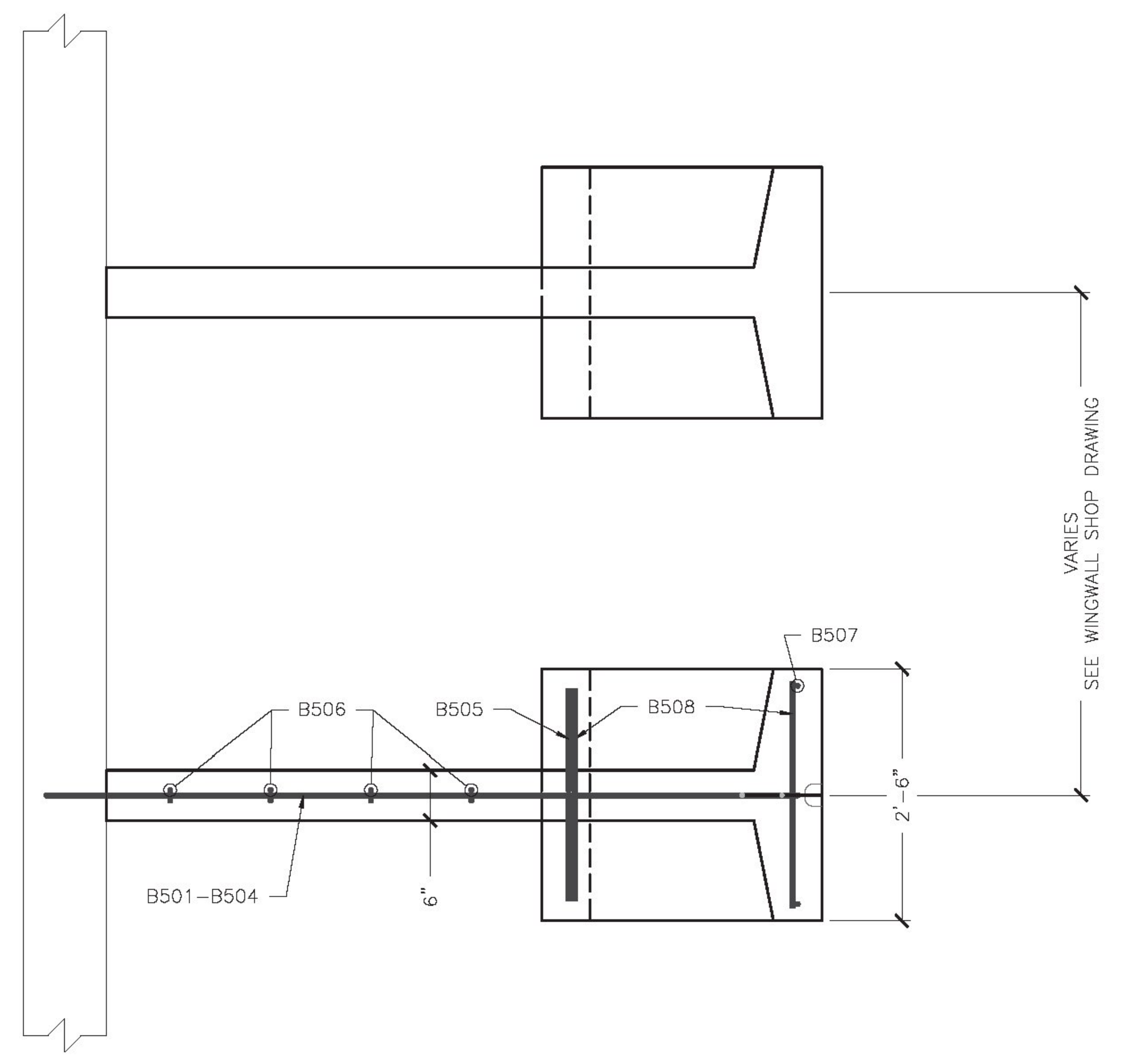
NOTE: BAR COUNTS REPRESENT 1 UNIT.

