



American Concrete Industries

1717 STILLWATER AVE. VEAZIE, ME. 04401

TEL: 207-947-8334

FAX: 207-947-3580

WWW.AMERICANCONCRETE.COM

BILL OF MATERIALS

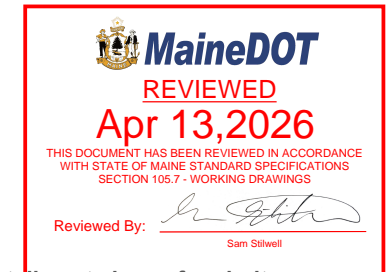
ITEM	QTY	DESCRIPTION	WEIGHT# EA
1	1	UPSTREAM END TOP	17,220
2	1	UPSTREAM END BOTTOM	15,035
3	12	MID SECTION TOP	16,815
4	12	MID SECTION BOTTOM	14,665
5	1	DOWNSTREAM END TOP	16,445
6	1	DOWNSTREAM END BOTTOM	14,260
7	2	1' x 2' x 13'-4" TOEWALL	3,890
8	22	#8 x 18" TOEWALL PIN (SHIPPED LOOSE)	

DESIGN NOTES:

- Concrete**
 - 1.1. COMP. STRENGTH MIN. 5,000PSI @ 28 DAYS
 - 1.2. AIR-ENTRAINMENT: 5% MIN - 8% MAX
- 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
- 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.
- Soil / Fill Requirements:**

MINIMUM ALLOWABLE FILL: 3.25'

MAXIMUM ALLOWABLE FILL: 4.50'



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

STRUCTURE NAME:
12' x 7' x 98' CLAMHELL CULVERT

JOB NAME:
PADDY HILL RD. (WIN: 27222.10)

