

PROJECT NAME:

PROJECT LOCATION:

AGENCY/MUNICIPALITY:

PROJECT JOB NO:

PREPARED FOR:

ENGINEER:

ENGINEER PROJ. NO:

JOB SPECIFICATIONS:

DRAWINGS:

OTHER INFORMATION:

PREPARED BY:

CSI JOB NO:

WHITE TAIL CROSSING BRIDGE
I-395/ROUTE 9 CONNECTOR
BREWER – EDDINGTON, ME
MEDOT
WIN 018915.50
STATE OF MAINE
MEDOT
N/A
SPECIAL PROVISION SECTION 534
PRECAST STRUCTURAL CONCRETE
WHITE TAIL CROSSING BRIDGE
SHEET 4 OF 7
N/A
CONCRETE SYSTEMS INC.
C24548

DRAWING INDEX			
SHEET NO:	DESCRIPTION	REVISION NO.	REV. DATE
1	TITLE SHEET	1	09/17/2021
2	BOX CULVERT LAYOUT PLAN & SIDE ELEVATIONS	1	09/17/2021
3	CULVERT END ELEVATION & TYPICAL END SECTION	1	09/17/2021
4	CULVERT TYPICAL DETAILS	0	08/18/2021
5	INDIVIDUAL PIECE SHOP DRAWING C1	1	09/17/2021
6	INDIVIDUAL PIECE SHOP DRAWING C2	1	09/17/2021
7	INDIVIDUAL PIECE SHOP DRAWING C3	1	09/17/2021
8	INDIVIDUAL PIECE SHOP DRAWING C4	1	09/17/2021

DRAWING INDEX			
SHEET NO:	DESCRIPTION	REVISION NO.	REV. DATE
9	INDIVIDUAL PIECE SHOP DRAWING C5	1	09/17/2021
10	INDIVIDUAL PIECE SHOP DRAWING C6	1	09/17/2021
11	INDIVIDUAL PIECE SHOP DRAWING C7	1	09/17/2021
12	INDIVIDUAL PIECE SHOP DRAWING C8	1	09/17/2021
13	INDIVIDUAL PIECE SHOP DRAWING C9	1	09/17/2021
14	INDIVIDUAL PIECE SHOP DRAWING C10	1	09/17/2021
15	INDIVIDUAL PIECE SHOP DRAWING C11	1	09/17/2021
16	INDIVIDUAL PIECE SHOP DRAWING C12	1	09/17/2021

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CONCRETE SYSTEMS, INC.

9 Commercial Street, Hudson, New Hampshire 03051
(800) 342-3374 (603) 889-4163
FAX (603) 889-0039 www.csigroup.com

Stamp for structural
design of precast only

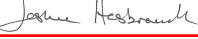
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

☒ REVIEWED
☐ REJECTED

☐ REVIEWED WITH COMMENTS
☐ REVISE AND RESUBMIT

Sep 22, 2021

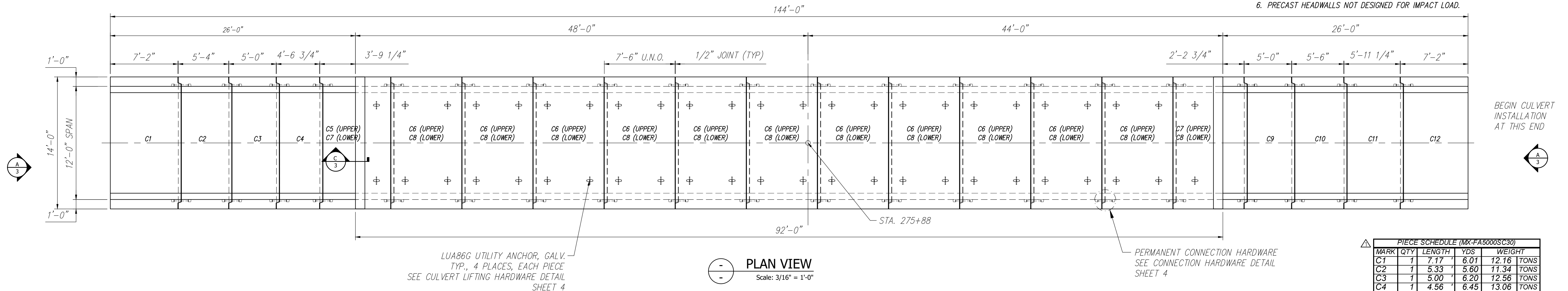
THIS DOCUMENT WAS REVIEWED IN ACCORDANCE WITH STATE OF MAINE SPECIFICATION SECTION 105.7 WORKING DRAWINGS

Transportation Engineer II

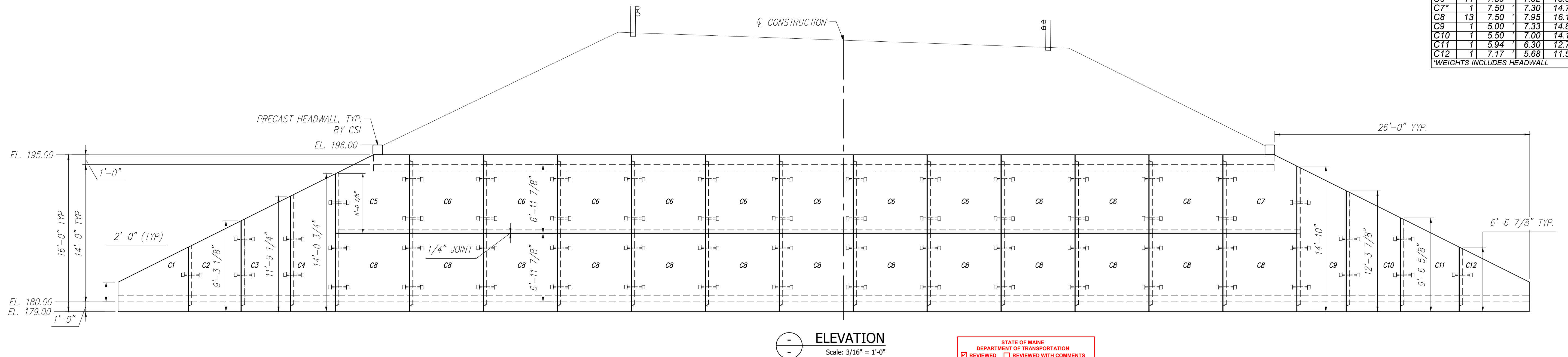
NAMETITLE

CULVERT GENERAL NOTES:

1. REFERENCE STANDARDS:
AASHTO "LRFD BRIDGE DESIGN SPECIFICATIONS"
ASTM C1577
2. DESIGN PARAMETERS:
LIVE LOAD: HI-93 MAINE MODIFIED
CONSTRUCTION LOAD HS20 WITH 18" EARTH COVER
EARTH COVER: 10.5' TO 12.5'±
CONCRETE: DESIGN STRENGTH F'C = 5000 PSI
UNIT WEIGHT = 150 PCF
3 GAL/CY CORROSION INHIBITOR
REINFORCING: ASTM A615 (REBAR), GRADE 60, BLACK
SOIL: UNIT WEIGHT = 120 PCF
MINIMUM LATERAL PRESSURE = 30 PCF
MAXIMUM LATERAL PRESSURE = 60 PCF
COVER TO REINFORCING: 2" OUTSIDE
1 1/2" INSIDE
3. DIMENSIONS INCLUDE A 1/2" JOINT CREEP. OVERALL CULVERT LENGTH WILL VARY SLIGHTLY DEPENDING ON INSTALLATION.
4. CONCRETE SEALER SUPPLIED & APPLIED BY CSI. CONCRETE SEALER APPLIED ON TOP AND SIDES OF STRUCTURE TO BE CERTI-VEX PENSEAL 244-100%.
5. DBS ARE DOWEL BAR SPICERS AND DI ARE DOWEL INS. DBS ARE SUPPLIED BY CSI AND DI SUPPLIED BY OTHERS.
6. PRECAST HEADWALLS NOT DESIGNED FOR IMPACT LOAD.



PIECE SCHEDULE (MX-FA5000SC30)						
MARK	QTY	LENGTH	YDS	WEIGHT		
C1	1	7.17	6.01	12.16	TONS	
C2	1	5.33	5.60	11.34	TONS	
C3	1	5.00	6.20	12.56	TONS	
C4	1	4.56	6.45	13.06	TONS	
C5*	1	7.50	6.32	12.80	TONS	
C6	11	7.50	7.82	15.84	TONS	
C7	1	7.50	7.30	14.78	TONS	
C8	13	7.50	7.95	16.10	TONS	
C9	1	5.00	7.33	14.84	TONS	
C10	1	5.50	7.00	14.18	TONS	
C11	1	5.94	6.30	12.76	TONS	
C12	1	7.17	5.68	11.50	TONS	



STATE OF MAINE DEPARTMENT OF TRANSPORTATION	
<input checked="" type="checkbox"/> REVIEWED	<input type="checkbox"/> REVIEWED WITH COMMENTS
<input type="checkbox"/> REJECTED	<input type="checkbox"/> REVISE AND RESUBMIT

Sep 22, 2021

THIS DOCUMENT WAS REVIEWED IN ACCORDANCE WITH STATE
OF MAINE SPECIFICATION SECTION 105.7 WORKING DRAWINGS

Joseph H. Henshaw Transportation Engineer I

NAME	TITLE
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<p>Contractor is to verify that all information shown on drawings has been thoroughly checked, complies with the contract documents and is adequate to meet the field conditions. Some dimensions and details may differ slightly from contract drawings to accommodate the manufacturing or design process. Approval of this drawing indicates that any deviation from the contract documents has been reviewed and found to be acceptable. Production will not commence until receipt of signed, approved shop drawings.</p> <p>This drawing contains information proprietary to CONCRETE SYSTEMS, INC. This drawing is disclosed with the understanding that it will be retained in confidence and its use limited solely to the purpose for which it is disclosed. It is understood that no reproduction of this drawing is authorized without permission from CONCRETE SYSTEMS, INC. and that it will be returned to CONCRETE SYSTEMS, INC. upon request.</p>	10					
	9					
	8					
	7					
	6					
	5					
	4					
	3					
	2					
	1	09/14/2021	REVISED PEICE SCHEDULE & REMOVE TOE WALLS			YAA
	Rev.	Date	DESCRIPTION			By
			REVISIONS			

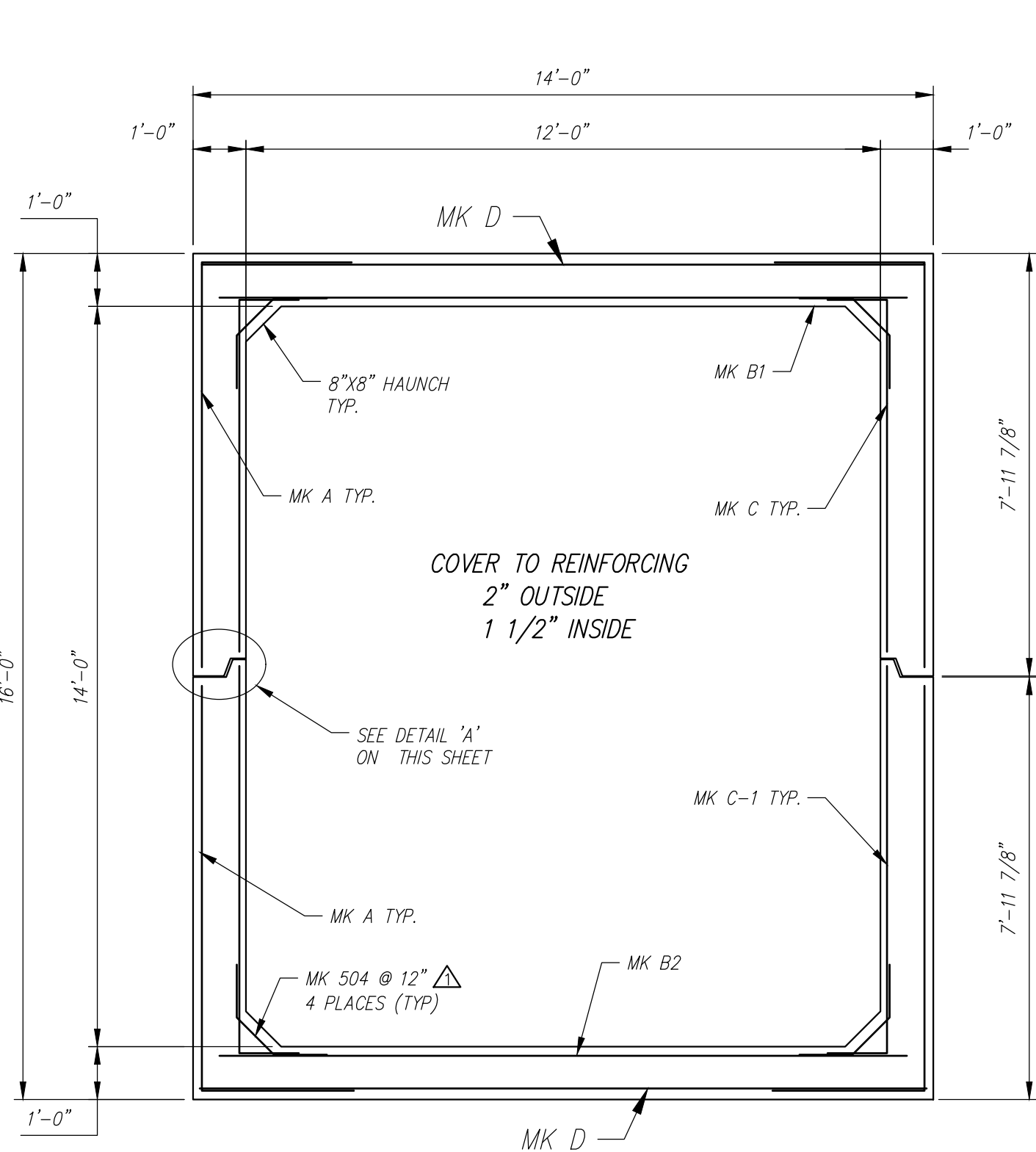
This drawing is based upon information provided from the following documents and/or sources

Engineer:	MEDOT
Project No:	N/A
Drawings:	WHITE TAIL CROSSING BRIDGE SHEET 4 OF 7
Specifications:	SPECIAL PROVISION SECTION 534 PRECAST STRUCTURAL CONCRETE
Other Sources:	N/A

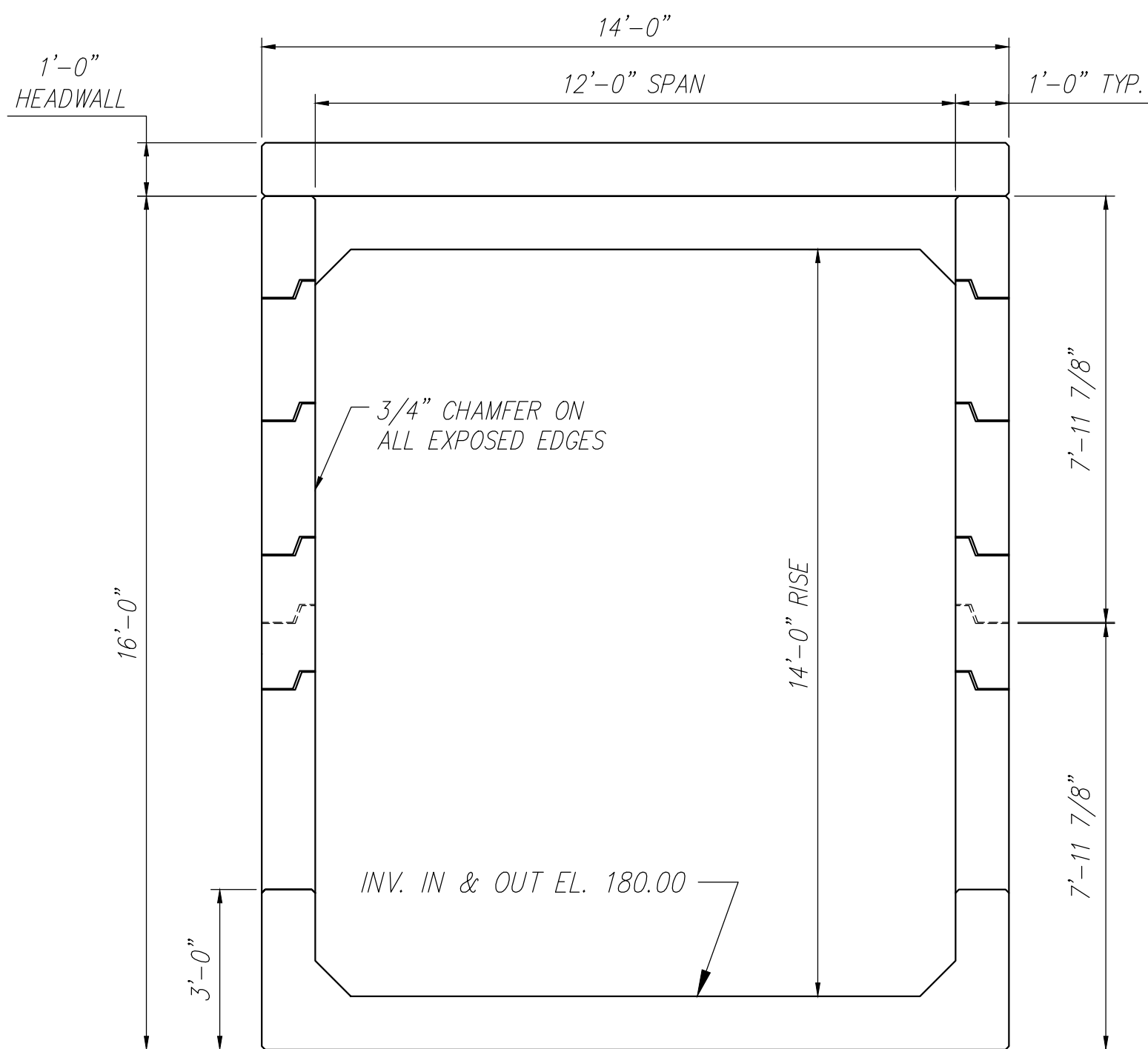
CSI
Concrete Systems Inc.
9 Commercial St., Hudson, NH, 03051
Phone 603-889-4163
Fax 603-889-2417

<u>STATE AGENCY</u>	
MEDOT	
Drawn By YAA	Date 05/21/2021
Reviewed By YAA	Date 08/18/2021
Approved By	Date

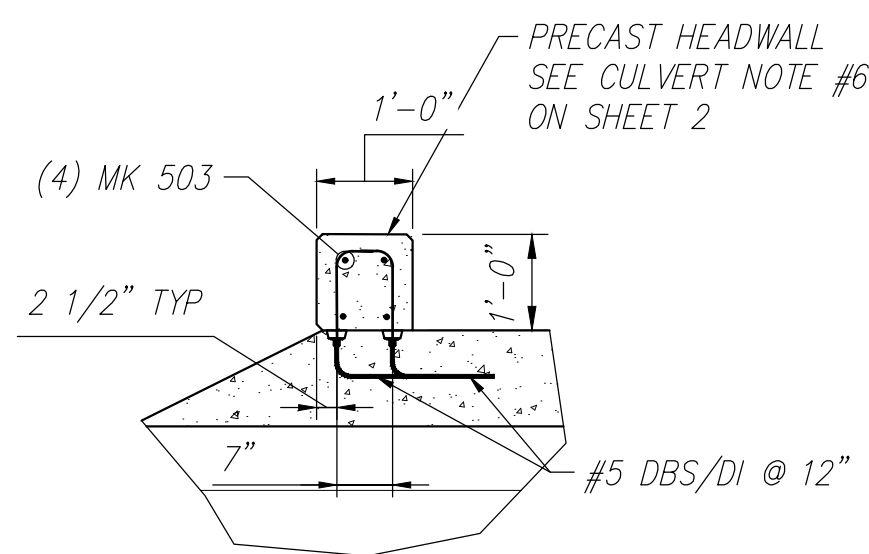
STATE OF MAINE WHITE TAIL CROSSING BRIDGE BREWER — EDDINGTON, ME			
D	CULVERT LAYOUT PLAN & SIDE ELEVATION		REV 1
	Drawing No. C24548-LO3		
Quantity: —	Project No: WIN 018915.50	SHEET 2	OF 16