WW1 REINFORCING SCHEDULE					
BAR MARK	LOCATION	TYPE	SIZE/SPACING	CUT LENGTH	# OF PCS
VERTICAL	OSF	STRAIGHT	#4 @ 12"	11'-3" TO 6'-7¼"	7
VERTICAL	ISF	STRAIGHT	#6 @ 10"	11'-3" TO 6'-7¼"	9
HORIZONTAL	OSF	STRAIGHT	#4 @ 12"	6'-11½"	12
HORIZONTAL	ISF	STRAIGHT	#4 @ 12"	6'-10¼"	12
DIAGONAL	FOLLOW SLOPE	STRAIGHT	#4	7'-3"	2
WW4 REINFORCING SCHEDULE					
BAR MARK	LOCATION	TYPE	SIZE/SPACING	CUT LENGTH	# OF PCS
VERTICAL	OSF	STRAIGHT	#4 @ 12"	11'-3" TO 6'-2⅞"	7
VERTICAL	ISF	STRAIGHT	#6 @ 10"	11'-3" TO 6'-2⅞"	9
HORIZONTAL	OSF	STRAIGHT	#4 @ 12"	6'-11½"	12
HORIZONTAL	ISF	STRAIGHT	#4 @ 12"	6'-10¼"	12
DIAGONAL	FOLLOW SLOPE	STRAIGHT	#4	7'-3"	2
WW2 REINFORCING SCHEDULE					
BAR MARK	LOCATION	TYPE	SIZE/SPACING	CUT LENGTH	# OF PCS
VERTICAL	OSF	STRAIGHT	#4 @ 12"	11'-3" TO 8'-7¼"	12
VERTICAL	ISF	STRAIGHT	#6 @ 10"	11'-3" TO 8'-7¼"	15
HORIZONTAL	OSF	STRAIGHT	#4 @ 12"	11'-11½"	12
HORIZONTAL	ISF	STRAIGHT	#4 @ 12"	11'-10¼"	12
DIAGONAL	FOLLOW SLOPE	STRAIGHT	#4	11'-0"	2
WW3 REINFORCING SCHEDULE					
BAR MARK	LOCATION	TYPE	SIZE/SPACING	CUT LENGTH	# OF PCS
VERTICAL	OSF	STRAIGHT	#4 @ 12"	11'-3" TO 8'-2⅞"	14
VERTICAL	ISF	STRAIGHT	#6 @ 10"	11'-3" TO 8'-2⅞"	17
HORIZONTAL	OSF	STRAIGHT	#4 @ 12"	13'-11½"	12
HORIZONTAL	ISF	STRAIGHT	#4 @ 12"	13'-10¼"	12
DIAGONAL	FOLLOW SLOPE	STRAIGHT	#4	13'-0"	2

