

No.	Date	Revision	By

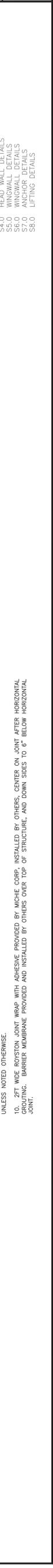
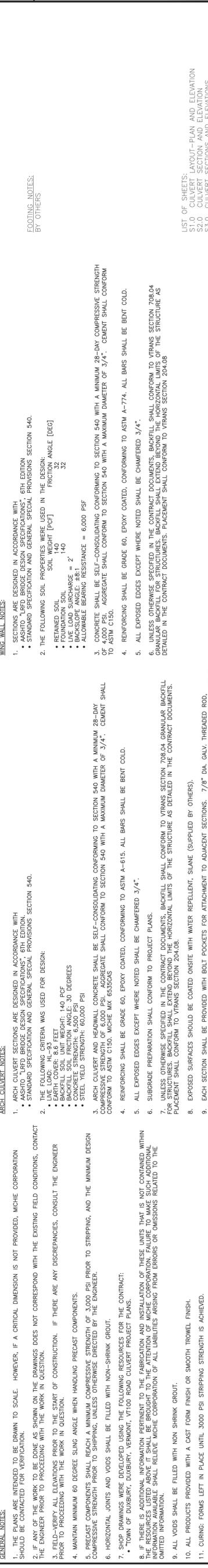
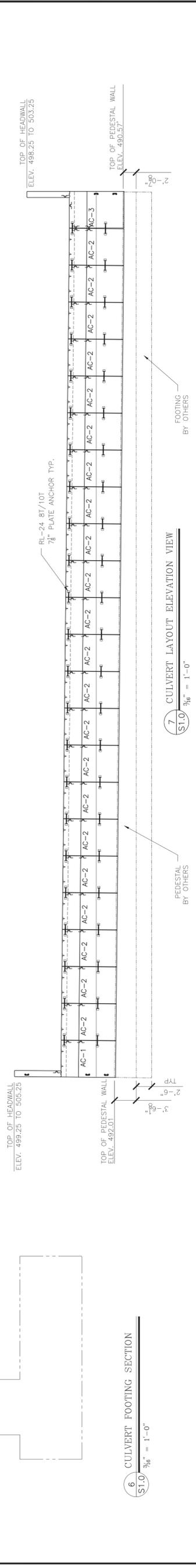
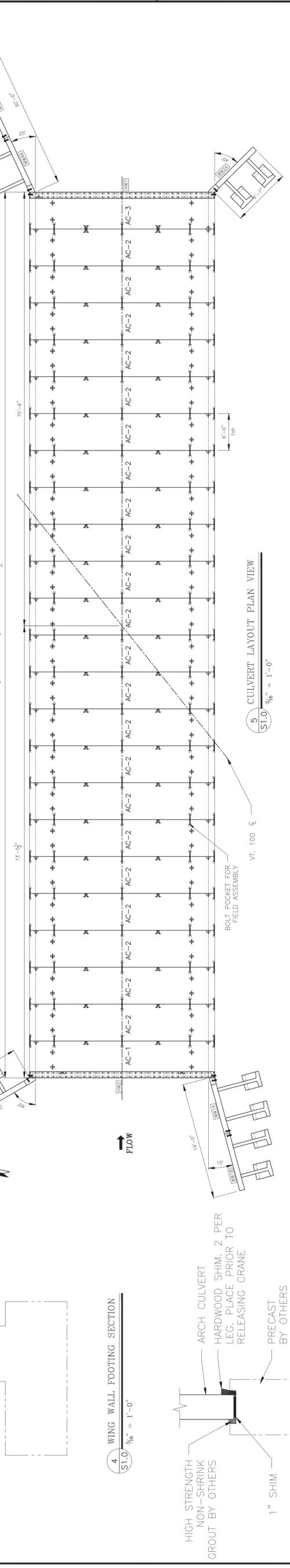
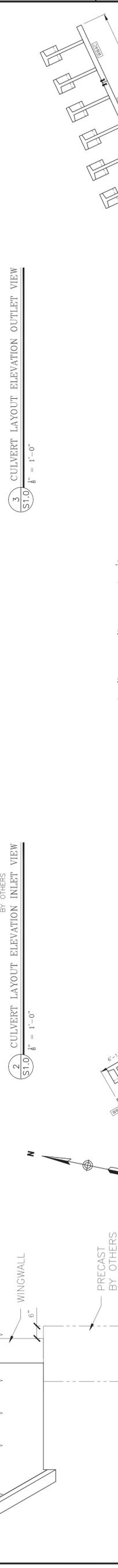
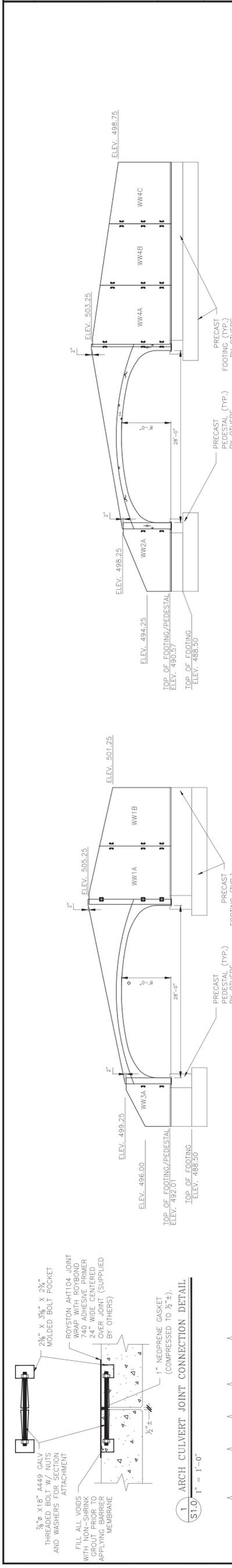


DESIGNED AND DETAILD BY:
DELTA
 ENGINEERS, ARCHITECTS, & LAND SURVEYORS
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Scale: AS SHOWN
 Checked by: _____
 Drawn by: CSC
 Designed by: DELTA
 Project No. 7347
 Date: 6/29/16

PREPARED FOR:
MICHELLE CORPORATION, INC.
 173 BUXTON INDUSTRIAL DRIVE, BOX 870
 HENNINGHAM, NH 03242
 PHONE: 603-428-2318
 FAX: 603-428-7428

DWG NO.
S1.0



GENERAL NOTES:

- THE PLANS ARE INTENDED TO BE DRAWN TO SCALE. HOWEVER, IF A CRITICAL DIMENSION IS NOT PROVIDED, MICHELLE CORPORATION SHOULD BE CONTACTED FOR VERIFICATION.
- IF ANY OF THE WORK TO BE DONE AS SHOWN ON THE DRAWINGS DOES NOT CORRESPOND WITH THE EXISTING FIELD CONDITIONS, CONTACT THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK IN QUESTION.
- FIELD-VERRY ALL ELEVATIONS PRIOR TO THE START OF CONSTRUCTION. IF THERE ARE ANY DISCREPANCIES, CONSULT THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK IN QUESTION.
- MAINTAIN MINIMUM 60 DEGREE SING ANGLE WHEN HANDLING PRECAST COMPONENTS.
- PRECAST COMPONENTS SHALL REACH A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI PRIOR TO STRIPPING, AND THE MINIMUM DESIGN COMPRESSIVE STRENGTH PRIOR TO SHIPPING, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- HORIZONTAL JOINTS AND VOIDS SHALL BE FILLED WITH NON-SHRINK GROUT.
- SHOP DRAWINGS WERE DEVELOPED USING THE FOLLOWING RESOURCES FOR THE CONTRACT:
 - TOWN OF DUXBURY, DUXBURY, VERMONT, VT100 ROAD CULVERT PROJECT PLANS.
- IF THERE IS ADDITIONAL INFORMATION PERTINENT TO THE FABRICATION AND INSTALLATION OF THESE UNITS THAT IS NOT CONTAINED WITHIN THE RESOURCES LISTED ABOVE IT SHALL BE BROUGHT TO THE ATTENTION OF MICHELLE CORPORATION. FAILURE TO MAKE SUCH ADDITIONAL INFORMATION AVAILABLE SHALL RELIEVE MICHELLE CORPORATION OF ALL LIABILITIES ARISING FROM ERRORS OR OMISSIONS RELATED TO THE OMITTED INFORMATION.
- ALL VOIDS SHALL BE FILLED WITH NON SHRINK GROUT.
- ALL PRODUCTS PROVIDED WITH A CAST FORM FINISH OR SMOOTH TROWEL FINISH.
- CURING: FORMS LEFT IN PLACE UNTIL 3,000 PSI STRIPPING STRENGTH IS ACHIEVED.