LOCATION:
MEDFORD, ME

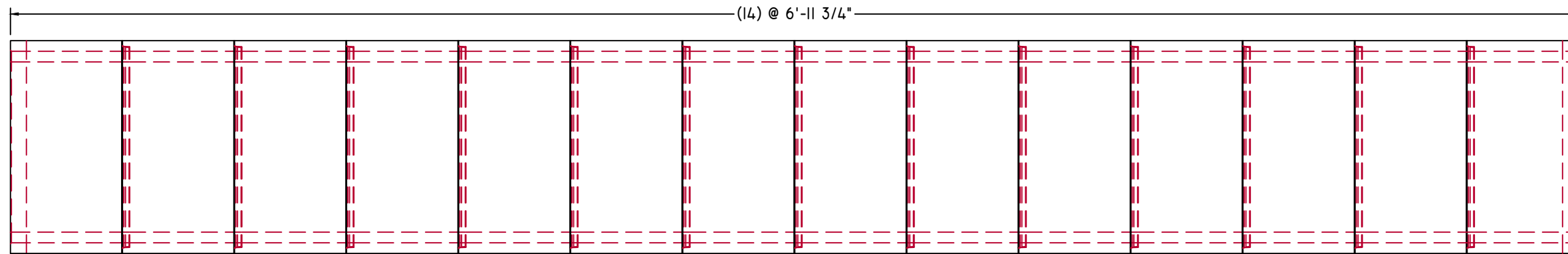
CONTRACTOR:
ME DOT

DRAWN BY: SSM DATE: 02/23/2026

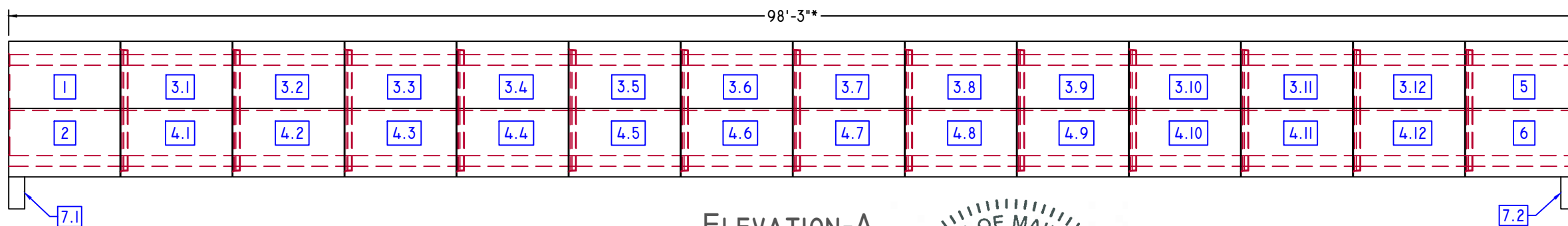
REV.#: 0.00 DATE: 02/23/2026

CI.0

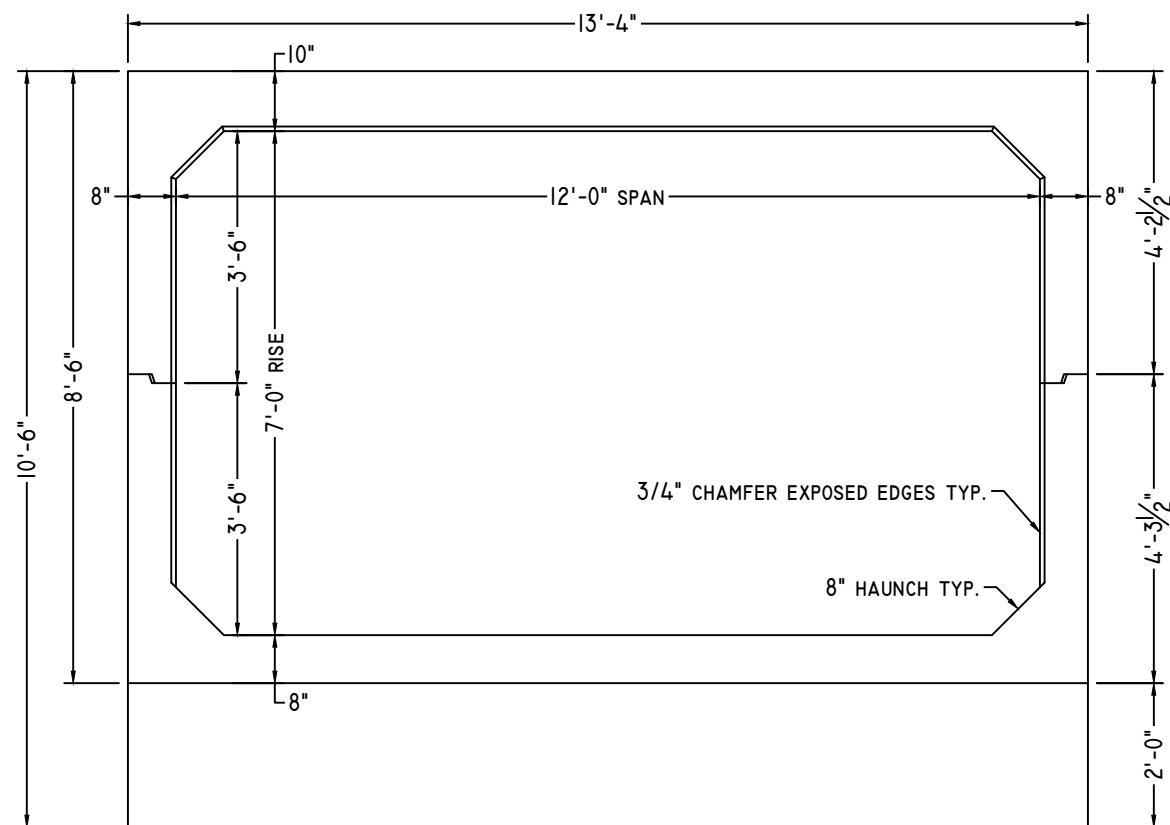
OVERALL



PLAN VIEW

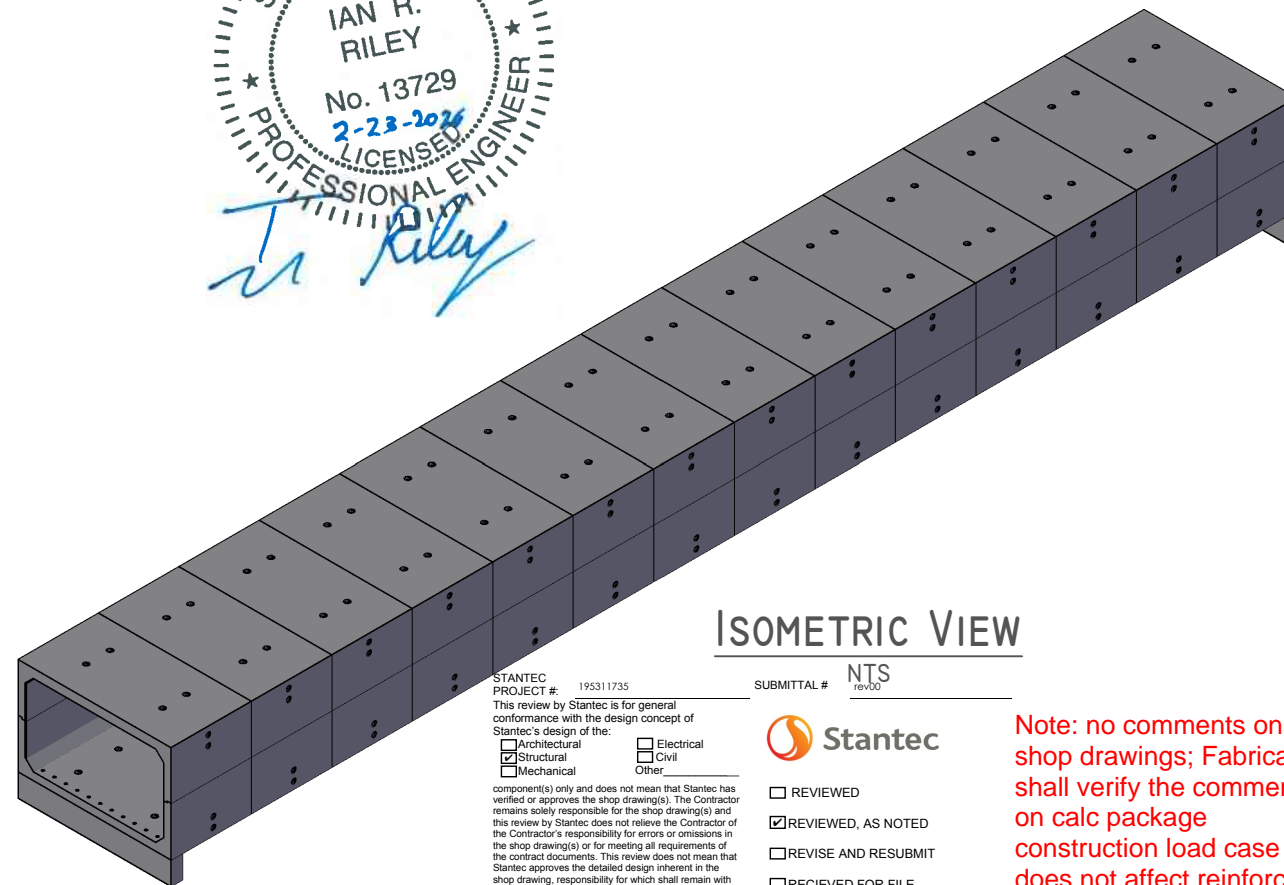
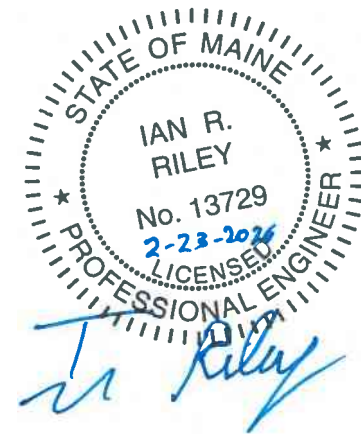


ELEVATION-A



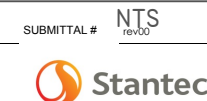
ELEVATION-B

3/8" = 1'-0"



ISOMETRIC VIEW

STANTEC PROJECT #: 195311735
 This review by Stantec is for general conformance with the design concept of Stantec's design of the: Structural Electrical Civil Mechanical Other
 component(s) only and does not mean that Stantec has verified or approved 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 AS NOTED
 REVISION AND RESUBMIT
 RECEIVED FOR FILE

DATE: 2026-04-07
 BY: sjwilliams

Note: no comments on shop drawings; Fabricator shall verify the comments on calc package construction load case does not affect reinforcing required/shown in shop drawings.

UPSTREAM END



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BILL OF MATERIALS

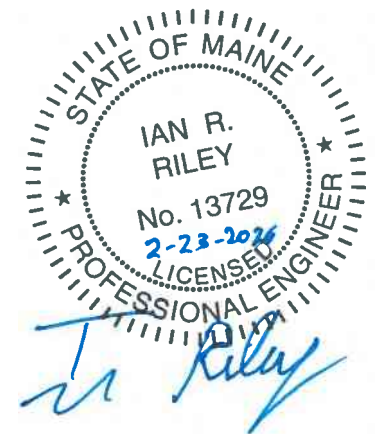
ITEM	QTY	DESCRIPTION	WEIGHT# EA
1	1	UPSTREAM END TOP	17,220
2	1	UPSTREAM END BOTTOM	15,035

DESIGN NOTES:

1. **Concrete**
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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: 3.25'

MAXIMUM ALLOWABLE FILL: 4.50'



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

STRUCTURE NAME:
12' x 7' x 98' CLAMHELL CULVERT

JOB NAME:
PADDY HILL RD. (WIN: 27222.10)

