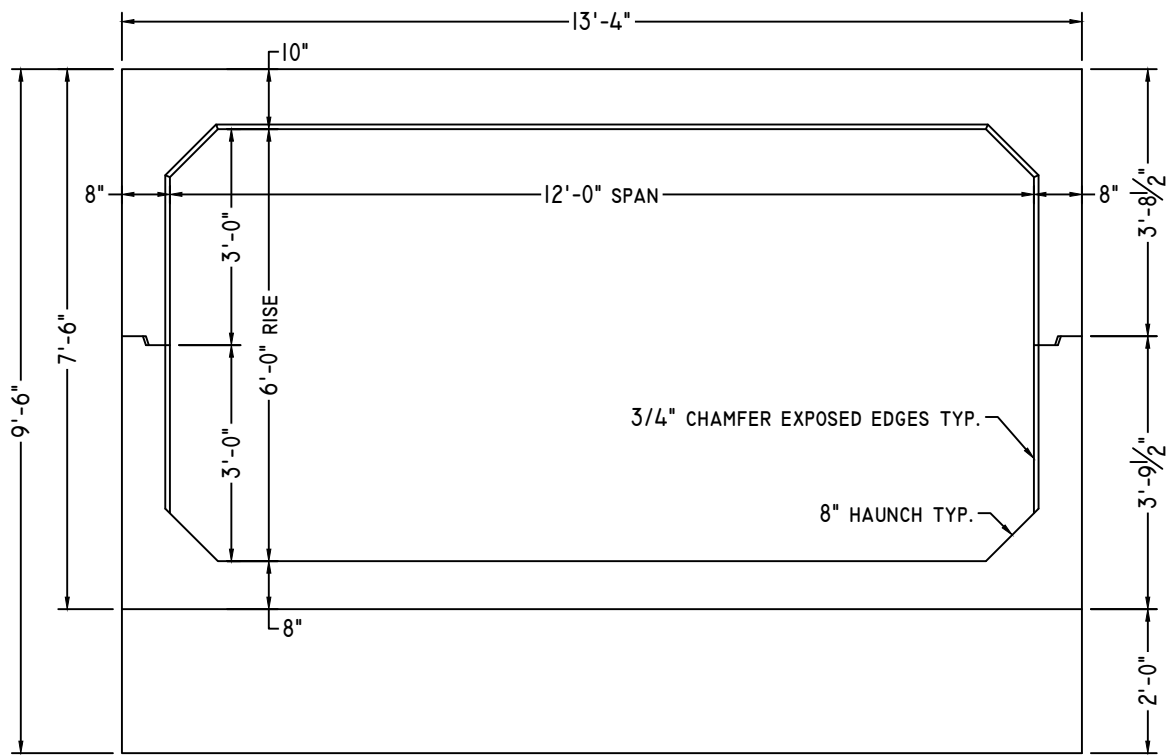
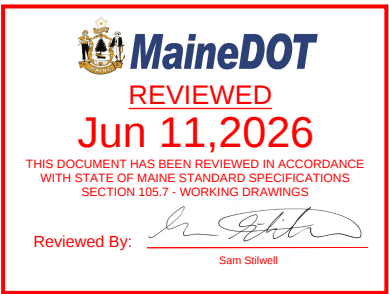
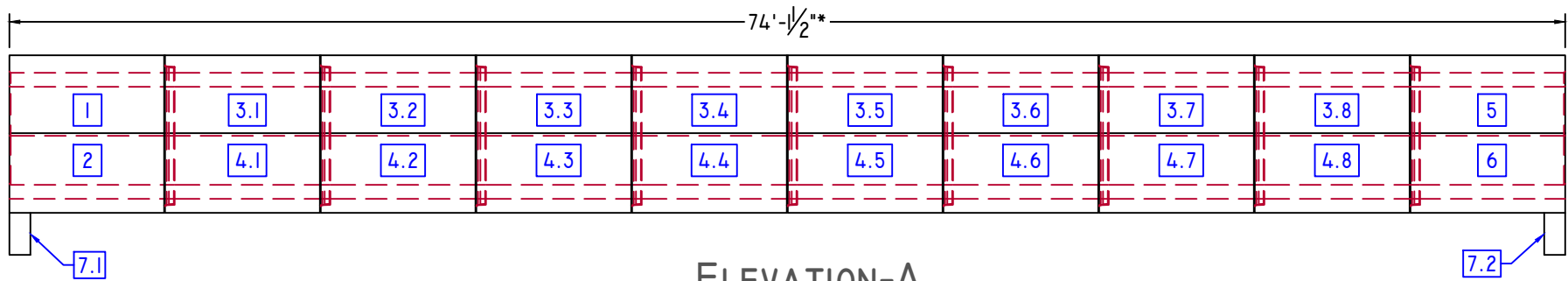
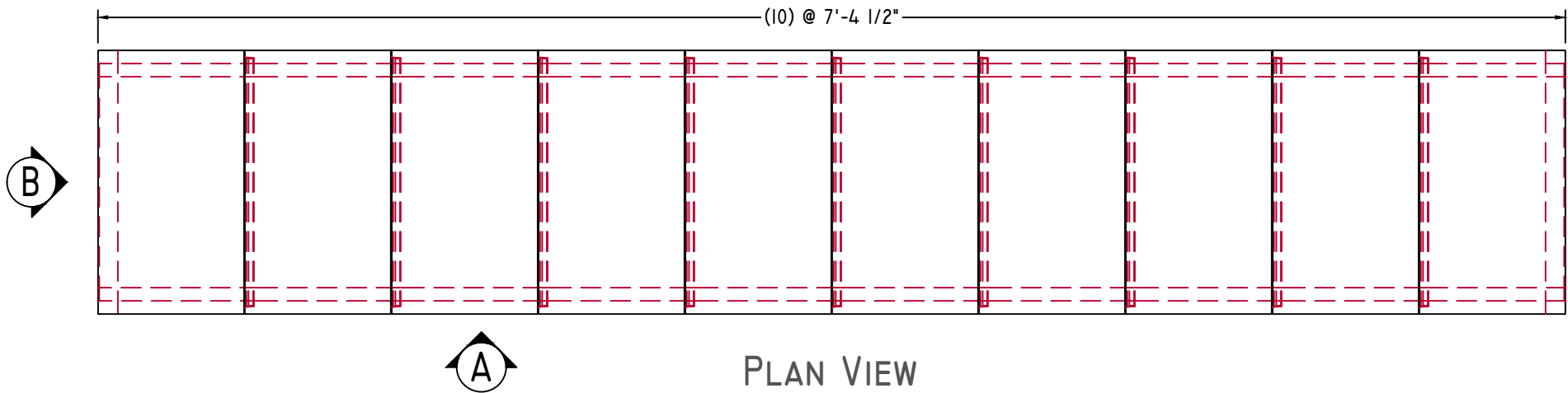




STANTEC PROJECT # 195311735 SUBMITTAL # 00

This review by Stantec is for general conformance with the design concept of Stantec's design of the:

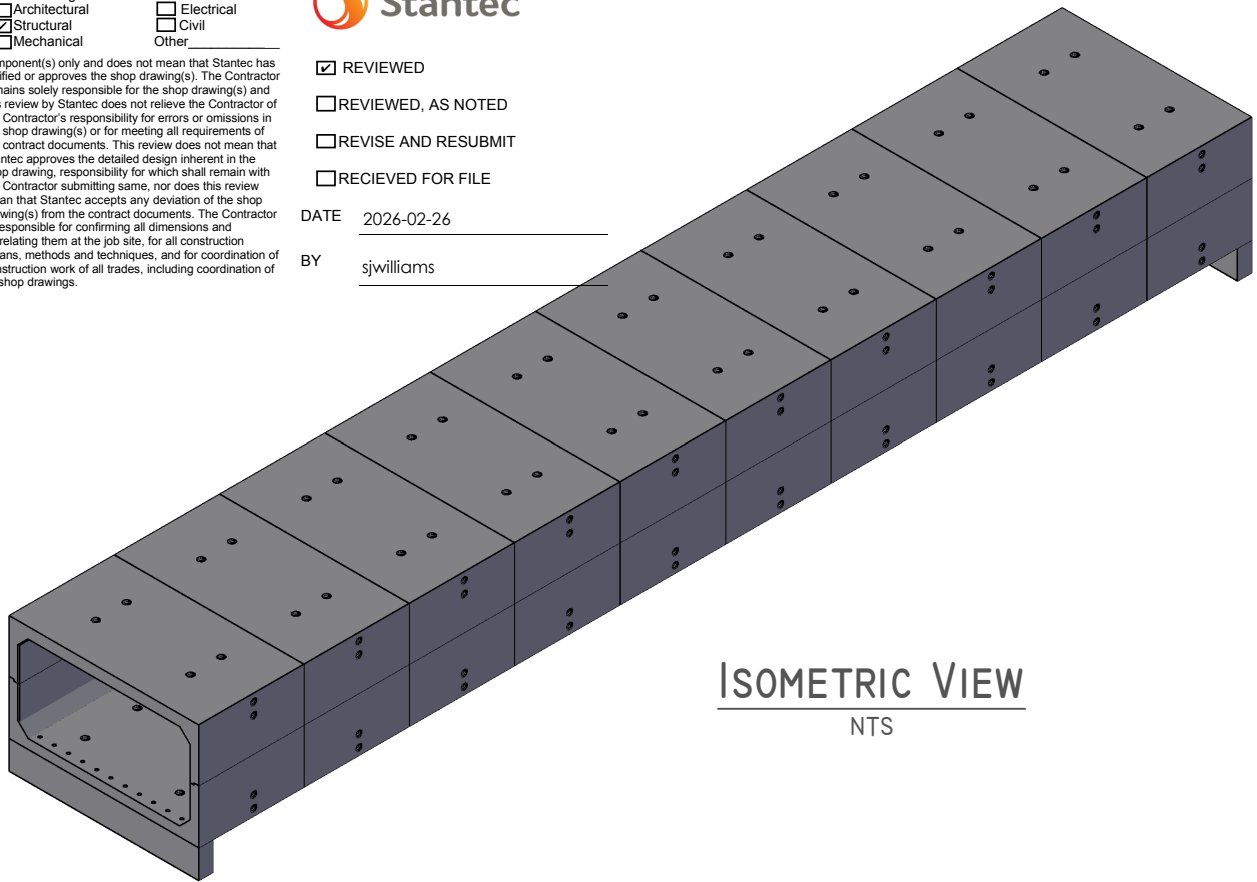
☐ Architectural ☐ Electrical
☒ Structural ☐ Civil
☐ Mechanical ☐ Other

component(s) only and does not mean that Stantec has verified or approves the shop drawing(s). The Contractor remains solely responsible for the shop drawing(s) and this review by Stantec does not relieve the Contractor of the Contractor's responsibility for errors or omissions in the shop drawing(s) or for meeting all requirements of the contract documents. This review does not mean that Stantec approves the detailed design inherent in the shop drawing, responsibility for which shall remain with the Contractor submitting same, nor does this review mean that Stantec accepts any deviation of the shop drawing(s) from the contract documents. The Contractor is responsible for confirming all dimensions and correlating them at the job site, for all construction means, methods and techniques, and for coordination of construction work of all trades, including coordination of all shop drawings.