ARCH CULVERT NOTES:

- ARCH CULVERT SECTIONS ARE DESIGNED IN ACCORDANCE WITH THE FOLLOWING CRITERIA:
 - ARCH CULVERT DESIGN SHALL BE IN ACCORDANCE WITH AASHTO M 29.1 EDITION
 - STANDARD SPECIFICATION AND GENERAL SPECIAL PROVISIONS SECTION 540.
- THE FOLLOWING CRITERIA WERE USED FOR DESIGN:
 - RETAINED SOIL SOIL 1400T [PV] PRICE BY ANGLE [D66]
 - FOUNDATION SOIL SOIL 1400T [PV] PRICE BY ANGLE [D66]
 - LIVE LOAD SURCHARGE = 2'
 - ALLOWABLE BEARING RESISTANCE = 6,000 PSF
- ARCH CULVERT AND HEADWALL CONCRETE SHALL BE SELF-CONSOLIDATING CONFORMING TO SECTION 540 WITH A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 6,000 PSI. AGGREGATE SHALL CONFORM TO SECTION 540 WITH A MAXIMUM DIAMETER OF 3/4". CEMENT SHALL CONFORM TO ASTM C150. MICHELLE MIX 63550CAS
- REINFORCING SHALL BE GRADE 60, EPOXY COATED, CONFORMING TO ASTM A-774. ALL BARS SHALL BE BENT COLD.
- ALL EXPOSED EDGES EXCEPT WHERE NOTED SHALL BE CHAMFERED 3/4".
- SUBGRADE PREPARATION SHALL CONFORM TO PROJECT PLANS.
- UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS, BACKFILL SHALL CONFORM TO VTRANS SECTION 706.04 GRANULAR BACKFILL FOR STRUCTURES. BACKFILL SHALL EXTEND BEYOND THE HORIZONTAL LIMITS OF THE STRUCTURE AS DETAILED IN THE CONTRACT DOCUMENTS. PLACEMENT SHALL CONFORM TO VTRANS SECTION 204.08.
- EXPOSED SURFACES SHOULD BE COATED ON SITE WITH WATER REPELLENT, SILANE (SUPPLIED BY OTHERS).
- EACH SECTION SHALL BE PROVIDED WITH BOLT POCKETS FOR ATTACHMENT TO ADJACENT SECTIONS. 7/8" DIA. GALV. THREADED ROD, WASHERS AND NUTS SHALL BE PROVIDED FOR ASSEMBLY IN THE FIELD. CLOSED-CELL NEOPRENE JOINT SEALANT SHALL BE USED IN ALL JOINTS UNLESS NOTED OTHERWISE.
- 2FT WIDE ROYSTON JOINT WRAP WITH ADHESIVE PROVIDED BY MICHELLE CORP. INSTALLED BY OTHERS, CENTER ON JOINT AFTER HORIZONTAL GROUTING. BARRIER MEMBRANE PROVIDED AND INSTALLED BY OTHERS OVER TOP OF STRUCTURE, AND DOWN SIDES TO 6" BELOW HORIZONTAL JOINT.

WING WALL NOTES:

- SECTIONS ARE DESIGNED IN ACCORDANCE WITH THE FOLLOWING CRITERIA:
 - ARCH CULVERT DESIGN SHALL BE IN ACCORDANCE WITH AASHTO M 29.1 EDITION
 - STANDARD SPECIFICATION AND GENERAL SPECIAL PROVISIONS SECTION 540.
- THE FOLLOWING SOIL PROPERTIES WERE USED IN THE DESIGN:
 - RETAINED SOIL SOIL 1400T [PV] PRICE BY ANGLE [D66]
 - FOUNDATION SOIL SOIL 1400T [PV] PRICE BY ANGLE [D66]
 - LIVE LOAD SURCHARGE = 2'
 - ALLOWABLE BEARING RESISTANCE = 6,000 PSF
- CONCRETE SHALL BE SELF-CONSOLIDATING CONFORMING TO SECTION 540 WITH A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 6,000 PSI. AGGREGATE SHALL CONFORM TO SECTION 540 WITH A MAXIMUM DIAMETER OF 3/4". CEMENT SHALL CONFORM TO ASTM C150.
- REINFORCING SHALL BE GRADE 60, EPOXY COATED, CONFORMING TO ASTM A-774. ALL BARS SHALL BE BENT COLD.
- ALL EXPOSED EDGES EXCEPT WHERE NOTED SHALL BE CHAMFERED 3/4".
- UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS, BACKFILL SHALL CONFORM TO VTRANS SECTION 706.04 GRANULAR BACKFILL FOR STRUCTURES. BACKFILL SHALL EXTEND BEYOND THE HORIZONTAL LIMITS OF THE STRUCTURE AS DETAILED IN THE CONTRACT DOCUMENTS. PLACEMENT SHALL CONFORM TO VTRANS SECTION 204.08.

LIST OF SHEETS:

- S1.0 CULVERT LAYOUT-PLAN AND ELEVATION
- S2.0 CULVERT SECTION AND ELEVATION
- S3.0 ARCH CULVERT SECTION AND ELEVATION
- S4.0 HEAD WALL DETAILS
- S5.0 WINGWALL DETAILS
- S6.0 WINGWALL DETAILS
- S7.0 ANCHOR DETAILS
- S8.0 LIFTING DETAILS



PREPARED FOR:

VT 100 Road Culvert
Duxbury, Vermont

Project No. 7347 Date: 6/29/16
Designed by: DELTA Drawn by: CSC
Checked by: Scale: AS SHOWN

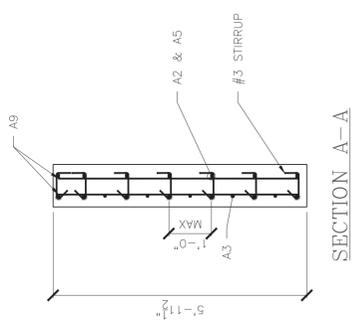
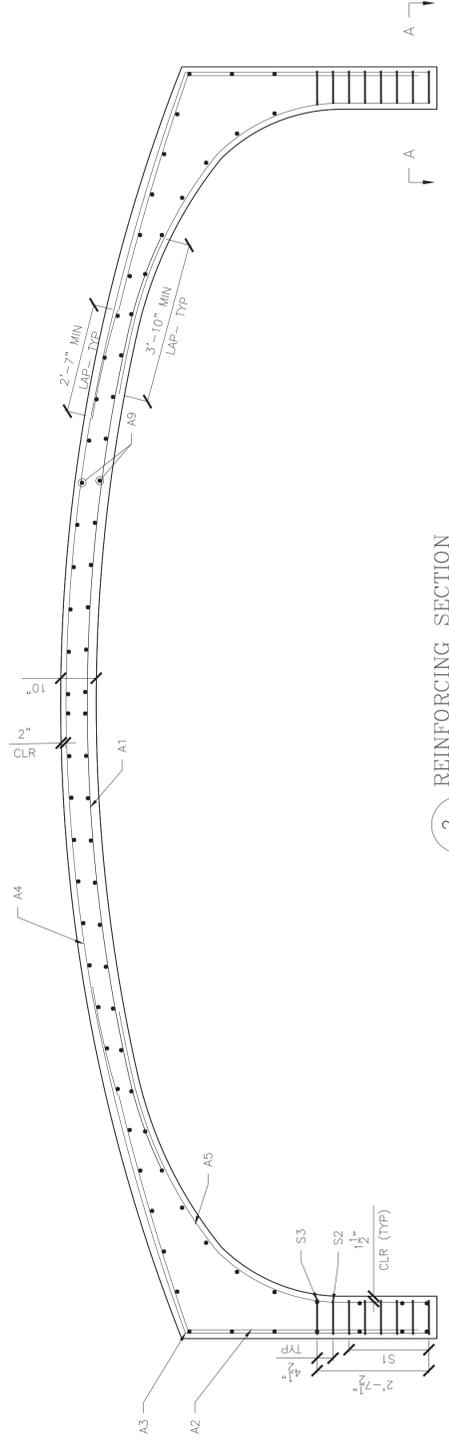