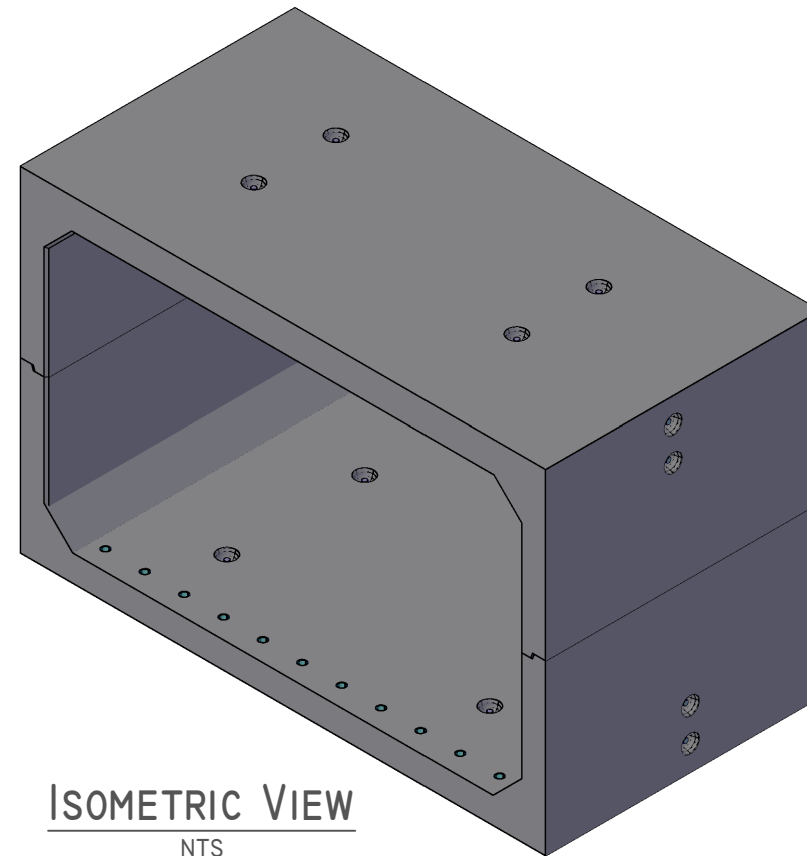
LOCATION:
MEDFORD, ME

CONTRACTOR:
ME DOT

DRAWN BY: SSM
DATE: 02/23/2026

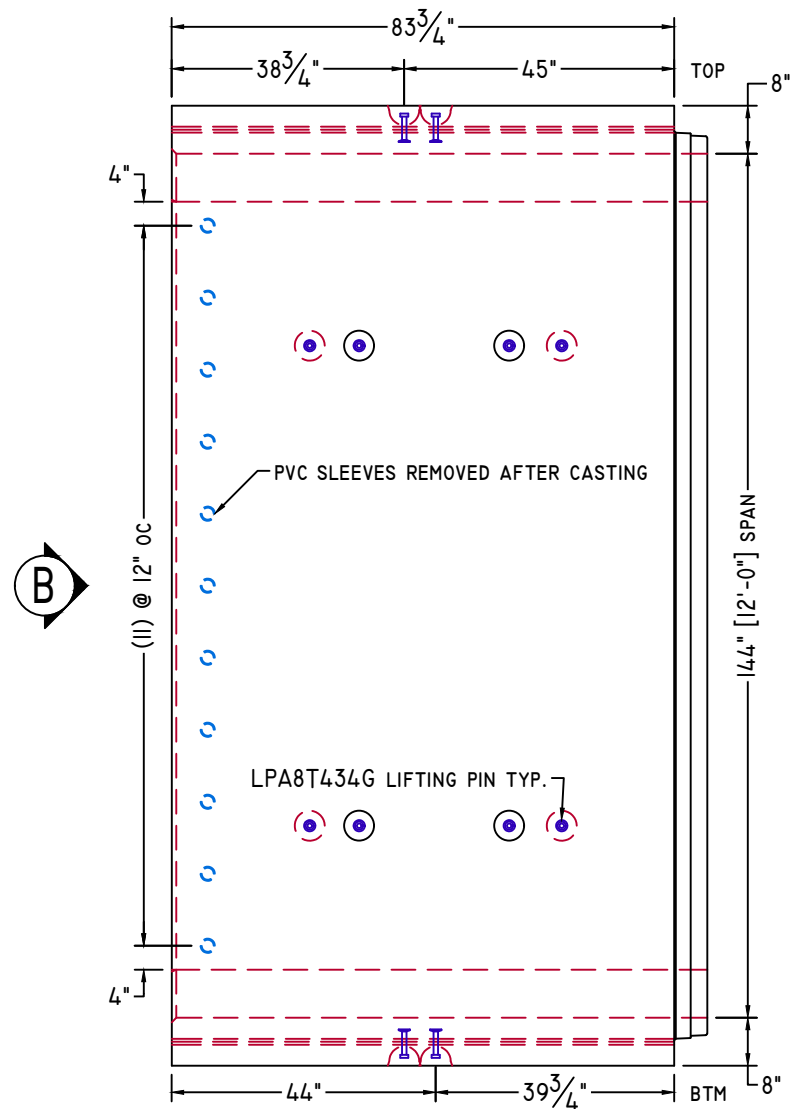
REV.#: 0.00
DATE: 02/23/2026

CI.1

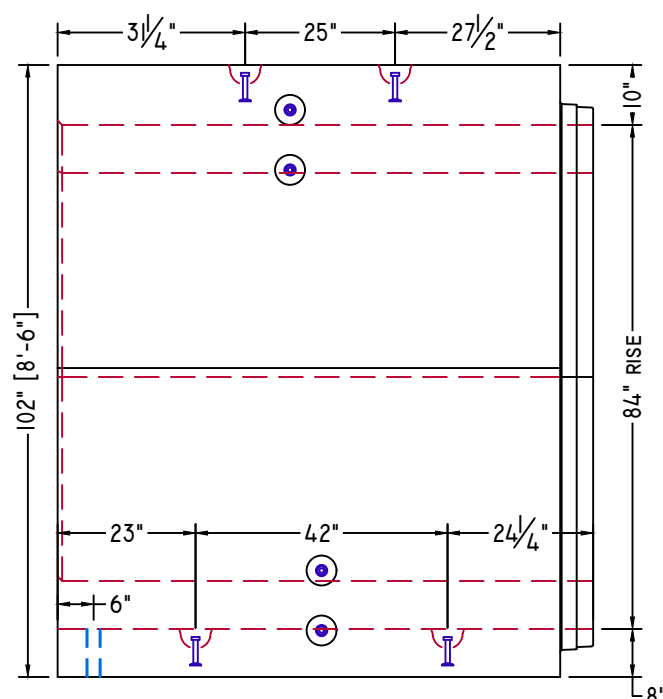


ISOMETRIC VIEW

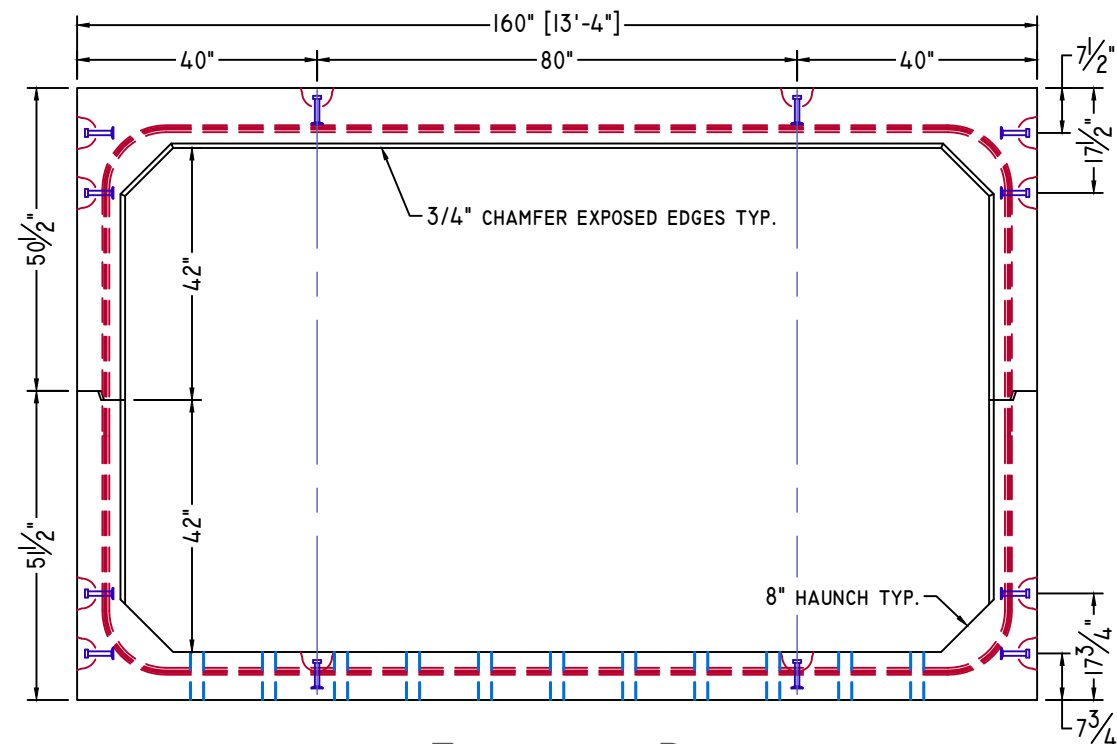
NTS



PLAN VIEW



ELEVATION-A



ELEVATION-B

MID SECTION



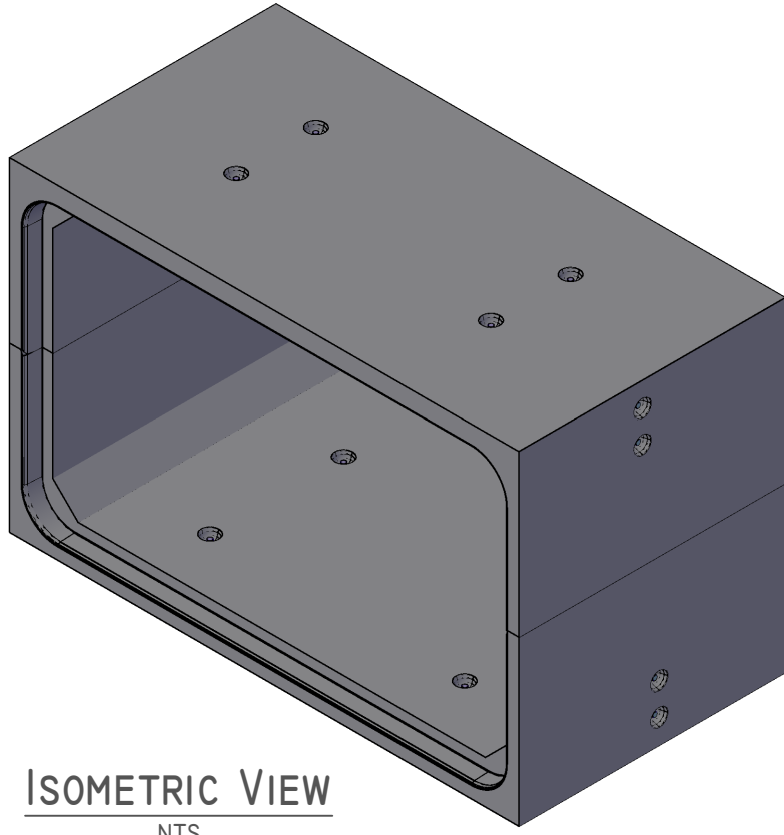
American Concrete Industries
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BILL OF MATERIALS

ITEM	QTY	DESCRIPTION	WEIGHT# EA
3	12	MID SECTION TOP	16,815
4	12	MID SECTION BOTTOM	14,665

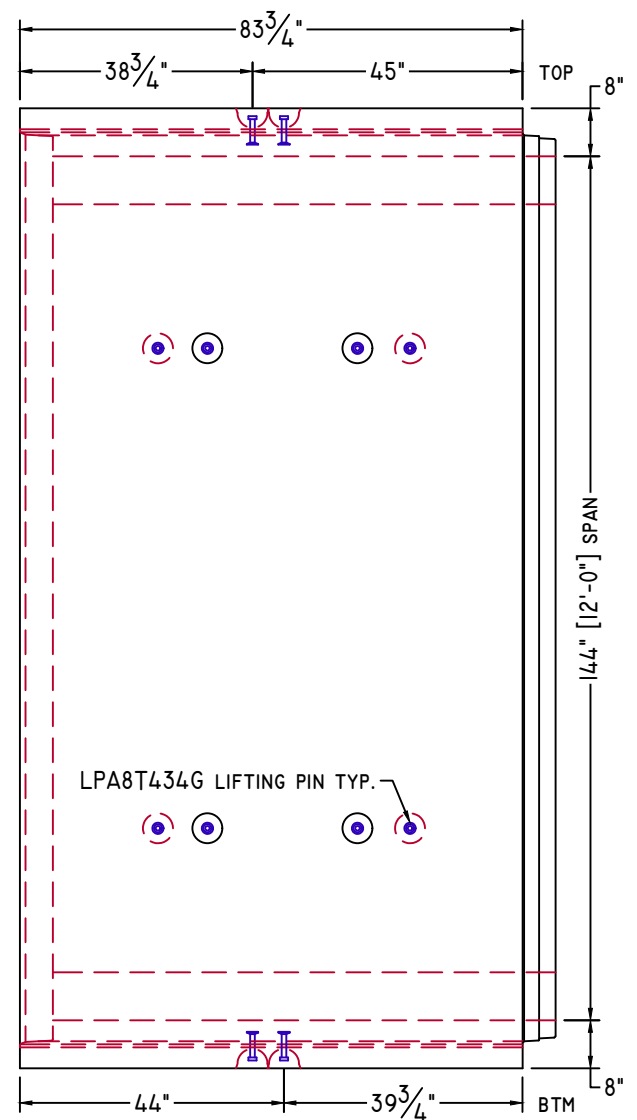
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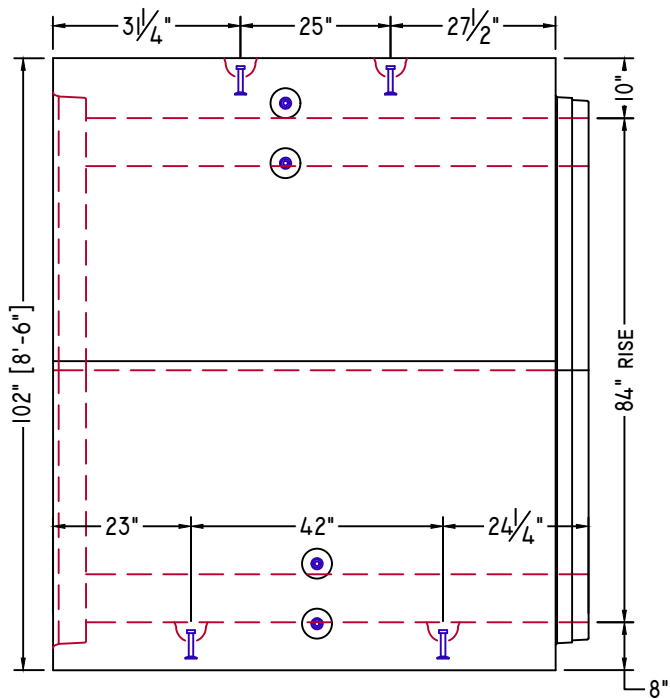
ISOMETRIC VIEW
NTS