SEE STRUCTURE AND WINGWALL NOTES
FOR BACKFILL AND FOUNDATION SPECIFICATIONS



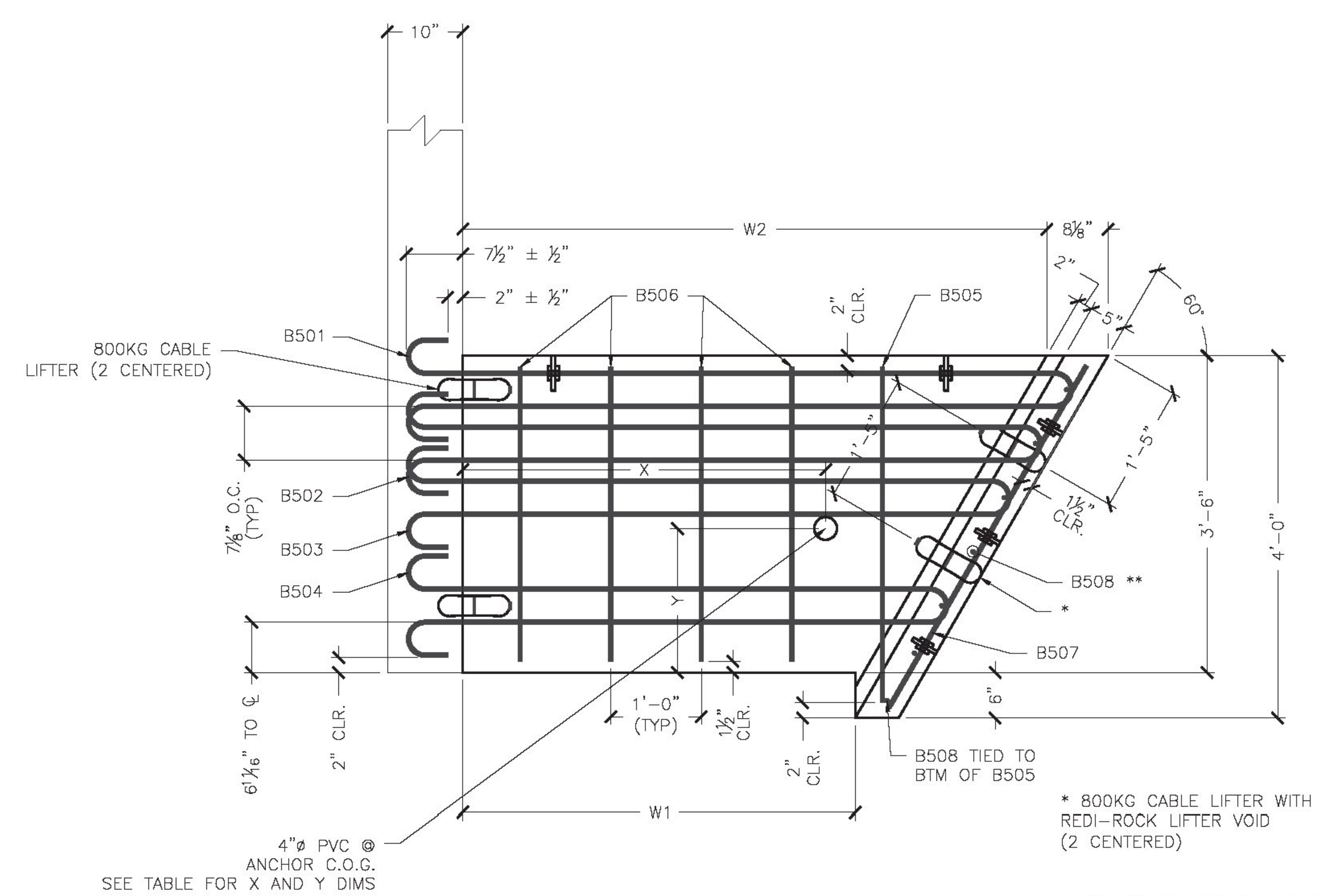
FOOTING TO WW ATTACHMENT DETAIL
2 / S5.0
3/4" = 1'-0"



3 REQ'D

4 REQ'D

NOTE: REINFORCING SHOWN REPRESENTS "E" ANCHOR
OTHER ANCHOR REINFORCING SIMILAR



* 800KG CABLE LIFTER WITH
REDI-ROCK LIFTER VOID
(2 CENTERED)

** PLACE (1) B508 THROUGH EACH HOOP BARS,
(1) CENTERED BETWEEN HOOP BARS 503 & 504, AND
(2) BELOW B504 HOOP BAR W/ BOTTOM B508
2" CLEAR FROM BOTTOM (7 TOTAL)

3 / S5.0 ANCHOR DETAIL
3/4" = 1'-0"

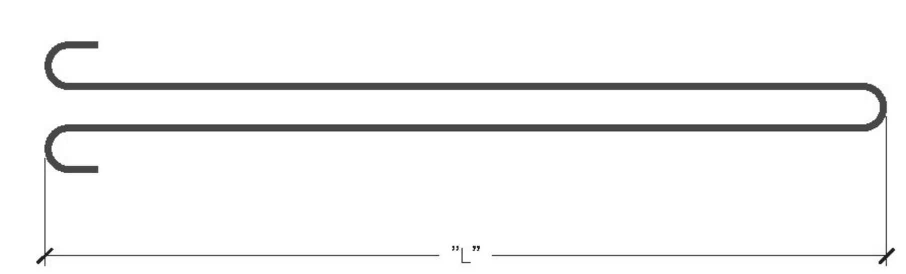
ANCHOR TYPE "B"					
CONCRETE QUANTITY				0.41 CY	
WEIGHT				1740 LB	
W1				1'-4"	
W2				3'-5⅜"	
X =	2'-2⅛"	Y=	1'-8⅜"		
BAR LIST					
MARK	QTY	SIZE	L	TYPE	LENGTH
B501	1	#5	4'-4½"	1	10'-1½"
B502	1	#5	4'-0½"	1	9'-5"
B503	1	#5	3'-8¼"	1	8'-9"
B504	1	#5	3'-0"	1	7'-4½"
B505	2	#5	3'-8½"	2	4'-7"
B506	2	#5	----	Str.	3'-3"
B507	4	#5	----	Str.	4'-4½"
B508	7	#5	----	Str.	2'-3"