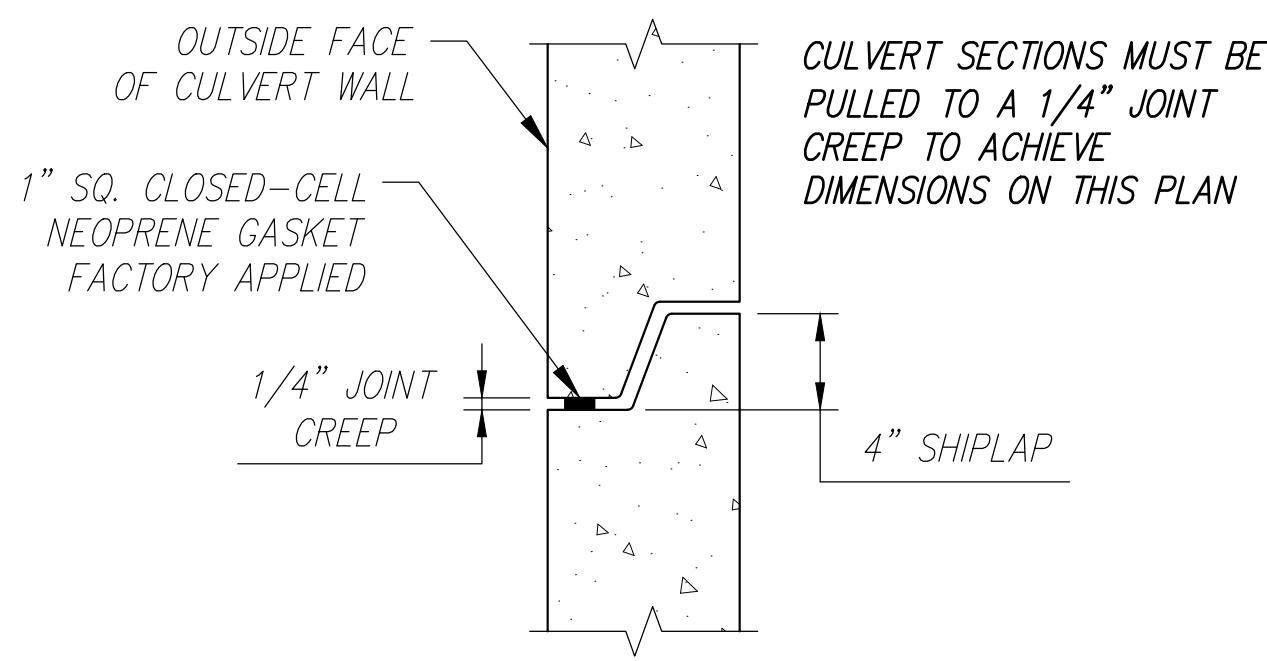
TYPICAL REINFORCING DETAIL
Scale: 3/8" = 1'-0"



**A
2** TYPICAL END ELEVATIONS
Scale: 3/8" = 1'-0"




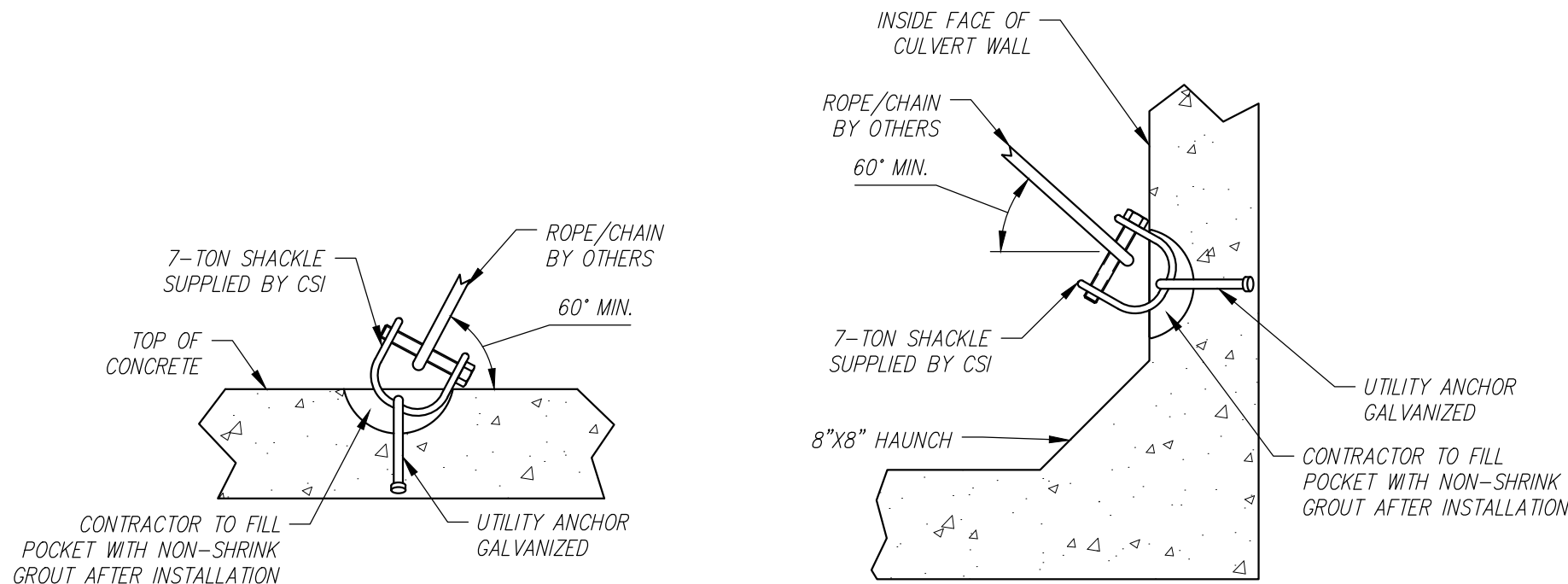
**C
2** TYPICAL END SECTION
Scale: 1/2" = 1'-0"



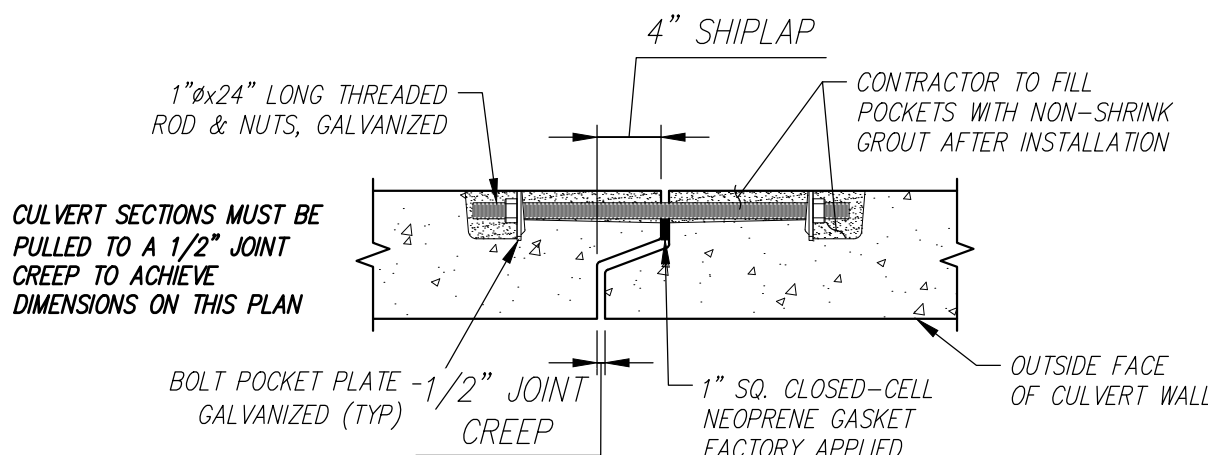
**A
-** SHIPLAP JOINT DETAIL
Scale: N.T.S.

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	
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<input type="checkbox"/> REJECTED	<input type="checkbox"/> REVISE AND RESUBMIT
Sep 22, 2021	
THIS DOCUMENT WAS REVIEWED IN ACCORDANCE WITH STATE OF MAINE SPECIFICATION SECTION 105.7 WORKING DRAWINGS	
	Transportation Engineer
NAME	TITLE

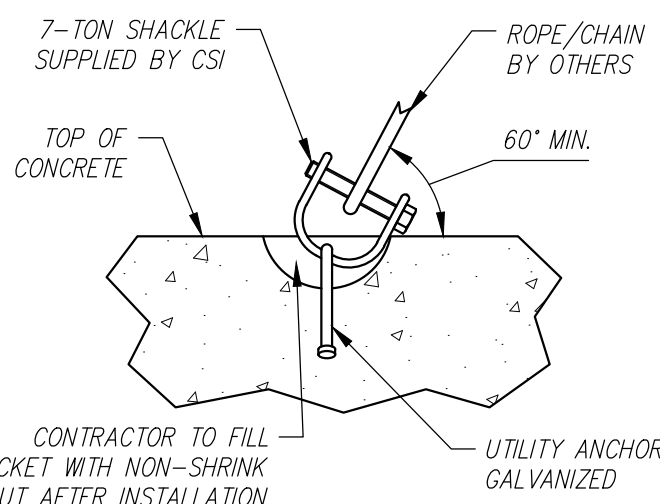
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	9							MEDOT		STATE OF MAINE WHITE TAIL CROSSING BRIDGE BREWER — EDDINGTON, ME							
	8							D	Drawn By YAA		Date 05/21/2021	CULVERT END ELEVATION & TYPICAL END SECTION		REV 1			
	7								Reviewed By YAA		Date 08/18/2021	Drawing No. C24548—ELE1					
	6								Approved By JAE		Date						
	5																
	4											Quantity: —		Project No: WIN 018915.50		SHEET 3 OF 16	
	3																
	2																
	1	09/14/2021	REMOVE TOE WALL DETAIL & ADD ADD'L REINFORCING AT HAUNCHES	YAA													
Rev.	Date	DESCRIPTION	By														
REVISIONS																	



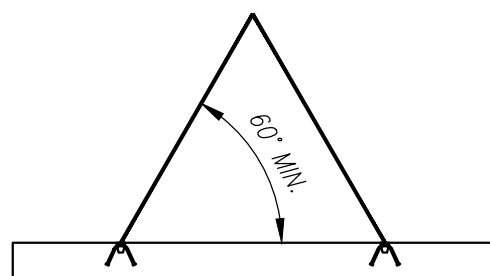
CULVERT LIFTING HARDWARE DETAIL
Scale: N.T.S.



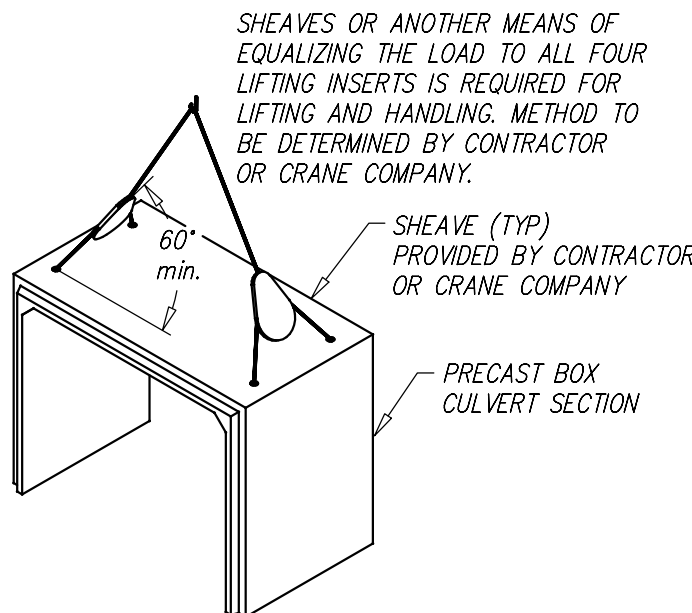
CULVERT JOINT DETAIL
SCALE: N.T.S.



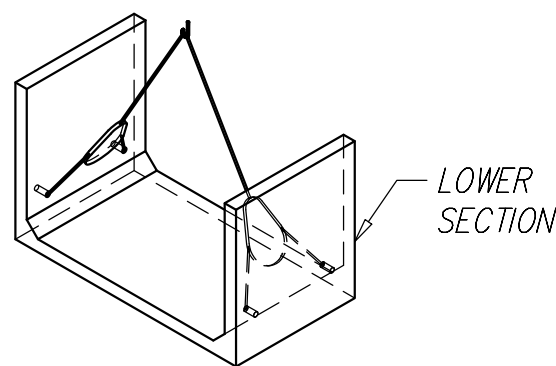
TOE WALL LIFTING HARDWARE DETAIL
Scale: N.T.S.



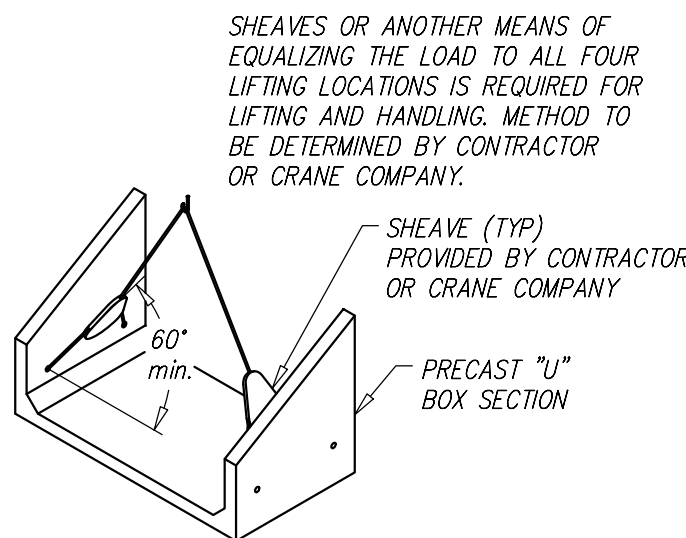
TOE WALL LIFTING DETAIL
SCALE: N.T.S.



UPPER SECTION CULVERT SHEAVE DETAILS
Scale: N.T.S.




LOWER SECTION CULVERT SHEAVE DETAILS
Scale: N.T.S.



END SECTIONS CULVERT SHEAVE DETAILS
Scale: N.T.S.

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	
<input checked="" type="checkbox"/> REVIEWED	<input type="checkbox"/> REVIEWED WITH COMMENTS
<input type="checkbox"/> REJECTED	<input type="checkbox"/> REVISE AND RESUBMIT
Sep 22, 2021	
THIS DOCUMENT WAS REVIEWED IN ACCORDANCE WITH STATE OF MAINE SPECIFICATION SECTION 106.7 WORKING DRAWINGS	
	Transportation Engineer II
NAME	TITLE

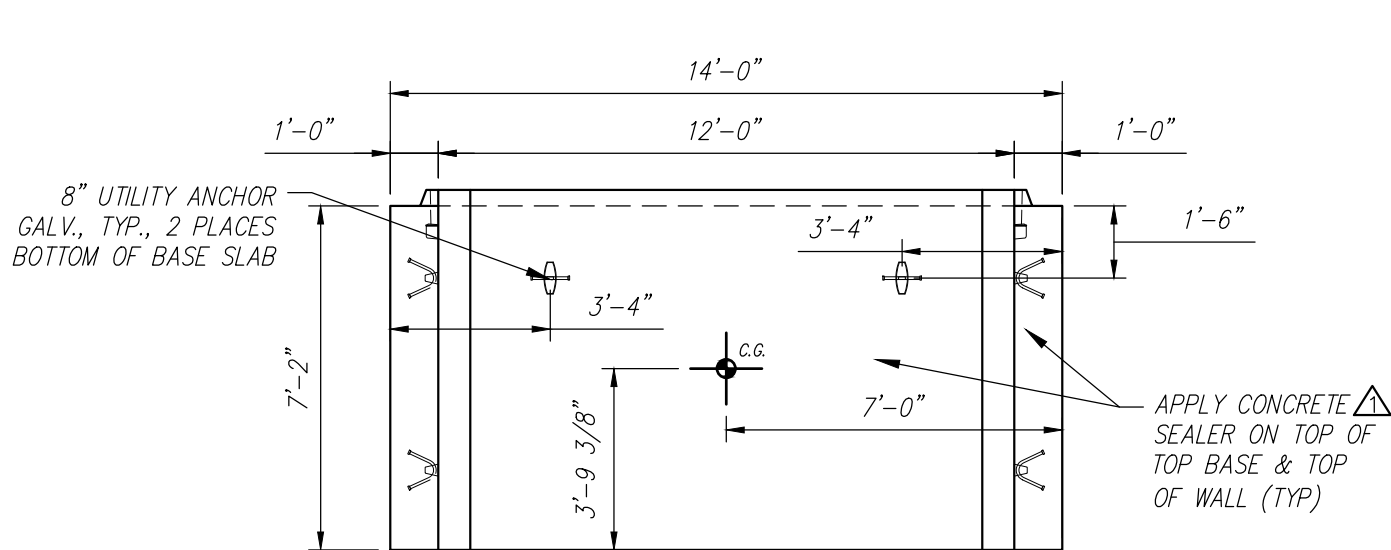
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	2									
	1									
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REVISIONS										
This drawing is based upon information provided from the following documents and/or sources:										
Engineer: MEDOT					 Concrete Systems Inc. 9 Commercial St., Hudson, NH, 03051 Phone 603-889-4163 Fax 603-889-2417	STATE AGENCY		STATE OF MAINE WHITE TAIL CROSSING BRIDGE BREWER — EDDINGTON, ME		
Project No: N/A						MEDOT				
Drawings: WHITE TAIL CROSSING BRIDGE						Drawn By YAA		Date 05/21/2021	D	REV 0
Specifications: SHEET 4 OF 7						Reviewed By YAA		Date 08/18/2021		
Other Sources: N/A						approved by		Date		
							Drawing No. C24548—DET1			
							Quantity: —		Project No: WIN 018915.50	
									SHEET 4 OF 16	

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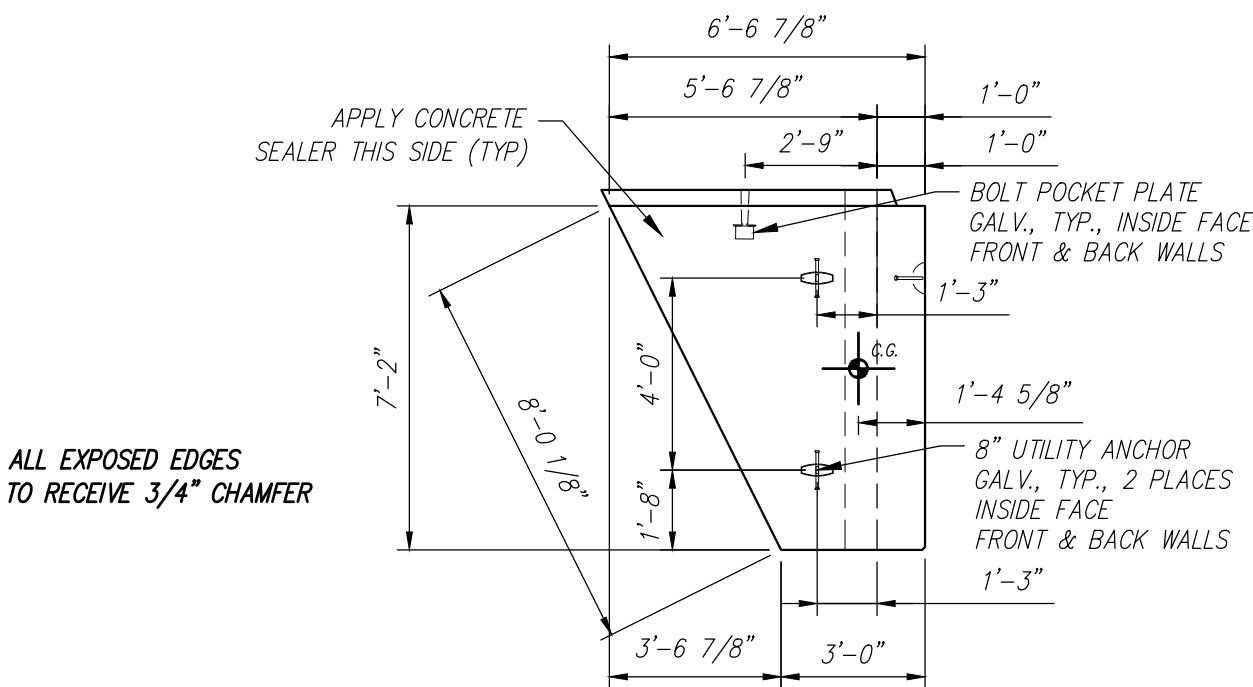
C1 - BILL OF MATERIALS / EMBEDS				
CSI ID#	DESCRIPTION	QTY	UM	COMMENTS
DTJ	CERTI-VEX PENSEAL 244-100%	1.3	GA	
EM-00125	BOLT POCKET PLATES (GALVANIZED)	2	EA	
EM-00033	3" FOAM CORE PVC	7	FT	
EM-00115	8" UTILITY ANCHOR -GALVANIZED	6	EA	
RM-00015	REBAR #5 BLACK-GR 60 40'	44	LB	
RM-00017	REBAR #6 BLACK-GR 60 40'	481	LB	
RM-00098	WIRE MESH ALL SIZES	655	LB	TOTAL WEIGHT
MX-FA5000SC30	MX DESIGN - FLY ASH 5000 SELF COMPACTIN	6.01	CY	

△

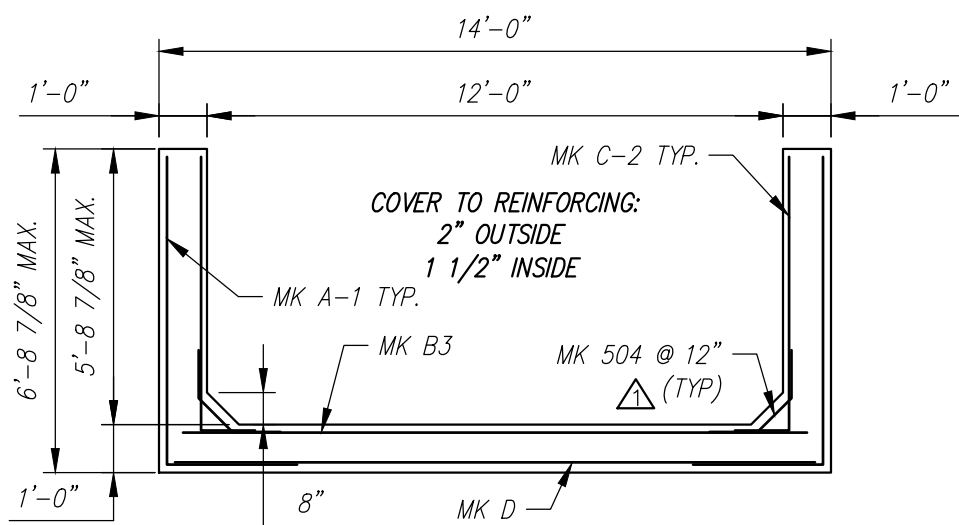
Rebar Schedule			
MK	QTY	LENGTH	
504 #5	14	3'-0"	
601 #6	34	9'-5"	MAX.



