

# OVERALL



American Concrete Industries

1717 STILLWATER AVE. VEAZIE, ME. 04401

TEL: 207-947-8334

FAX: 207-947-3580

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## BILL OF MATERIALS

ITEM	QTY	DESCRIPTION	WEIGHT# EA
1	1	UPSTREAM END TOP W/ ATTACHED HEADWALL	28,425
2	1	UPSTREAM END BOTTOM	29,480
3	7	MID SECTION TOP	25,280
4	7	MID SECTION BOTTOM	28,910
5	1	DOWNSTREAM END TOP W/ ATTACHED HEADWALL	27,460
6	1	DOWNSTREAM END BOTTOM	28,360
7	2	SLOPED END 1	30,165
8	2	SLOPED END 2 (18,450# EA)	36,900
9	2	1' x 2' x 17'-8" TOEWALL	5,150
10	30	#8 x 24" TOEWALL PIN (SHIPPED LOOSE)	

### 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: 5.00'

MAXIMUM ALLOWABLE FILL: 6.50'

NOTE: Some details not shown for clarity.

SCALE: 1/8" = 1'-0" Unless noted otherwise.

STRUCTURE NAME:  
16' x 10' x 92' CLAMHELL CULVERT

JOB NAME:  
ROUTE 16 (WIN: 021794.10)