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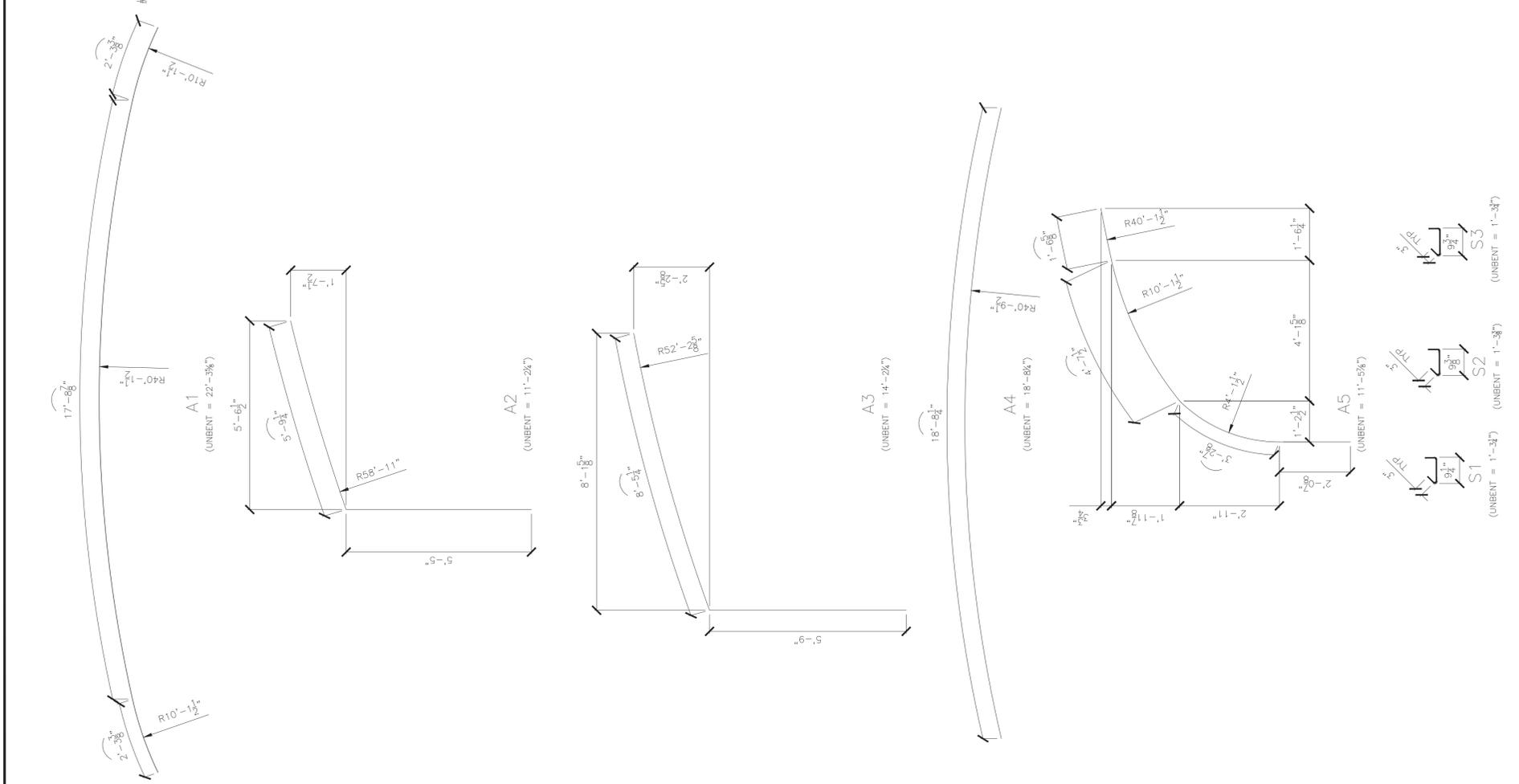
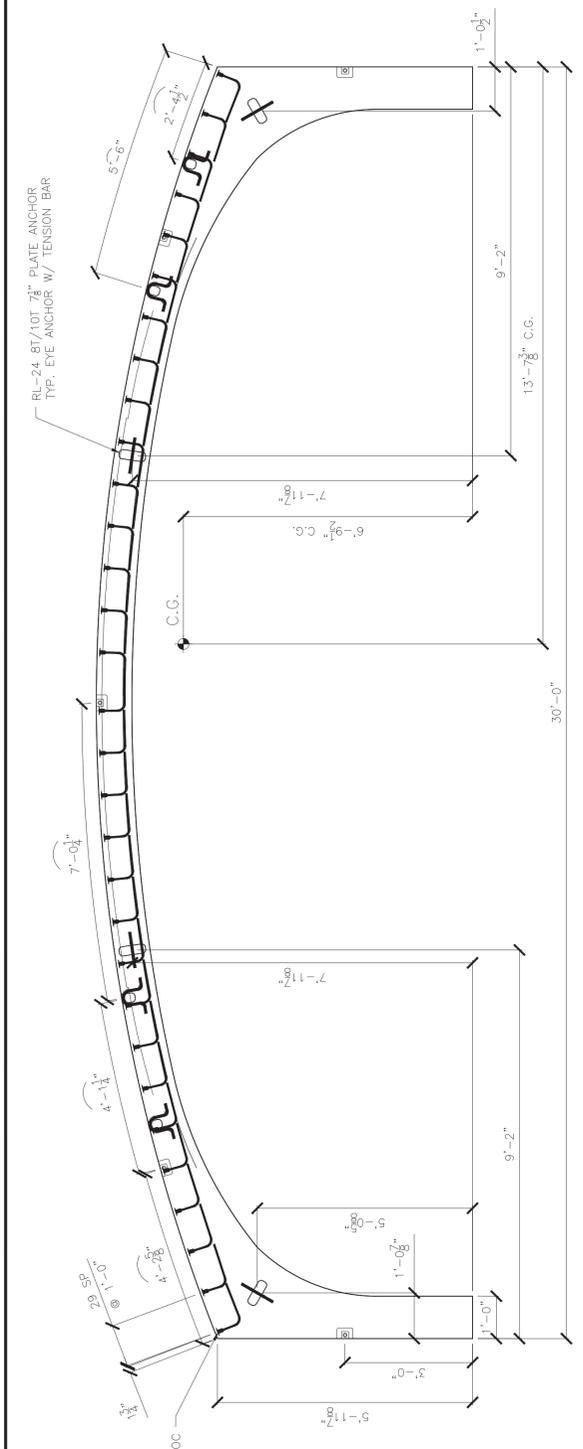
REINFORCING SCHEDULE

BAR MARK	TYPE	SIZE/SPACING	CUT LENGTH	# OF PCS
A1	RADIUS	#6@5"	22'-3 5/8"	15
A2	L	#5@5"	11'-2 1/4"	30
A3	L	#6@5"	14'-2 1/4"	30
A4	RADIUS	#4@10"	18'-8 1/2"	7
A5	L	#6@10"	11'-5 7/8"	7/LEG
A9	STRAIGHT	#4@12"	5'-7 1/2"	52
S1	STIRRUP	#3@4 1/2"	1'-3 1/4"	42/LEG
S2	STIRRUP	#3@4 1/2"	1'-3 3/8"	7/LEG
S3	STIRRUP	#3@4 1/2"	1'-3 3/4"	7/LEG

2 REINFORCING SECTION
S2.0 3/8" = 1'-0"



1 ELEVATION VIEW
S2.0 3/8" = 1'-0"



RL-24 BT/QT 3/4" PLATE ANCHOR
TYP. ETC ANCHOR W/ TENSION BAR

#5 DBR HOOK @ 12" OC

29 SP @ 1'-0"

4'-1 1/4"

7'-0 1/4"

5'-2"

9'-2"

13'-3 1/8" C.G.

1'-0 1/2"

30'-0"

6'-9 1/4" C.G.

7'-11 1/2"

7'-11 1/2"

4'-1 1/4"

7'-0 1/4"

5'-6"

2'-4 1/2"

1'-0 1/2"

1'-0"

3'-0"

5'-1 7/8"

1'-0"

9'-2"

17'-8 5/8"

2'-3 3/8"

R10'-1 1/2"

5'-6 1/2"

5'-9 1/4"

R58'-11"

1'-7 1/2"

5'-5"

R40'-1 1/2"

11'-24"

2'-7 1/2"

8'-1 1/8"

8'-5 1/4"

R52'-2 1/2"

2'-9 1/2"

5'-9"

18'-8 1/4"

14'-24"

4'-18"

1'-2 1/2"

2'-0 1/4"

1'-11 1/2"

2'-11"

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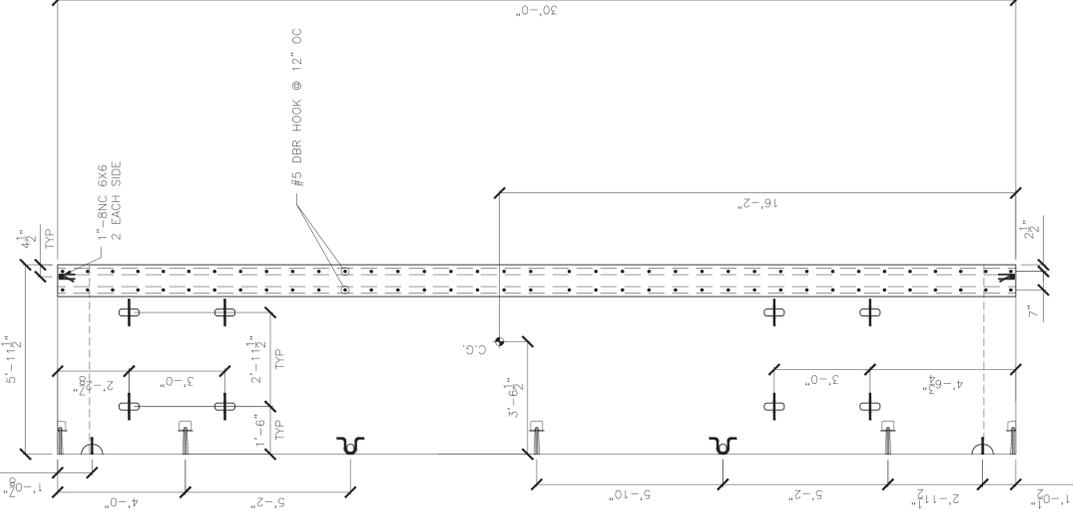
DESIGNED AND DETAILD BY:
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 860 HOOPER ROAD, ENDWELL, NY 13760-1564
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Checked by: _____
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 Project No. 7347
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PREPARED FOR:
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 MICHE CORPORATION, INC.
 173 BUXTON INDUSTRIAL DRIVE, PO BOX 870
 FERRISBURGH, NH 03242
 PHONE: 603-428-2318
 FAX: 603-428-7426