B

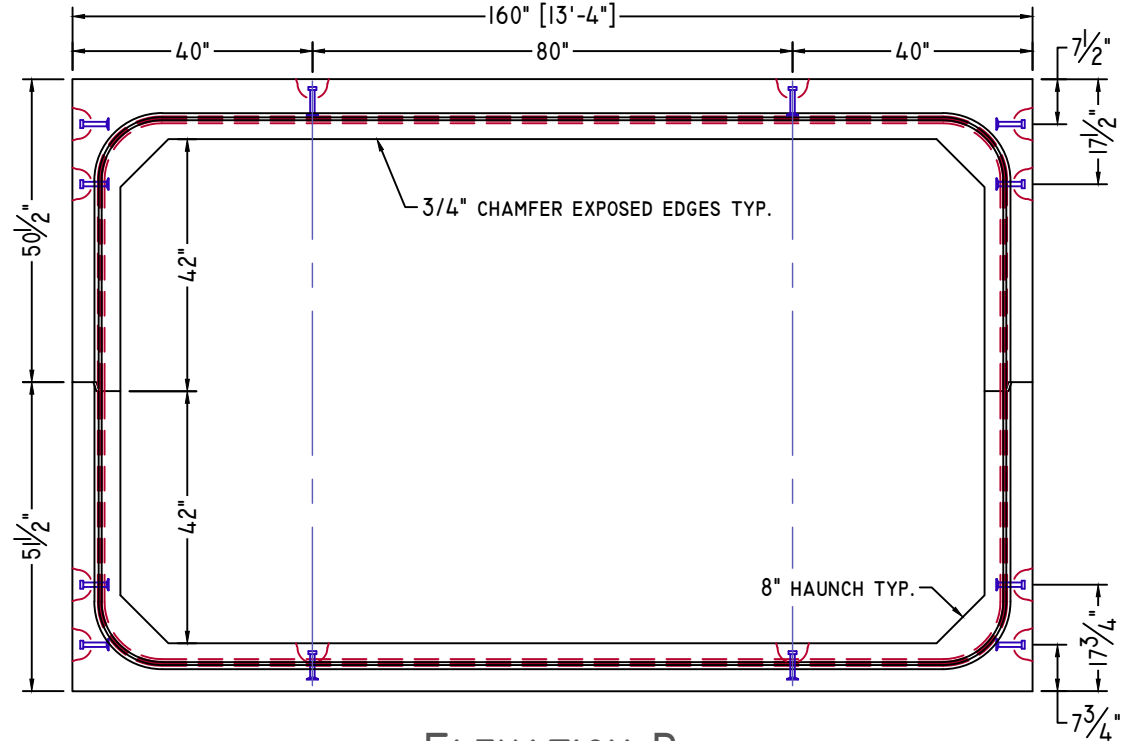


PLAN VIEW

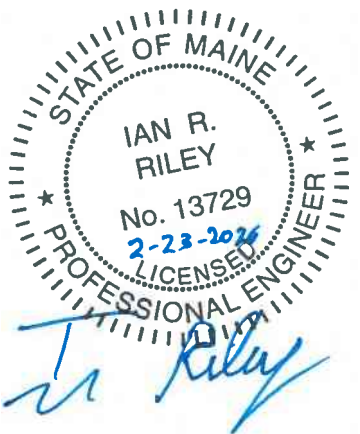
A



ELEVATION-A



ELEVATION-B



NOTE: Some details not shown for clarity.
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STRUCTURE NAME: 12' x 7' x 98' CLAMHELL CULVERT		CI.2
JOB NAME: PADDY HILL RD. (WIN: 27222.10)		
LOCATION: MEDFORD, ME		
CONTRACTOR: ME DOT		
DRAWN BY: SSM	DATE: 02/23/2026	
REV.#: 0.00	DATE: 02/23/2026	

DOWNSTREAM END



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BILL OF MATERIALS

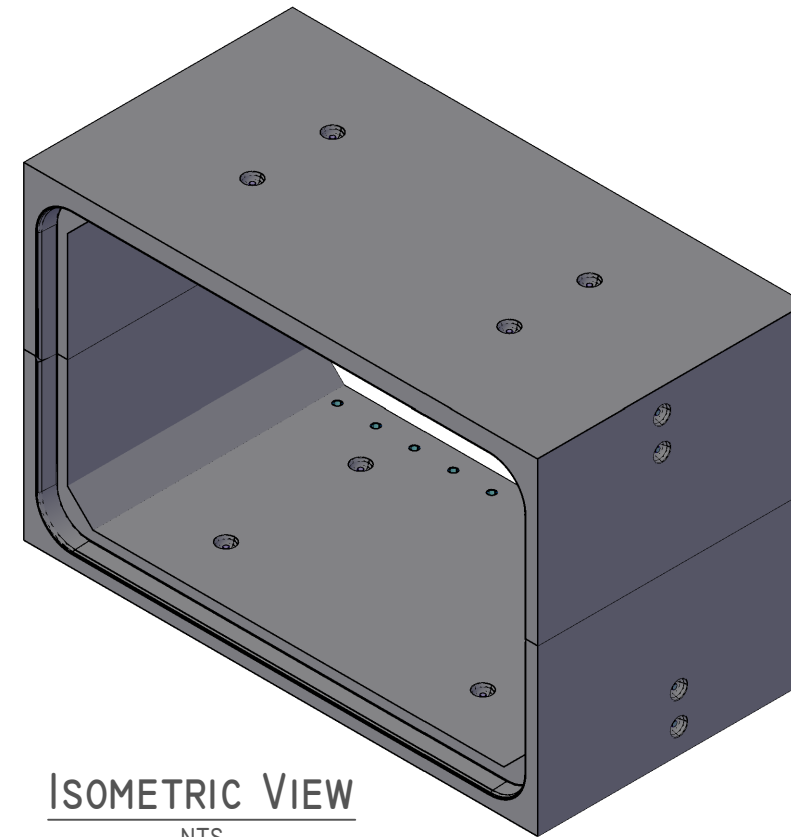
5	I	DOWNSTREAM END TOP	16,445
6	I	DOWNSTREAM END BOTTOM	14,260

DESIGN NOTES:

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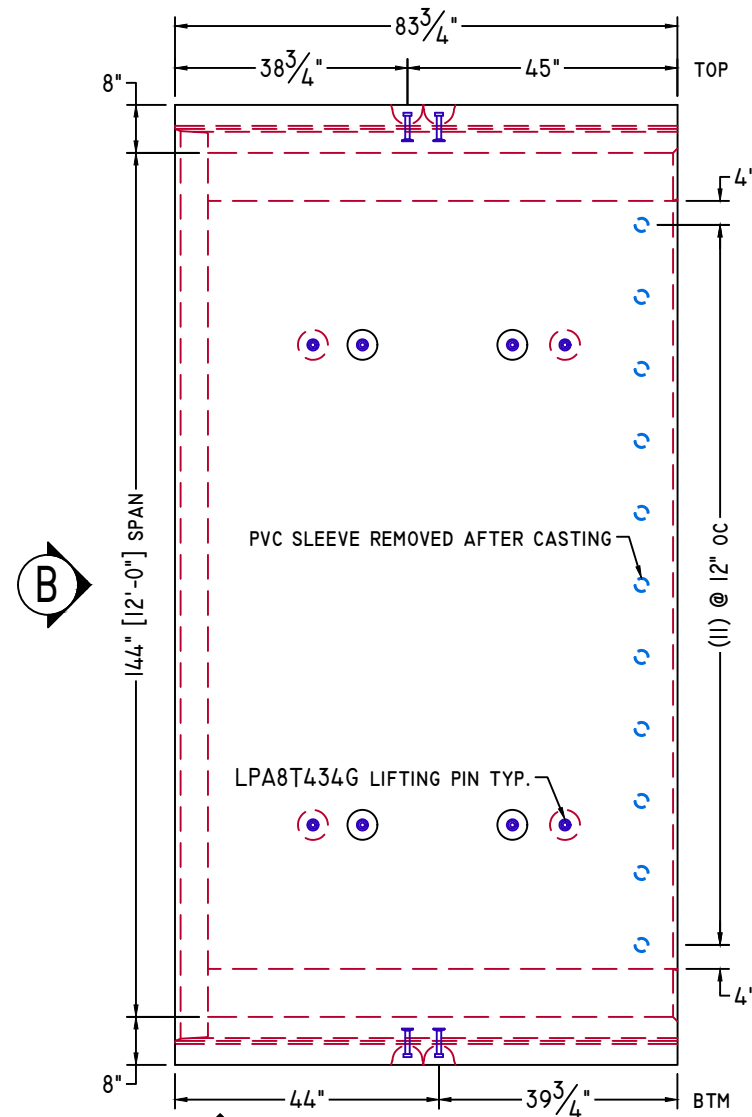
MINIMUM ALLOWABLE FILL: 3.25'

MAXIMUM ALLOWABLE FILL: 4.50'