☒ REVIEWED
☐ REVIEWED, AS NOTED
☐ REVISE AND RESUBMIT
☐ RECIEVED FOR FILE

DATE 2026-02-26
BY sjwilliams

Stantec



 American Concrete Industries 1717 STILLWATER AVE. VEAZIE, ME. 04401 TEL: 207-947-8334 FAX: 207-947-3580 WWW.AMERICANCONCRETE.COM			
BILL OF MATERIALS			
ITEM	QTY	DESCRIPTION	WEIGHT# EA
1	1	UPSTREAM END TOP	17,420
2	1	UPSTREAM END BOTTOM	15,115
3	8	MID SECTION TOP	17,040
4	8	MID SECTION BOTTOM	14,765
5	1	DOWNSTREAM END TOP	16,685
6	1	DOWNSTREAM END BOTTOM	14,380
7	2	1' x 2' x 13'-4" TOEWALL	3,890
8	22	#8 x 18" TOEWALL PIN (SHIPPED LOOSE)	
DESIGN NOTES: 1. Concrete 1.1. COMP. STRENGTH MIN. 5,000PSI @ 28 DAYS 1.2. AIR-ENTRAINMENT: 5% MIN - 8% MAX 2. Structural Reinforcement: 2.1. BAR PER ASTM A615, GRADE 60 2.2. WWF PER ASTM A1064, GRADE 75 2.3. SUPPLEMENTAL REINFORCING AS SHOWN 2.4. DESIGNED FOR 125% HL-93 WHEEL LOAD RATING 2.5. 2" CLR EXT., 1 1/2" CLR INT. UNLESS NOTED OTHERWISE 3. Manufacturing / Installation: 3.1. *PROJECTED LENGTH WHEN FACTORING 1/2" GROWTH PER JOINT 3.2. JOINTS SEALED WITH BUTYL RUBBER SEALANT. 3.3. ALL JOINTS FILLED W/ NON-SHRINK GROUT AFTER INSTALLATION. 4. Soil / Fill Requirements: MINIMUM ALLOWABLE FILL: 4.00' MAXIMUM ALLOWABLE FILL: 5.25'			
NOTE: Some details not shown for clarity. SCALE: 1/8" = 1'-0" Unless noted otherwise.			
STRUCTURE NAME: 12' x 6' x 74' CLAMSHELL CULVERT			
JOB NAME: FOREST AVE. (WIN: 27196.10)			
LOCATION: ORONO, ME			
CONTRACTOR: ME DOT			
DRAWN BY: SSM	DATE: 02/09/2026	C2.0	
REV.#: 0.00	DATE: 02/09/2026		

UPSTREAM END



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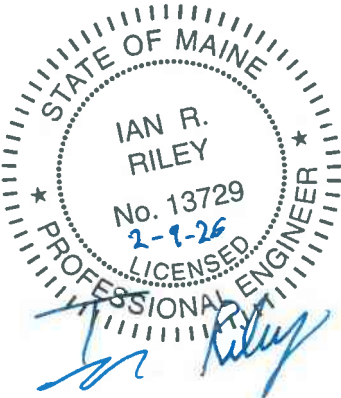
BILL OF MATERIALS

ITEM	QTY	DESCRIPTION	WEIGHT# EA
1	1	UPSTREAM END TOP	17,420
2	1	UPSTREAM END BOTTOM	15,115

- DESIGN NOTES:
- Concrete
 - COMP. STRENGTH MIN. 5,000PSI @ 28 DAYS
 - AIR-ENTRAINMENT: 5% MIN - 8% MAX
 - Structural Reinforcement:
 - BAR PER ASTM A615, GRADE 60
 - WWF PER ASTM A1064, GRADE 75
 - SUPPLEMENTAL REINFORCING AS SHOWN
 - DESIGNED FOR 125% HL-93 WHEEL LOAD RATING
 - 2" CLR EXT., 1 1/2" CLR INT. UNLESS NOTED OTHERWISE
 - Manufacturing / Installation:
 - *PROJECTED LENGTH WHEN FACTORING 1/2" GROWTH PER JOINT
 - JOINTS SEALED WITH BUTYL RUBBER SEALANT.
 - ALL JOINTS FILLED W/ NON-SHRINK GROUT AFTER INSTALLATION.
 - Soil / Fill Requirements:

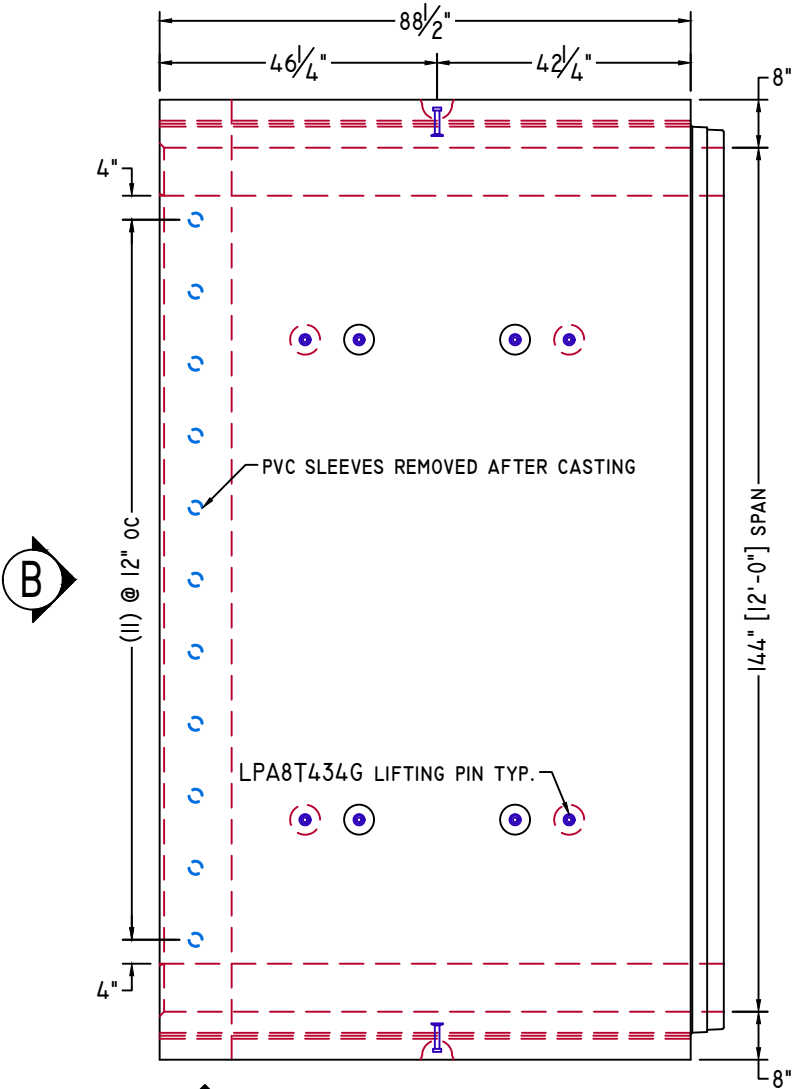
MINIMUM ALLOWABLE FILL: 4.00'

MAXIMUM ALLOWABLE FILL: 5.25'

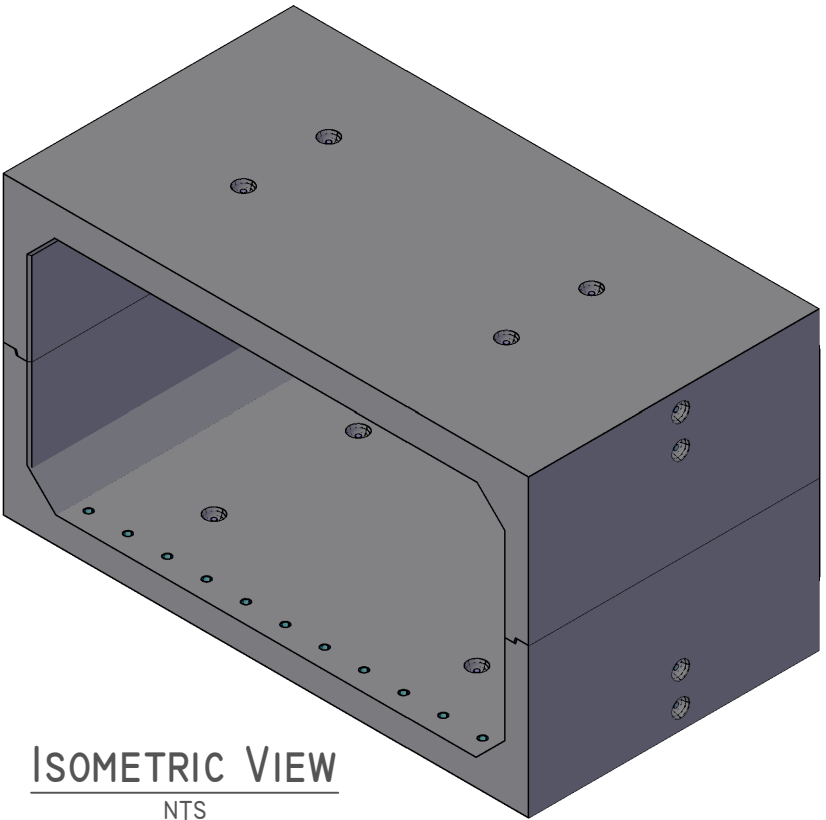


NOTE: Some details not shown for clarity.
SCALE: 3/8" = 1'-0" Unless noted otherwise.