DWG. NO.
S3.0

VT 100 Road Culvert
 Duxbury, Vermont
 Culvert Plans And Elevations



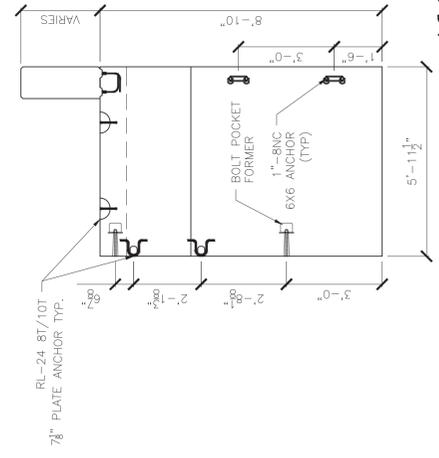
3 AC-3 PLAN VIEW
 S3.0 3/8" = 1'-0"



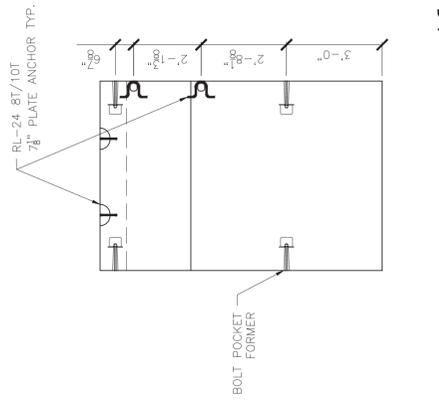
2 AC-2 PLAN VIEW
 S3.0 3/8" = 1'-0"



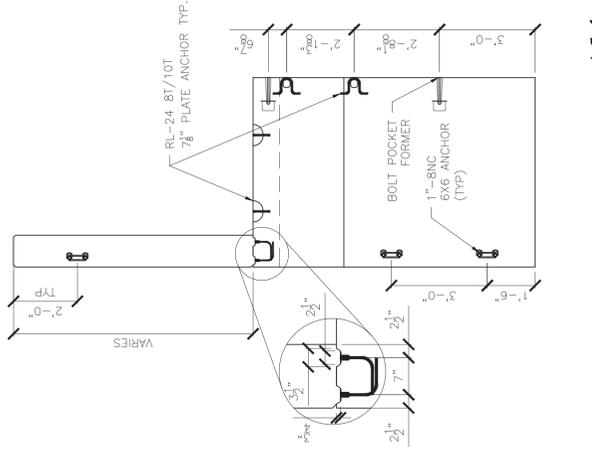
1 AC-1 PLAN VIEW
 S3.0 3/8" = 1'-0"



6 AC-3 ELEVATION VIEW
 S3.0 3/8" = 1'-0"
AC-3: 1 REQ'D
 UNIT WEIGHT AND VOLUME:
 CULVERT: 9.24 CY (37,422#)
 HEADWALL: 2.71 CY (11,016#)
 TOTAL WEIGHT: 48,438#



5 AC-2 ELEVATION VIEW
 S3.0 3/8" = 1'-0"
AC-2: 22 REQ'D
 UNIT WEIGHT AND VOLUME:
 CULVERT: 9.24 CY (37,422#)
 TOTAL WEIGHT: 37,422#



4 AC-1 ELEVATION VIEW
 S3.0 3/8" = 1'-0"
AC-1: 1 REQ'D
 UNIT WEIGHT AND VOLUME:
 CULVERT: 2.79 CY (11,300#)
 TOTAL WEIGHT: 48,722#

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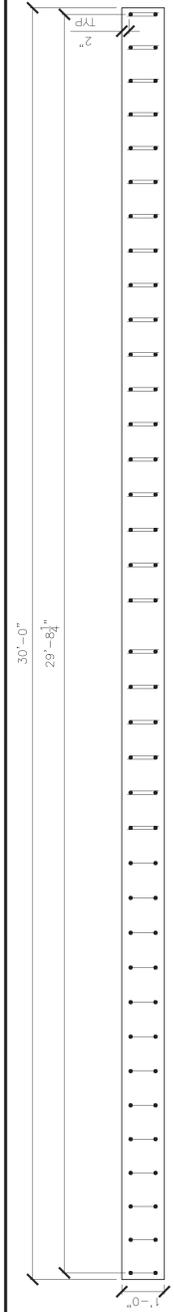
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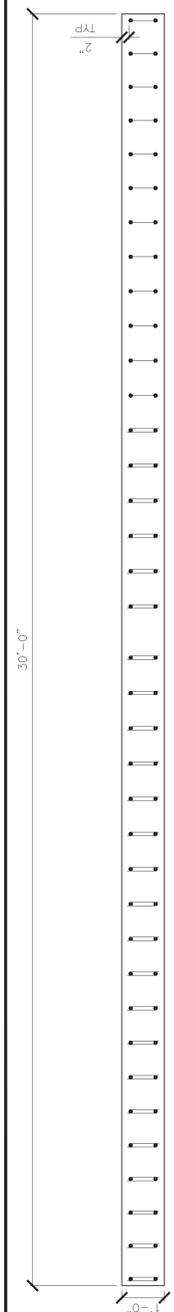
DWG NO.
S4.0

VT 100 Road Culvert
 Duxbury, Vermont
 Head Wall Details



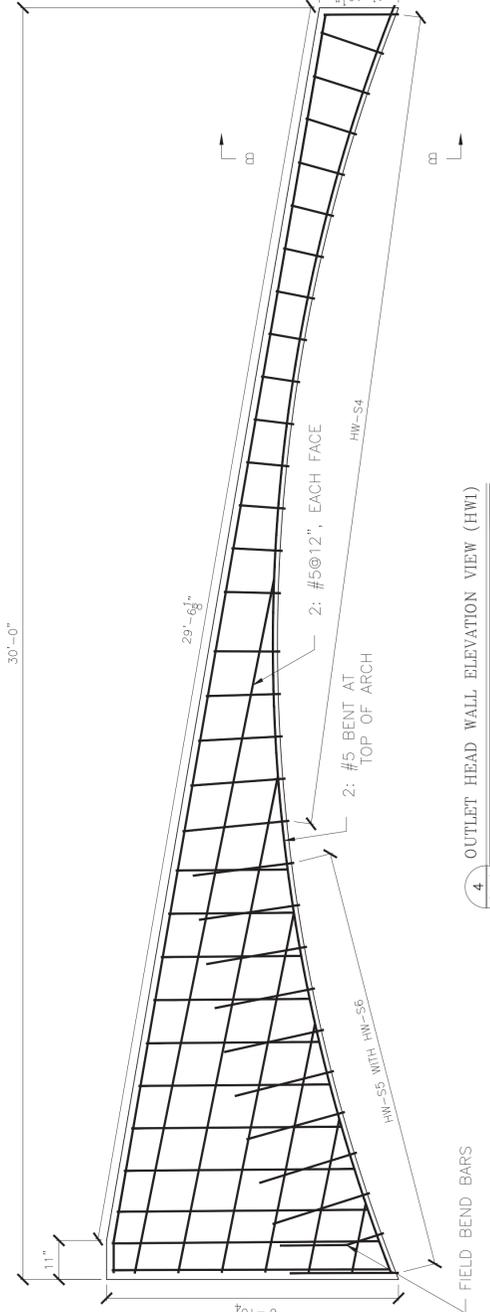
HW1 ONE REQUIRED
 EACH PIECE WEIGHS: 11,016 LB
 HEAD WALL: 2.72 CY

2 OUTLET HEAD WALL PLAN VIEW
 Scale: 1/8" = 1'-0"

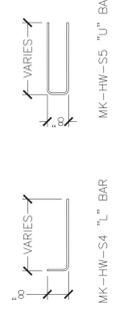


HW2 ONE REQUIRED
 EACH PIECE WEIGHS: 11,300 LB
 HEAD WALL: 2.79 CY

1 INLET HEAD WALL PLAN VIEW
 Scale: 1/8" = 1'-0"



4 OUTLET HEAD WALL ELEVATION VIEW (HW1)
 Scale: 1/8" = 1'-0"

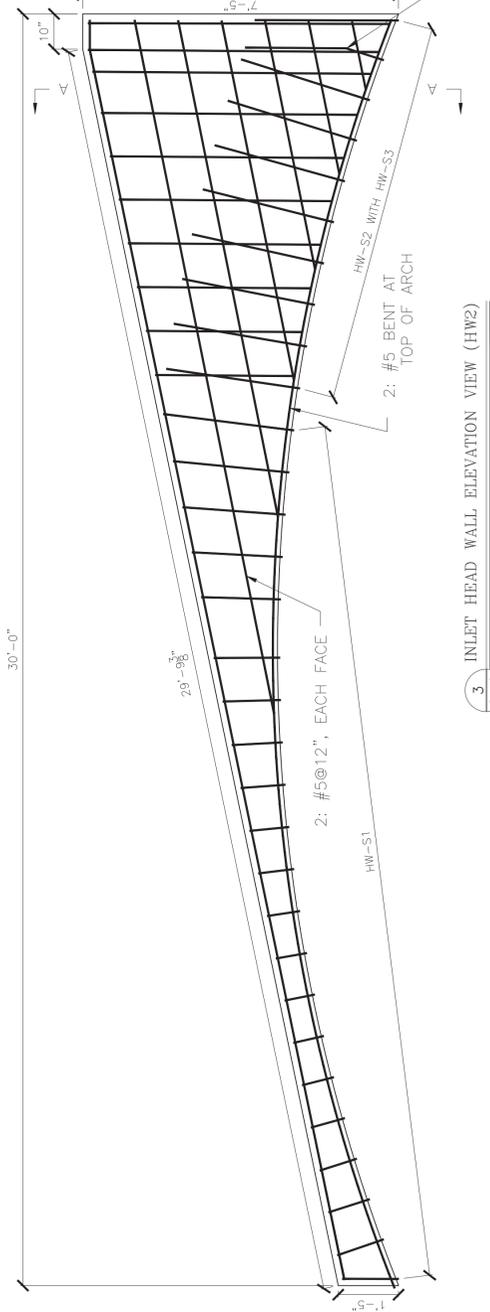


MK-HW-S4 "L" BAR
 MK-HW-S5 "U" BAR

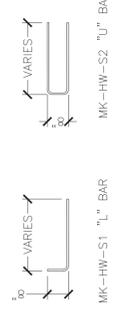
OUTLET HW1 REINFORCING SCHEDULE

BAR MARK	TYPE	SIZE/SPACING	CUT LENGTH	# OF PCS
MK-HW-S4	BENT	#5@10"	1'-6 1/2" TO 3'-0 1/2"	27
MK-HW-S5	BENT	#5@10"	5'-8 1/2" TO 13'-7 1/2"	11
MK-HW-S6	STRAIGHT DWL IN	#5	3'-2"	22