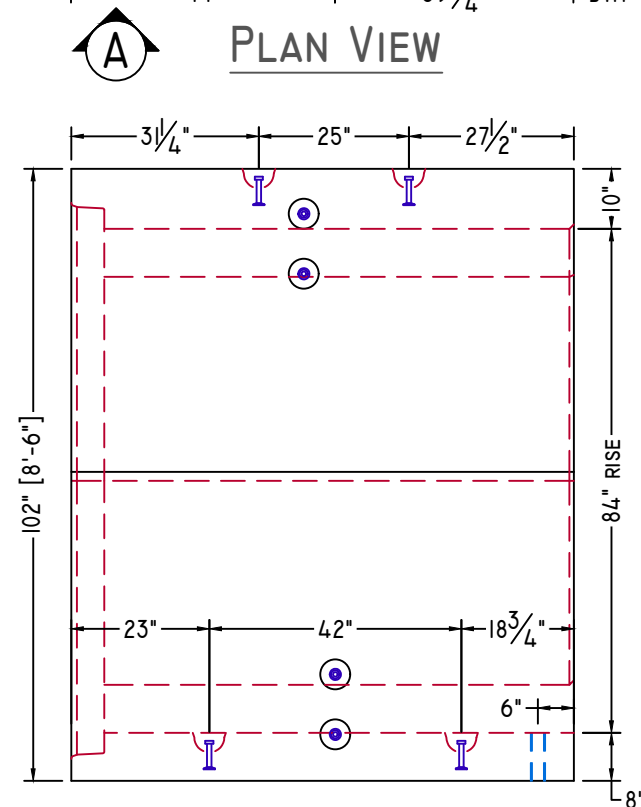


ISOMETRIC VIEW

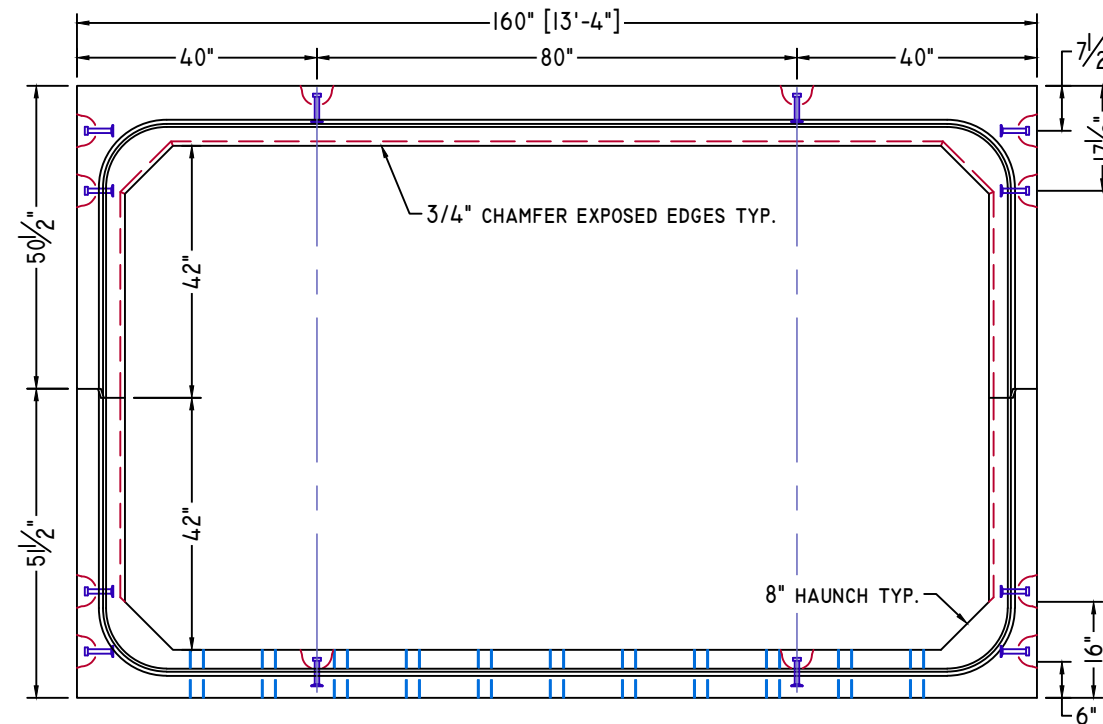
NTS



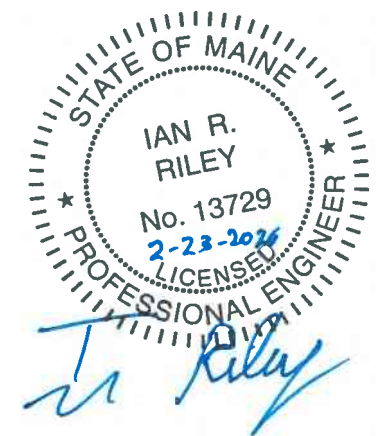
PLAN VIEW



ELEVATION-A



ELEVATION-B



NOTE: Some details not shown for clarity.
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STRUCTURE NAME:
12' x 7' x 98' CLAMHELL CULVERT

JOB NAME:
PADDY HILL RD. (WIN: 27222.10)

LOCATION:
MEDFORD, ME

CONTRACTOR:
ME DOT

DRAWN BY: SSM
DATE: 02/23/2026

REV.#: 0.00
DATE: 02/23/2026

CI.3

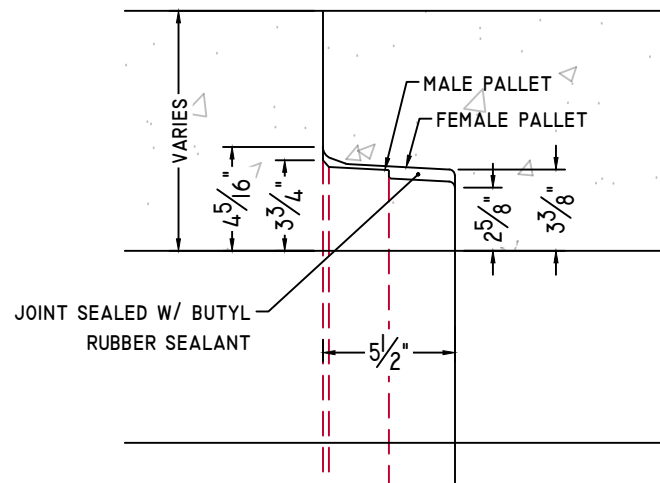
STANDARD DETAILS



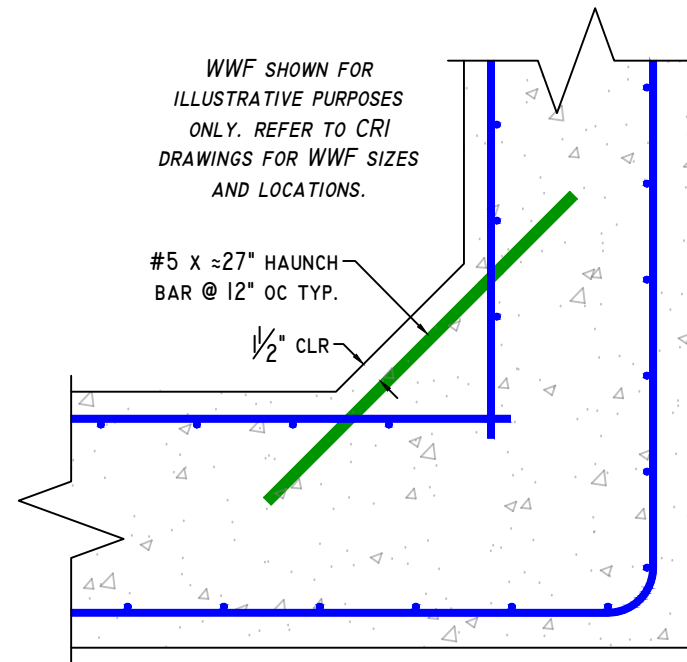
American Concrete Industries
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BILL OF MATERIALS