ANCHOR TYPE "C"					
CONCRETE QUANTITY				0.48 CY	
WEIGHT				2010 LB	
W1				2'-4"	
W2				4'-5⅜"	
X =	2'-8¾"	Y=	1'-8½"		
BAR LIST					
MARK	QTY	SIZE	L	TYPE	LENGTH
B501	1	#5	5'-4½"	1	12'-1½"
B502	1	#5	5'-0½"	1	11'-5"
B503	1	#5	4'-8¼"	1	10'-9"
B504	1	#5	4'-0"	1	9'-4½"
B505	2	#5	3'-8½"	2	4'-7"
B506	4	#5	----	Str.	3'-3"
B507	4	#5	----	Str.	4'-4½"
B508	7	#5	----	Str.	2'-3"

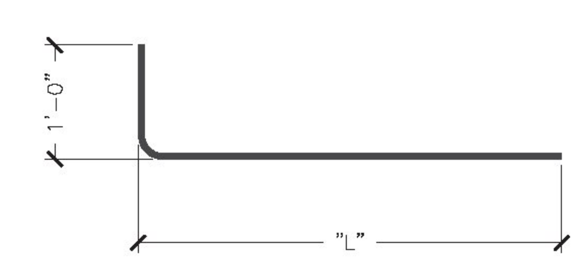
ANCHOR TYPE "D"					
CONCRETE QUANTITY				0.54 CY	
WEIGHT				2285 LB	
W1				3'-4"	
W2				5'-5⅜"	
X =	3'-5⅛"	Y=	1'-8½"		
BAR LIST					
MARK	QTY	SIZE	L	TYPE	LENGTH
B501	1	#5	6'-4½"	1	14'-1½"
B502	1	#5	6'-0½"	1	13'-5"
B503	1	#5	5'-8¼"	1	12'-9"
B504	1	#5	5'-0"	1	11'-4½"
B505	2	#5	3'-8½"	2	4'-7"
B506	6	#5	----	Str.	3'-3"
B507	4	#5	----	Str.	4'-4½"
B508	7	#5	----	Str.	2'-3"

ANCHOR TYPE "E"					
CONCRETE QUANTITY				0.61 CY	
WEIGHT				2550 LB	
W1				4'-4"	
W2				6'-5⅜"	
X =	4'-0"	Y=	1'-8⅝"		
BAR LIST					
MARK	QTY	SIZE	L	TYPE	LENGTH
B501	1	#5	7'-4½"	1	16'-1½"
B502	1	#5	7'-0½"	1	15'-5"
B503	1	#5	6'-8¼"	1	14'-9"
B504	1	#5	6'-0"	1	13'-4½"
B505	2	#5	3'-8½"	2	4'-7"
B506	8	#5	----	Str.	3'-3"
B507	4	#5	----	Str.	4'-4½"
B508	7	#5	----	Str.	2'-3"

ANCHOR TYPE "F"					
CONCRETE QUANTITY				0.68 CY	
WEIGHT				2860 LB	
W1				5'-4"	
W2				7'-5⅜"	
X =	4'-7⅝"	Y=	1'-8⅝"		
BAR LIST					
MARK	QTY	SIZE	L	TYPE	LENGTH
B501	1	#5	8'-4½"	1	18'-1½"
B502	1	#5	8'-0½"	1	17'-5"
B503	1	#5	7'-8¼"	1	16'-9"
B504	1	#5	7'-0"	1	15'-4½"
B505	2	#5	3'-8½"	2	4'-7"
B506	10	#5	----	Str.	3'-3"
B507	4	#5	----	Str.	4'-4½"
B508	7	#5	----	Str.	2'-3"



TYPE 1



TYPE 2

No.	Date	Revision	By
△	XXXXXXXX	XX	XXX

MICHIE CORPORATION
173 BUXTON INDUSTRIAL DRIVE - PO BOX 870
HENNIKER, NH 03242
PHONE 603-428-3218
FAX 603-428-7426
WWW.MICHIECORP.COM

Bridge 47 - Route 30 - VAOT STP Culv(31)
Winhall, VT
12'x7' Open Top Box Culvert - Anchor WW Details

Project No. 5779
Date: 2/26/2015
Designed by: PJL/CFP
Drawn by: CFP
Checked by: PJL
Scale: AS SHOWN

Prepared for:
Renaud Brothers, Inc.
283 Fort Bridgeman Rd #2
Vernon, VT 05354

DWG NO.
S5.0