STRUCTURE NAME: 12' X 6' X 74' CLAMSHELL CULVERT		
JOB NAME: FOREST AVE. (WIN: 27196.10)		
LOCATION: ORONO, ME		
CONTRACTOR: ME DOT		
DRAWN BY: SSM	DATE: 02/09/2026	C2.1
REV.#: 0.00	DATE: 02/09/2026	

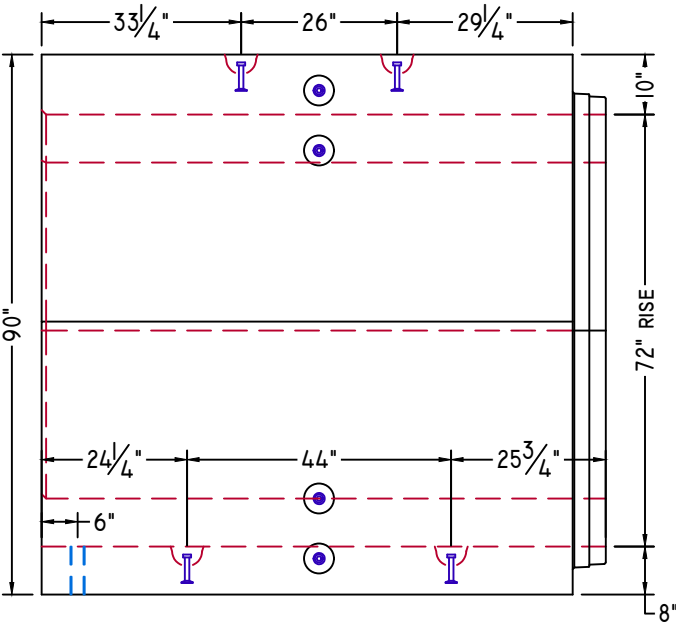


PLAN VIEW

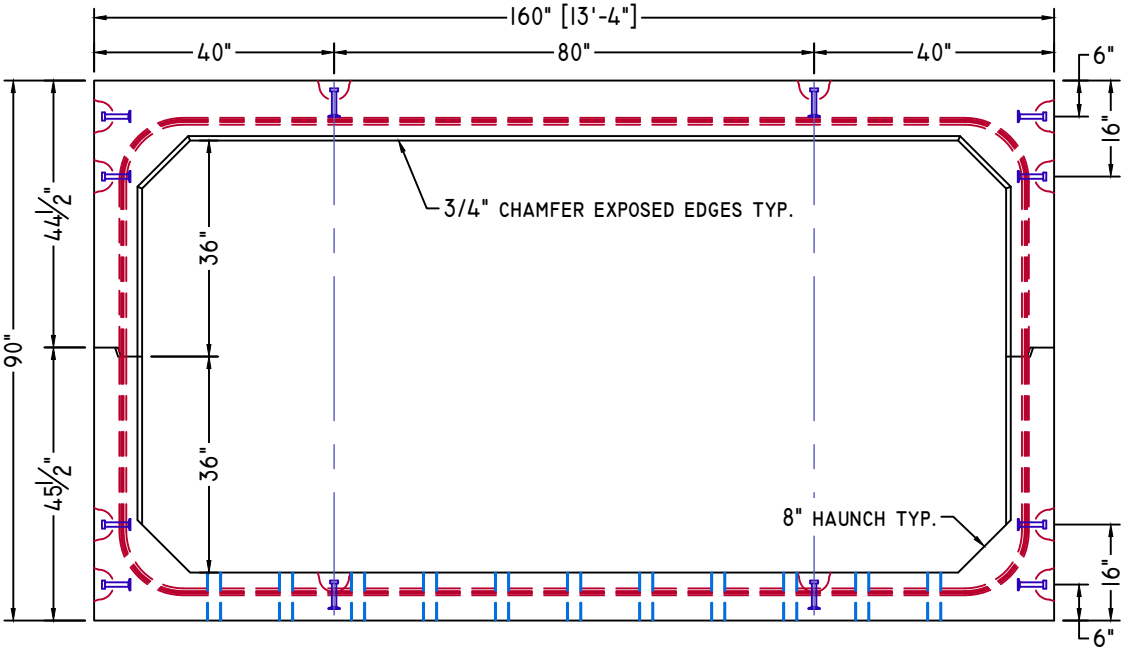


ISOMETRIC VIEW

NTS



ELEVATION-A



ELEVATION-B

MID SECTION



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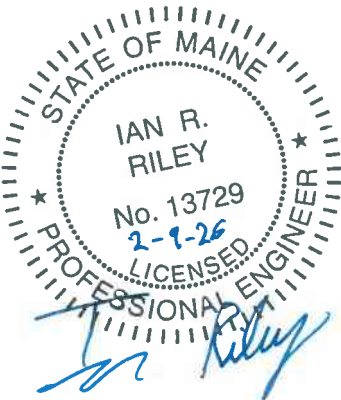
BILL OF MATERIALS

ITEM	QTY	DESCRIPTION	WEIGHT# EA
3	8	MID SECTION TOP	17,040
4	8	MID SECTION BOTTOM	14,765

- DESIGN NOTES:
- Concrete
 - COMP. STRENGTH MIN. 5,000PSI @ 28 DAYS
 - AIR-ENTRAINMENT: 5% MIN - 8% MAX
 - Structural Reinforcement:
 - BAR PER ASTM A615, GRADE 60
 - WWF PER ASTM A1064, GRADE 75
 - SUPPLEMENTAL REINFORCING AS SHOWN
 - DESIGNED FOR 125% HL-93 WHEEL LOAD RATING
 - 2" CLR EXT., 1 1/2" CLR INT. UNLESS NOTED OTHERWISE
 - Manufacturing / Installation:
 - *PROJECTED LENGTH WHEN FACTORING 1/2" GROWTH PER JOINT
 - JOINTS SEALED WITH BUTYL RUBBER SEALANT.
 - ALL JOINTS FILLED W/ NON-SHRINK GROUT AFTER INSTALLATION.
 - Soil / Fill Requirements:

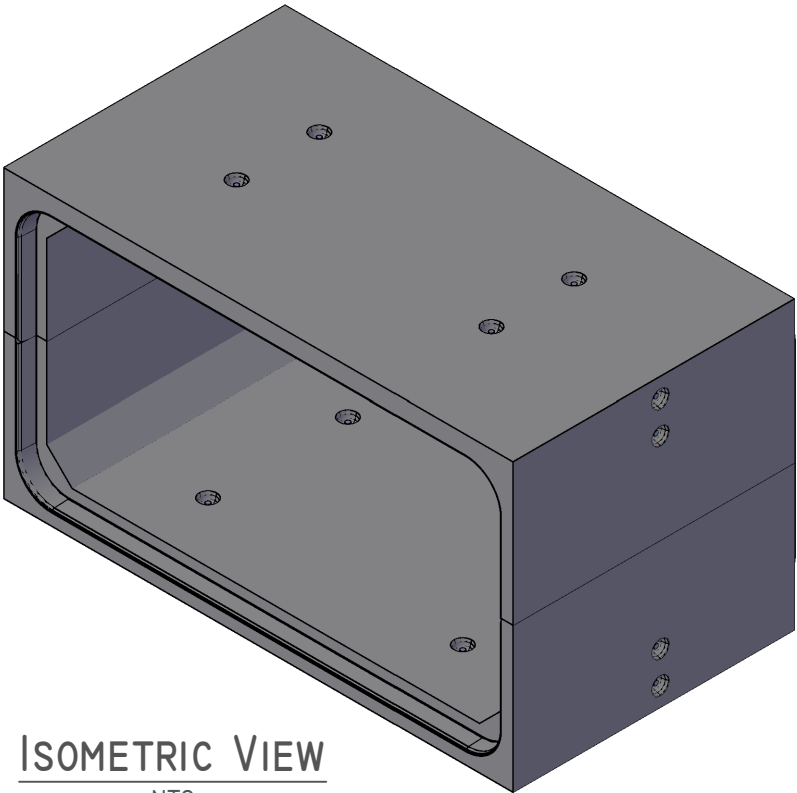
MINIMUM ALLOWABLE FILL: 4.00'

MAXIMUM ALLOWABLE FILL: 5.25'



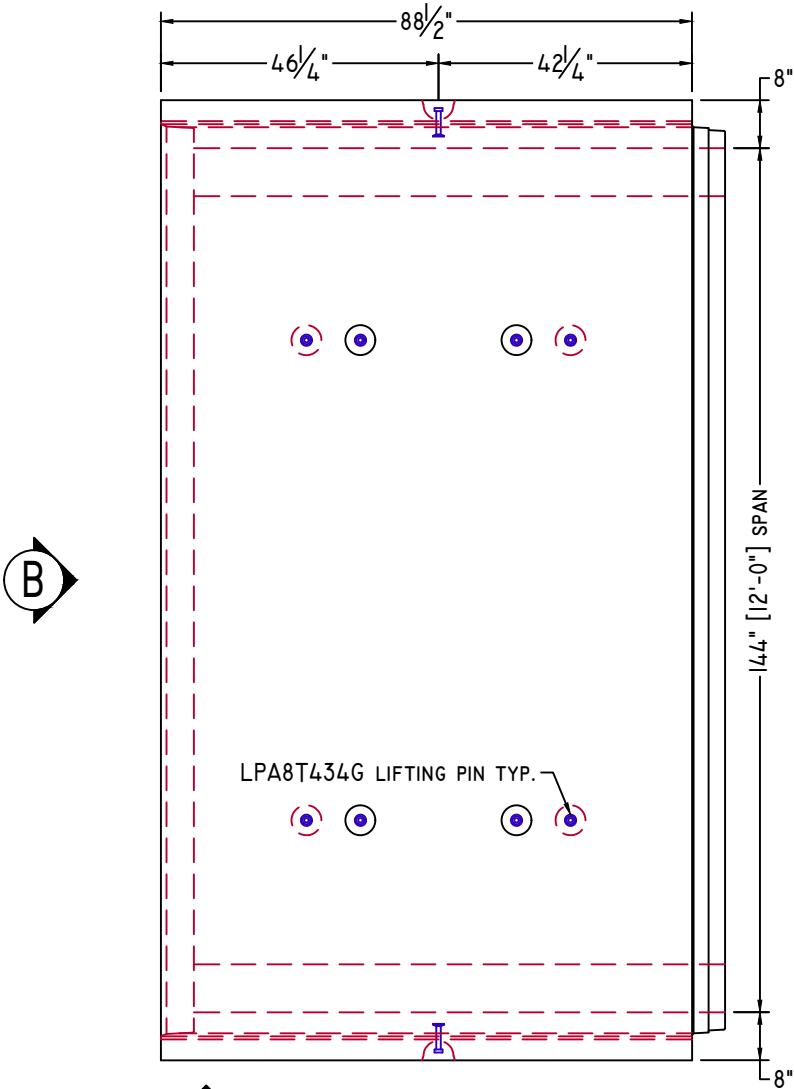
NOTE: Some details not shown for clarity.
SCALE: 3/8" = 1'-0" Unless noted otherwise.