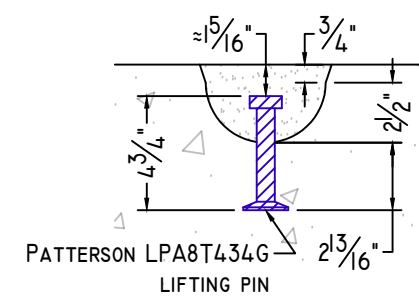
ITEM	QTY	DESCRIPTION	WEIGHT# EA
INTENTIONALLY LEFT BLANK			



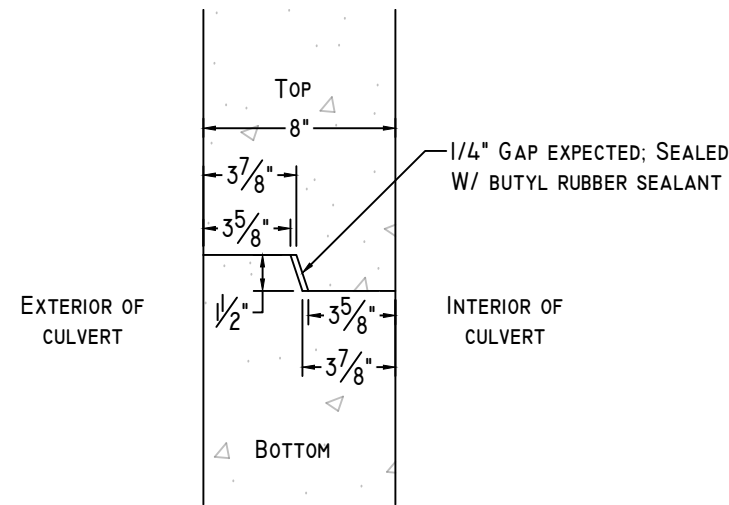
CULVERT JOINT DETAIL



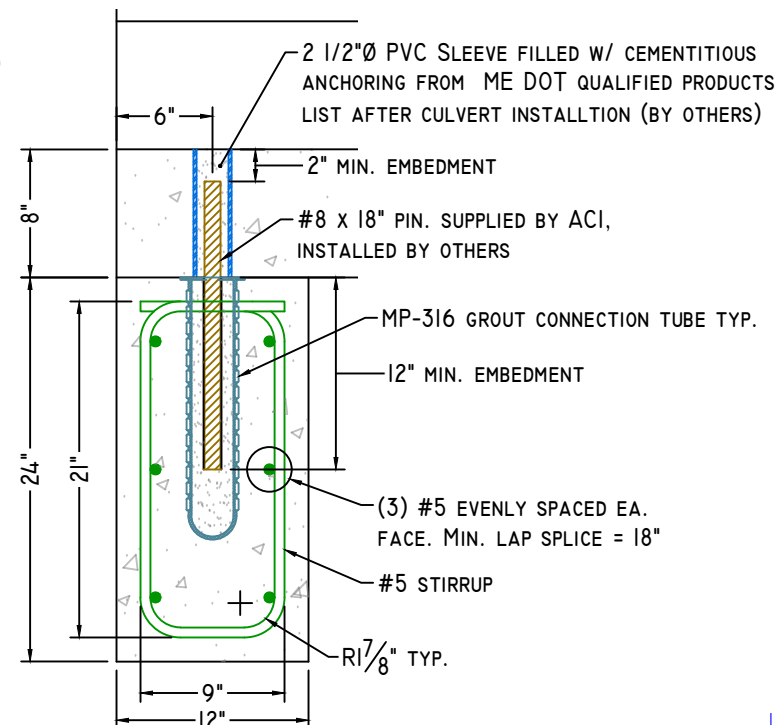
HAUNCH BAR DETAIL



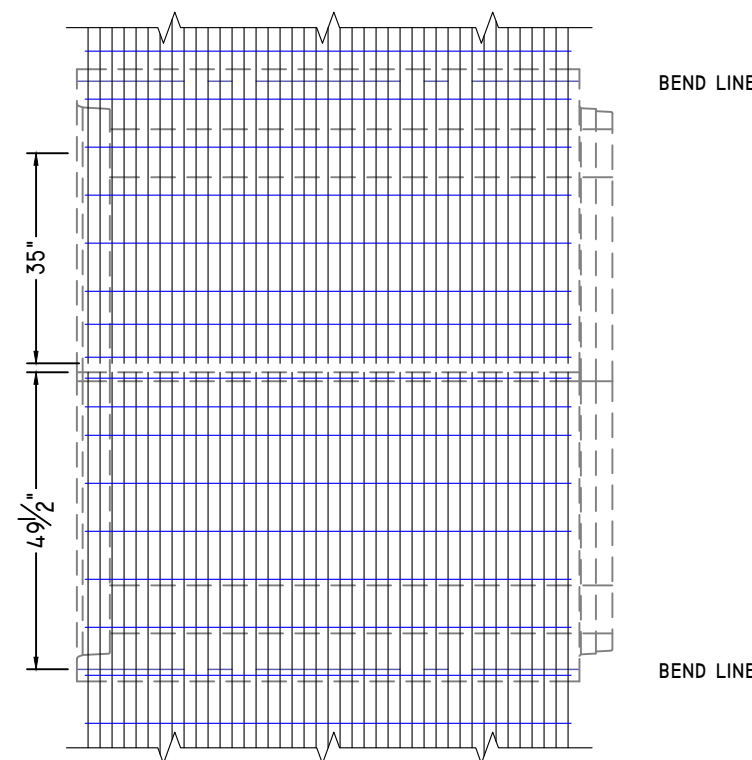
8T 4 3/4" LIFTING PIN DETAIL



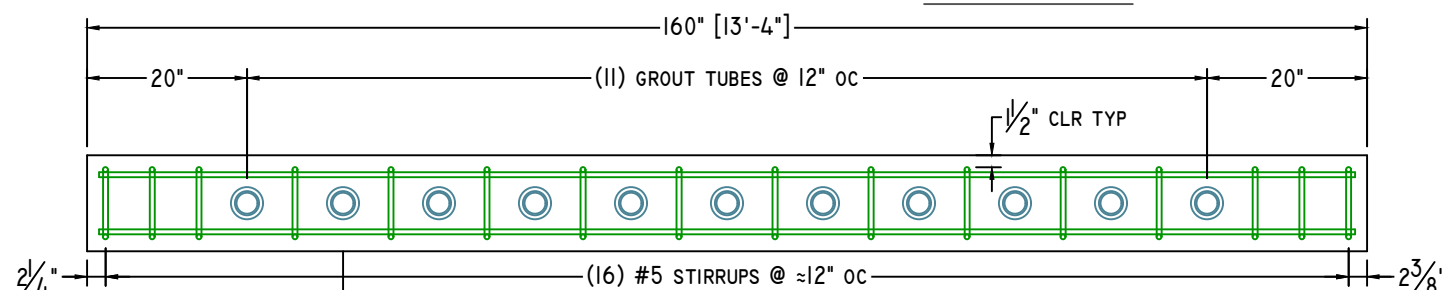
CLAMSHELL JOINT DETAIL



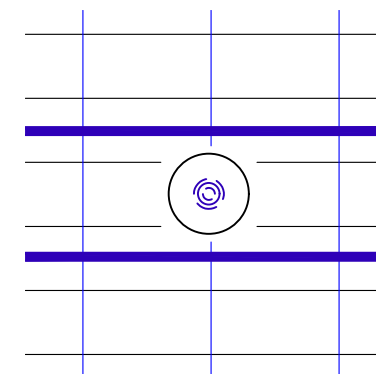
SECTION-A



TYPICAL REINFORCING

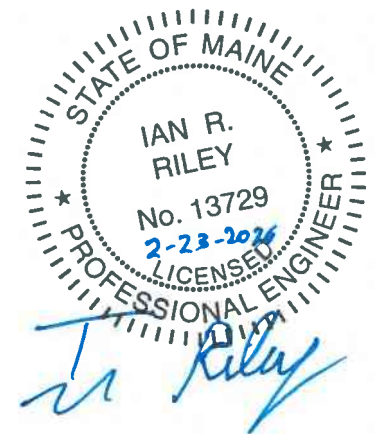


TOEWALL DETAIL



SUPPLEMENTAL REINFORCING

NOTE: NO SUPPLEMENTAL REINFORCING REQUIRED



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

STRUCTURE NAME: 12' x 7' x 98' CLAMSHELL CULVERT
 JOB NAME: PADDY HILL RD. (WIN: 27222.10)
 LOCATION: MEDFORD, ME
 CONTRACTOR: ME DOT

DRAWN BY: SSM
 DATE: 02/23/2026
 REV.#: 0.00
 DATE: 02/23/2026

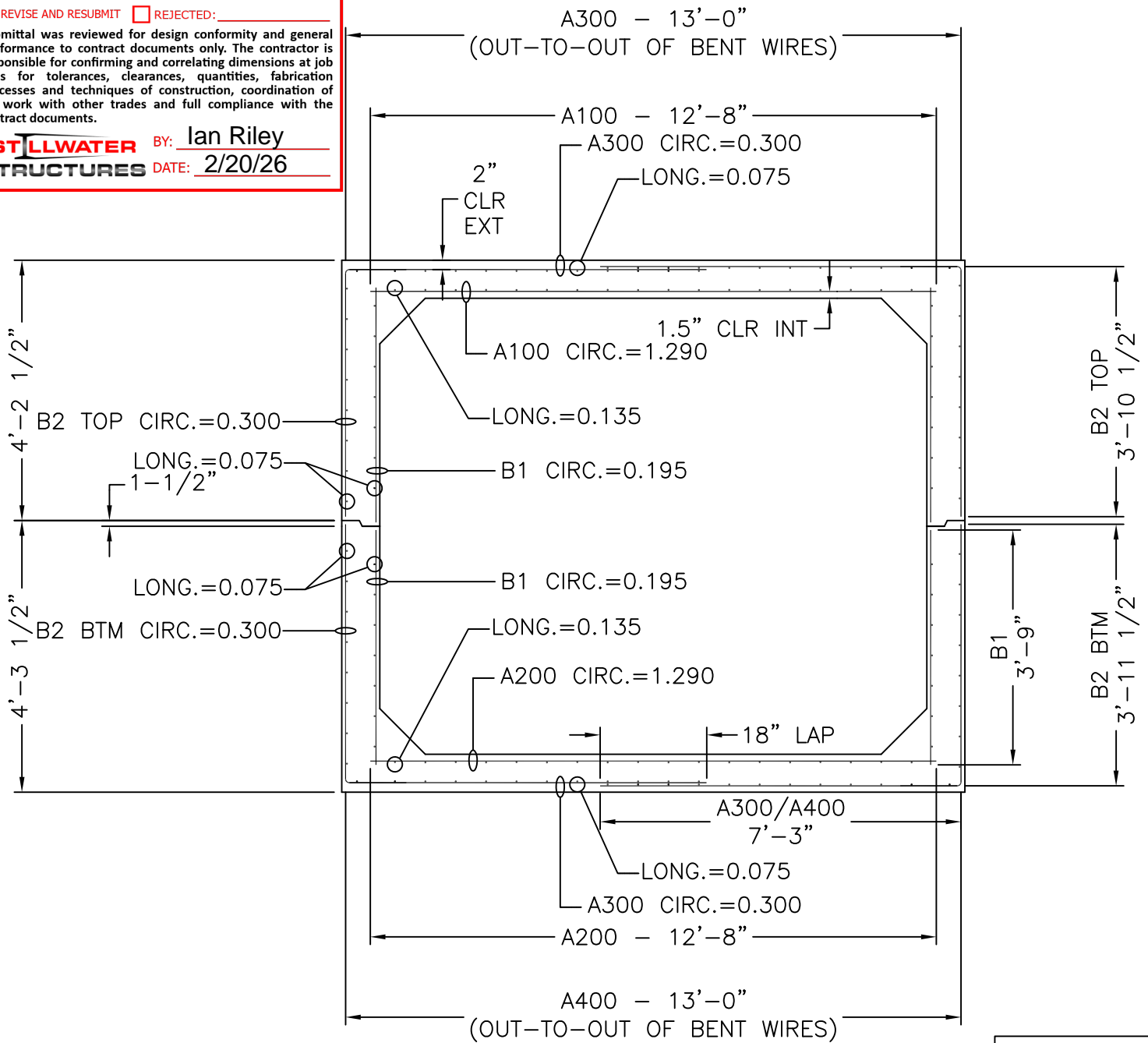
DI.0

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 BY: Ian Riley
STRUCTURES DATE: 2/20/26