ALL REBAR TO BE EPOXY COATED



3 INLET HEAD WALL ELEVATION VIEW (HW2)
 Scale: 1/8" = 1'-0"

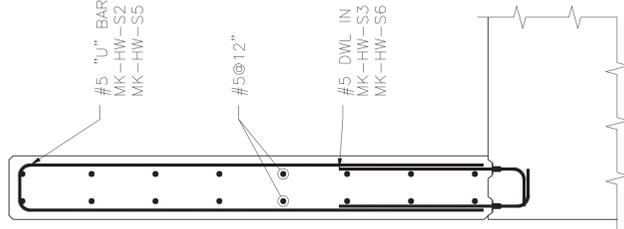


MK-HW-S1 "L" BAR
 MK-HW-S2 "U" BAR

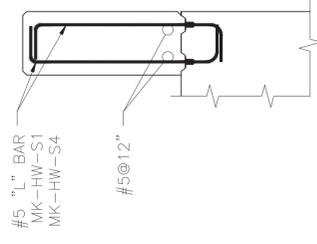
INLET HW2 REINFORCING SCHEDULE

BAR MARK	TYPE	SIZE/SPACING	CUT LENGTH	# OF PCS
MK-HW-S1	BENT	#5@10"	1'-4 1/2" TO 3'-7 1/2"	21
MK-HW-S2	BENT	#5@10"	6'-11 1/2" TO 14'-9 1/2"	10
MK-HW-S3	STRAIGHT DWL IN	#5	3'-2"	20

ALL REBAR TO BE EPOXY COATED



SECTION A-A



SECTION B-B

By	
Revision	
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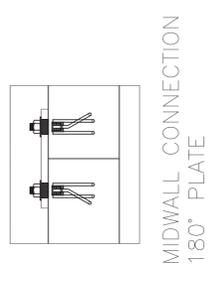
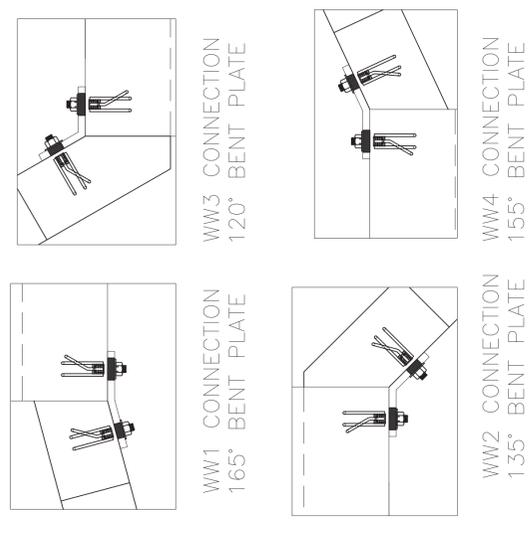


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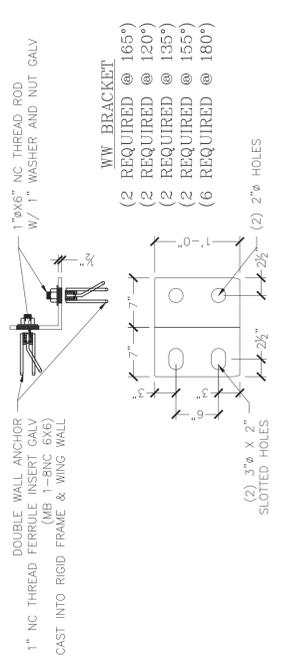
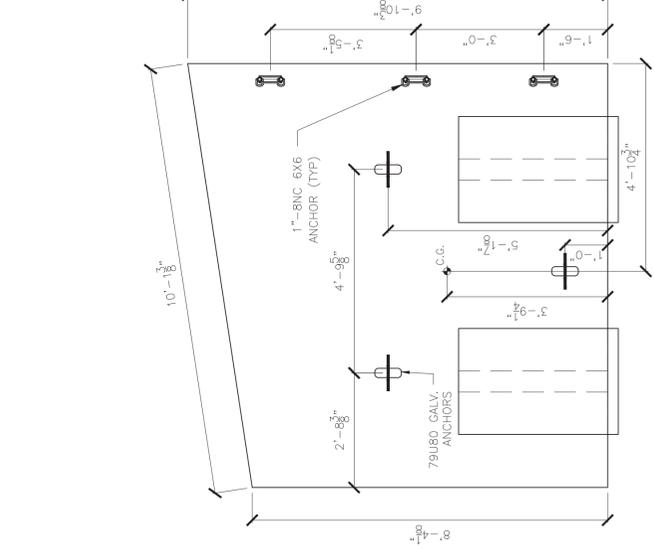
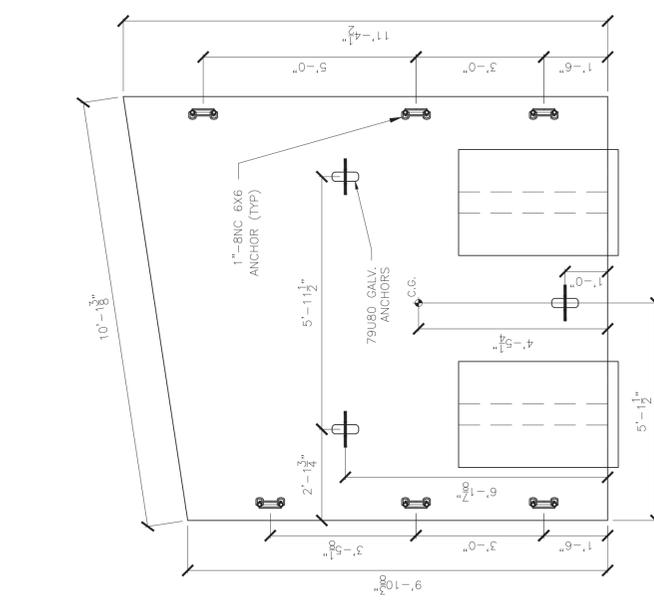
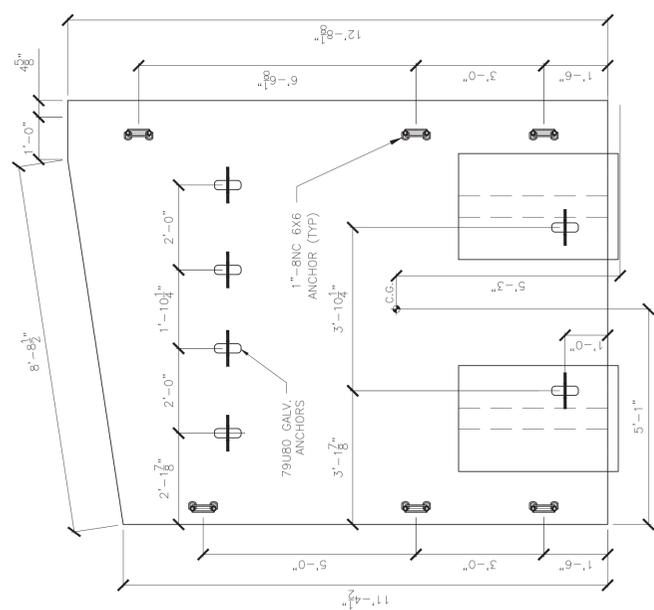
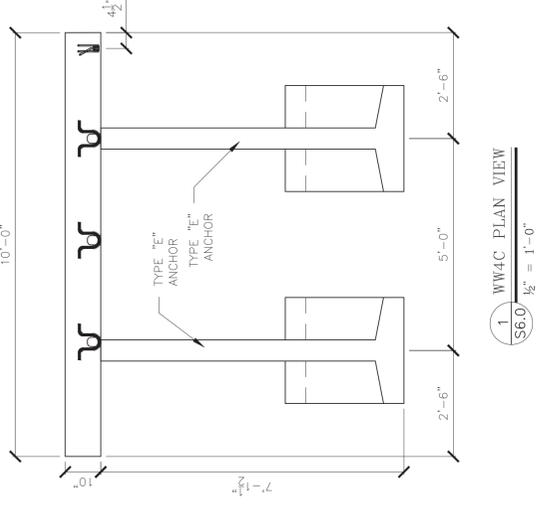
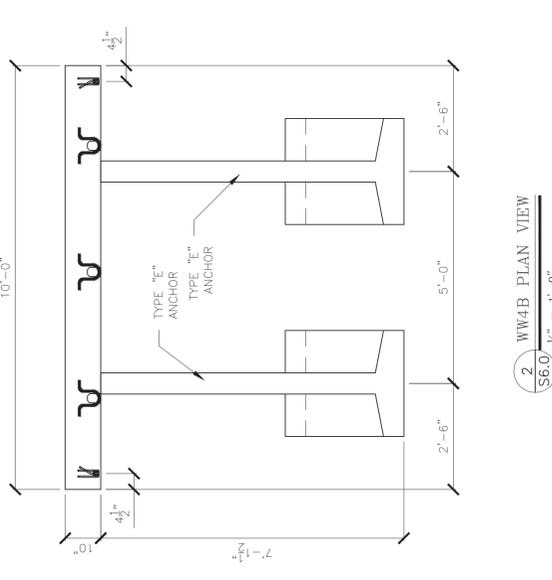
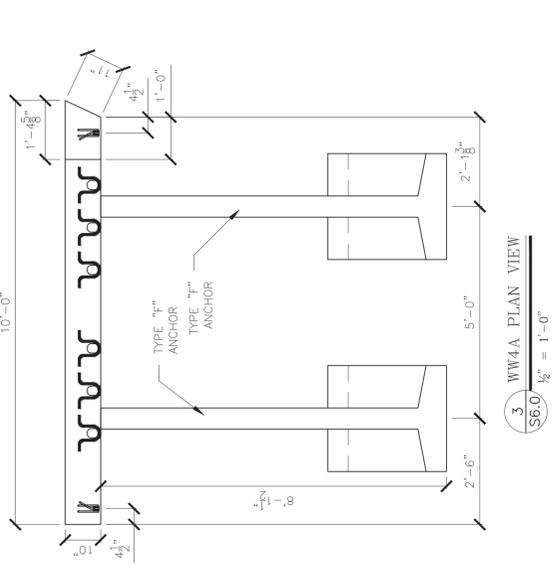
Wingwall Details
 Duxbury, Vermont
 Drawn by: CSC
 Checked by:
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DWG NO.
95
 S6.0