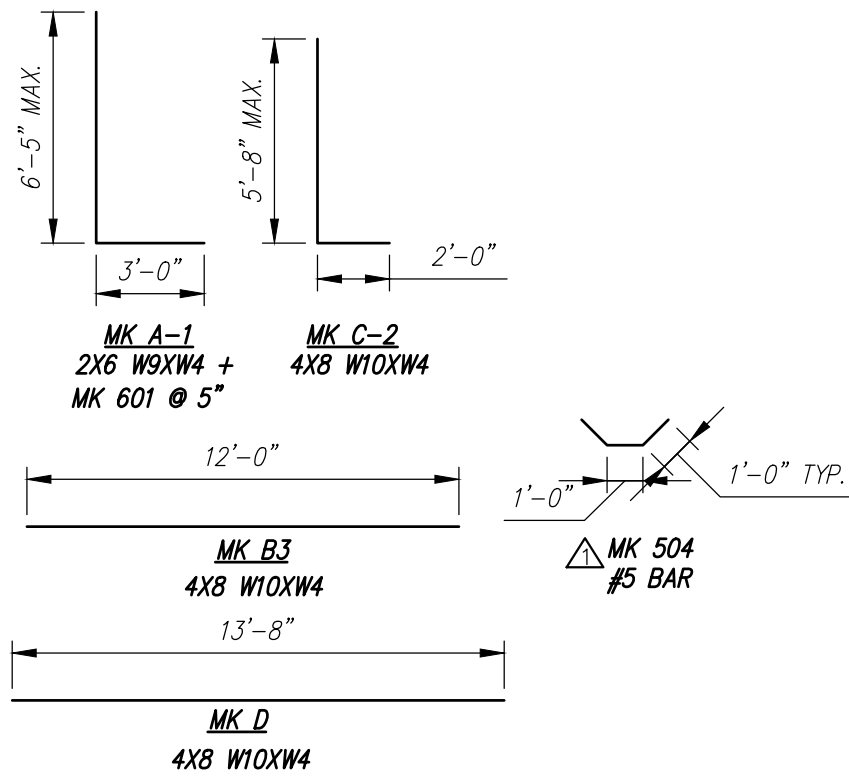
PLAN VIEW
Scale: 1/4" = 1'-0"



SIDE VIEW
Scale: 1/4" = 1'-0"



REINFORCING DETAIL
Scale: 1/4" = 1'-0"



BENDING SCHEDULE
Scale: N.T.S.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

☒ REVIEWED

☐ REVIEWED WITH COMMENTS

☐ REJECTED

☐ REVISE AND RESUBMIT

Sep 22, 2021

THIS DOCUMENT WAS REVIEWED IN ACCORDANCE WITH STATE OF MAINE SPECIFICATION SECTION 105.7 WORKING DRAWINGS

Transportation Engineer II

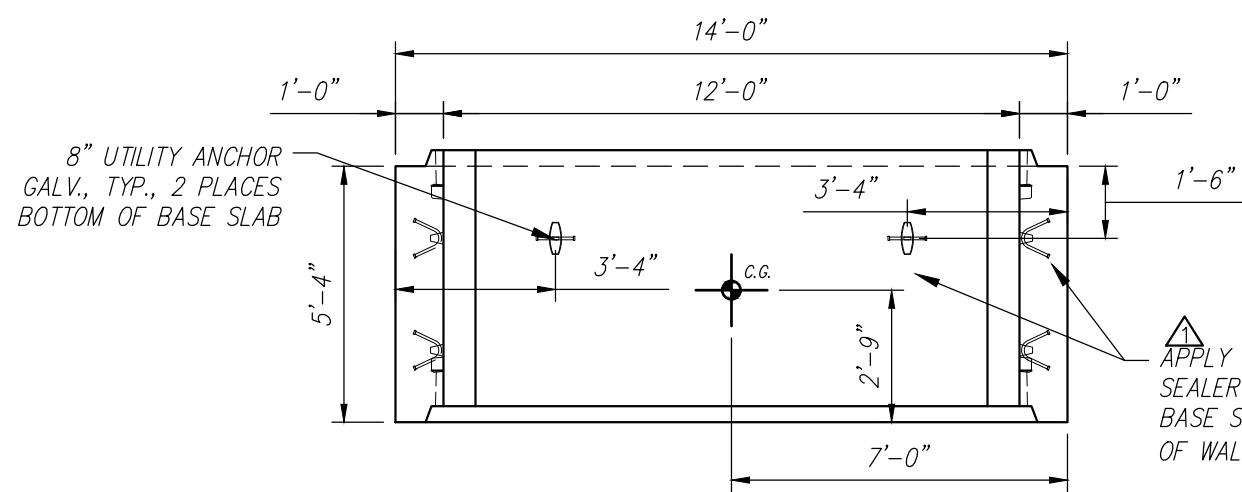
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TITLE

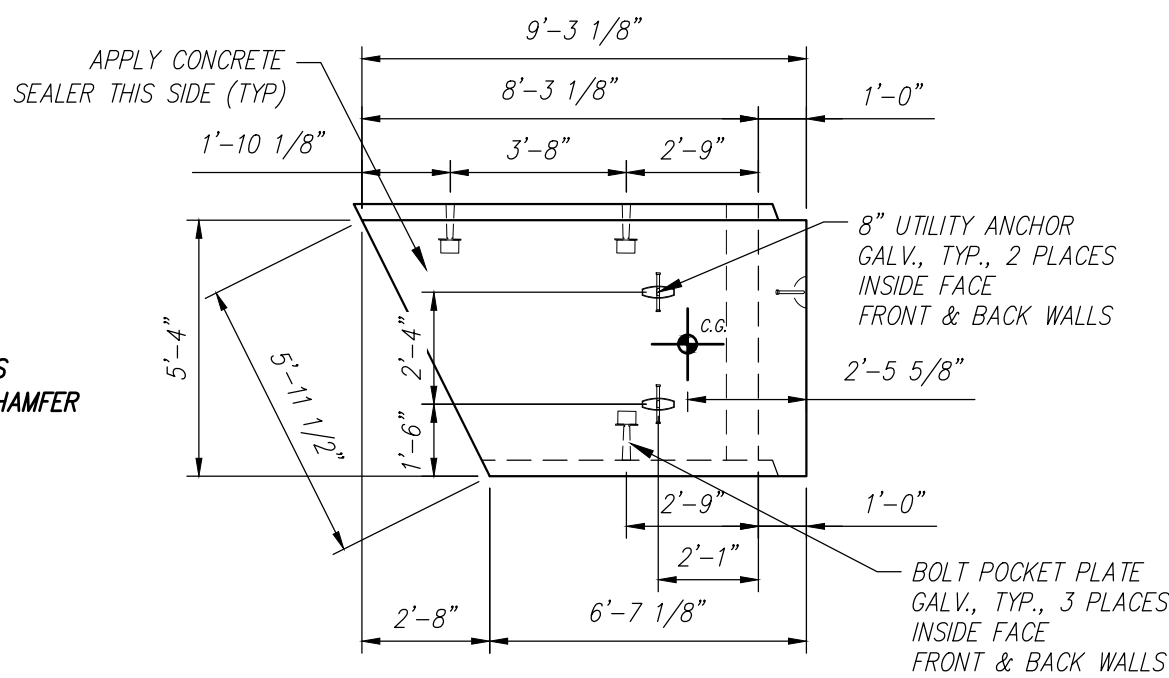
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		9				
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		7				
		6				
		5				
		4				
		3				
		2				
		1	09/14/2021	REVISED REINFORCING & REMOVE 3"Ø HOLE IN BASE SLAB	YAA	
		Rev.	Date	DESCRIPTION	By	
				REVISIONS		
This drawing is based upon information provided from the following documents and/or sources:						
Engineer: MEDOT Project No: N/A Drawings: WHITE TAIL CROSSING BRIDGE SHEET 4 OF 7 Specifications: SPECIAL PROVISION SECTION 534 PRECAST STRUCTURAL CONCRETE Other Sources: N/A						
 Concrete Systems Inc. 9 Commercial St., Hudson, NH 03051 Phone 603-889-4163 Fax 603-889-2417		STATE AGENCY MEDOT		STATE OF MAINE WHITE TAIL CROSSING BRIDGE BREWER — EDDINGTON, ME		
Drawn By YAA Reviewed By YAA Approved By		Date 08/17/2021 Date 08/18/2021 Date		D Drawing No. INDIVIDUAL PIECE SHOP DRAWING C1 C24548—C1		
Quantity: 1		Project No: WIN 018915.50		SHEET 5 OF 16		
REV 1						

C2 - BILL OF MATERIALS / EMBEDS				
CSI ID#	DESCRIPTION	QTY	UM	COMMENTS
DTJ	CERTI-VEX PENSEAL 244-100%	1	EA	
EM-00125	BOLT POCKET PLATES (GALVANIZED)	6	EA	
EM-00115	8" UTILITY ANCHOR -GALVANIZED	6	EA	
JS-00002	1"x1" CLOSED NEOP GASKET	27.17	FT	AROUND BELL
RM-00015	REBAR #5 BLACK-GR 60 40'	31	LB	
RM-00017	REBAR #6 BLACK-GR 60 40'	435	LB	
RM-00098	WIRE MESH ALL SIZES	785	LB	TOTAL WEIGHT
MX-FA5000SC30	MIX DESIGN - FLY ASH 5000 SELF COMPACTIN	5.60	CY	

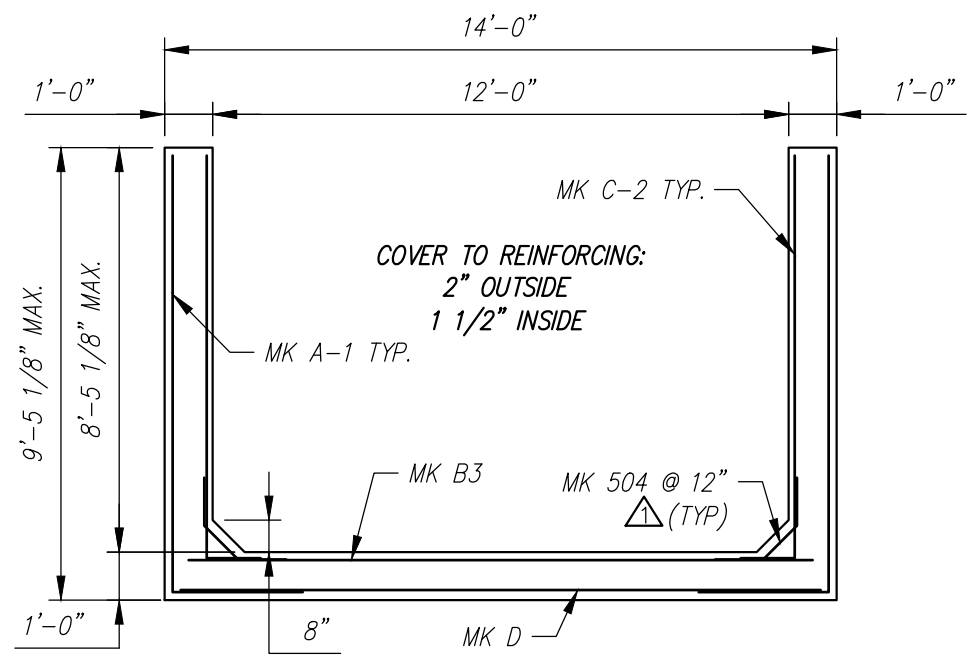
Rebar Schedule			
MK	QTY	LENGTH	
504 #5	10	3'-0"	0"
602 #6	24	12'-0"	1" MAX.



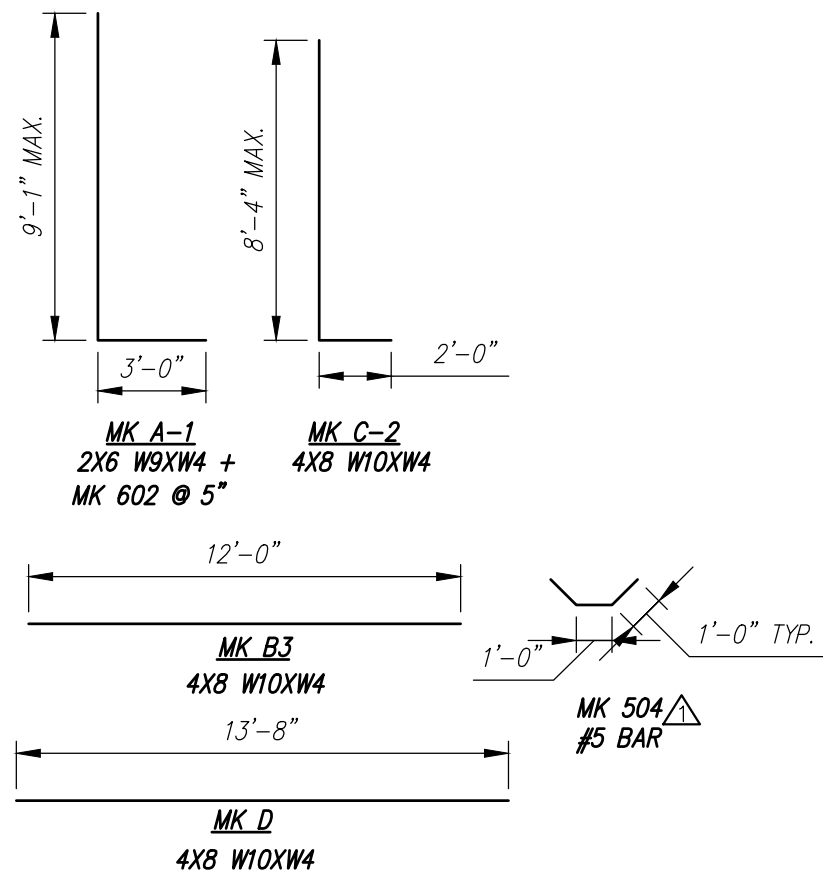
PLAN VIEW
Scale: 1/4" = 1'-0"



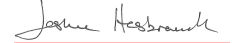
SIDE VIEW
Scale: 1/4" = 1'-0"



REINFORCING DETAIL
Scale: 1/4" = 1'-0"



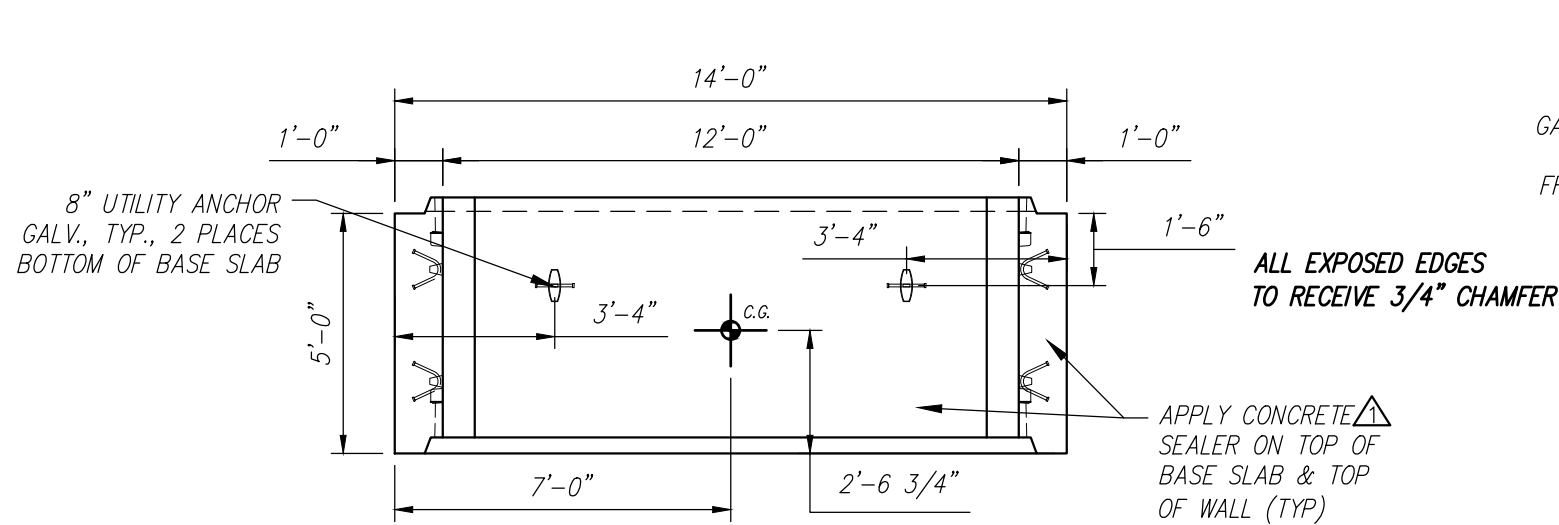
BENDING SCHEDULE
Scale: N.T.S.