LOCATION:  
KINGSBURY, ME

CONTRACTOR:  
ME DOT

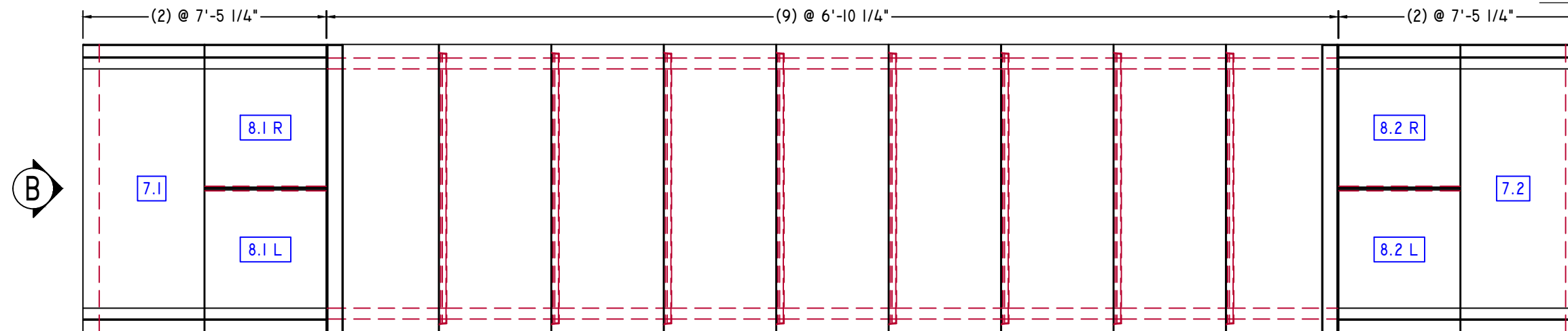
DRAWN BY:  
SSM

DATE:  
01/27/2026

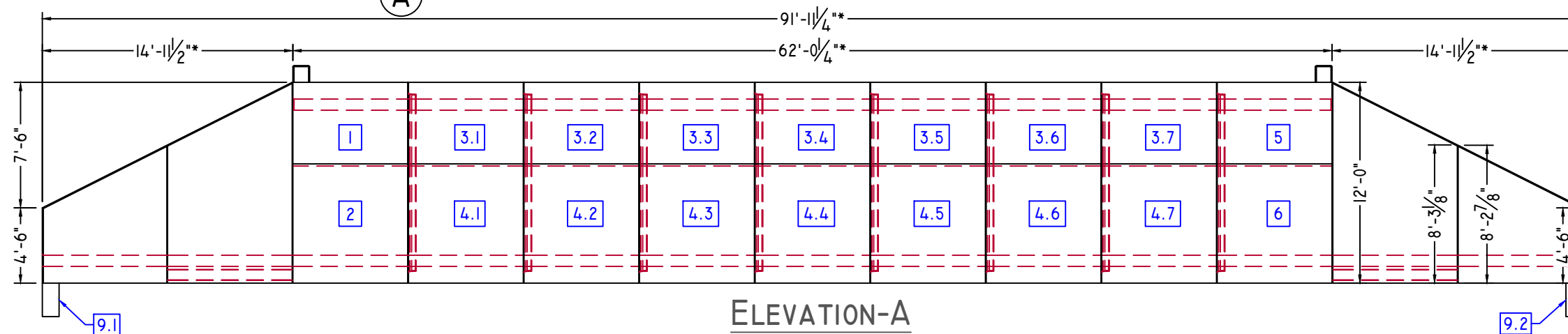
REV.#:  
0.00

DATE:  
01/27/2026

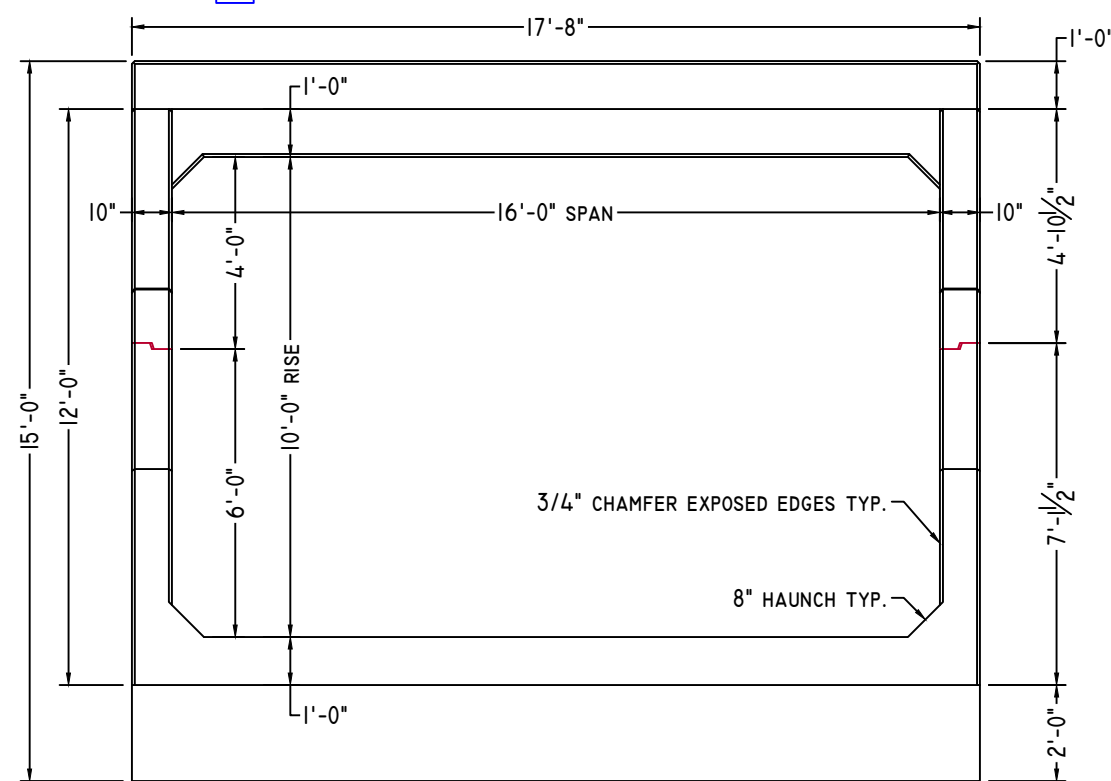