12' x 7' x 6'-11 3/4"

CROSS SECTION WITH AREAS OF STEEL

SLAB THICKNESS	
TOP	10"
BOTTOM	8"
WALLS	8"

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

CAGE WEIGHT PER JOINT = 1335.0 lbs

BOX SIZE: 12' X 7' X 6'-11 3/4"	ASTM: HL-93	TABLE: 125%	FILL: 3.25'-4.5"
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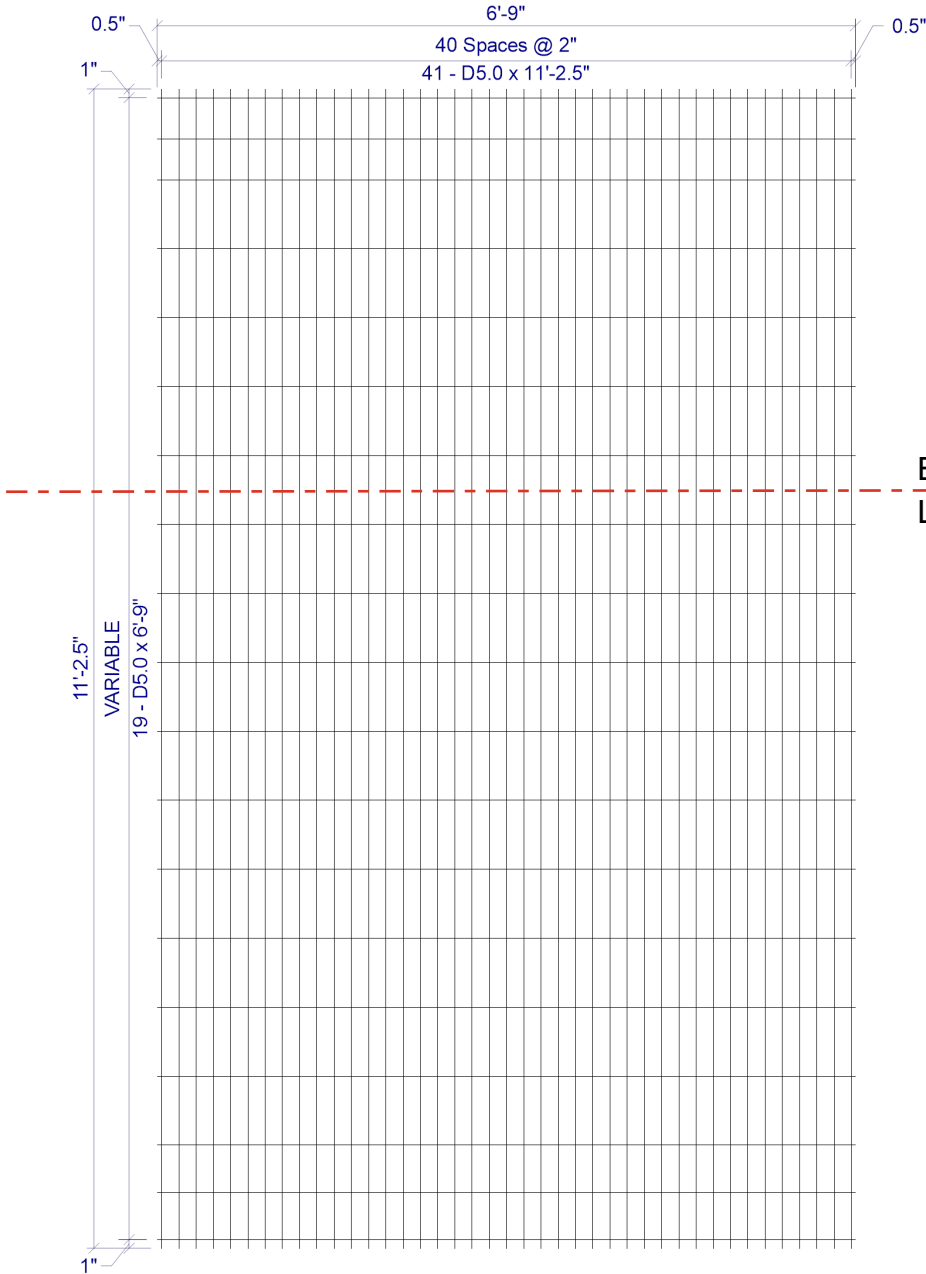
Concrete Reinforcements, Inc.
 3830 Presidents Way
 Jacksonville, FL 32220
 PH. 904-520-7100 FAX. 904-520-7101

CUSTOMER: AMERICAN CONCRETE	DRAWN BY: BWA	REVISION: -	SHEET DESCRIPTION: COVER	
PROJECT: 12' X 7' X 6'-11 3/4" PADDY - MEDFORD	DATE: 2/19/2026	REVISION DATE: -	FILE NAME: F26-4101	
CHECKED BY: BWA	SCALE: NTS	PROJECT #: F26-4101	SHEET #: 1 OF 5	

SHEET DESIGN



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



CUSTOMER American Concrete
 PROJECT F26-4101 - Drawings - 12x7 Paddy-Medford - American Concrete - 2-19-2026
 LOCATION Veazie, ME
 DATE 02-19-2026 MARK NUMBER B2 Top (-01)

L.W.SPACE 2"
 C.W.SPACE VAR
 L.W.1 SIZE D5.0
 L.W.2 SIZE N/A
 C.W.SIZE D5.0
 WIDTH 6'-9"
 LENGTH 11'-2.5"
 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	41	N/A
SIZE	D5.0	N/A	D5.0
LENGTH	11'-2.5"	-	6'-9"
W.T./SHEET			
SHEET W.T.	99.92#		
QUANTITY	28		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

BEND LINE

2 x VAR D5.0 / D5.0 (GRADE 75) 80(+0.5, +0.5) x 11'-2.5"(1, 1)
 VAR = 1" OH, 2@4.75", 14@8", 2@5.5", 1" OH

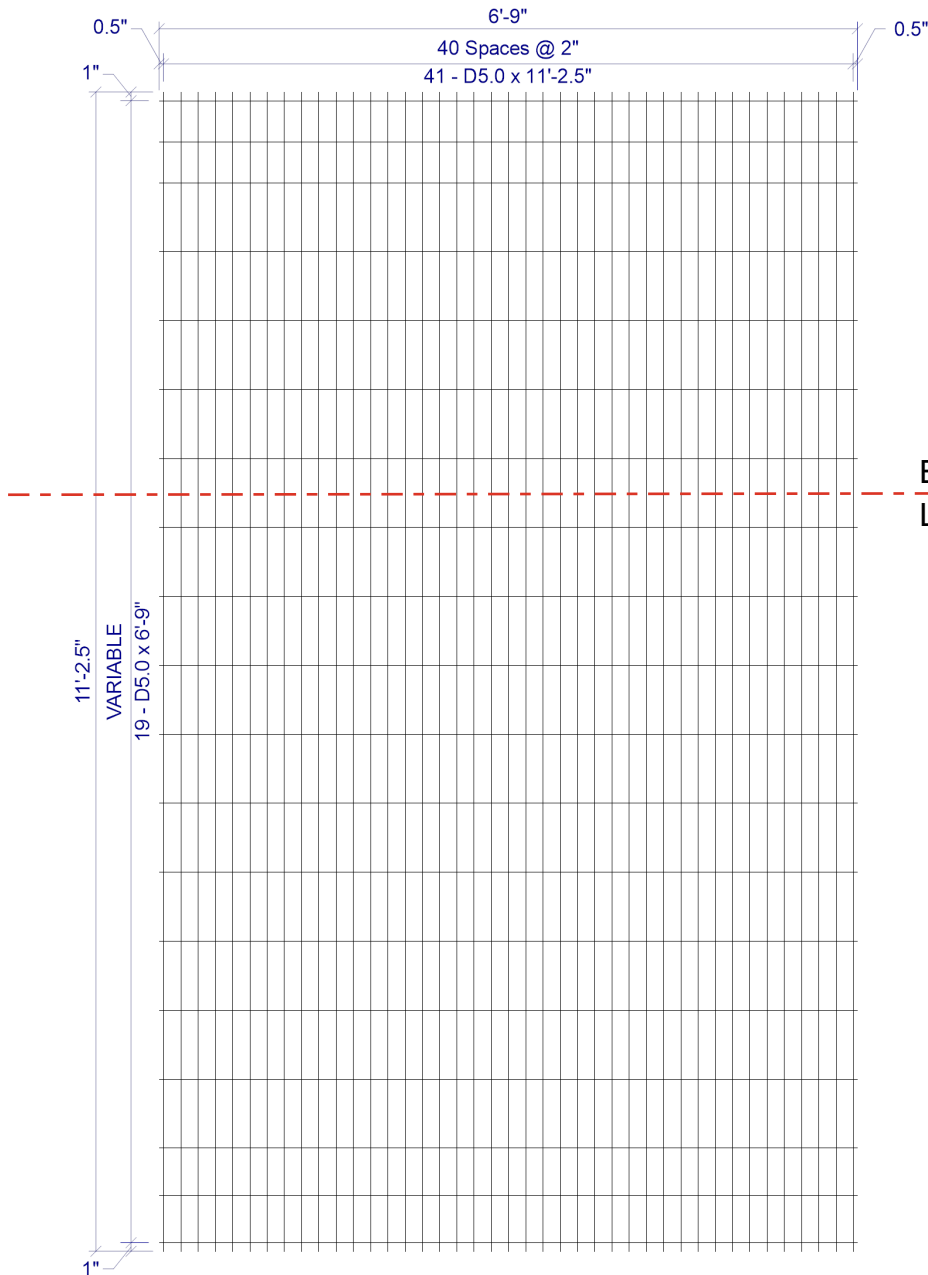
SPECIAL REMARKS:
 BEND DIMS: WALL=46.5", SLAB=88"