STATE OF MAINE DEPARTMENT OF TRANSPORTATION
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<input type="checkbox"/> REJECTED <input type="checkbox"/> REVISE AND RESUBMIT
Sep 22, 2021
THIS DOCUMENT WAS REVIEWED IN ACCORDANCE WITH STATE OF MAINE SPECIFICATION SECTION 165.7 WORKING DRAWINGS
 Transportation Engineer II
NAME TITLE

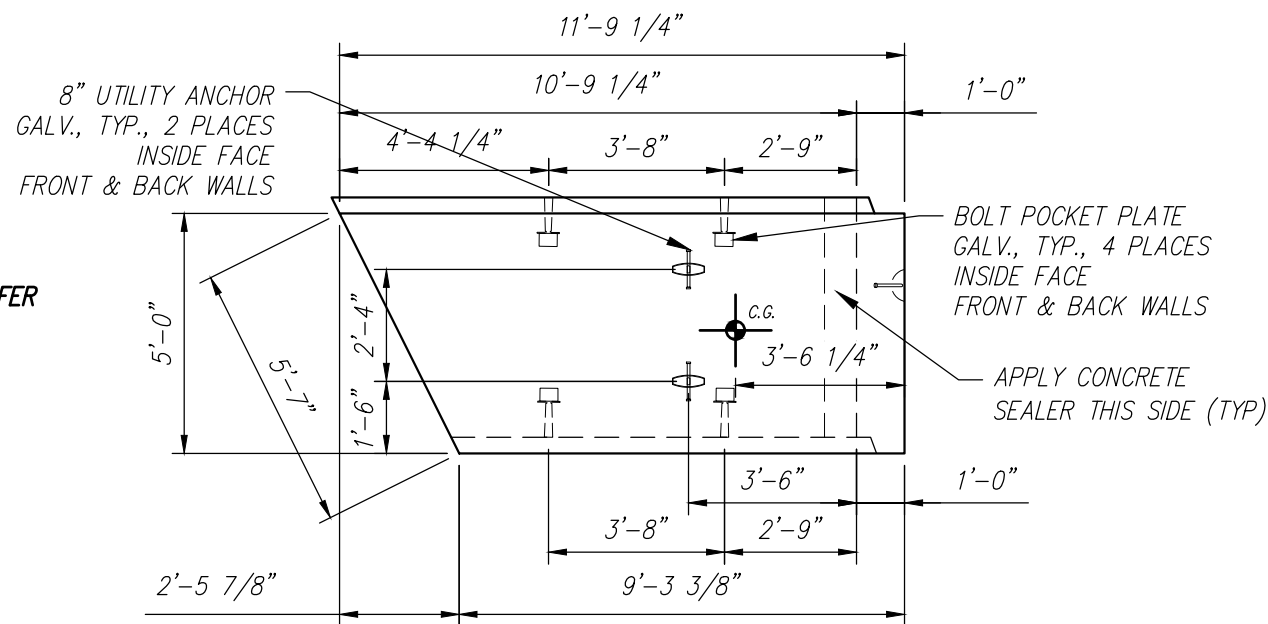
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C3 - BILL OF MATERIALS / EMBEDS				
CSI ID#	DESCRIPTION	QTY	UM	COMMENTS
DTJ	CERTI-VEX PENSEAL 244-100%	1.3	GA	
EM-00125	BOLT POCKET PLATES (GALVANIZED)	8	EA	
EM-00115	8" UTILITY ANCHOR - GALVANIZED	6	EA	
JS-00002	1"X1"CLOSED NEOP GASKET	32.5	FT	AROUND BELL
RM-00015	REBAR #5 BLACK-GR 60 40'	31	LB	
RM-00017	REBAR #6 BLACK-GR 60 40'	482	LB	
RM-00098	WIRE MESH ALL SIZES	909	LB	TOTAL WEIGHT
MX-FA5000SC30	MIX DESIGN - FLY ASH 5000 SELF COMPACTIN	6.20	CY	

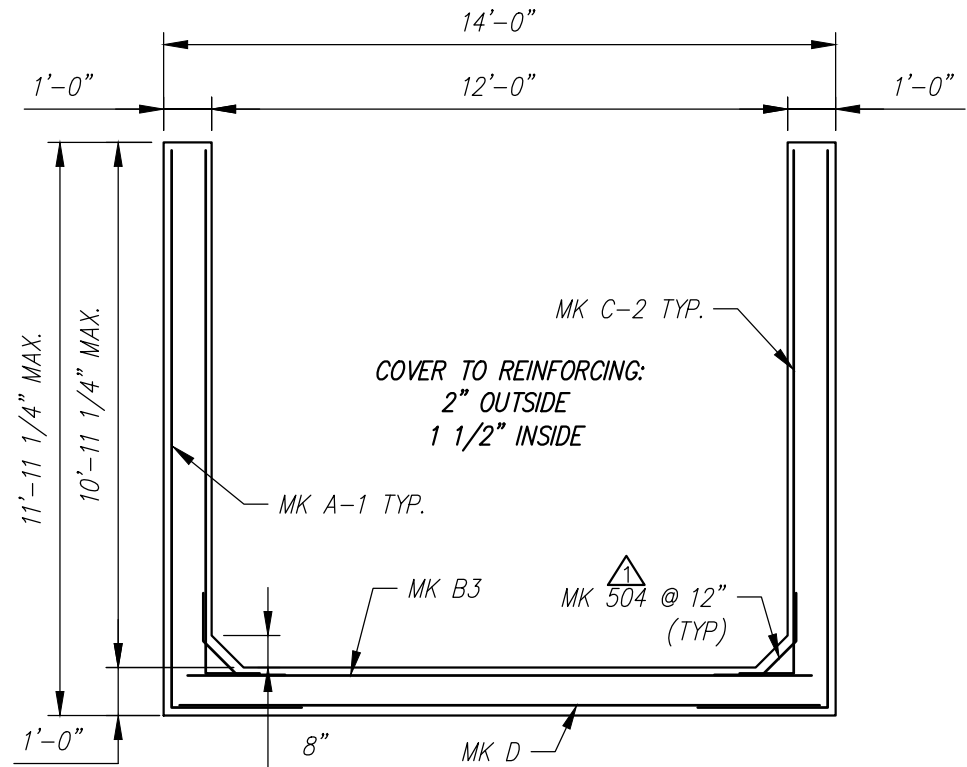
Rebar Schedule			
MK	QTY	LENGTH	
504 #5	10	3' - 0"	
603 #6	22	14' - 7" MAX.	



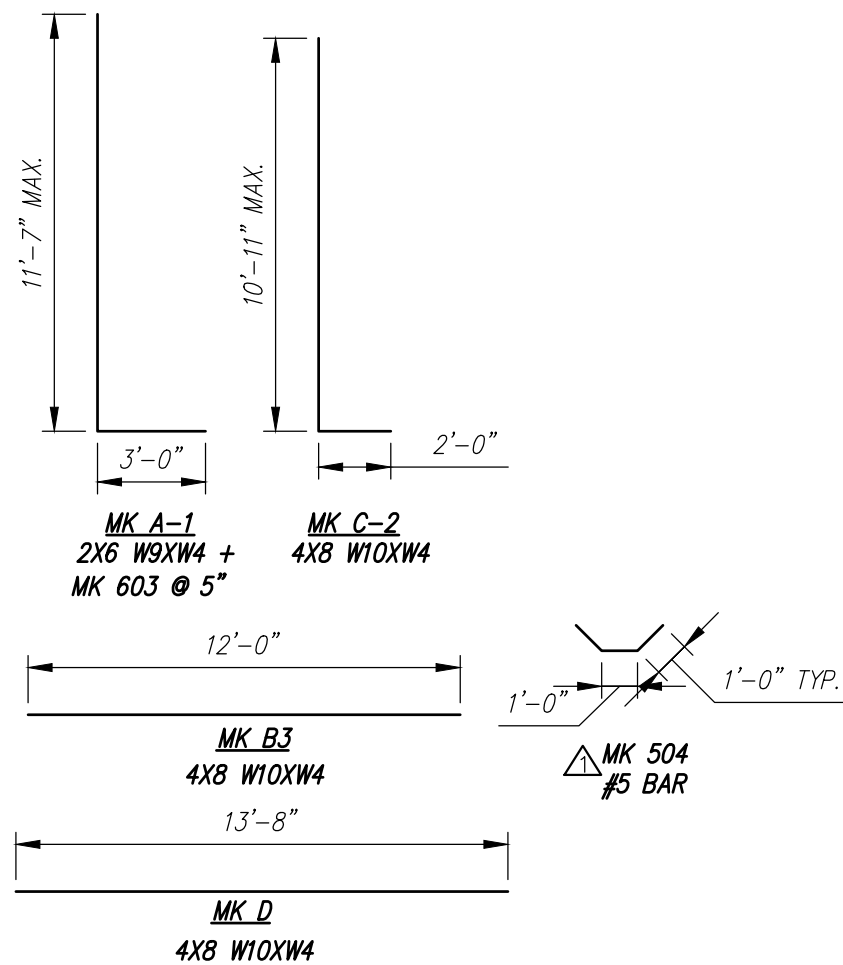
PLAN VIEW
Scale: 1/4" = 1'-0"



SIDE VIEW
Scale: 1/4" = 1'-0"




REINFORCING DETAIL
Scale: 1/4" = 1'-0"



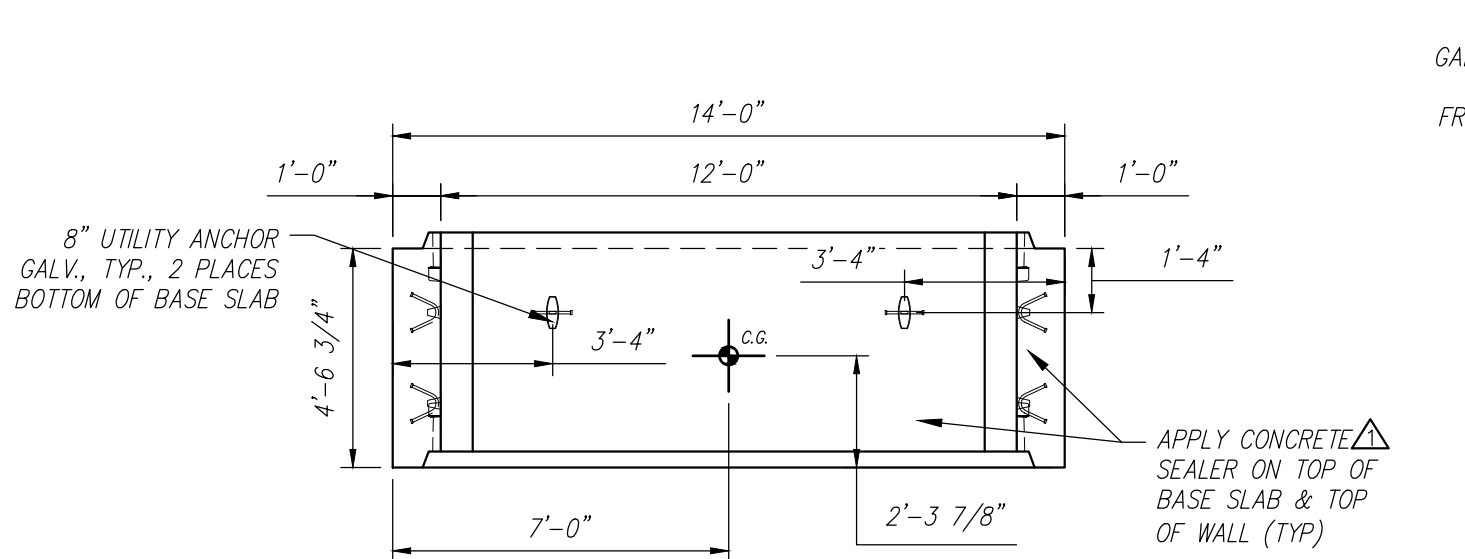
BENDING SCHEDULE
Scale: N.T.S.

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	
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<input type="checkbox"/> REJECTED	<input type="checkbox"/> REVISE AND RESUBMIT
Sep 22, 2021	
THIS DOCUMENT WAS REVIEWED IN ACCORDANCE WITH STATE OF MAINE SPECIFICATION SECTION 105.7 WORKING DRAWINGS	
	Transportation Engineer II
NAME	TITLE

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		9			
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		3			
		2			
		1	09/14/2021	REVISED REINFORCING	YAA
Rev.	Date		DESCRIPTION	By	
		REVISIONS			
This drawing is based upon information provided from the following documents and/or sources:					
Engineer: MEDOT Project No: N/A Drawings: WHITE TAIL CROSSING BRIDGE SHEET 4 OF 7 SPECIAL PROVISION SECTION 534 PRECAST STRUCTURAL CONCRETE Other Sources: N/A					
 Concrete Systems Inc. 9 Commercial St., Hudson, NH 03051 Phone 603-889-4163 Fax 603-889-2417					
STATE AGENCY MEDOT					
STATE OF MAINE WHITE TAIL CROSSING BRIDGE BREWER - EDDINGTON, ME					
INDIVIDUAL PIECE SHOP DRAWING C3					
C24548-C3					
Quantity: 1 Project No: WIN 018915.50 SHEET 7 OF 16					

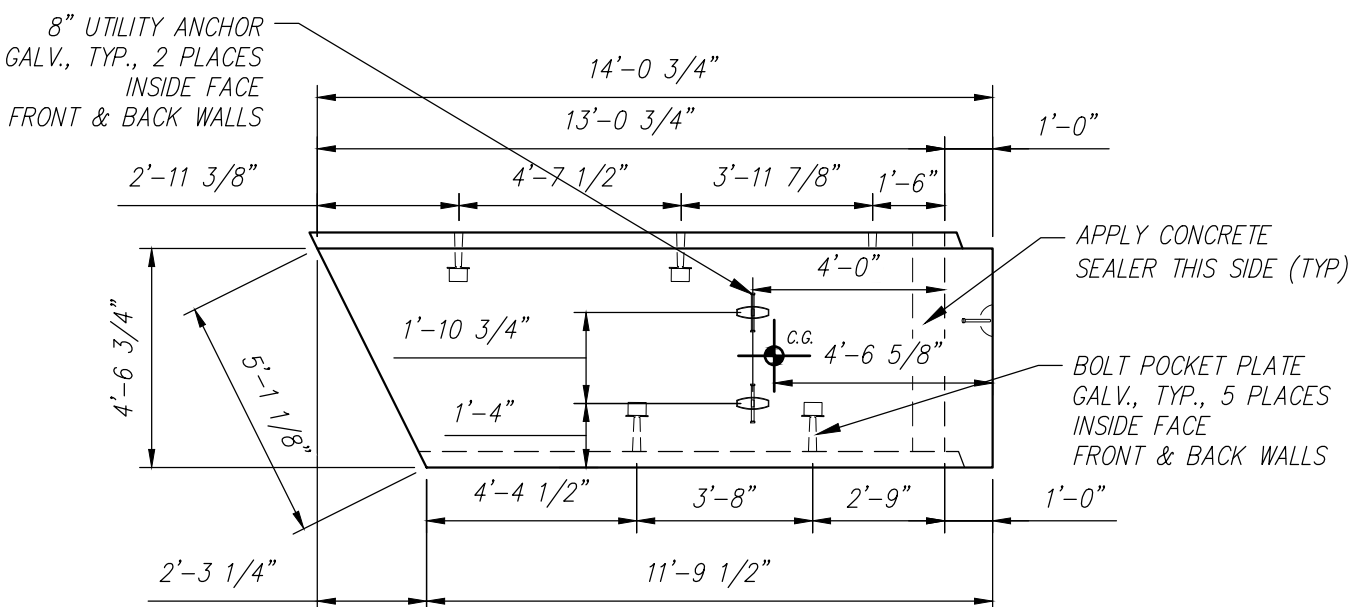
C4 - BILL OF MATERIALS / EMBEDS				
CSI ID#	DESCRIPTION	QTY	UM	COMMENTS
DTJ	CERTI-VEX PENSEAL 244-100%	1.4	GA	
EM-00125	BOLT POCKET PLATES (GALVANIZED)	10	EA	
EM-00115	8" UTILITY ANCHOR -GALVANIZED	6	EA	
JS-00002	1"X1"CLOSED NEOP GASKET	37.5	FT	AROUND BELL
RM-00015	REBAR #5 BLACK-GR 60 40'	31	LB	
RM-00017	REBAR #6 BLACK-GR 60 40'	508	LB	
RM-00098	WIRE MESH ALL SIZES	1114	LB	TOTAL WEIGHT
MX-FA5000SC30	MIX DESIGN - FLY ASH 5000 SELF COMPACTIN	6.45	CY	

MK	QTY	LENGTH
504 #5	10	3'-0"
604 #6	20	16'-11" MAX.

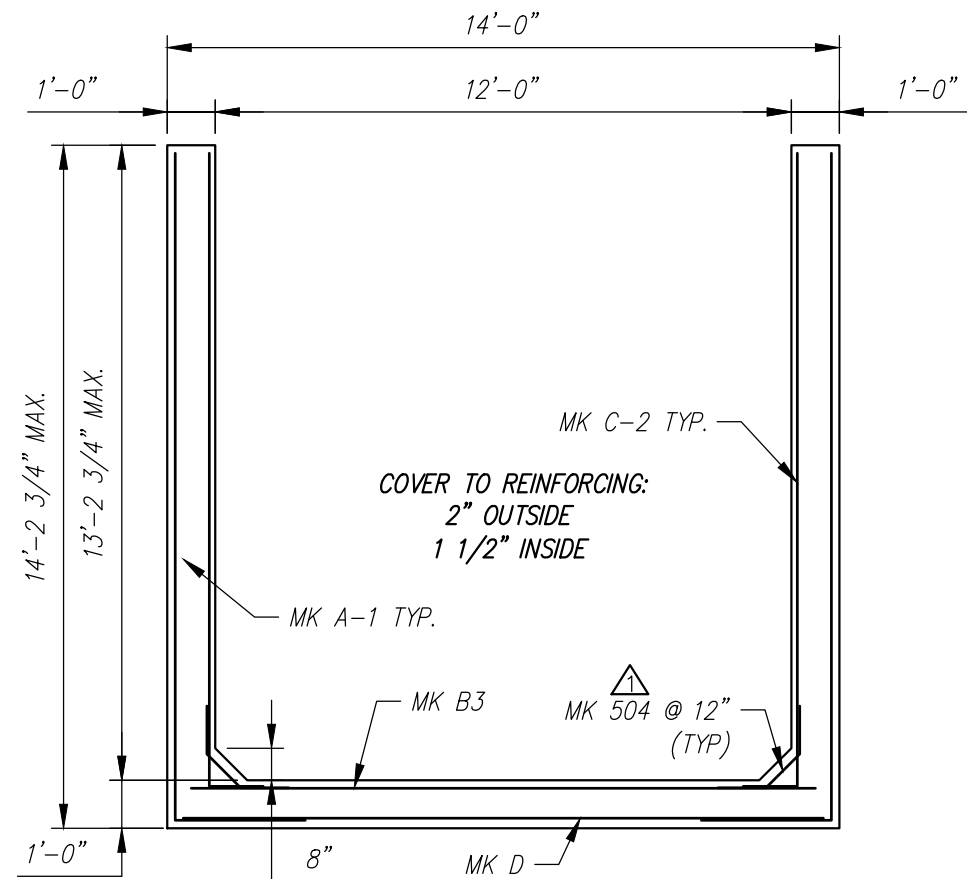


PLAN VIEW
Scale: 1/4" = 1'-0"

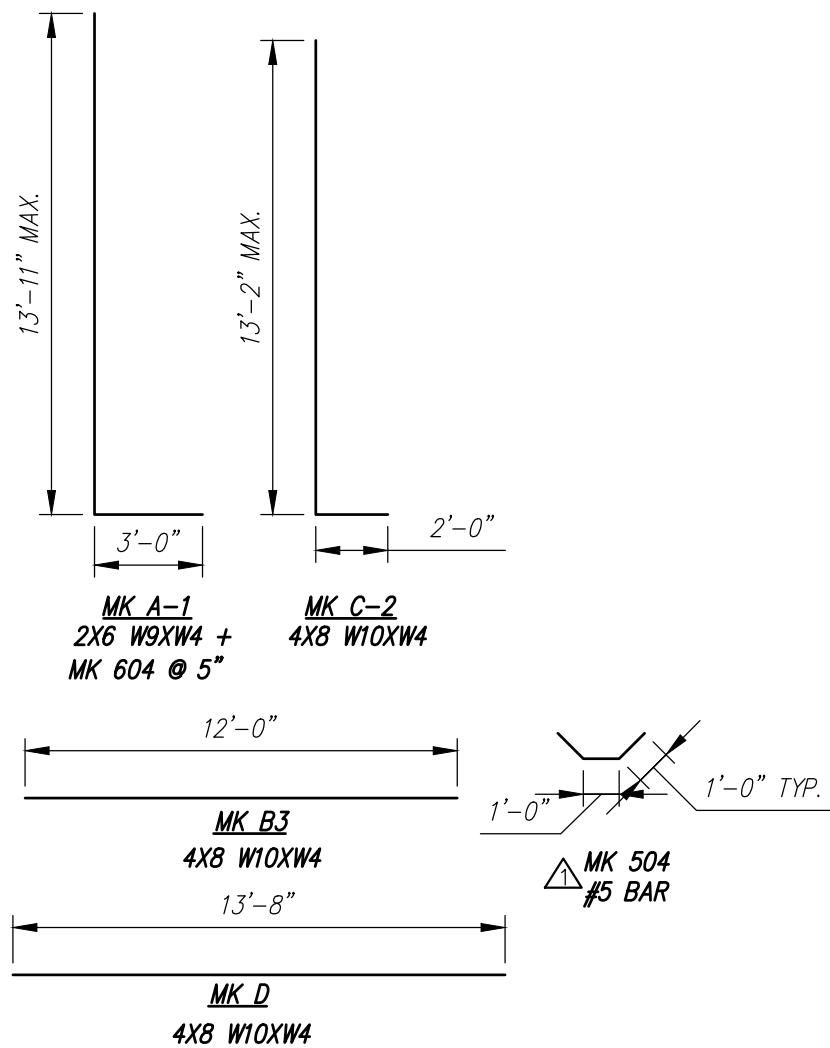
ALL EXPOSED EDGES
TO RECEIVE 3/4" CHAMFER



SIDE VIEW
Scale: 1/4" = 1'-0"



REINFORCING DETAIL
Scale: 1/4" = 1'-0"



BENDING SCHEDULE
Scale: N.T.S.