ALL CONNECTIONS USE 1" - 8NC 6X6 DOUBLE WINGWALL ANCHORS WITH 1" BENT PLATES



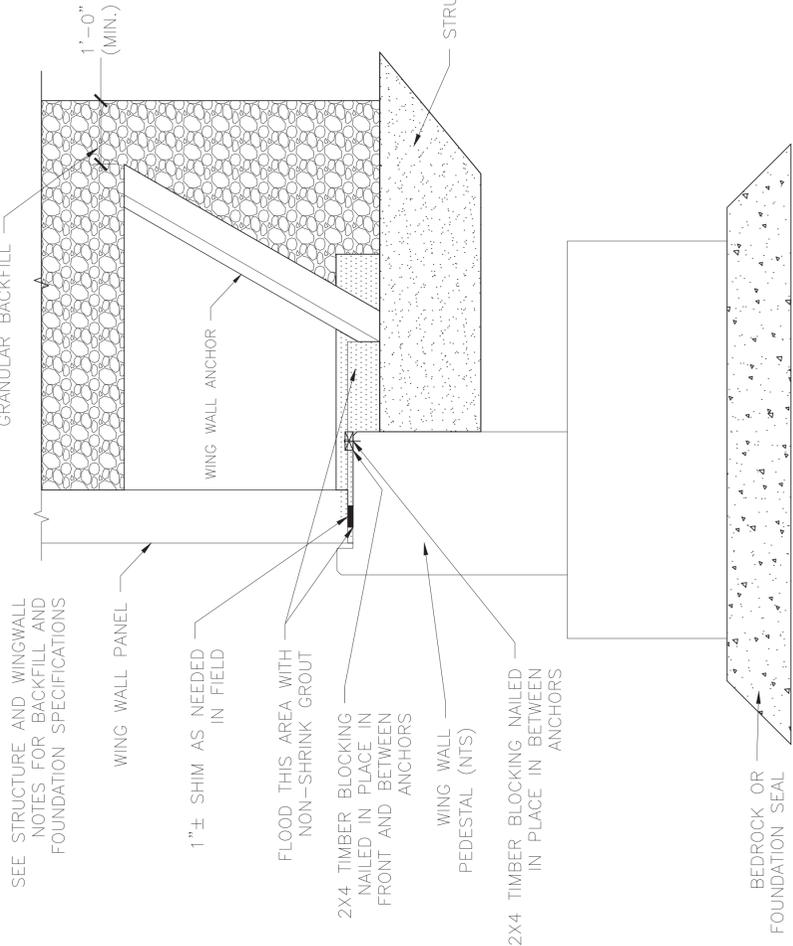
PLATES TO BE MADE OF 3/4" MILD STEEL, PLASMA CUT, AND BENT AS REQUIRED. (NOT DIPPED GALVANIZED AFTER BENDING)

3 WINGWALL BRACKET DETAIL
 S5.0 1" = 1'-0"

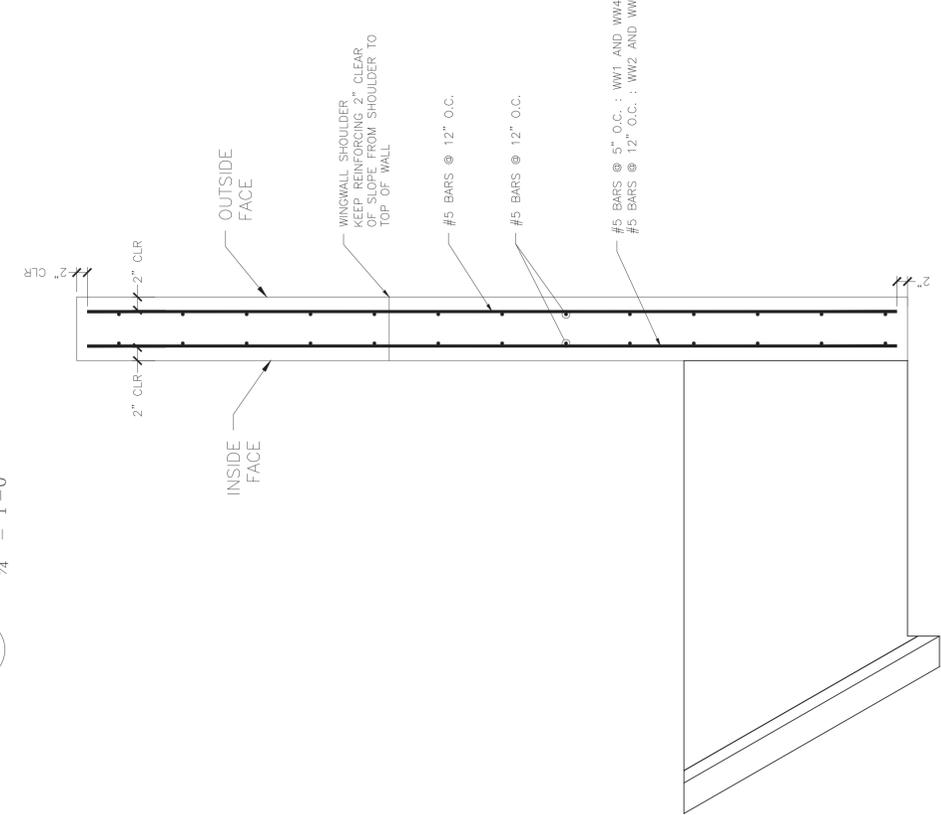
1 WW4A
 REQUIRED
 UNIT WEIGHT AND VOLUME:
 TOTAL: 20.655#
 WALL: 0.68 CY
 ANCHOR: 0.64 CY
 F ANCHOR: 0.71 CY

1 WW4B
 REQUIRED
 UNIT WEIGHT AND VOLUME:
 TOTAL: 18.262#
 WALL: 0.25 CY
 ANCHOR: 0.64 CY
 E ANCHOR: 0.64 CY

1 WW4C
 REQUIRED
 UNIT WEIGHT AND VOLUME:
 TOTAL: 16.429#
 WALL: 0.27 CY
 ANCHOR: 0.64 CY
 E ANCHOR: 0.64 CY



5 FOOTING TO WW ATTACHMENT DETAIL
 S7.0 3/4" = 1'-0"



1 WINGWALL REINFORCING (TYP)
 S7.0 3/4" = 1'-0"

NOTE: BAR COUNTS REPRESENT 1 UNIT.