STRUCTURE NAME: 12' X 6' X 74' CLAMSHELL CULVERT		
JOB NAME: FOREST AVE. (WIN: 27196.10)		
LOCATION: ORONO, ME		
CONTRACTOR: ME DOT		
DRAWN BY: SSM	DATE: 02/09/2026	C2.2
REV.#: 0.00	DATE: 02/09/2026	

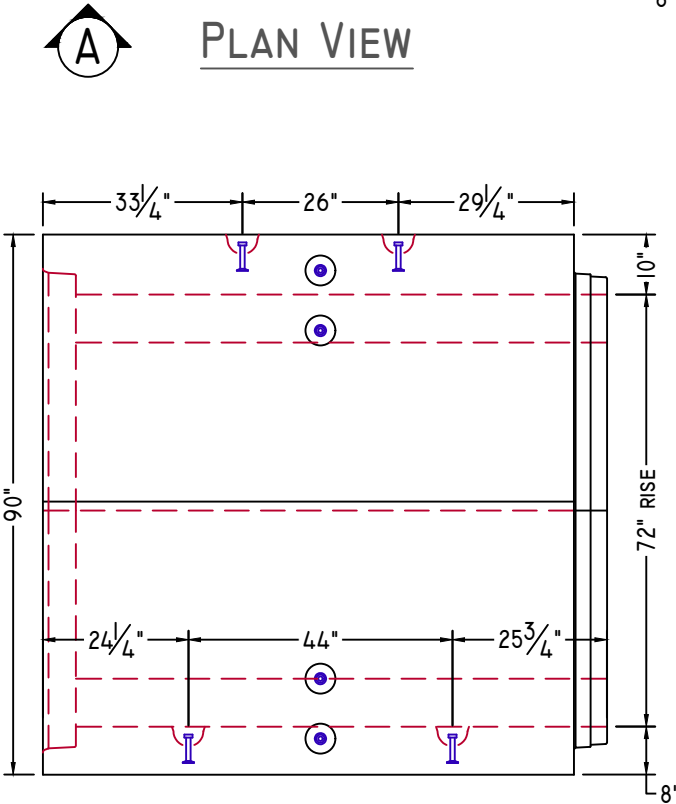


ISOMETRIC VIEW

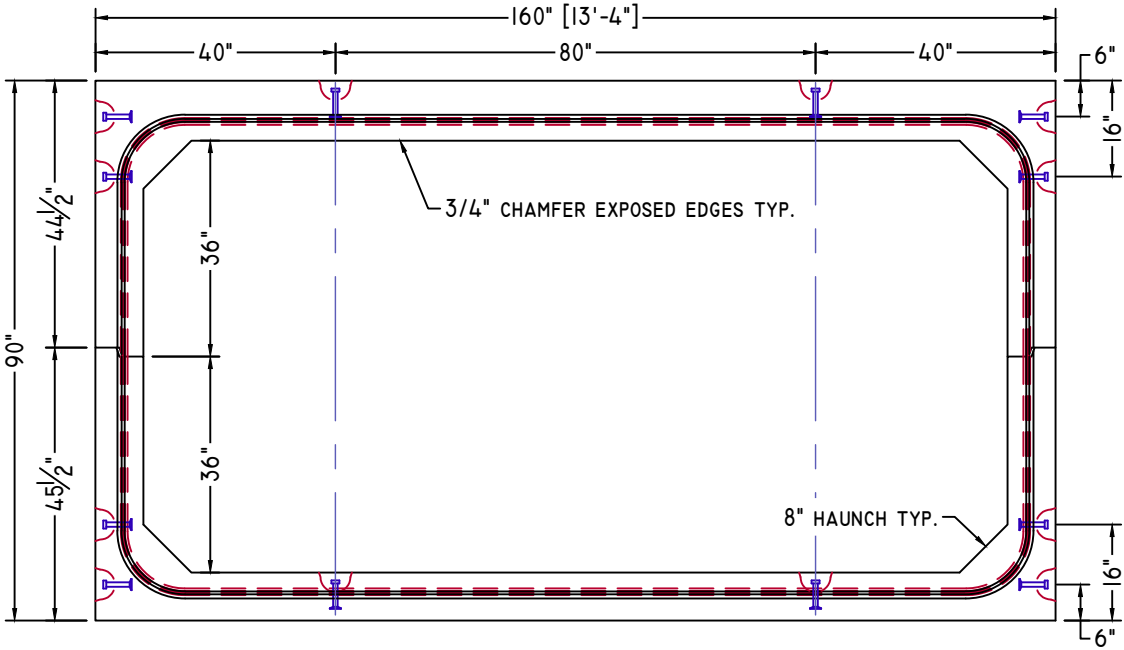
NTS



PLAN VIEW



ELEVATION-A



ELEVATION-B

DOWNSTREAM END



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BILL OF MATERIALS

ITEM	QTY	DESCRIPTION	WEIGHT# EA
5	1	DOWNSTREAM END TOP	16,685
6	1	DOWNSTREAM END BOTTOM	14,380

- DESIGN NOTES:
- Concrete
 - COMP. STRENGTH MIN. 5,000PSI @ 28 DAYS
 - AIR-ENTRAINMENT: 5% MIN - 8% MAX
 - Structural Reinforcement:
 - BAR PER ASTM A615, GRADE 60
 - WWF PER ASTM A1064, GRADE 75
 - SUPPLEMENTAL REINFORCING AS SHOWN
 - DESIGNED FOR 125% HL-93 WHEEL LOAD RATING
 - 2" CLR EXT., 1 1/2" CLR INT. UNLESS NOTED OTHERWISE
 - Manufacturing / Installation:
 - *PROJECTED LENGTH WHEN FACTORING 1/2" GROWTH PER JOINT
 - JOINTS SEALED WITH BUTYL RUBBER SEALANT.
 - ALL JOINTS FILLED W/ NON-SHRINK GROUT AFTER INSTALLATION.
 - Soil / Fill Requirements:

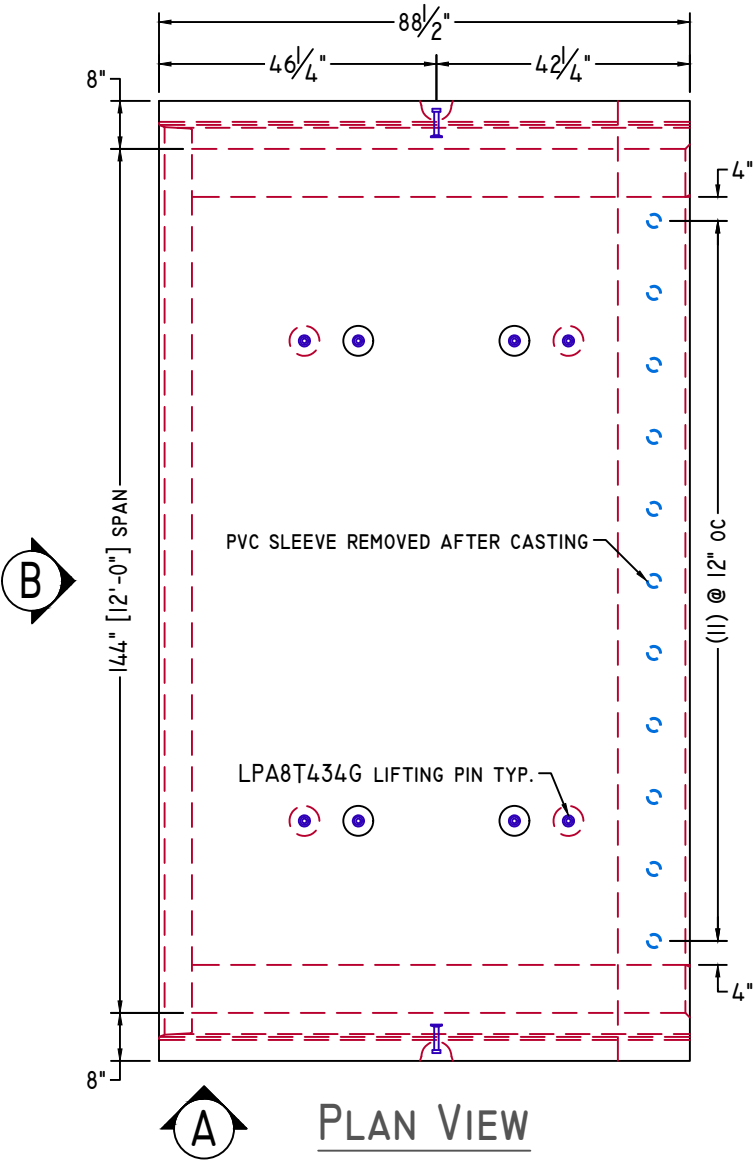
MINIMUM ALLOWABLE FILL: 4.00'

MAXIMUM ALLOWABLE FILL: 5.25'

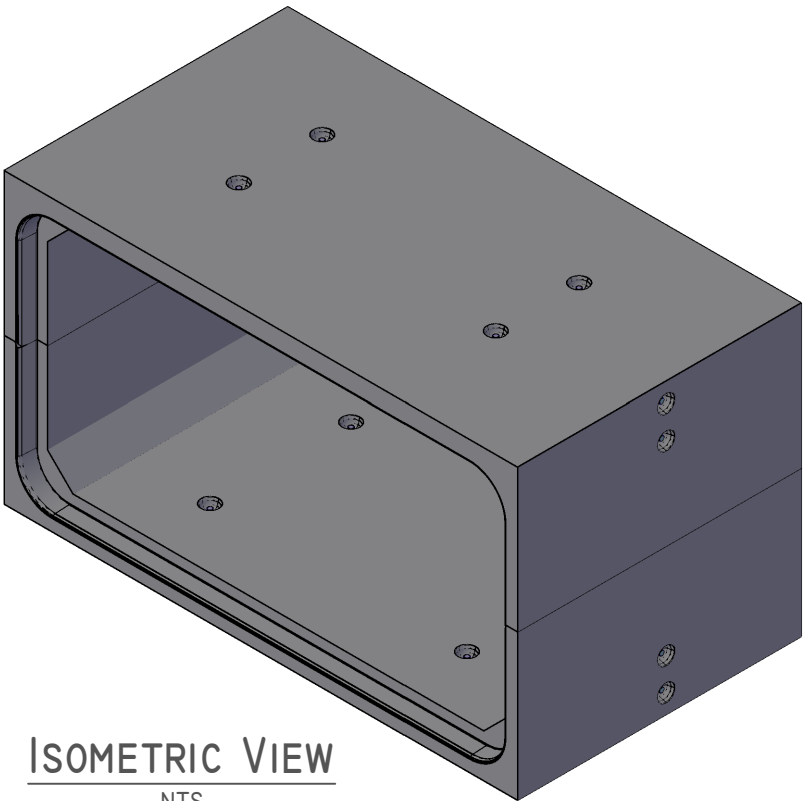


NOTE: Some details not shown for clarity.
SCALE: 3/8" = 1'-0" Unless noted otherwise.