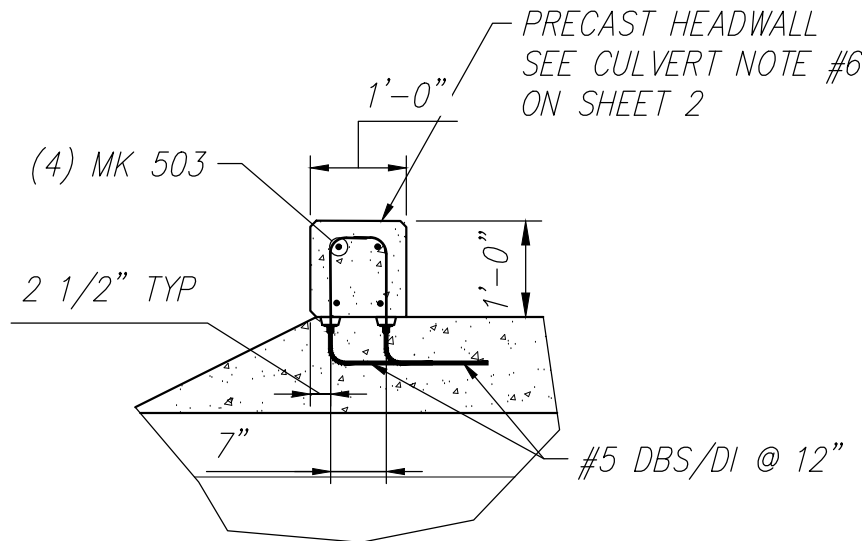
STATE OF MAINE DEPARTMENT OF TRANSPORTATION	
<input checked="" type="checkbox"/> REVIEWED	<input type="checkbox"/> REVIEWED WITH COMMENTS
<input type="checkbox"/> REJECTED	<input type="checkbox"/> REVISE AND RESUBMIT
Sep 22, 2021	
THIS DOCUMENT WAS REVIEWED IN ACCORDANCE WITH STATE OF MAINE SPECIFICATION SECTION 165.7 WORKING DRAWINGS	
<u>James H. Henshaw</u>	Transportation Engineer II
NAME	TITLE

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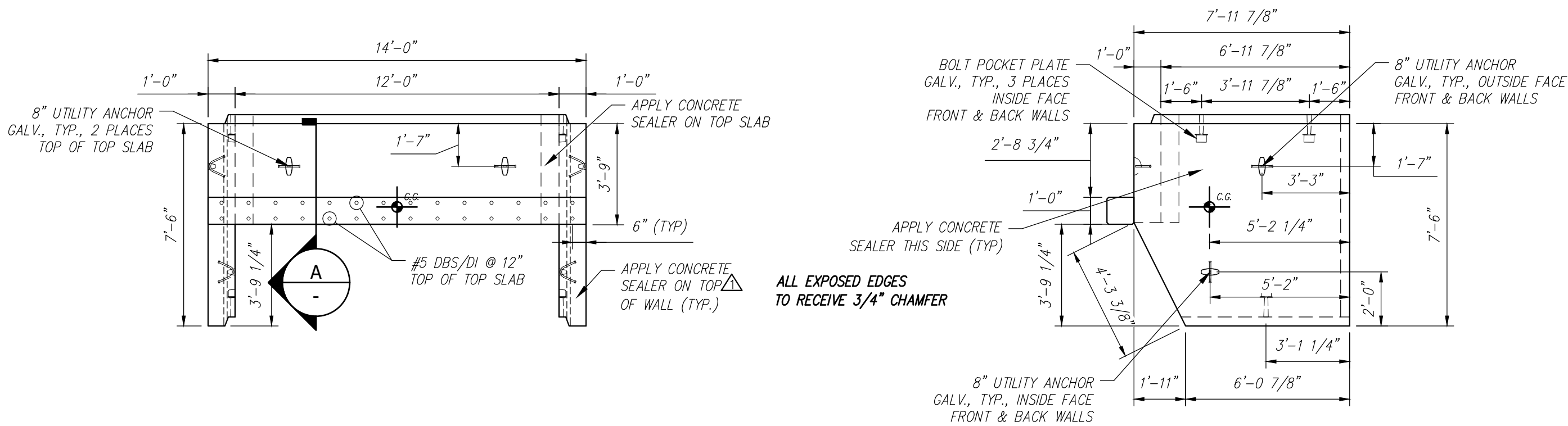
C5 - BILL OF MATERIALS / EMBEDS				
CSI ID#	DESCRIPTION	QTY	UM	COMMENTS
DTJ	CERTI-VEX PENSEAL 244-100%	1.3	GA	
EM-00012	DBSAE #5 X 18" BLACK	28	EA	DOWEL BAR SPLICER
EM-00125	BOLT POCKET PLATES (GALVANIZED)	6	EA	
EM-00115	8" UTILITY ANCHOR -GALVANIZED	6	EA	
JS-00002	1"X1"CLOSED NEOP GASKET	12	FT	AROUND BELL
RM-00013	REBAR #4 BLACK- GR 60	56	LB	
RM-00015	REBAR #5 BLACK-GR 60 40'	317	LB	
RM-00098	WIRE MESH ALL SIZES	798	LB	TOTAL WEIGHT
MX-FA5000SC30	MIX DESIGN - FLY ASH 5000 SELF COMPACTIN	5.80	CY	
HEADWALL - BILL OF MATERIALS / EMBEDS				
DTJ	CERTI-VEX PENSEAL 244-100%	0.3	GA	
EM-00020	DI #5 X 18" BLACK	28	EA	DOWEL IN
RM-00015	REBAR #5 BLACK-GR 60 40'	57	LB	
MX-FA5000SC30	MIX DESIGN - FLY ASH 5000 SELF COMPACTIN	0.52	CY	

Rebar Schedule			
MK	QTY	LENGTH	
401 #4	7	12'-0"	
501 #5	26	10'-9"	MAX.
504 #5	8	3'-0"	

Headwall Rebar Schedule			
MK	QTY	LENGTH	
503 #5	4	13'-8"	

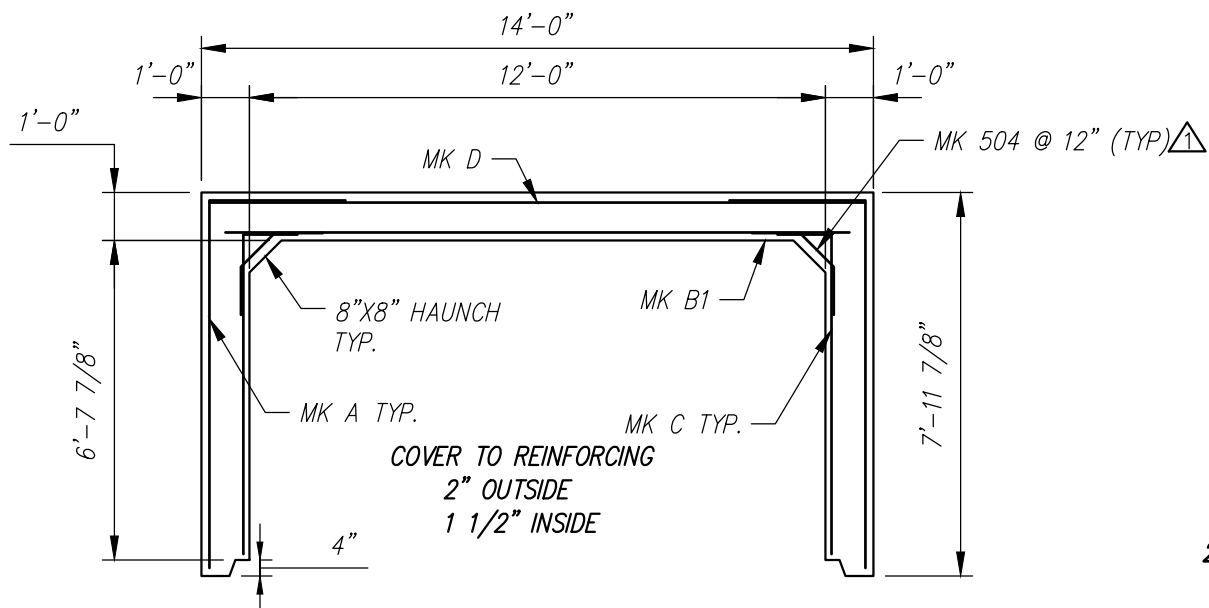


HEADWALL END SECTION
Scale: 1/2" = 1'-0"

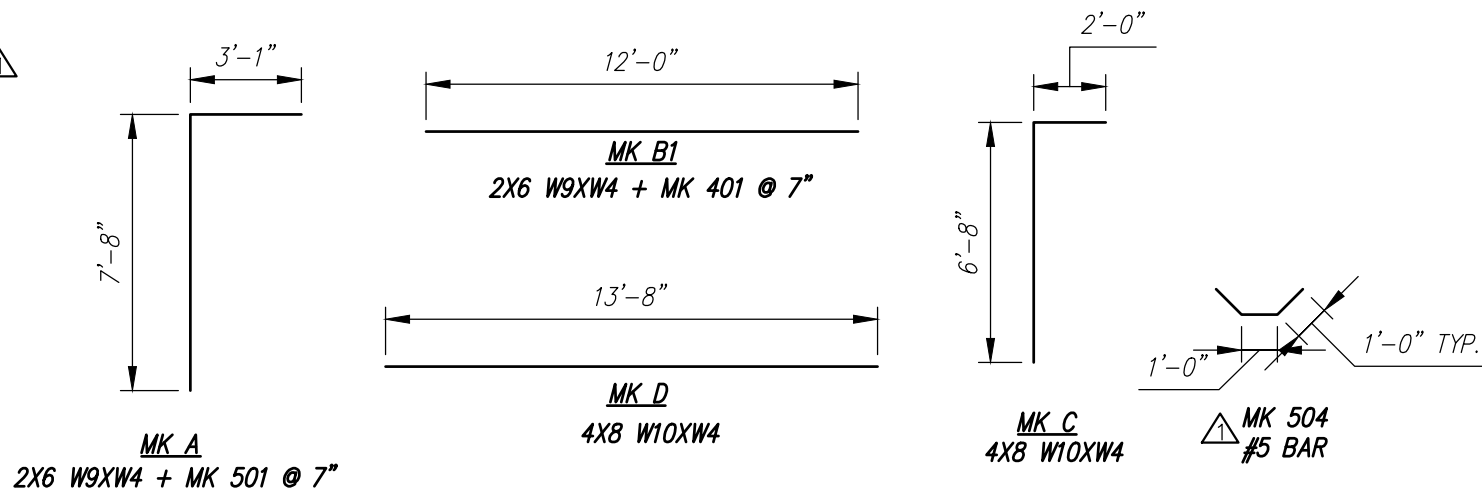


PLAN VIEW
Scale: 1/4" = 1'-0"

SIDE VIEW
Scale: 1/4" = 1'-0"



REINFORCING DETAIL
Scale: 1/4" = 1'-0"



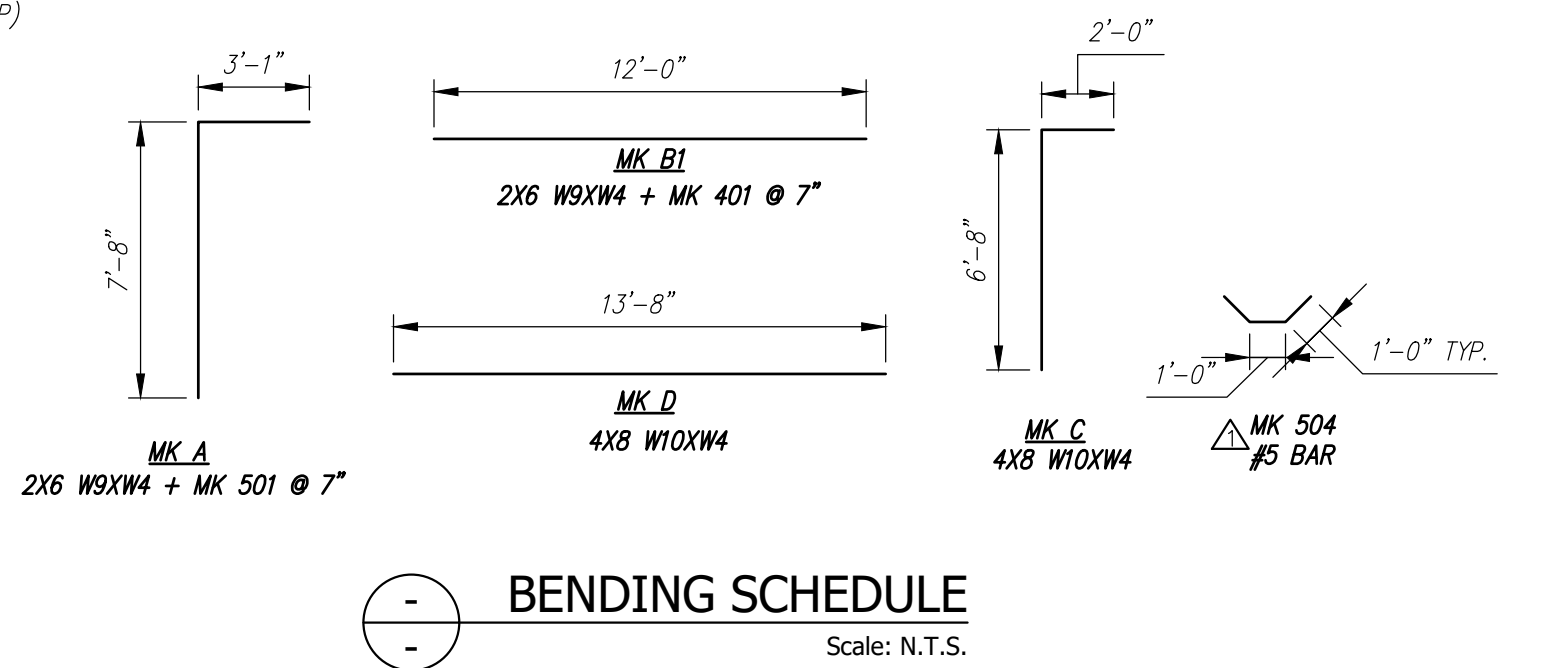
BENDING SCHEDULE
Scale: N.T.S.

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	
<input checked="" type="checkbox"/> REVIEWED	<input type="checkbox"/> REVIEWED WITH COMMENTS
<input type="checkbox"/> REJECTED	<input type="checkbox"/> REVISE AND RESUBMIT
Sep 22, 2021	
THIS DOCUMENT WAS REVIEWED IN ACCORDANCE WITH STATE OF MAINE SPECIFICATION SECTION 105.7 WORKING DRAWINGS	
NAME	TITLE