APPROVED _____

SHEET DESIGN



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



BEND LINE

CUSTOMER American Concrete
 PROJECT F26-4101 - Drawings - 12x7 Paddy-Medford - American Concrete - 2-19-2026
 LOCATION Veazie, ME
 DATE 02-19-2026 MARK NUMBER B2 Btm (-02)

L.W.SPAC 2"
 C.W.SPAC VAR
 L.W.1 SIZE D5.0
 L.W.2 SIZE N/A
 C.W.SIZE D5.0
 WIDTH 6'-9"
 LENGTH 11'-2.5"
 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	41	N/A
SIZE	D5.0	N/A	D5.0
LENGTH	11'-2.5"	-	6'-9"
W.T./SHEET			
SHEET W.T.	99.92#		
QUANTITY	28		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

SPECIAL REMARKS:
 BEND DIMS: WALL=47.5", SLAB=87"

2 x VAR D5.0 / D5.0 (GRADE 75) 80(+0.5, +0.5) x 11'-2.5"(1, 1)
 VAR = 1" OH, 2@4.75", 14@8", 2@5.5", 1" OH

APPROVED _____

SHEET DESIGN



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

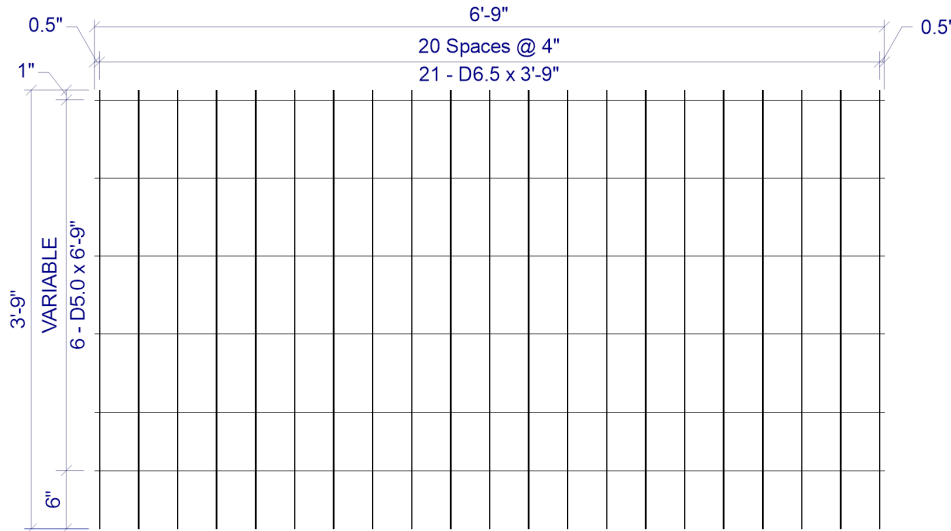
CUSTOMER American Concrete
 PROJECT F26-4101 - Drawings - 12x7 Paddy-Medford - American Concrete - 2-19-2026
 LOCATION Veazie, ME
 DATE 02-19-2026 MARK NUMBER B1 (-03)

L.W.SPACE 4"
 C.W.SPACE VAR
 L.W.1 SIZE D6.5
 L.W.2 SIZE N/A
 C.W.SIZE D5.0
 WIDTH 6'-9"
 LENGTH 3'-9"
 OH.LEFT 0.5"
 OH.RIGHT 0.5"
 OH.TOP 1"
 OH.BOTTOM 6"
 YIELD 75,000psi
 BENT -
 CUT -
 ROLL -

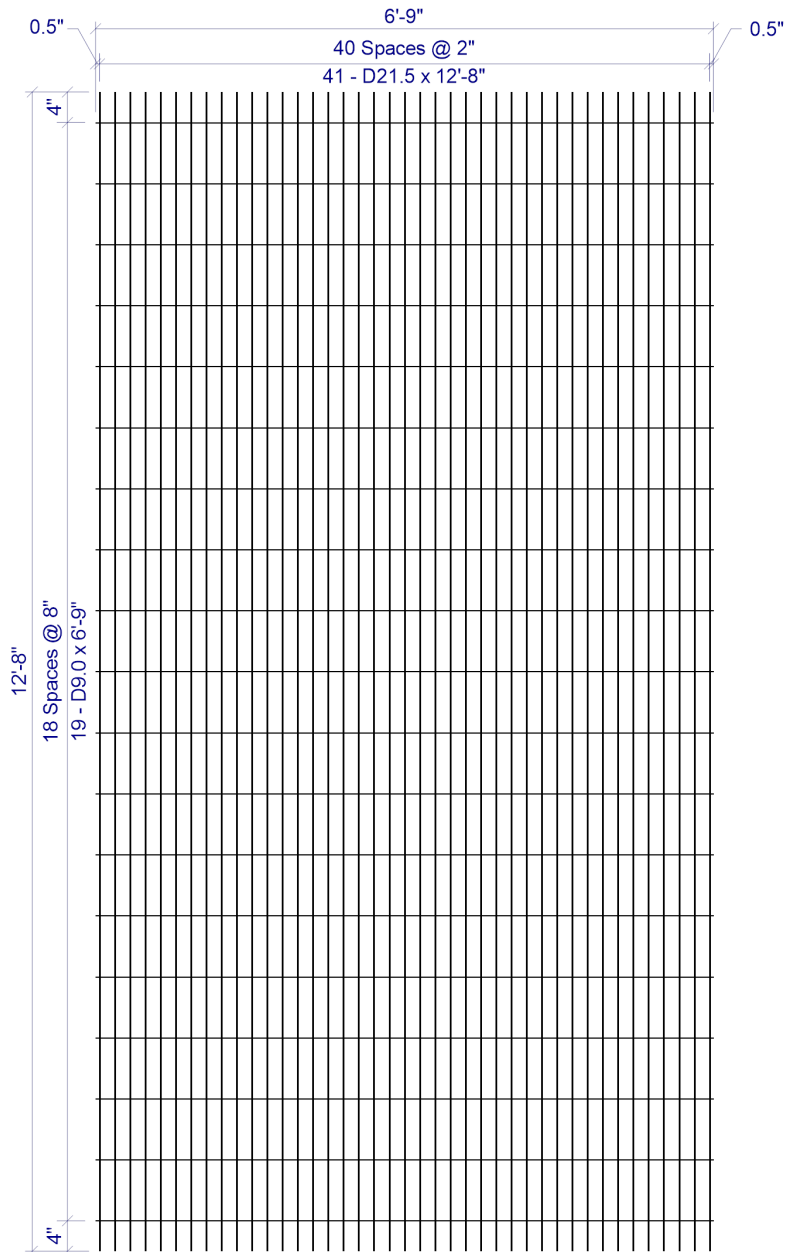
W I R E S	LINE WIRE 1	LINE WIRE 2	CROSS WIRE
	NO. PER SHEET	21	N/A
SIZE	D6.5	N/A	D5.0
LENGTH	3'-9"	-	6'-9"
W.T./SHEET			
SHEET W.T.	24.29#		
QUANTITY	56		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

SPECIAL REMARKS:

APPROVED _____



4 x VAR D6.5 / D5.0 (GRADE 75) 80(+0.5, +0.5) x 3'-9" (1, 6)
 VAR = 1" OH, 4@8", 1@6", 6" OH



2 x 8 D21.5 / D9.0 (GRADE 75) 80(+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
PROJECT F26-4101 - Drawings - 12x7 Paddy-Medford - American Concrete - 2-19-2026
LOCATION Veazie, ME
DATE 02-19-2026 MARK NUMBER A100/A200 (-04)

L.W.SPACED 2"
C.W.SPACED 8"
L.W.1 SIZE D21.5
L.W.2 SIZE N/A
C.W.SIZE D9.0
WIDTH 6'-9"
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	41	N/A	19
SIZE	D21.5	N/A	D9.0
LENGTH	12'-8"	-	6'-9"
W.T./SHEET			
SHEET W.T.	418.88#		
QUANTITY	28		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

SPECIAL REMARKS:

APPROVED _____