WW1A REINFORCING SCHEDULE

BAR MARK	LOCATION	TYPE	SIZE/SPACING	CUT LENGTH	# OF PCS
VERTICAL	OSF	STRAIGHT	#5 @ 12"	12'-8" TO 10'-10"	9
VERTICAL	ISF	STRAIGHT	#5 @ 12"	12'-8" TO 10'-10"	12
HORIZONTAL	OSF	STRAIGHT	#5 @ 12"	8'-11"	13
HORIZONTAL	ISF	STRAIGHT	#5 @ 12"	8'-11"	13
DIAGONAL	FOLLOW SLOPE	STRAIGHT	#4	8'-10"	2

WW2A REINFORCING SCHEDULE

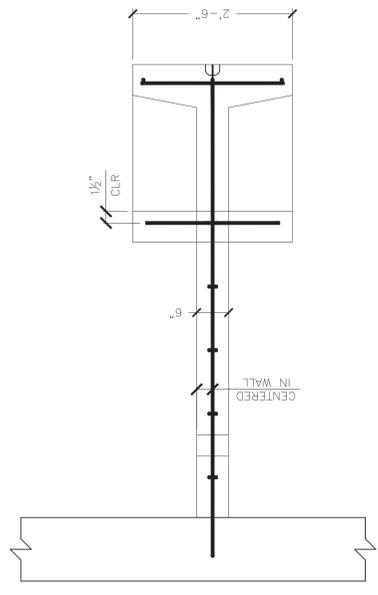
BAR MARK	LOCATION	TYPE	SIZE/SPACING	CUT LENGTH	# OF PCS
VERTICAL	OSF	STRAIGHT	#5 @ 12"	7'-1" TO 3'-4"	10
VERTICAL	ISF	STRAIGHT	#5 @ 12"	7'-1" TO 3'-4"	10
HORIZONTAL	OSF	STRAIGHT	#5 @ 12"	6'-9"	8
HORIZONTAL	ISF	STRAIGHT	#5 @ 12"	9'-4"	8
DIAGONAL	FOLLOW SLOPE	STRAIGHT	#4	6'-0"	2

WW4A REINFORCING SCHEDULE

BAR MARK	LOCATION	TYPE	SIZE/SPACING	CUT LENGTH	# OF PCS
VERTICAL	OSF	STRAIGHT	#5 @ 5"	12'-3" TO 10'-10"	10
VERTICAL	ISF	STRAIGHT	#5 @ 12"	12'-3" TO 10'-10"	10
HORIZONTAL	OSF	STRAIGHT	#5 @ 12"	9'-8"	10
HORIZONTAL	ISF	STRAIGHT	#5 @ 12"	9'-8"	12
DIAGONAL	FOLLOW SLOPE	STRAIGHT	#4	9'-4"	2

WW4C REINFORCING SCHEDULE

BAR MARK	LOCATION	TYPE	SIZE/SPACING	CUT LENGTH	# OF PCS
VERTICAL	OSF	STRAIGHT	#5 @ 12"	9'-4" TO 7'-11"	10
VERTICAL	ISF	STRAIGHT	#5 @ 12"	9'-4" TO 7'-11"	10
HORIZONTAL	OSF	STRAIGHT	#5 @ 12"	9'-8"	10
HORIZONTAL	ISF	STRAIGHT	#5 @ 12"	9'-8"	10
DIAGONAL	FOLLOW SLOPE	STRAIGHT	#4	9'-4"	2



1 REQ'D

WW1B REINFORCING SCHEDULE

BAR MARK	LOCATION	TYPE	SIZE/SPACING	CUT LENGTH	# OF PCS
VERTICAL	OSF	STRAIGHT	#5 @ 12"	10'-10" TO 8'-10"	10
VERTICAL	ISF	STRAIGHT	#5 @ 12"	10'-10" TO 8'-10"	23
HORIZONTAL	OSF	STRAIGHT	#5 @ 12"	9'-2"	11
HORIZONTAL	ISF	STRAIGHT	#5 @ 12"	9'-2"	11
DIAGONAL	FOLLOW SLOPE	STRAIGHT	#4	9'-4"	2

WW3A REINFORCING SCHEDULE

BAR MARK	LOCATION	TYPE	SIZE/SPACING	CUT LENGTH	# OF PCS
VERTICAL	OSF	STRAIGHT	#5 @ 12"	5'-8" TO 3'-7"	8
VERTICAL	ISF	STRAIGHT	#5 @ 12"	5'-8" TO 3'-7"	7
HORIZONTAL	OSF	STRAIGHT	#5 @ 12"	6'-7"	6
HORIZONTAL	ISF	STRAIGHT	#5 @ 12"	9'-2"	6
DIAGONAL	FOLLOW SLOPE	STRAIGHT	#4	9'-4"	2

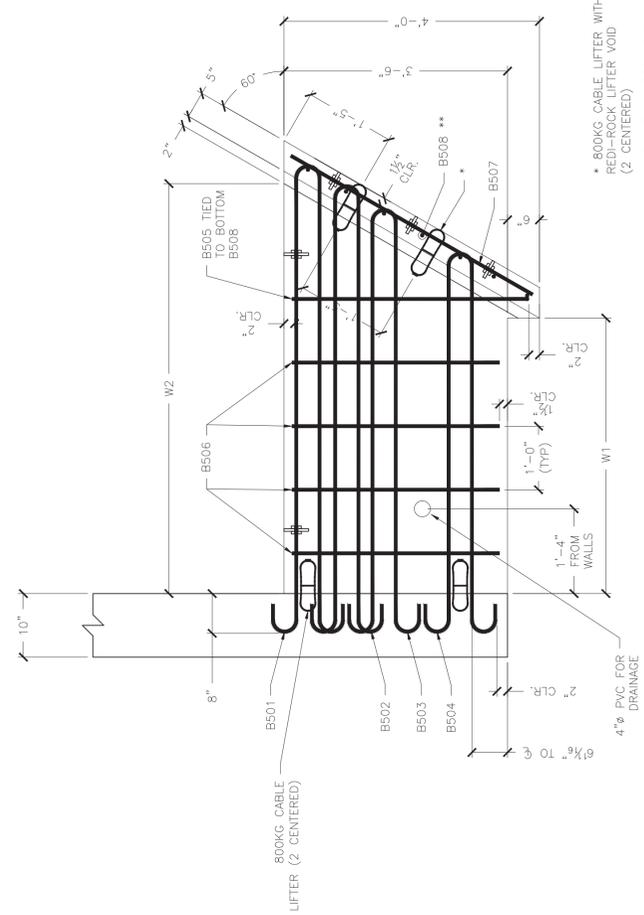
WW4B REINFORCING SCHEDULE

BAR MARK	LOCATION	TYPE	SIZE/SPACING	CUT LENGTH	# OF PCS
VERTICAL	OSF	STRAIGHT	#5 @ 5"	10'-10" TO 9'-4"	10
VERTICAL	ISF	STRAIGHT	#5 @ 12"	10'-10" TO 9'-4"	10
HORIZONTAL	OSF	STRAIGHT	#5 @ 12"	9'-8"	12
HORIZONTAL	ISF	STRAIGHT	#5 @ 12"	9'-8"	12
DIAGONAL	FOLLOW SLOPE	STRAIGHT	#4	9'-4"	2

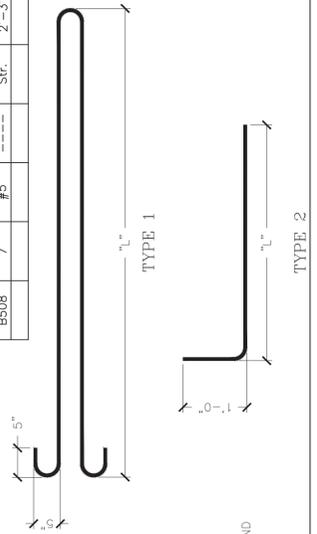
5 REQ'D

6 REQ'D

2 REQ'D



2 ANCHOR DETAIL
 S7.0 3/4" = 1'-0"



CONCRETE QUANTITY

W1	2010 LB
W2	2'-4"
W2	4'-5 3/8"

ANCHOR TYPE "C"

MARK	QTY	SIZE	L	TYPE	LENGTH
B501	1	#5	5'-4 1/2"	1	12'-1 1/2"
B502	1	#5	5'-0 1/2"	1	11'-5"
B503	1	#5	4'-8 1/2"	1	10'-9"
B504	1	#5	4'-0"	1	9'-4 1/2"
B505	2	#5	3'-8 1/2"	2	4'-7"
B506	4	#5	-----	Str.	3'-3"
B507	4	#5	-----	Str.	4'-4 1/2"
B508	7	#5	-----	Str.	2'-3"

CONCRETE QUANTITY

W1	2020 LB
W2	3'-4"
W2	5'-5 3/8"

ANCHOR TYPE "D"

MARK	QTY	SIZE	L	TYPE	LENGTH
B501	1	#5	5'-4 1/2"	1	14'-1 1/2"
B502	1	#5	6'-0 1/2"	1	13'-5"
B503	1	#5	5'-8 1/2"	1	12'-9"
B504	1	#5	5'-0"	1	11'-4 1/2"
B505	2	#5	3'-8 1/2"	2	4'-7"
B506	6	#5	-----	Str.	3'-3"
B507	4	#5	-----	Str.	4'-4 1/2"
B508	7	#5	-----	Str.	2'-3"

CONCRETE QUANTITY

W1	2550 LB
W2	4'-4"
W2	6'-5 3/8"

ANCHOR TYPE "E"

MARK	QTY	SIZE	L	TYPE	LENGTH
B501	1	#7	7'-4 1/2"	1	16'-1 1/2"
B502	1	#7	7'-0 1/2"	1	15'-5"
B503	1	#7	6'-8 1/2"	1	14'-9"
B504	1	#5	6'-0"	1	13'-4 1/2"
B505	2	#5	3'-8 1/2"	2	4'-8 1/2"
B506	8	#5	-----	Str.	3'-3"
B507	4	#5	-----	Str.	4'-4 1/2"
B508	7	#5	-----	Str.	2'-3"

CONCRETE QUANTITY

W1	0.61 CY
W2	2860 LB
W2	5'-4"
W2	7'-5 3/8"

ANCHOR TYPE "F"