Contractor is to verify that all information shown on drawings has been thoroughly checked, complies with the contract documents and is adequate to meet the field conditions. Some dimensions and details may differ slightly from contract drawings to accommodate the manufacturing or design process. Approval of this drawing indicates that any deviation from the contract documents has been reviewed and found to be acceptable. Production will not commence until receipt of signed, approved shop drawings.		10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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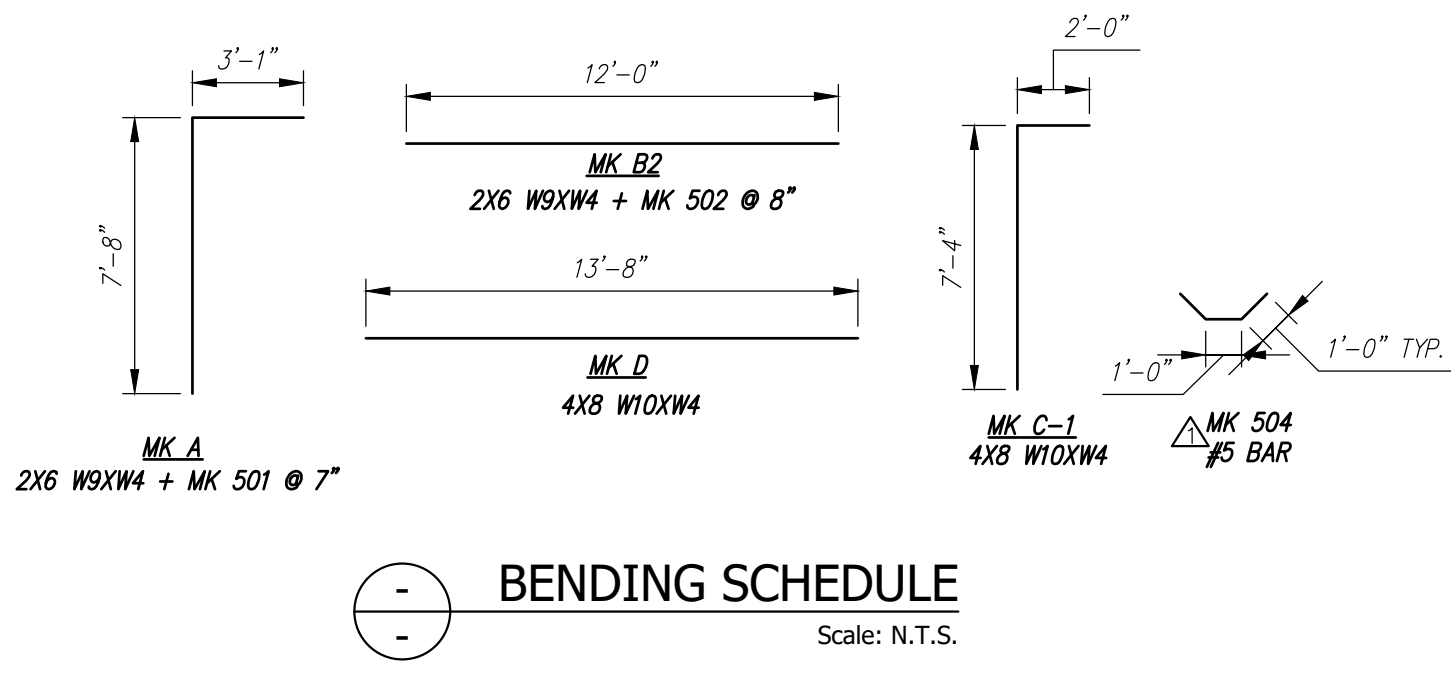
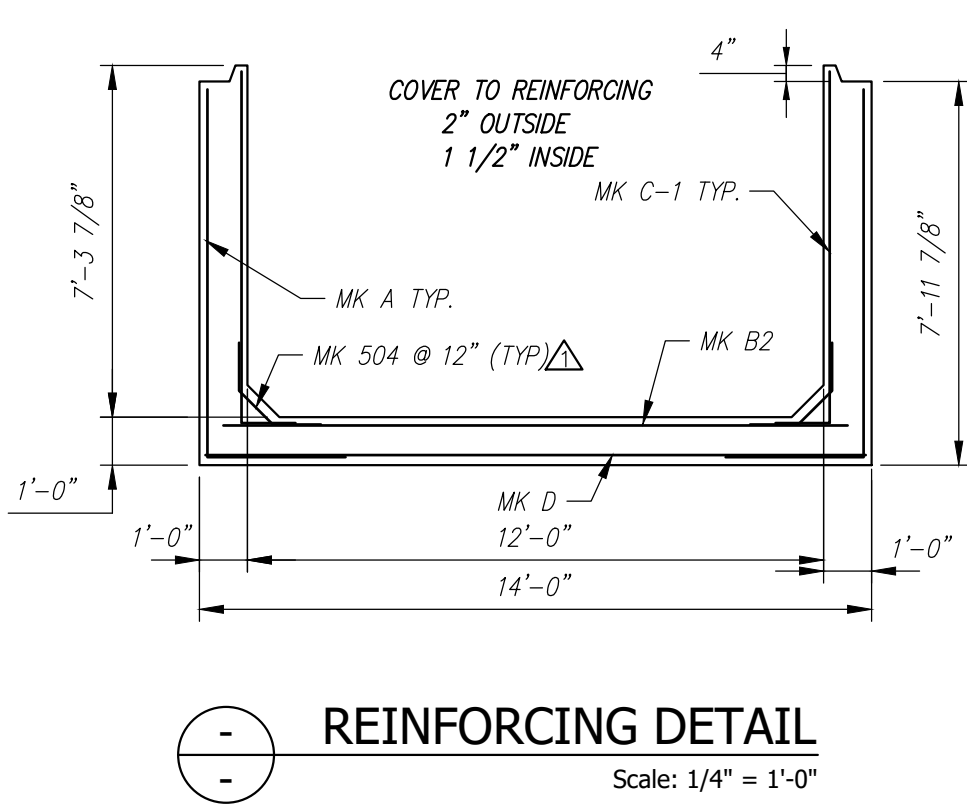
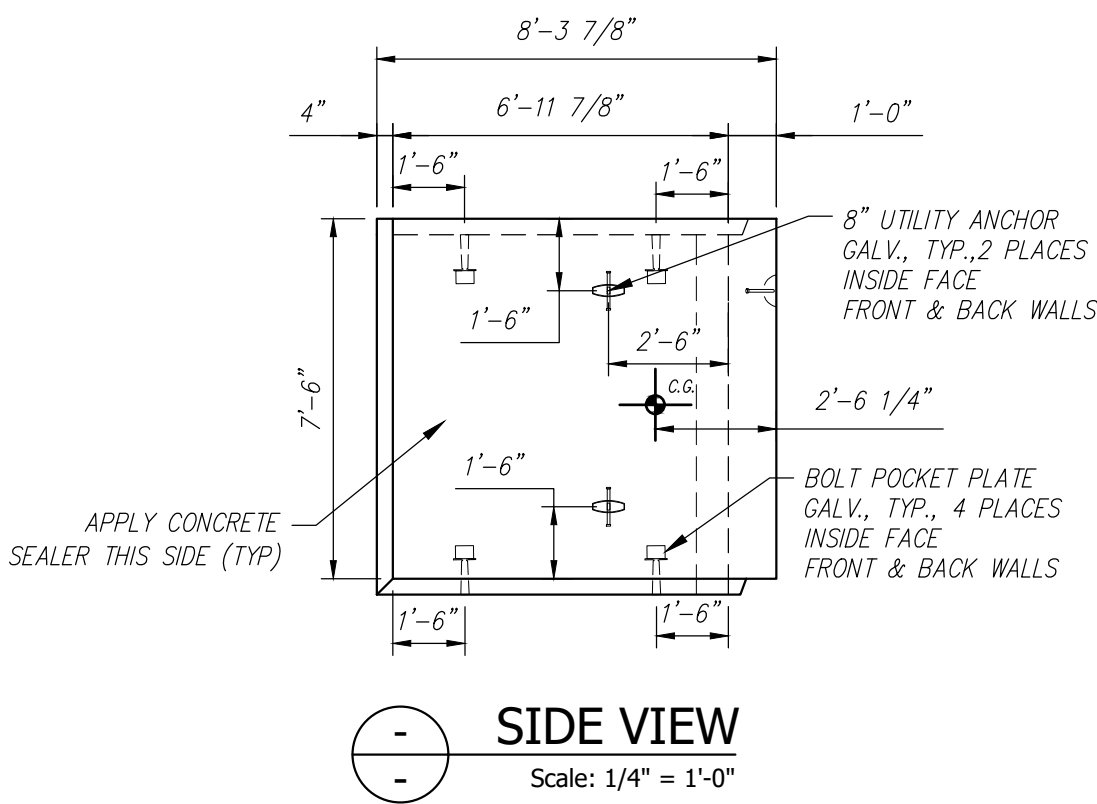
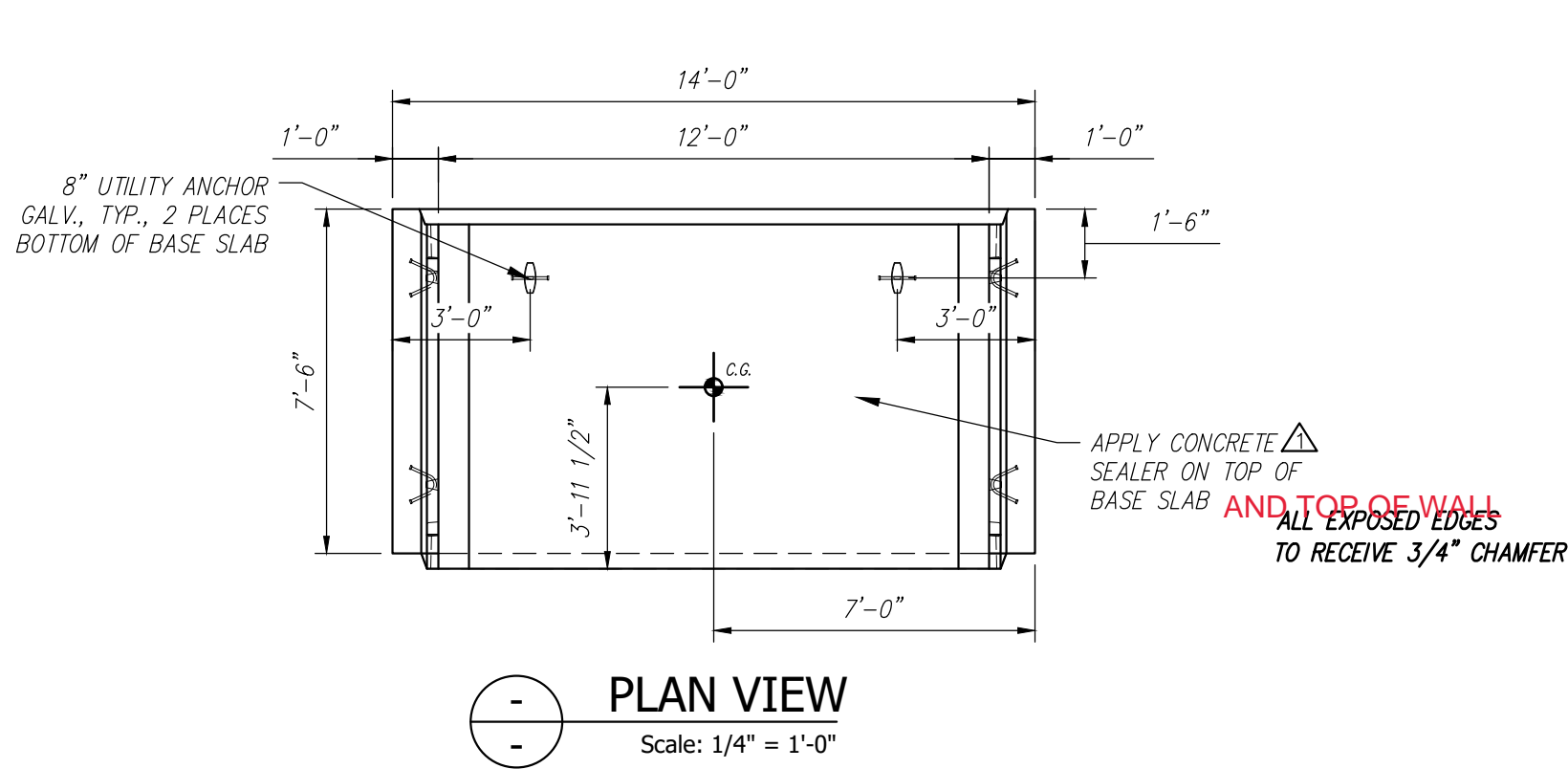
FEDERAL AID PROJECT NO. 1891500

Rebar Schedule			
MK		QTY	LENGTH
401	#4	13	12' - 0"
501	#5	26	10' - 9"
504	#5	16	3' - 0"


[illegible]

C8 - BILL OF MATERIALS / EMBEDS				
CSI ID#	DESCRIPTION	QTY	UM	COMMENTS
DTJ	CERTI-VEX PENSEAL 244-100%	1.6	GA	
EM-00125	BOLT POCKET PLATES (GALVANIZED)	8	EA	
EM-00115	8" UTILITY ANCHOR - GALVANIZED	6	EA	
JS-00002	1"X1"CLOSED NEOP GASKET	28.83	FT	AROUND BELL
RM-00015	REBAR #5 BLACK-GR 60 40'	479	LB	
RM-00098	WIRE MESH ALL SIZES	763	LB	TOTAL WEIGHT
MX-FA5000SC30	MIX DESIGN - FLY ASH 5000 SELF COMPACTIN	7.95	CY	

Rebar Schedule		
MK	QTY	LENGTH
501 #5	26	10'-9"
502 #5	11	12'-0"
504 #5	16	3'-0"

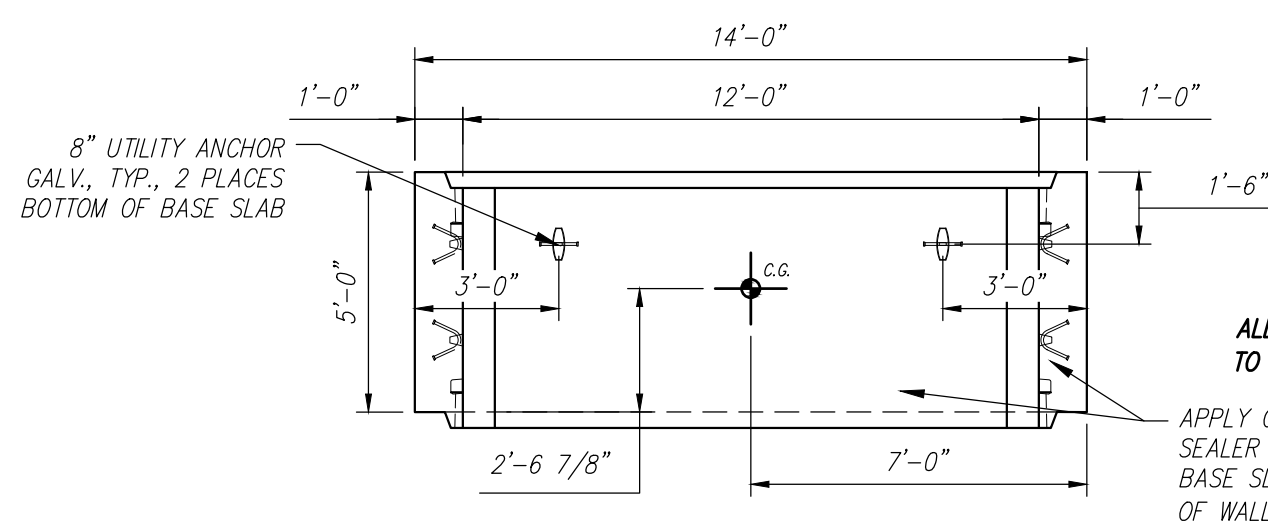


STATE OF MAINE	
DEPARTMENT OF TRANSPORTATION	
<input type="checkbox"/> REVIEWED	<input checked="" type="checkbox"/> REVIEWED WITH COMMENTS
<input type="checkbox"/> REJECTED	<input type="checkbox"/> REVISE AND RESUBMIT
Sep 22, 2021	
THIS DOCUMENT WAS REVIEWED IN ACCORDANCE WITH STATE OF MAINE SPECIFICATION SECTION 105.7 WORKING DRAWINGS	
<i>James H. Hennessey</i>	Transportation Engineer II
NAME	TITLE

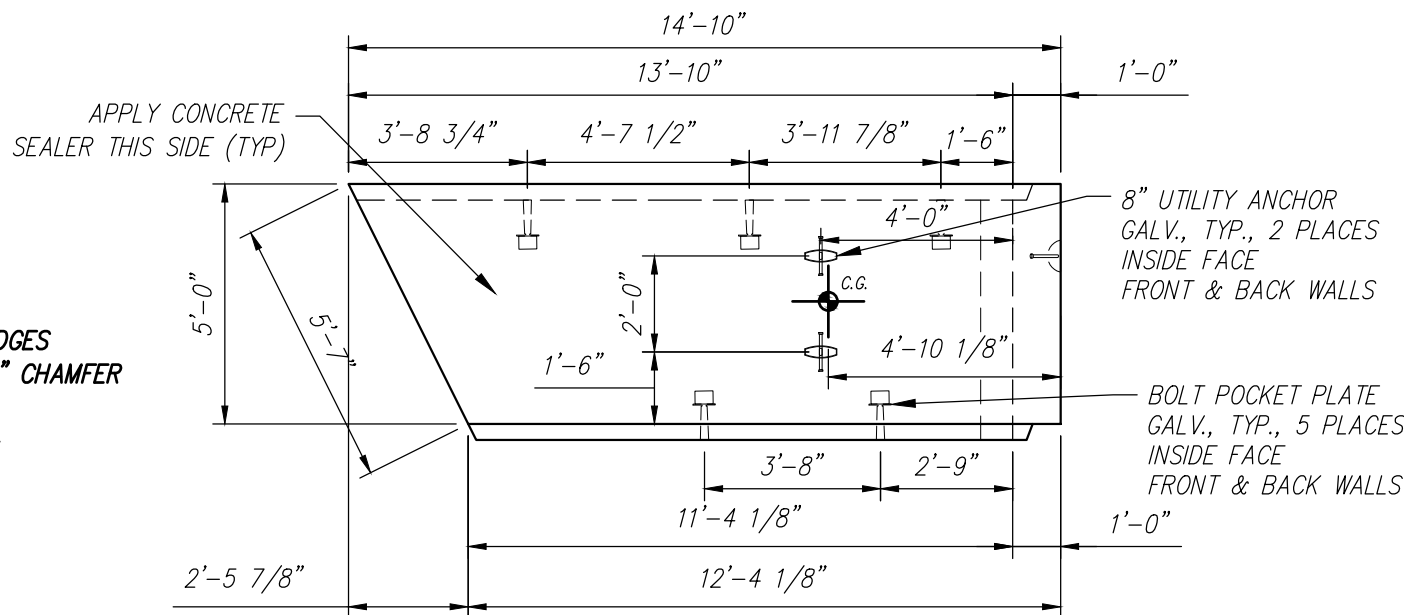
Contractor is to verify that all information shown on drawings has been thoroughly checked, complies with the contract documents and is adequate to meet the field conditions. Some dimensions and details may differ slightly from contract drawings to accommodate the manufacturing or design process. Approval of this drawing indicates that any deviation from the contract documents has been reviewed and found to be acceptable. Production will not commence until receipt of signed, approved shop drawings.		10				This drawing is based upon information provided from the following documents and/or sources: Engineer: MEDOT Project No: N/A Drawings: WHITE TAIL CROSSING BRIDGE SHEET 4 OF 7 Specifications: SPECIAL PROVISION SECTION 534 PRECAST STRUCTURAL CONCRETE Other Sources: N/A		STATE AGENCY MEDOT	STATE OF MAINE WHITE TAIL CROSSING BRIDGE BREWER - EDDINGTON, ME	D	INDIVIDUAL PIECE SHOP DRAWING C8 C24548-C8	REV 1
This drawing contains information proprietary to CONCRETE SYSTEMS, INC. This drawing is disclosed with the understanding that it will be retained in confidence and its use limited solely to the purpose for which it is disclosed. It is understood that no reproduction of this drawing is authorized without permission from CONCRETE SYSTEMS, INC. and that it will be returned to CONCRETE SYSTEMS, INC. upon request.		1	09/14/2021	REVISED REINFORCING	YAA							
		Rev.	Date	DESCRIPTION	By							
				REVISIONS								
FEDERAL AID PROJECT NO. 1891500										Quantity: 13 Project No: WIN 018915.50 SHEET 12 OF 16		

CSI ID#	C9 - BILL OF MATERIALS / EMBEDS		QTY	UM	COMMENTS
	DESCRIPTION				
DTJ	CERTI-VEX PENSEAL 244-100%		1.5	GA	
EM-00126	BOLT POCKET PLATES (GALVANIZED)		10	EA	
EM-00115	8" UTILITY ANCHOR - GALVANIZED		6	EA	
JS-00002	1"X1" CLOSED NEOP GASKET		43.67	FT	AROUND BELL
RM-00015	REBAR #5 BLACK-GR 60 40'		31	LB	
RM-00017	REBAR #6 BLACK-GR 60 40'		581	LB	
RM-00098	WIRE MESH ALL SIZES		1155	LB	TOTAL WEIGHT
MX-FA5000SC30	MIX DESIGN - FLY ASH 5000 SELF COMPACTIN		7.33	CY	

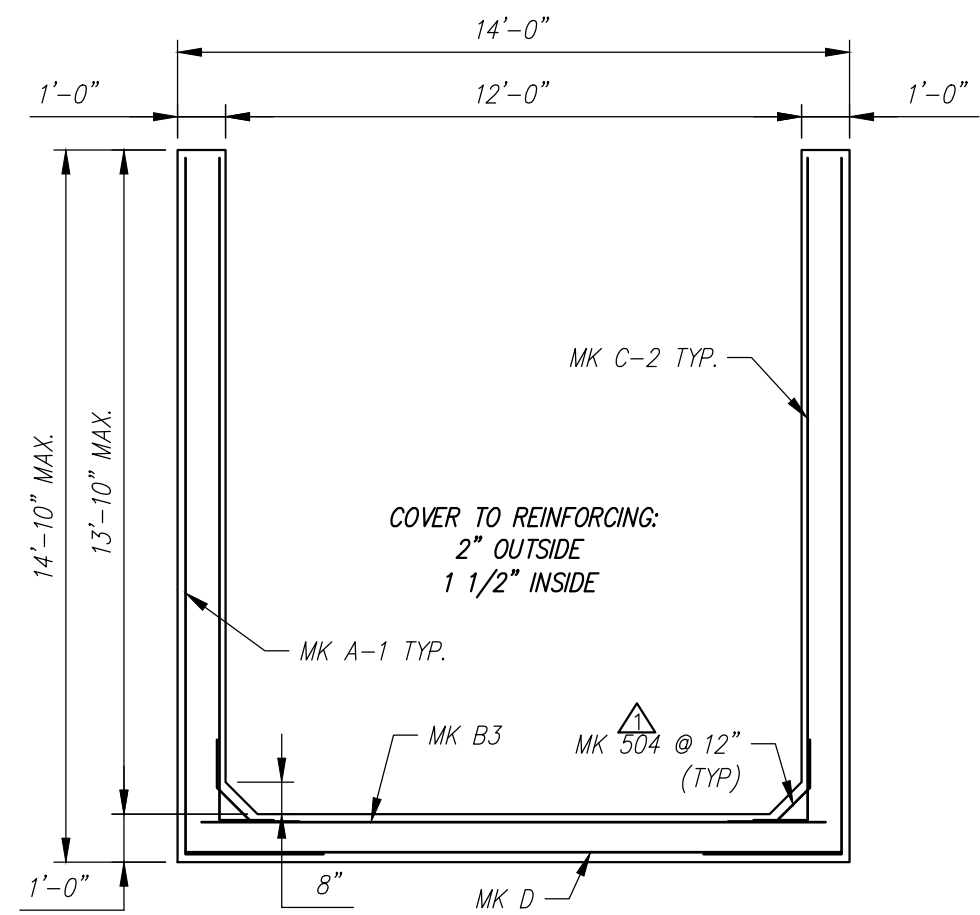
Rebar Schedule			
MK	QTY	LENGTH	
504 #5	10	3' - 0"	
605 #6	22	17' - 7" MAX.	