STRUCTURE NAME: 12' X 6' X 74' CLAMSHELL CULVERT		
JOB NAME: FOREST AVE. (WIN: 27196.10)		
LOCATION: ORONO, ME		
CONTRACTOR: ME DOT		
DRAWN BY: SSM	DATE: 02/09/2026	C2.3
REV.#: 0.00	DATE: 02/09/2026	

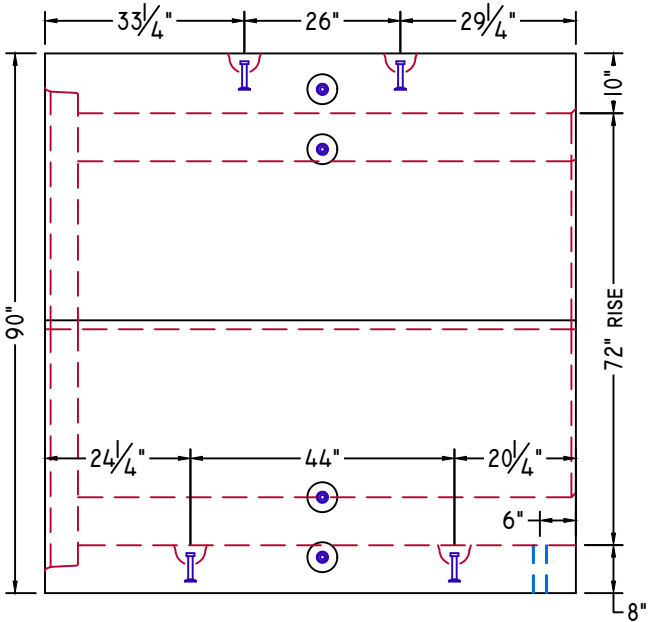


PLAN VIEW

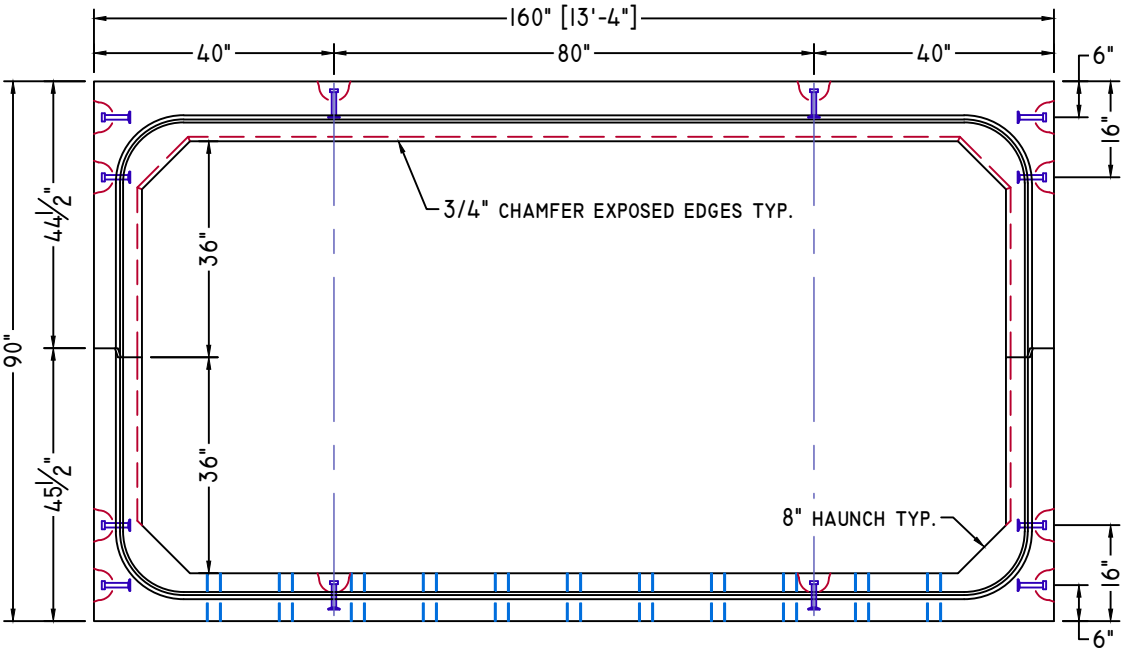


ISOMETRIC VIEW

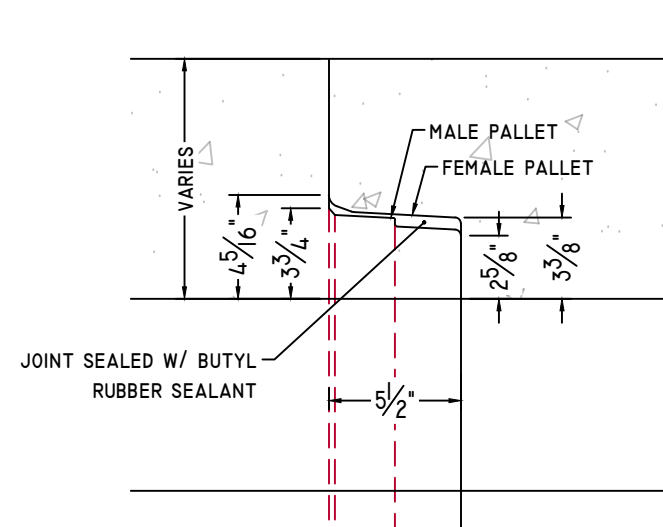
NTS



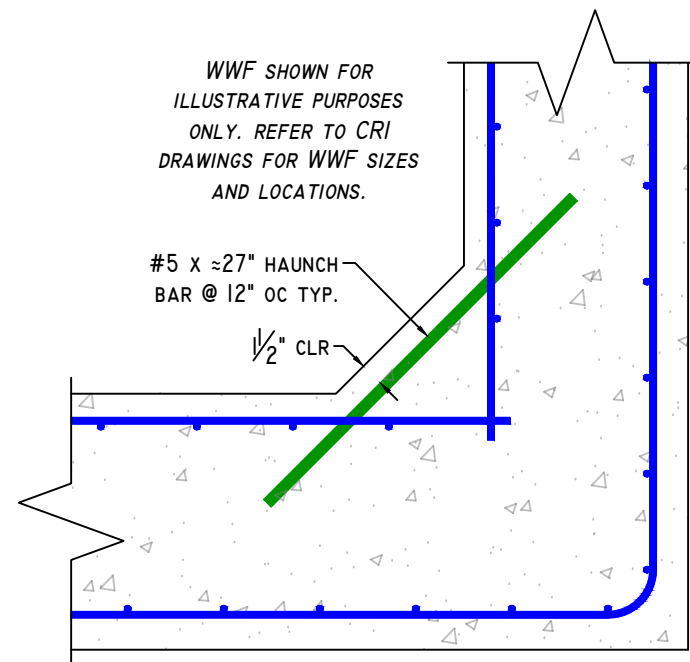
ELEVATION-A



ELEVATION-B

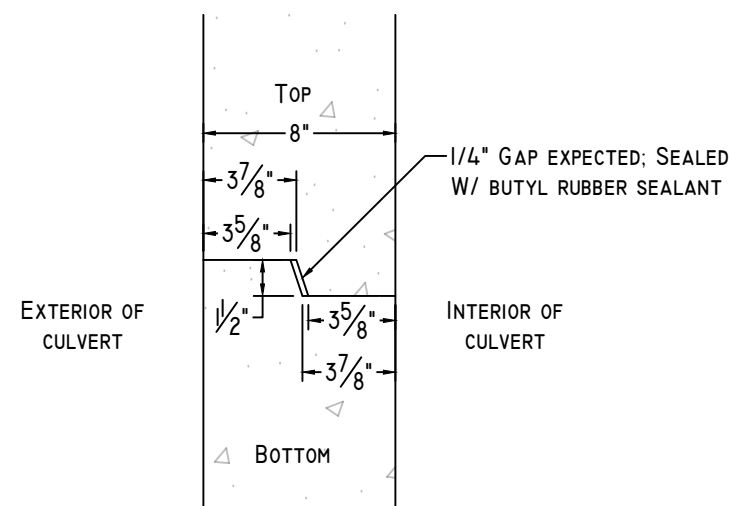


CULVERT JOINT DETAIL

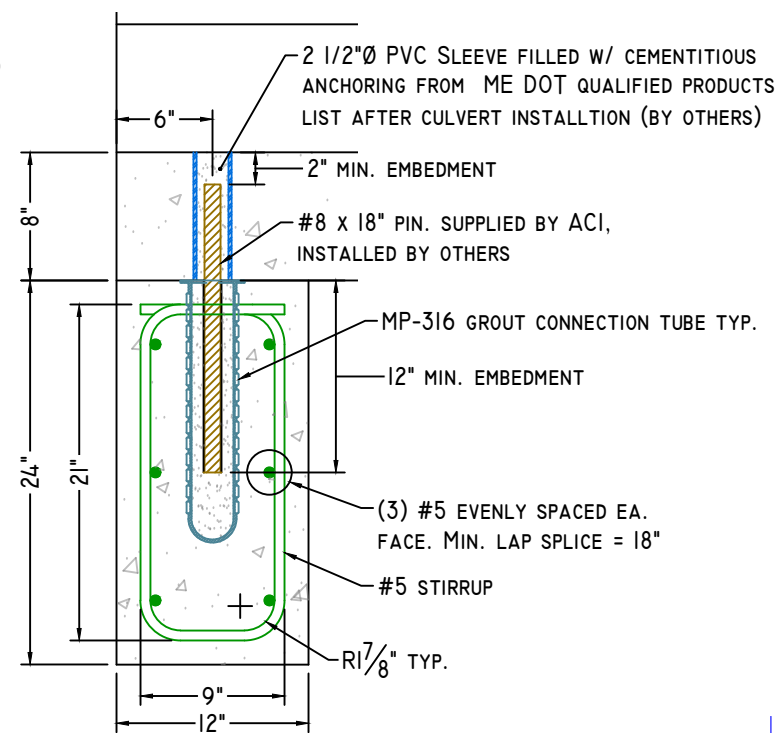


HAUNCH BAR DETAIL

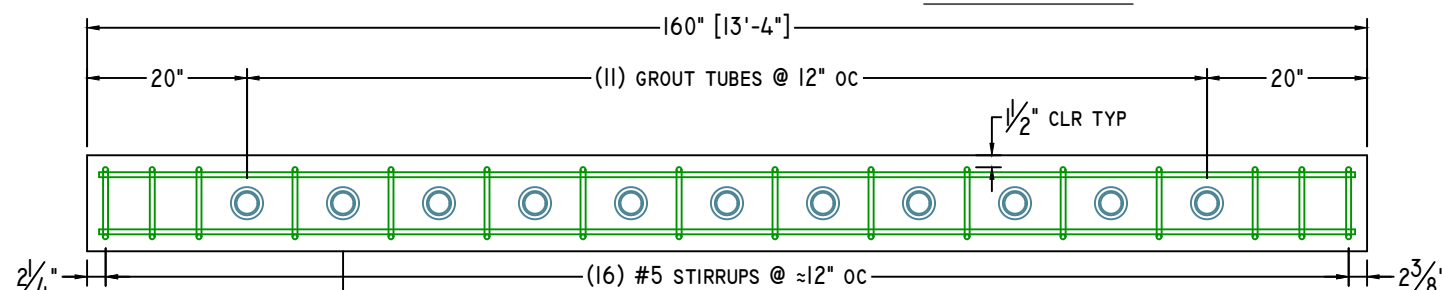
1" = 1'-0"