MARK	QTY	SIZE	L	TYPE	LENGTH
B501	1	#7	7'-4 1/2"	1	18'-1 1/2"
B502	1	#7	8'-0 1/2"	1	17'-5"
B503	1	#7	7'-8 1/2"	1	16'-9"
B504	1	#7	7'-0"	1	15'-4 1/2"
B505	2	#5	3'-8 1/2"	2	4'-8 1/2"
B506	10	#5	-----	Str.	3'-3"
B507	4	#5	-----	Str.	4'-4 1/2"
B508	7	#5	-----	Str.	2'-3"

CONCRETE QUANTITY

W1	0.48 CY
W2	2010 LB
W2	3'-4"
W2	5'-5 3/8"

ANCHOR TYPE "G"

MARK	QTY	SIZE	L	TYPE	LENGTH
B501	1	#5	5'-4 1/2"	1	12'-1 1/2"
B502	1	#5	5'-0 1/2"	1	11'-5"
B503	1	#5	4'-8 1/2"	1	10'-9"
B504	1	#5	4'-0"	1	9'-4 1/2"
B505	2	#5	3'-8 1/2"	2	4'-7"
B506	4	#5	-----	Str.	3'-3"
B507	4	#5	-----	Str.	4'-4 1/2"
B508	7	#5	-----	Str.	2'-3"

CONCRETE QUANTITY

W1	0.61 CY
W2	2550 LB
W2	4'-4"
W2	6'-5 3/8"

ANCHOR TYPE "H"

MARK	QTY	SIZE	L	TYPE	LENGTH
B501	1	#7	7'-4 1/2"	1	16'-1 1/2"
B502	1	#7	7'-0 1/2"	1	15'-5"
B503	1	#7	6'-8 1/2"	1	14'-9"
B504	1	#5	6'-0"	1	13'-4 1/2"
B505	2	#5	3'-8 1/2"	2	4'-8 1/2"
B506	8	#5	-----	Str.	3'-3"
B507	4	#5	-----	Str.	4'-4 1/2"
B508	7	#5	-----	Str.	2'-3"

CONCRETE QUANTITY

W1	0.68 CY
W2	2860 LB
W2	5'-4"
W2	7'-5 3/8"

ANCHOR TYPE "I"

MARK	QTY	SIZE	L	TYPE	LENGTH
B501	1	#7	8'-4 1/2"	1	18'-1 1/2"
B502	1	#7	8'-0 1/2"	1	17'-5"
B503	1	#7	7'-8 1/2"	1	16'-9"
B504	1	#7	7'-0"	1	15'-4 1/2"
B505	2	#5	3'-8 1/2"	2	4'-8 1/2"
B506	10	#5	-----	Str.	3'-3"
B507	4	#5	-----	Str.	4'-4 1/2"
B508	7	#5	-----	Str.	2'-3"

DESIGNED AND DETAILED BY:
DELTA
 ENGINEERS, ARCHITECTS, & LAND SURVEYORS
 860 HOOPER ROAD, ENDWELL, NY 13760-1564
 TEL: (607) 231-6600 FAX: (607) 231-6650

DATE: 6/29/16
 PROJECT NO. 7347
 PREPARED FOR:
MICHE
 MICHE CORPORATION, INC.
 173 BUXTON INDUSTRIAL DRIVE, PO BOX 870
 FARMINGTON, NH 03824
 PHONE: 603-428-2328
 FAX: 603-428-7426

SCALE: AS SHOWN
 CHECKED BY:
 DRAWN BY: CSC
 DESIGNED BY: DELTA

VT 100 Road Culvert
 Duxbury, Vermont
 Anchor Details

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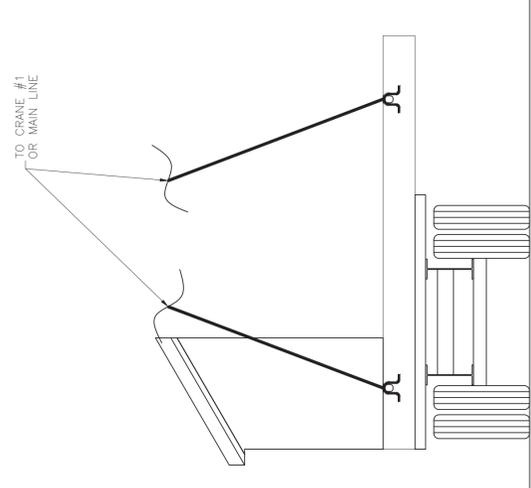
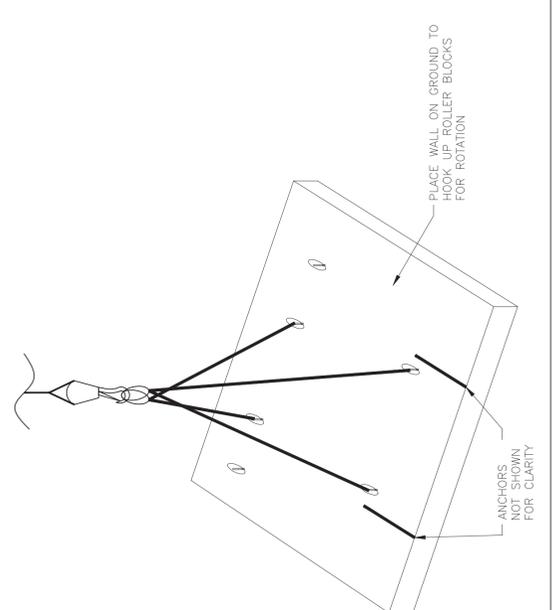
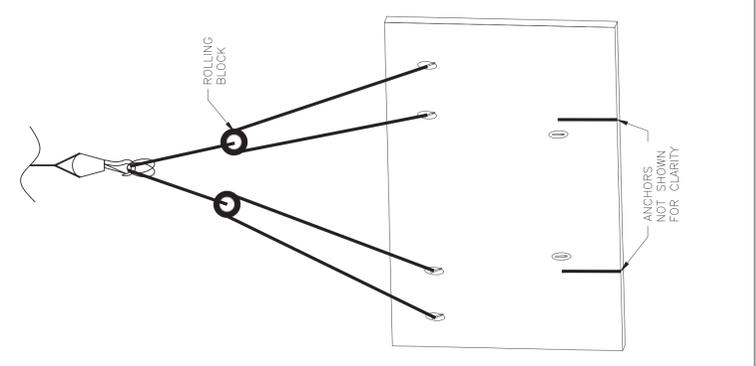
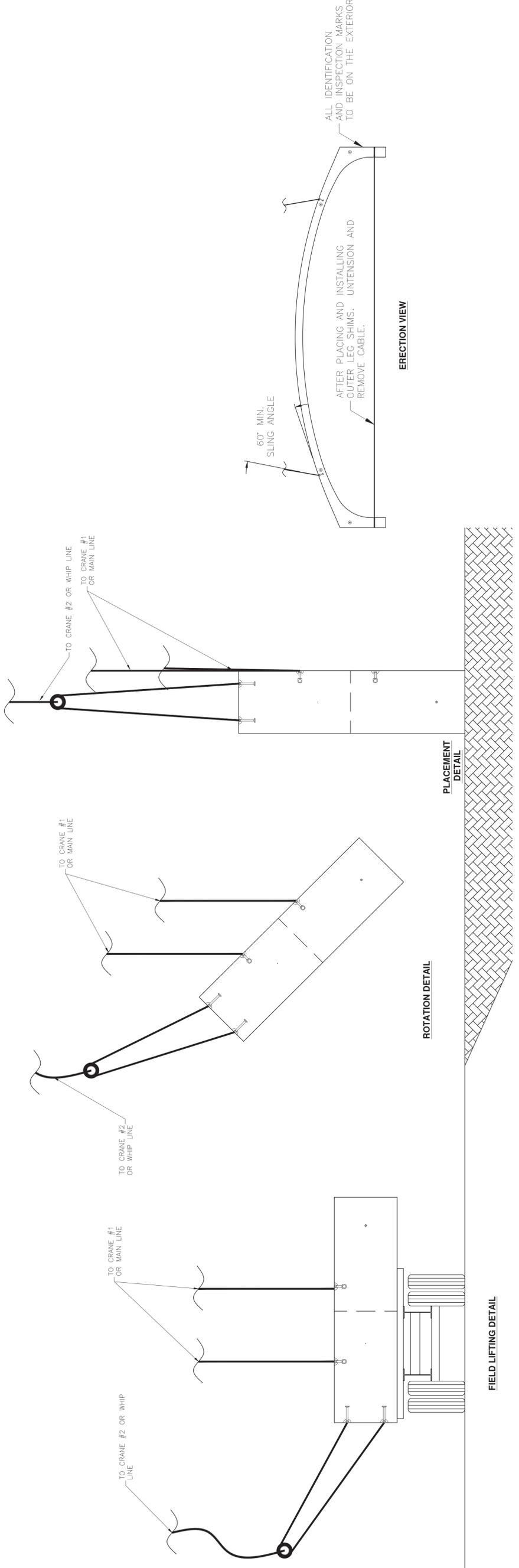
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VT 100 Road Culvert
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 Anchor Details

DATE: 6/29/16

No.	Date	Revision	By

VT 100 Road Culvert
 Duxbury, Vermont
 Lifting Details



PLACEMENT DETAIL

ROTATION DETAIL

FIELD LIFTING DETAIL