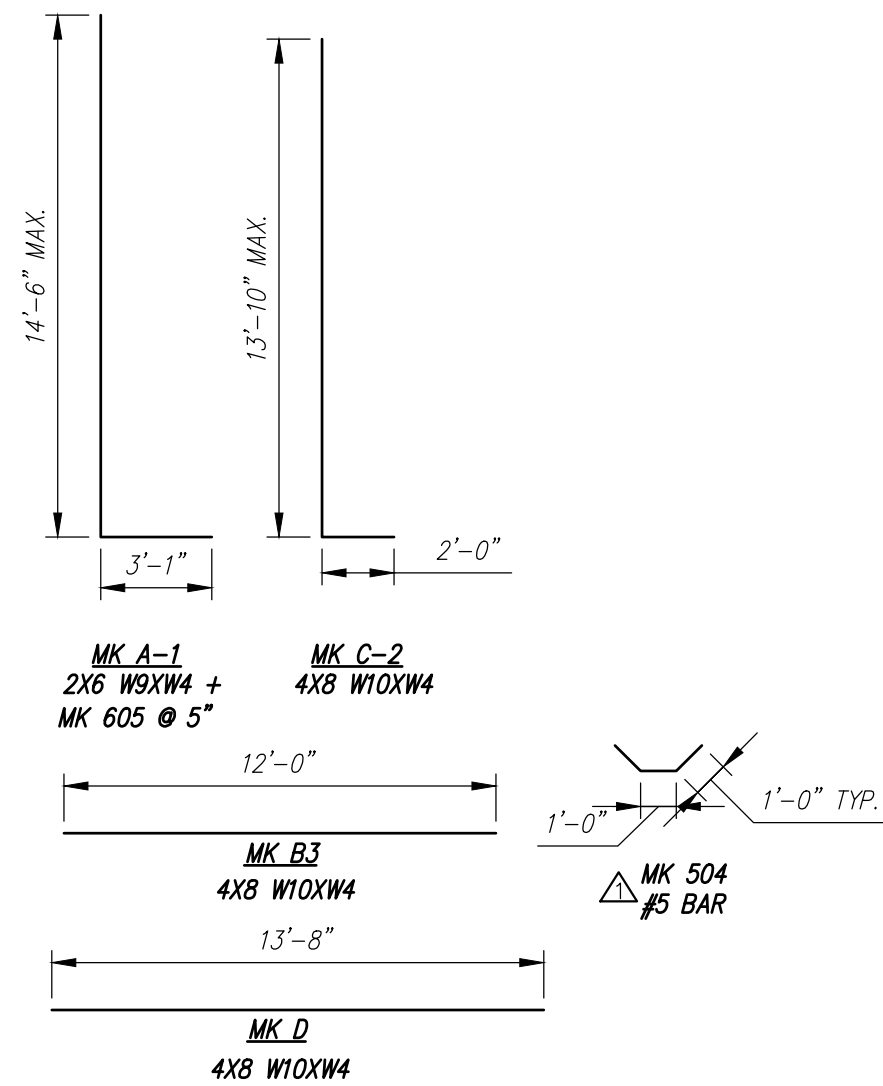
PLAN VIEW
Scale: 1/4" = 1'-0"



SIDE VIEW
Scale: 1/4" = 1'-0"

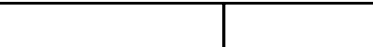


REINFORCING DETAIL
Scale: 1/4" = 1'-0"



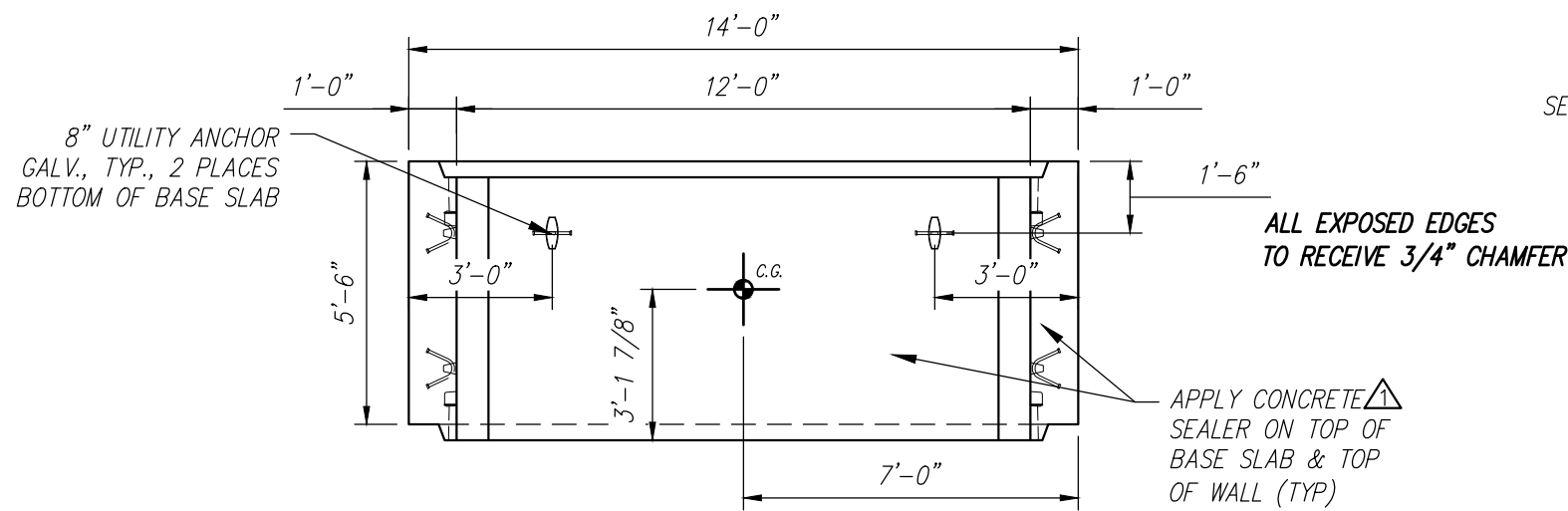
BENDING SCHEDULE
Scale: N.T.S.

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	
<input checked="" type="checkbox"/> REVIEWED	<input type="checkbox"/> REVIEWED WITH COMMENTS
<input type="checkbox"/> REJECTED	<input type="checkbox"/> REVISE AND RESUBMIT
Sep 22, 2021	
THIS DOCUMENT WAS REVIEWED IN ACCORDANCE WITH STATE OF MAINE SPECIFICATION SECTION 105.7 WORKING DRAWINGS	
<i>John H. Hennessey</i>	Transportation Engineer II
NAME	TITLE

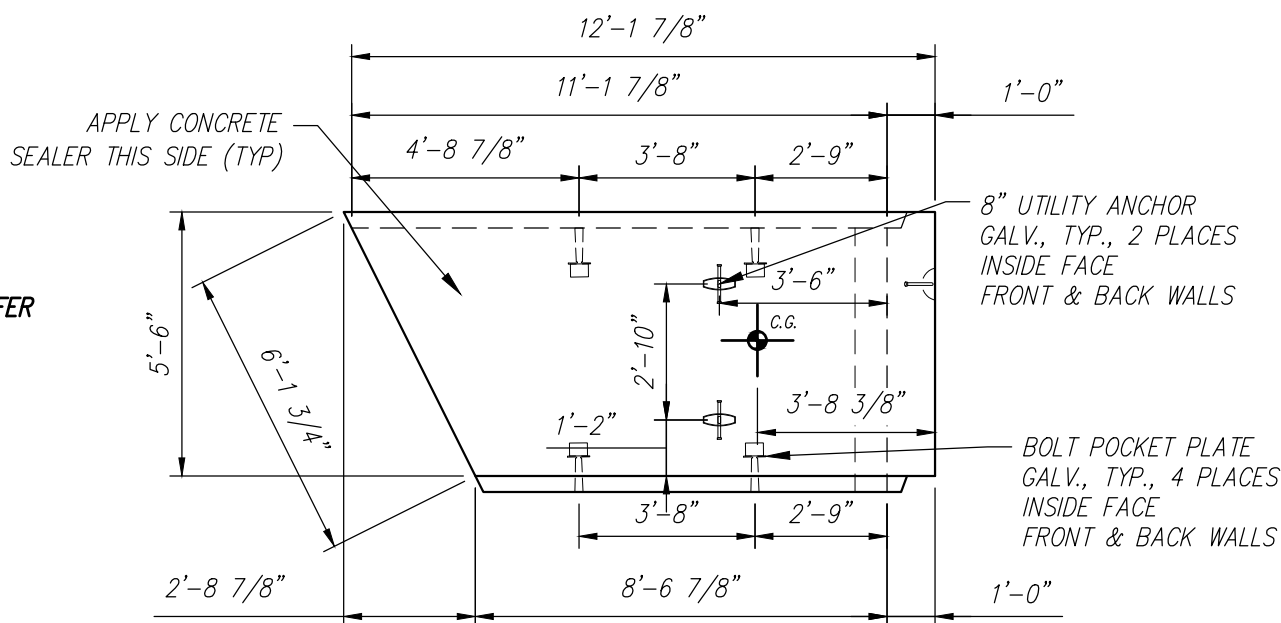
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		9						MEDOT	STATE OF MAINE WHITE TAIL CROSSING BRIDGE BREWER — EDDINGTON, ME								
		8							Drawing No. INDIVIDUAL PIECE SHOP DRAWING C9								
		7								Drawing No. C24548-C9							
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		1	09/14/2021	REVISED REINFORCING	YAA											Drawing No. C24548-C9	
	Rev.	Date	DESCRIPTION	By	Drawing No. C24548-C9												
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C10 - BILL OF MATERIALS / EMBEDS				
CSI ID#	DESCRIPTION	QTY	UM	COMMENTS
DTJ	CERTI-VEX PENSEAL 244-100%	1.5	GA	
EM-00125	BOLT POCKET PLATES (GALVANIZED)	8	EA	
EM-00115	8" UTILITY ANCHOR -GALVANIZED	6	EA	
JS-00002	1"x1"CLOSED NEOP GASKET	38.5	FT	AROUND BELL
RM-00015	REBAR #5 BLACK-GR 60 40'	38	LB	
RM-00017	REBAR #6 BLACK-GR 60 40'	589	LB	
RM-00098	WIRE MESH ALL SIZES	1031	LB	TOTAL WEIGHT
MX-FA5000SC30	MIX DESIGN - FLY ASH 5000 SELF COMPACTIN	7.00	CY	

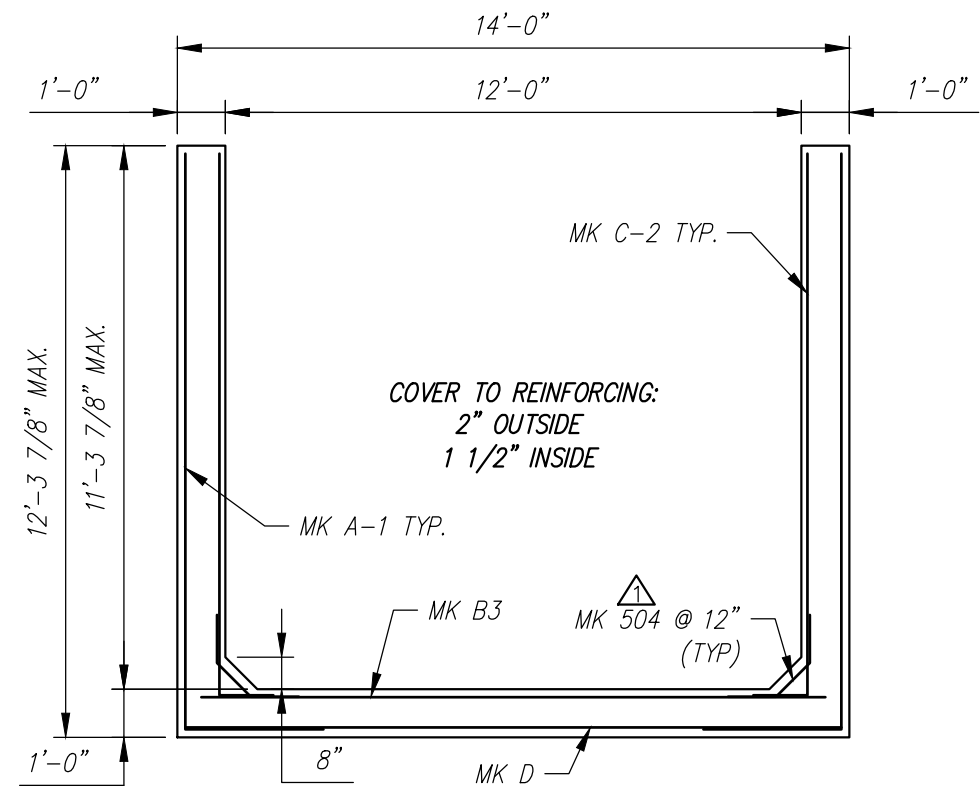
Rebar Schedule			
MK	QTY	LENGTH	
504 #5	12	3' - 0"	
606 #6	26	15' - 1"	MAX.



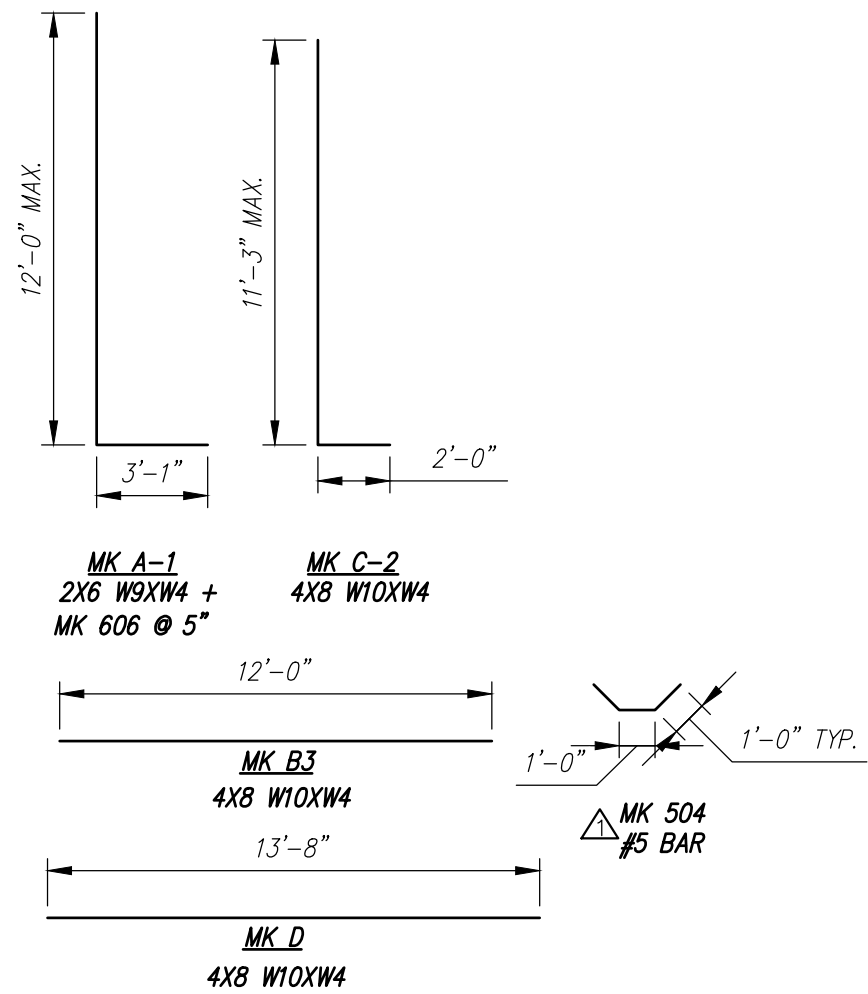
PLAN VIEW
Scale: 1/4" = 1'-0"



SIDE VIEW
Scale: 1/4" = 1'-0"



REINFORCING DETAIL
Scale: 1/4" = 1'-0"



BENDING SCHEDULE
Scale: N.T.S.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

☒ REVIEWED
☐ REJECTED

☐ REVIEWED WITH COMMENTS
☐ REVISE AND RESUBMIT


Sep 22, 2021

THIS DOCUMENT WAS REVIEWED IN ACCORDANCE WITH STATE OF MAINE SPECIFICATION SECTION 16.7 WORKING DRAWINGS

Transportation Engineer II

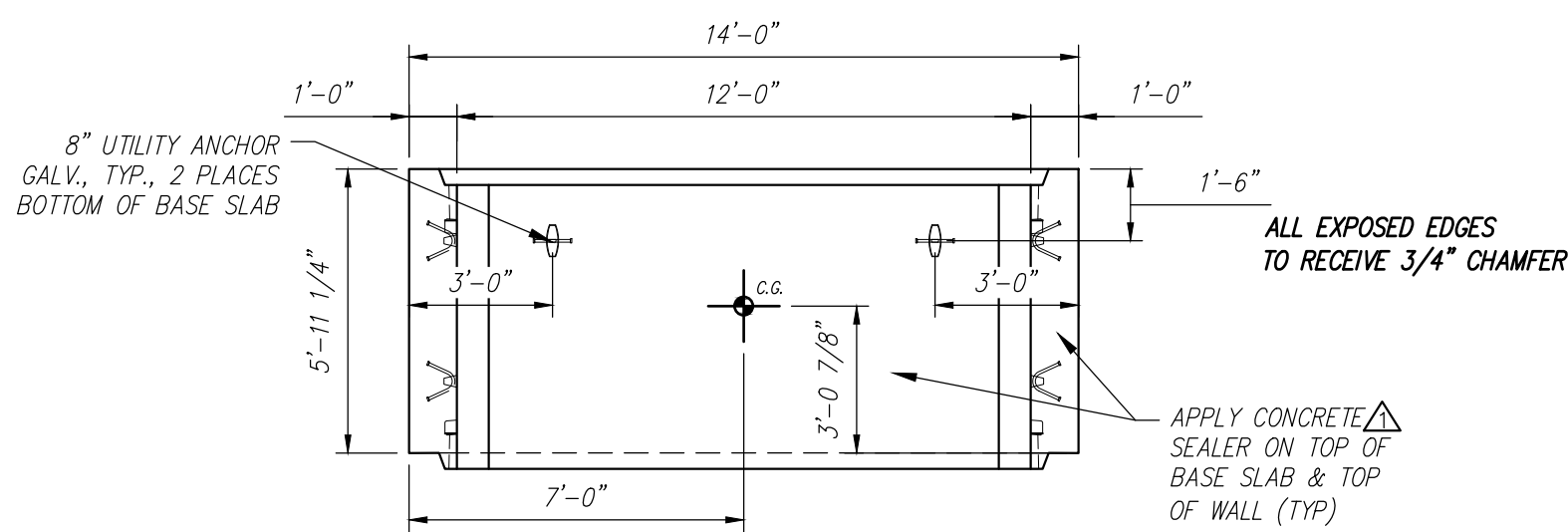
NAME

TITLE

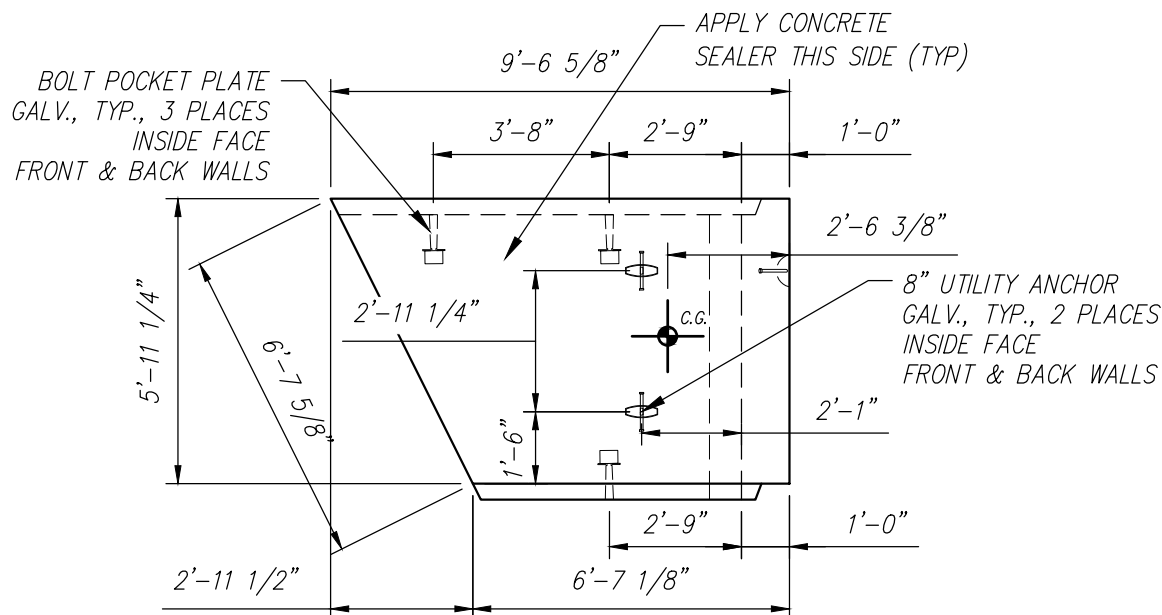
Contractor is to verify that all information shown on drawings has been thoroughly checked, complies with the contract documents and is adequate to meet the field conditions. Some dimensions and details may differ slightly from contract drawings to accommodate the manufacturing or design process. Approval of this drawing indicates that any deviation from the contract documents has been reviewed and found to be acceptable. Production will not commence until receipt of signed, approved shop drawings.		10				This drawing is based upon information provided from the following documents and/or sources: Engineer: MEDOT Project No: N/A Drawings: WHITE TAIL CROSSING BRIDGE SHEET 4 OF 7 Specifications: SPECIAL PROVISION SECTION 534 PRECAST STRUCTURAL CONCRETE Other Sources: N/A	 Concrete Systems Inc. 9 Commercial St., Hudson, NH 03051 Phone 603-889-4163 Fax 603-889-2417	STATE AGENCY		STATE OF MAINE WHITE TAIL CROSSING BRIDGE BREWER — EDDINGTON, ME					
		9						MEDOT							
		8													
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		6													
		5													
		4													
		3													
		2													
		1	09/14/2021	REVISED REINFORCING	YAA										
This drawing contains information proprietary to CONCRETE SYSTEMS, INC. This drawing is disclosed with the understanding that it will be retained in confidence and its use limited solely to the purpose for which it is disclosed. It is understood that no reproduction of this drawing is authorized without permission from CONCRETE SYSTEMS, INC. and that it will be returned to CONCRETE SYSTEMS, INC. upon request.	Rev.	Date	DESCRIPTION	By											
	REVISIONS														
							Drawn By YAA		Date 08/17/2021	D		INDIVIDUAL PIECE SHOP DRAWING C10		REV 1	
							Reviewed By YAA		Date 08/18/2021	Drawing No. C24548—C10					
							Approved By		Date	Quantity: 1		Project No: WIN 018915.50		SHEET 14 OF 16	