CLAMSHELL JOINT DETAIL



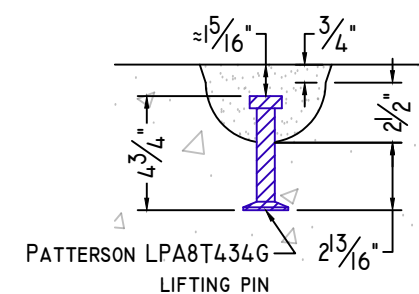
SECTION-A



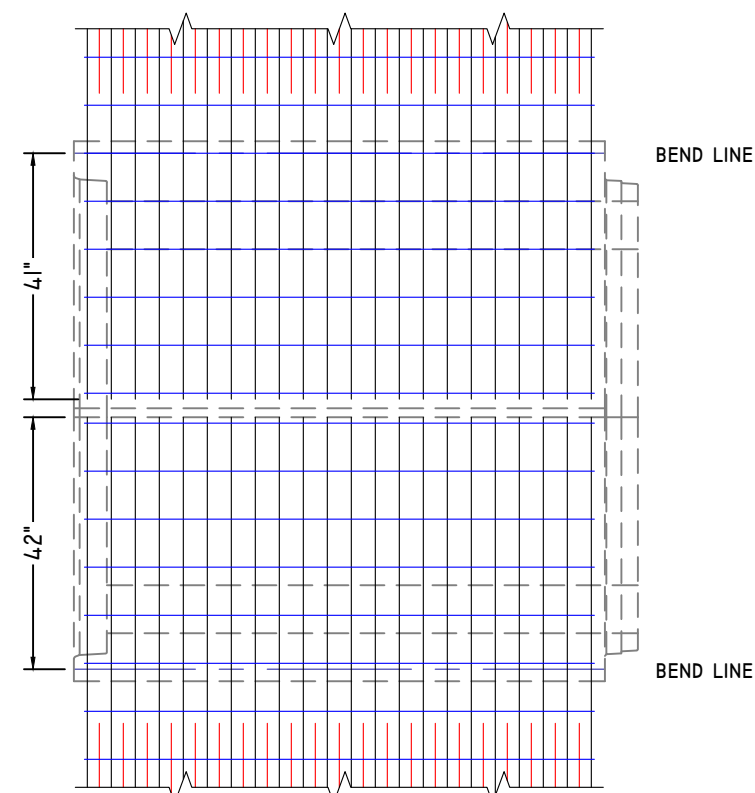
TOEWALL DETAIL

1/2" = 1'-0"

STANDARD DETAILS

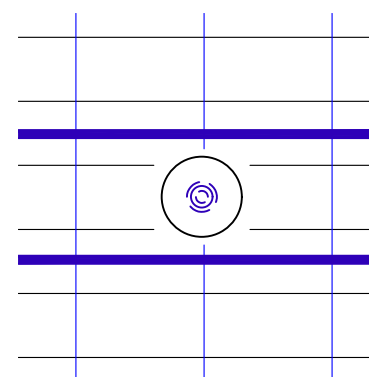


8T 4 3/4" LIFTING
PIN DETAIL



TYPICAL REINFORCING

3/8" = 1'-0"



NOTE: NO SUPPLEMENTAL
REINFORCING REQUIRED

SUPPLEMENTAL REINFORCING

1" = 1'-0"



American Concrete Industries

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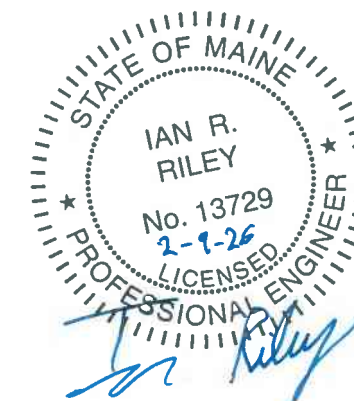
FAX: 207-947-3580

WWW.AMERICANCONCRETE.COM

BILL OF MATERIALS

ITEM	QTY	DESCRIPTION	WEIGHT# EA
------	-----	-------------	------------

INTENTIONALLY LEFT BLANK



NOTE: Some details not shown for clarity.
SCALE: 1 1/2" = 1'-0" Unless noted otherwise.

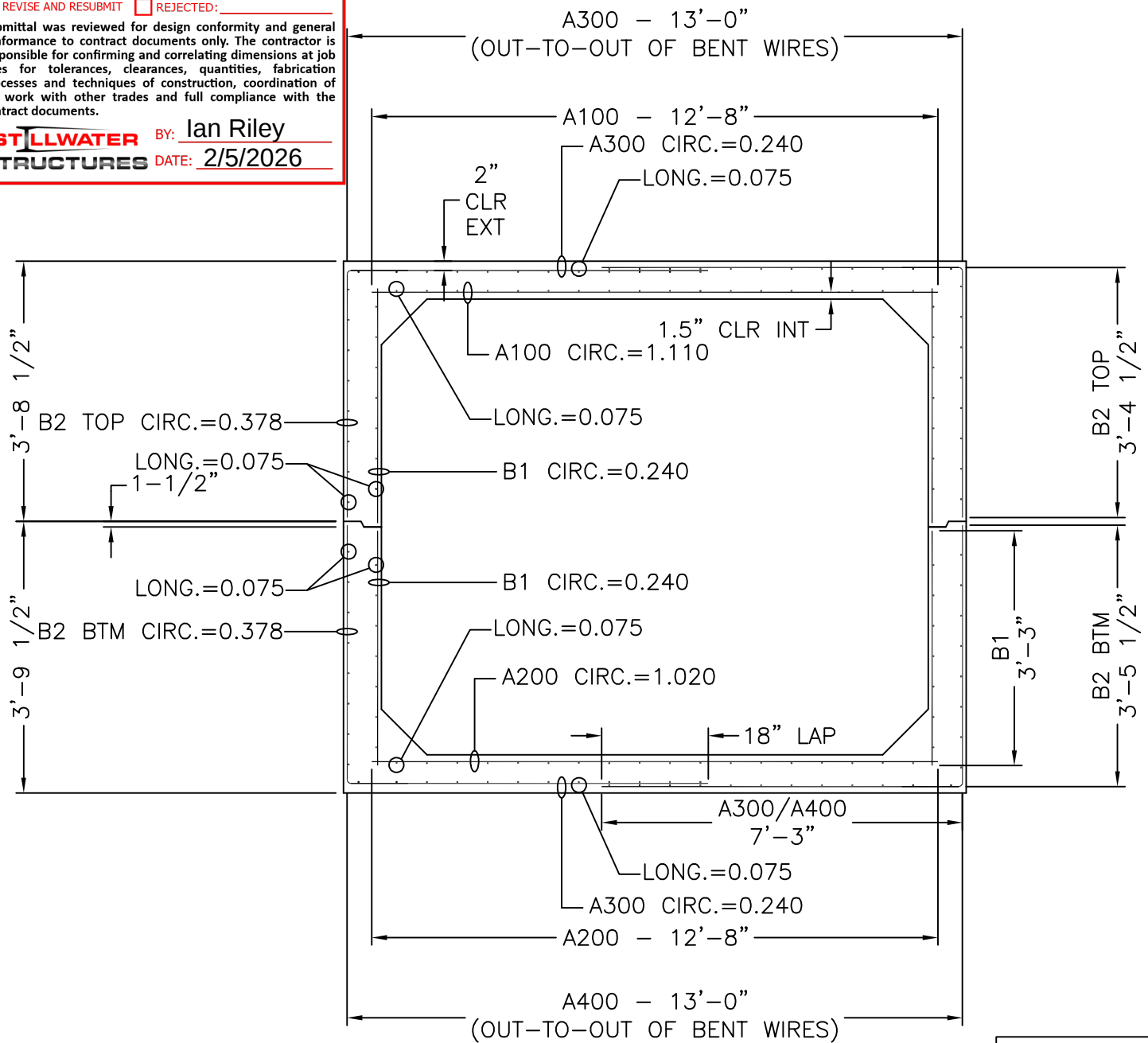
STRUCTURE NAME: 12' x 6' x 74' CLAMSHELL CULVERT		
JOB NAME: FOREST AVE. (WIN: 27196.10)		
LOCATION: ORONO, ME		
CONTRACTOR: ME DOT		
DRAWN BY: SSM	DATE: 02/09/2026	D2.0
REV.#: 0.00	DATE: 02/09/2026	

SHOP DRAWING/SUBMITTAL REVIEW

☒ APPROVED ☐ APPROVED WITH CHANGES NOTES
☐ REVISE AND RESUBMIT ☐ REJECTED:

Submittal was reviewed for design conformity and general conformance to contract documents only. The contractor is responsible for confirming and correlating dimensions at job sites for tolerances, clearances, quantities, fabrication processes and techniques of construction, coordination of his work with other trades and full compliance with the contract documents.

STILLWATER STRUCTURES BY: **Ian Riley**
 DATE: **2/5/2026**



12' x 6' x 7'-4"

CROSS SECTION WITH AREAS OF STEEL

SLAB THICKNESS	
TOP	10"
BOTTOM	8"
WALLS	8"

CAGE WEIGHT PER 7'-4" JOINT = 12,622 lbs

MECHANICAL DIMENSIONS			
DIM. 'L'	=	18"	
DIM. 'M'	=	36"	
DIM. 'R'	=	N/A	
DIM. 'S'	=	N/A	

BOX SIZE:	ASTM:	TABLE:	FILL:
12' X 6' X 7'-4"	HL-93	125%	4.0'-5.25'



Concrete Reinforcements, Inc.
 3830 Presidents Way
 Jacksonville, FL 32220
 PH. 904-520-7100 FAX. 904-520-7101

CUSTOMER:	DRAWN BY:	REVISION:	SHEET DESCRIPTION:
AMERICAN CONCRETE	TC	R1	COVER
PROJECT:	DATE:	REVISION DATE:	FILE NAME:
12' X 6' X 7'-4"	01/29/2026	02/03/2026	F26-3047
12X6 ORONO MDOT	CHECKED BY:	SCALE:	PROJECT #:
	TC	NTS	F26-3047
			SHEET #:
			1 OF 6