C11 - BILL OF MATERIALS / EMBEDS				
CSI ID#	DESCRIPTION	QTY	UM	COMMENTS
DTJ	CERTI-VEX PENSEAL 244-100%	1.3	GA	
EM-00125	BOLT POCKET PLATES (GALVANIZED)	6	EA	
EM-00115	8" UTILITY ANCHOR -GALVANIZED	6	EA	
JS-00002	1"X1"CLOSED NEOP GASKET	33	FT	AROUND BELL
RM-00015	REBAR #5 BLACK-GR 60 40'	38	LB	
RM-00017	REBAR #6 BLACK-GR 60 40'	515	LB	
RM-00098	WIRE MESH ALL SIZES	858	LB	TOTAL WEIGHT
MX-FA5000SC30	MIX DESIGN - FLY ASH 5000 SELF COMPACTIN	6.30	CY	

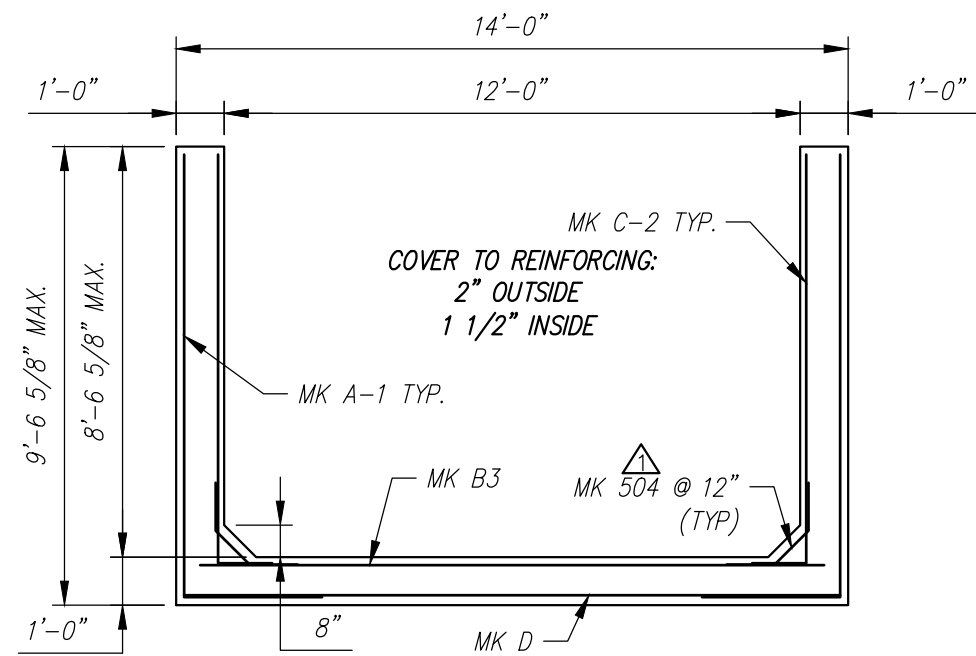
Rebar Schedule		
MK	QTY	LENGTH
504 #5	12	3'-0"
607 #6	28	12'-3" MAX.



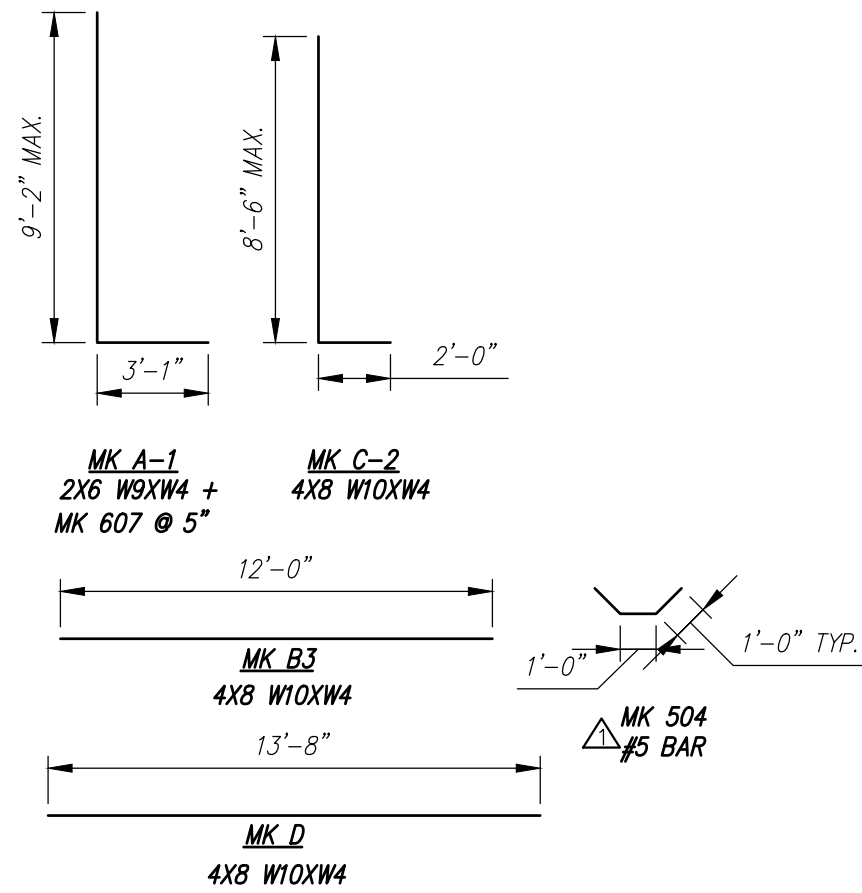
PLAN VIEW
Scale: 1/4" = 1'-0"



SIDE VIEW
Scale: 1/4" = 1'-0"



REINFORCING DETAIL
Scale: 1/4" = 1'-0"



BENDING SCHEDULE
Scale: N.T.S.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
☒ REVIEWED ☐ REVIEWED WITH COMMENTS
☐ REJECTED ☐ REVISE AND RESUBMIT

Sep 22, 2021

THIS DOCUMENT WAS REVIEWED IN ACCORDANCE WITH STATE
OF MAINE SPECIFICATION SECTION 105.7 WORKING DRAWINGS

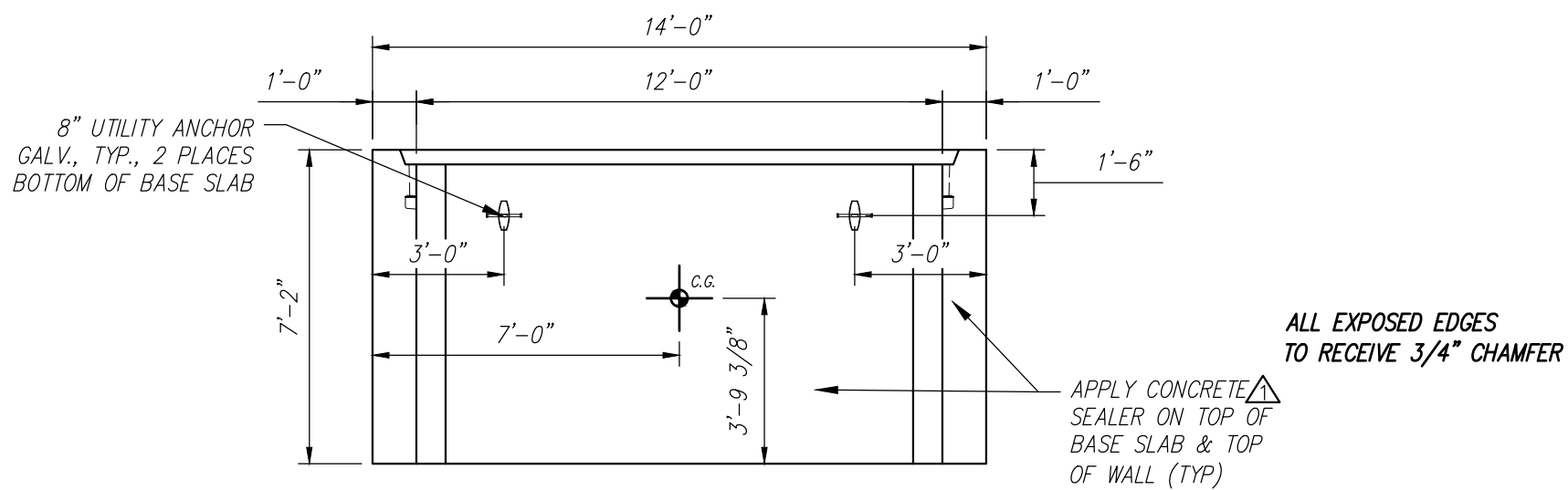
NAME

TITLE

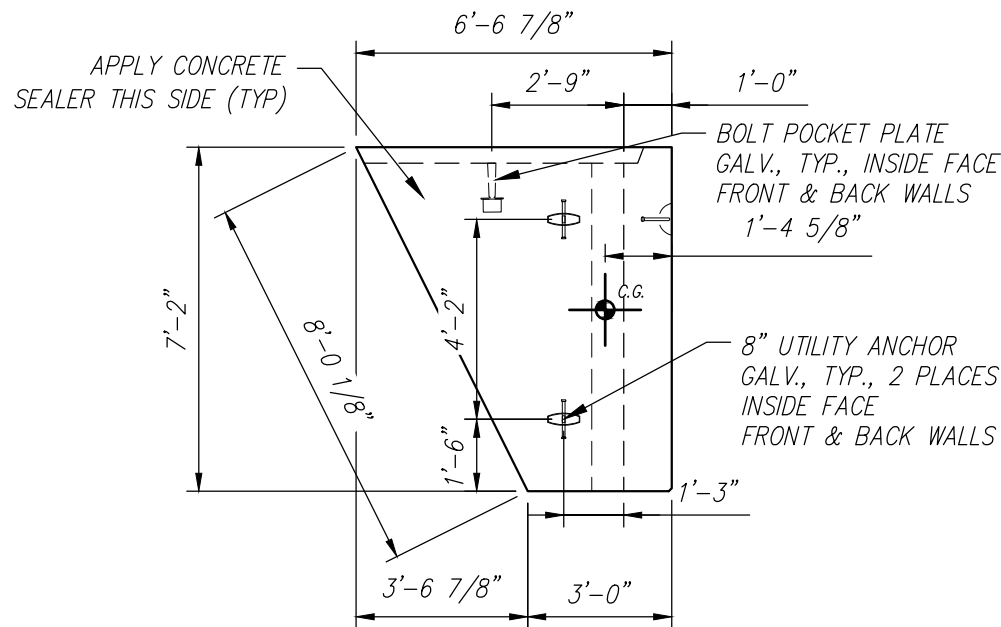
Contractor is to verify that all information shown on drawings has been thoroughly checked, complies with the contract documents and is adequate to meet the field conditions. Some dimensions and details may differ slightly from contract drawings to accommodate the manufacturing or design process. Approval of this drawing indicates that any deviation from the contract documents has been reviewed and found to be acceptable. Production will not commence until receipt of signed, approved shop drawings.	10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	</
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C12 - BILL OF MATERIALS / EMBEDS				
CSI ID#	DESCRIPTION	QTY	UM	COMMENTS
DTJ	CERTI-VEX PENSEAL 244-100%	1.2	GA	
EM-00125	BOLT POCKET PLATES (GALVANIZED)	4	EA	
EM-00033	3" FOAM CORE PVC	7	FT	
EM-000115	8" UTILITY ANCHOR - GALVANIZED	6	EA	
JS-00002	1"X1"CLOSED NEOP GASKET	27.17	FT	AROUND BELL
RM-00015	REBAR #5 BLACK-GR 60 40'	44	LB	
RM-00017	REBAR #6 BLACK-GR 60 40'	481	LB	
RM-00098	WIRE MESH ALL SIZES	655	LB	TOTAL WEIGHT
MX-FA5000SC30	MIX DESIGN - FLY ASH 5000 SELF COMPACTIN	5.68	CY	

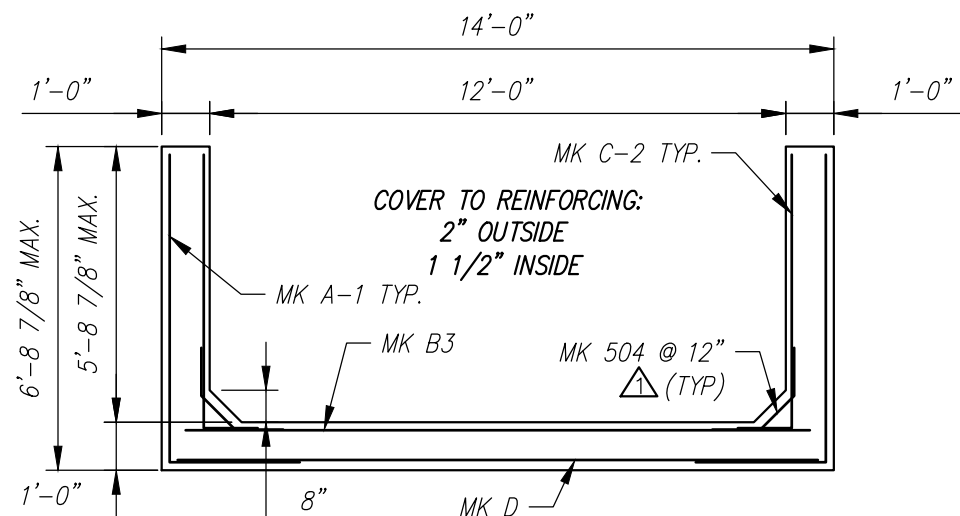
Rebar Schedule				
MK	QTY	LENGTH		
504 #5	14	3	1	0 "
601 #6	34	9	1	5 " MAX.



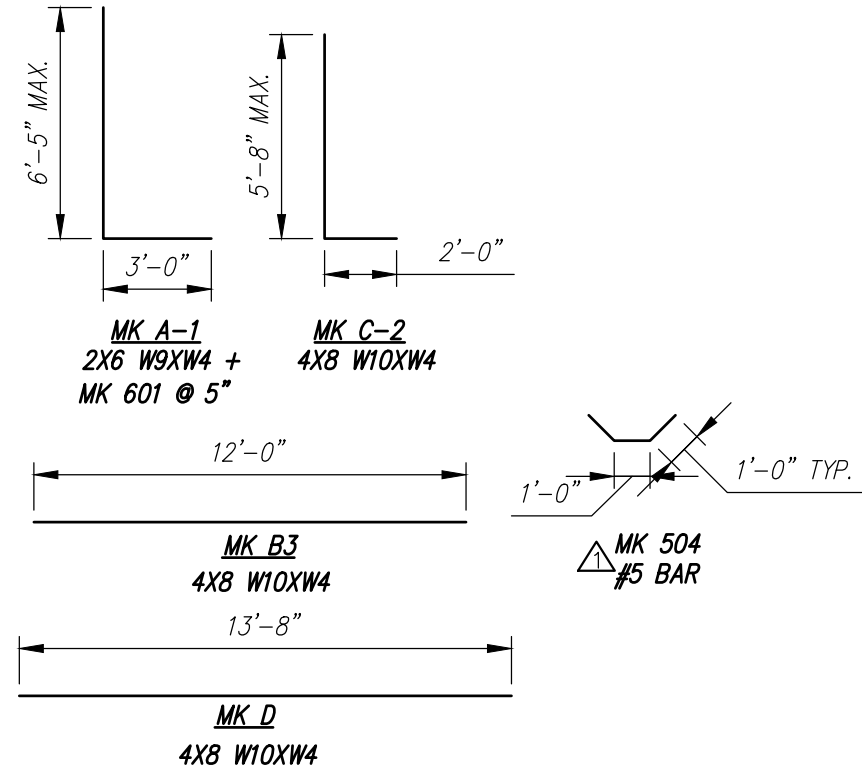
PLAN VIEW
Scale: 1/4" = 1'-0"



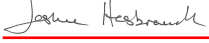
SIDE VIEW
Scale: 1/4" = 1'-0"

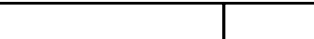


REINFORCING DETAIL
Scale: 1/4" = 1'-0"



BENDING SCHEDULE
Scale: N.T.S.

STATE OF MAINE DEPARTMENT OF TRANSPORTATION
<input checked="" type="checkbox"/> REVIEWED <input type="checkbox"/> REVIEWED WITH COMMENTS
<input type="checkbox"/> REJECTED <input type="checkbox"/> REVISE AND RESUBMIT
Sep 22, 2021
THIS DOCUMENT WAS REVIEWED IN ACCORDANCE WITH STATE OF MAINE SPECIFICATION SECTION 105.7 WORKING DRAWINGS
 Transportation Engineer II
NAME TITLE

Contractor is to verify that all information shown on drawings has been thoroughly checked, complies with the contract documents and is adequate to meet the field conditions. Some dimensions and details may differ slightly from contract drawings to accommodate the manufacturing or design process. Approval of this drawing indicates that any deviation from the contract documents has been reviewed and found to be acceptable. Production will not commence until receipt of signed, approved shop drawings.		10					This drawing is based upon information provided from the following documents and/or sources: Engineer: MEDOT Project No: N/A Drawings: WHITE TAIL CROSSING BRIDGE SHEET 4 OF 7 Specifications: SPECIAL PROVISION SECTION 534 PRECAST STRUCTURAL CONCRETE Other Sources: N/A	 Concrete Systems Inc. 9 Commercial St., Hudson, NH, 03051 Phone 603-889-4163 Fax 603-889-2417	STATE AGENCY		FEDERAL AID PROJECT NO. 1891500			
	This drawing contains information proprietary to CONCRETE SYSTEMS, INC. This drawing is disclosed with the understanding that it will be retained in confidence and its use limited solely to the purpose for which it is disclosed. It is understood that no reproduction of this drawing is authorized without permission from CONCRETE SYSTEMS, INC. and that it will be returned to CONCRETE SYSTEMS, INC. upon request.		9							MEDOT	STATE OF MAINE WHITE TAIL CROSSING BRIDGE BREWER — EDDINGTON, ME			
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		1	09/14/2021	REVISED REINFORCING & REMOVE 3"Ø HOLE IN BASE SLAB	YAA									
	Rev.	Date	DESCRIPTION	By										
			REVISIONS											
									Drawn By YAA	Date 08/17/2021	D	INDIVIDUAL PIECE SHOP DRAWING C12	REV 1	
								Reviewed By YAA	Date 08/18/2021	Drawing No. C24548-C12				
								Approved By	Date	Quantity: 1				Project No: WIN 018915.50