SHEET DESIGN



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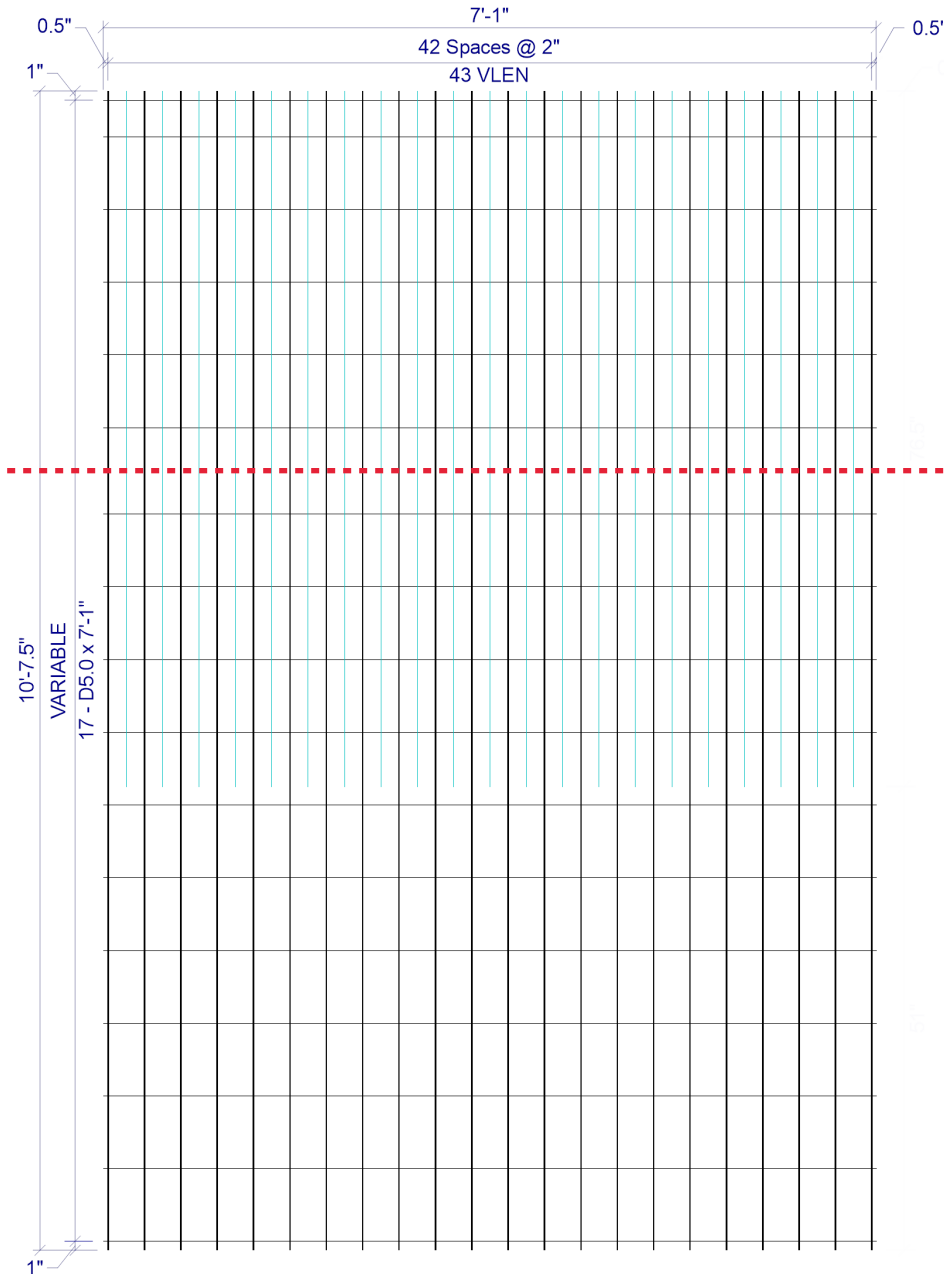
CUSTOMER American Concrete Industries
PROJECT F26-3047 - Drawings - 12x6 Orono MDOT - American Concrete - 01-29-2026
LOCATION Veazie, ME
DATE 01-29-2026 MARK NUMBER B2 TOP

L.W.SPACE 2"
C.W.SPACE VAR
L.W.1 SIZE D8.0
L.W.2 SIZE D4.6
C.W.SIZE D5.0
WIDTH 7'-1"
LENGTH 10'-7.5"
OH.LEFT 0.5"
OH.RIGHT 0.5"
OH.TOP 1"
OH.BOTTOM 1"
YIELD 75,000psi
BENT -
CUT -
ROLL -

W I R E S	LINE WIRE 1	LINE WIRE 2	CROSS WIRE
NO. PER SHEET	22	21	17
SIZE	D8.0	D4.6	D5.0
LENGTH	10'-7.5"	6'-4.5"	7'-1"
W.T./SHEET			
SHEET W.T.	106.9#		
QUANTITY	20		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

SPECIAL REMARKS:
BEND DIMS: SLAB: 87" WALL: 40.5"

APPROVED _____



2 x VAR D8.0 / D4.6 / D5.0 (GRADE 75) 84"(+0.5", +0.5") x VLEN(1", 1")
VLEN = ALTERNATING LENGTH 6'-4.5" & 10'-7.5" WITH 10'-7.5" @ LHS & RHS
VAR = 1" OH, 1@4", 4@8", 1@9.5", 10@8", 1" OH

SHEET DESIGN



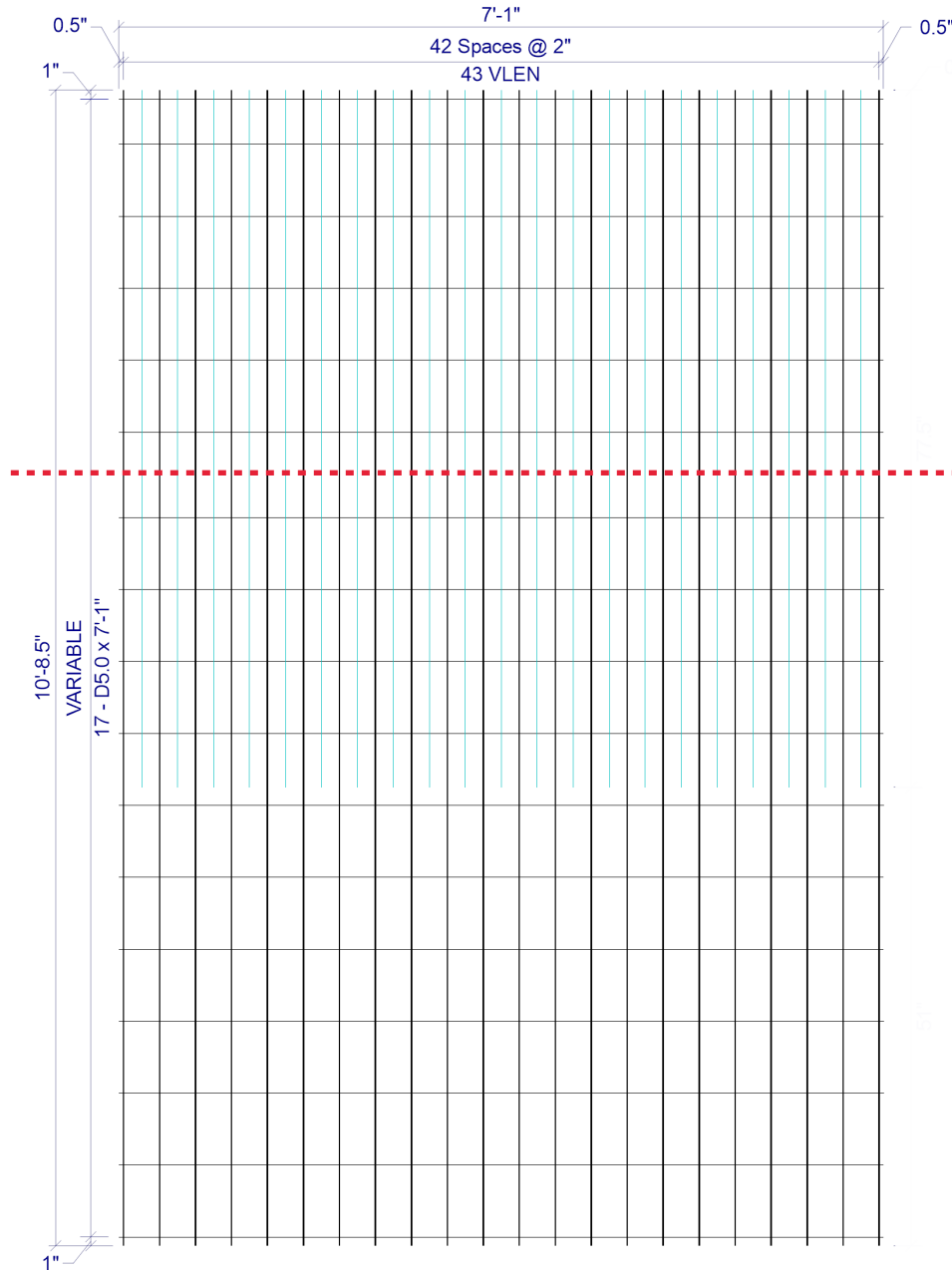
Concrete Reinforcements, Inc.
3830 Presidents Way • Jacksonville, FL 32220
Phone: 904-520-7100 • Fax: 904-520-7101

CUSTOMER American Concrete Industries
PROJECT F26-3047 - Drawings - 12x6 Orono MDOT - American Concrete - 01-29-2026
LOCATION Veazie, ME
DATE 01-29-2026 MARK NUMBER B2 BTM

L.W.SPACE 2"
C.W.SPACE VAR
L.W.1 SIZE D8.0
L.W.2 SIZE D4.6
C.W.SIZE D5.0
WIDTH 7'-1"
LENGTH 10'-8.5"
OH.LEFT 0.5"
OH.RIGHT 0.5"
OH.TOP 1"
OH.BOTTOM 1"
YIELD 75,000psi
BENT -
CUT -
ROLL -

W I R E S	LINE WIRE 1	LINE WIRE 2	CROSS WIRE
NO. PER SHEET	22	21	17
SIZE	D8.0	D4.6	D5.0
LENGTH	10'-8.5"	6'-5.5"	7'-1"
W.T./SHEET			
SHEET W.T.	107.7#		
QUANTITY	20		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

SPECIAL REMARKS:
BEND DIMS: SLAB: 87" WALL: 41.5"



2 x VAR D8.0 / D4.6 / D5.0 (GRADE 75) 84"(+0.5", +0.5") x VLEN(1", 1")
VLEN = ALTERNATING LENGTH 6'-5.5" & 10'-8.5" WITH 10'-8.5" @ LHS & RHS
VAR = 1" OH, 1@5", 4@8", 1@9.5", 10@8", 1" OH

APPROVED _____

SHEET DESIGN



Concrete Reinforcements, Inc.
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Phone: 904-520-7100 • Fax: 904-520-7101

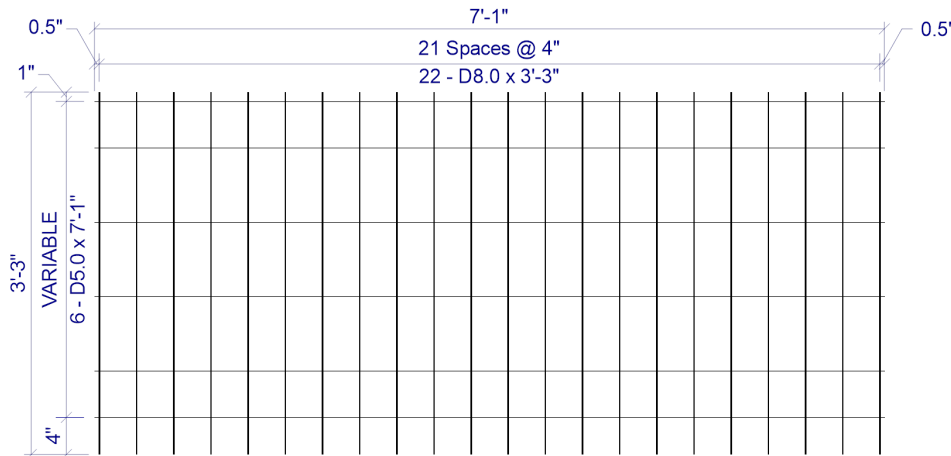
CUSTOMER American Concrete Industries
PROJECT F26-3047 - Drawings - 12x6 Orono MDOT - American Concrete - 01-29-2026
LOCATION Veazie, ME
DATE 01-29-2026 MARK NUMBER B1 TOP/BTM

L.W.SPACE 4"
C.W.SPACE VAR
L.W.1 SIZE D8.0
L.W.2 SIZE N/A
C.W.SIZE D5.0
WIDTH 7'-1"
LENGTH 3'-3"
OH.LEFT 0.5"
OH.RIGHT 0.5"
OH.TOP 1"
OH.BOTTOM 4"
YIELD 75,000psi
BENT -
CUT -
ROLL -

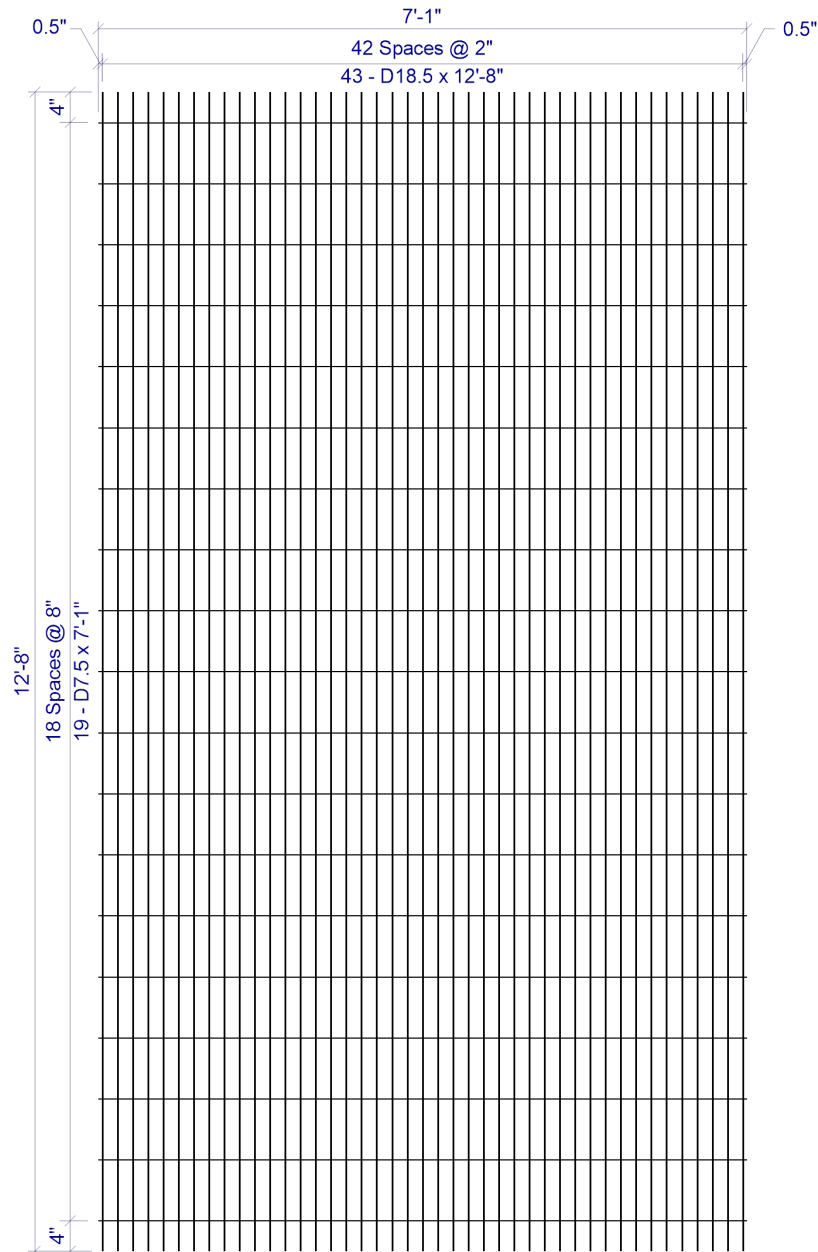
W I R E S	LINE WIRE 1	LINE WIRE 2	CROSS WIRE
NO. PER SHEET	22	N/A	6
SIZE	D8.0	N/A	D5.0
LENGTH	3'-3"	-	7'-1"
W.T./SHEET		-	
SHEET W.T.	26.7#		
QUANTITY	40		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

SPECIAL REMARKS:

APPROVED _____



4 x VAR D8.0 / D5.0 (GRADE 75) 84(+0.5, +0.5) x 3'-3"(1, 4)
VAR = 1" OH, 1@5", 3@8", 1@5", 4" OH



2 x 8 D18.5 / D7.5 (GRADE 75) 84(+0.5, +0.5) x 12'-8"(4, 4)

SHEET DESIGN



Concrete Reinforcements, Inc.
3830 Presidents Way • Jacksonville, FL 32220
Phone: 904-520-7100 • Fax: 904-520-7101

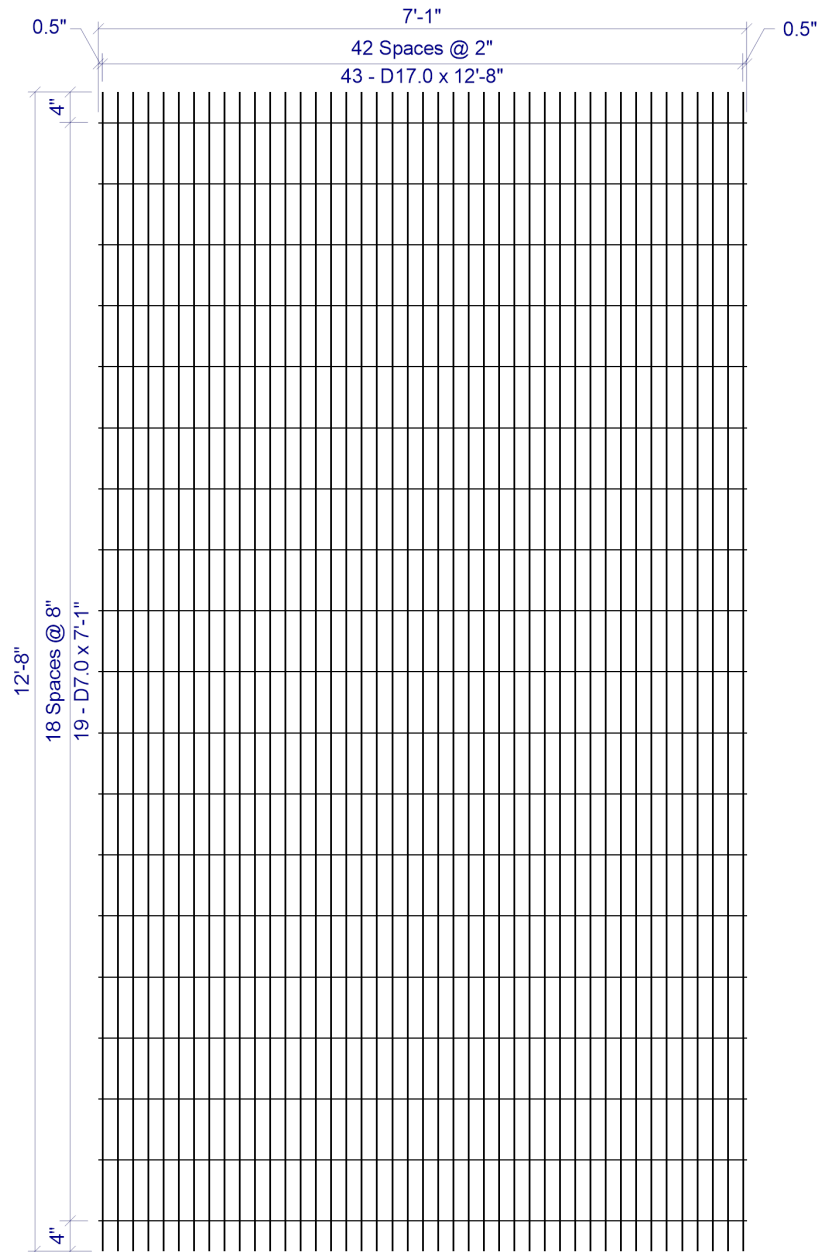
CUSTOMER American Concrete Industries
PROJECT F26-3047 - Drawings - 12x6 Orono MDOT - American Concrete - 01-29-2026
LOCATION Veazie, ME
DATE 01-29-2026 MARK NUMBER A100

L.W.SPACE 2"
C.W.SPACE 8"
L.W.1 SIZE D18.5
L.W.2 SIZE N/A
C.W.SIZE D7.5
WIDTH 7'-1"
LENGTH 12'-8"
OH.LEFT 0.5"
OH.RIGHT 0.5"
OH.TOP 4"
OH.BOTTOM 4"
YIELD 75,000psi
BENT -
CUT -
ROLL -

W I R E S	LINE WIRE 1	LINE WIRE 2	CROSS WIRE
NO. PER SHEET	43	N/A	19
SIZE	D18.5	N/A	D7.5
LENGTH	12'-8"	-	7'-1"
W.T./SHEET		-	
SHEET W.T.	377.0#		
QUANTITY	10		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

SPECIAL REMARKS:

APPROVED _____



2 x 8 D17.0 / D7.0 (GRADE 75) 84(+0.5, +0.5) x 12'-8"(4, 4)

SHEET DESIGN



Concrete Reinforcements, Inc.
3830 Presidents Way • Jacksonville, FL 32220
Phone: 904-520-7100 • Fax: 904-520-7101

CUSTOMER American Concrete Industries
PROJECT F26-3047 - Drawings - 12x6 Orono MDOT - American Concrete - 01-29-2026
LOCATION Veazie, ME
DATE 01-29-2026 MARK NUMBER A200

L.W.SPACE 2"
C.W.SPACE 8"
L.W.1 SIZE D17.0
L.W.2 SIZE N/A
C.W.SIZE D7.0
WIDTH 7'-1"
LENGTH 12'-8"
OH.LEFT 0.5"
OH.RIGHT 0.5"
OH.TOP 4"
OH.BOTTOM 4"
YIELD 75,000psi
BENT -
CUT -
ROLL -

W I R E S	LINE WIRE 1	LINE WIRE 2	CROSS WIRE
NO. PER SHEET	43	N/A	19
SIZE	D17.0	N/A	D7.0
LENGTH	12'-8"	-	7'-1"
W.T./SHEET		-	
SHEET W.T.	349.2#		
QUANTITY	10		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

SPECIAL REMARKS:

APPROVED _____