CI.0



PLAN VIEW

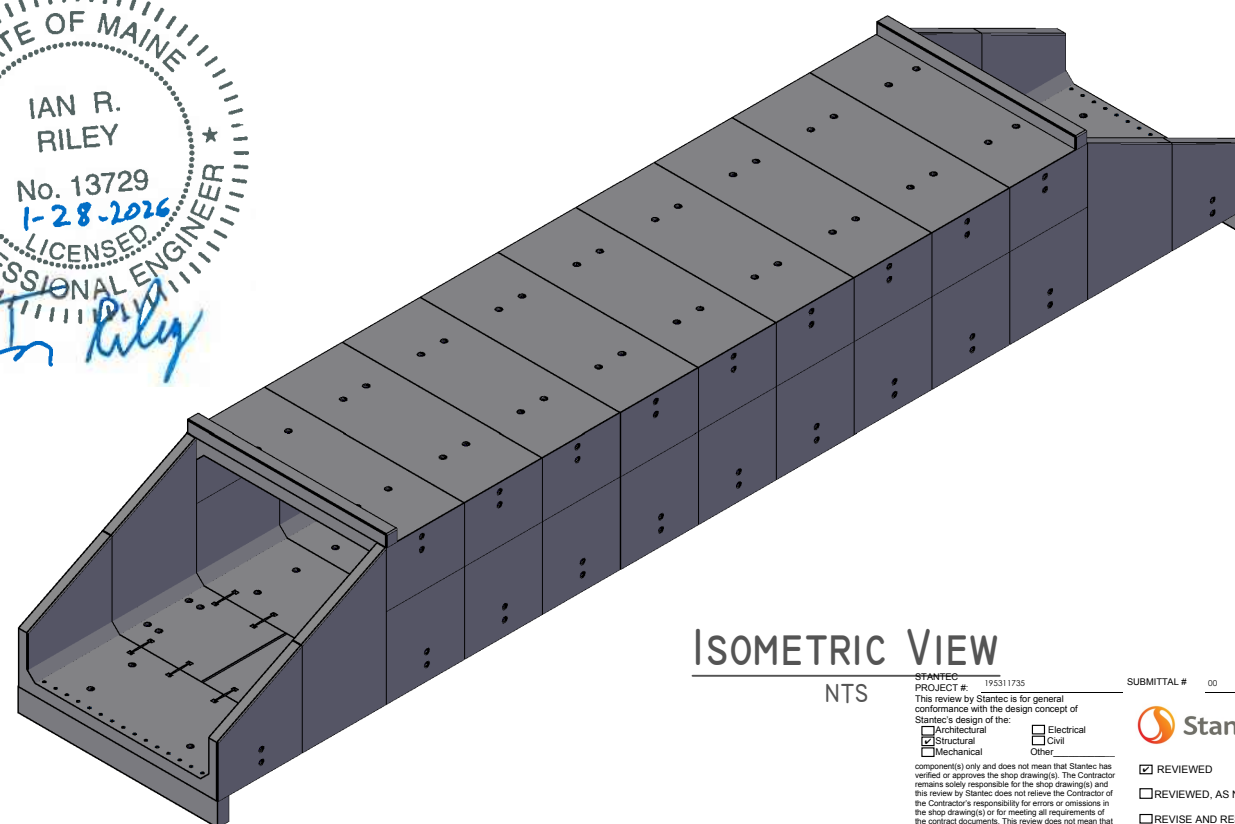
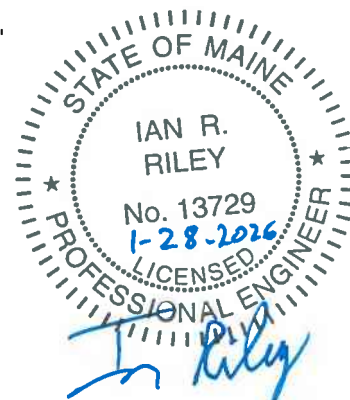


ELEVATION-A



ELEVATION-B

1/4" = 1'-0"



ISOMETRIC VIEW

NTS

PROJECT # 195311735

SUBMITAL # 00

This review by Stantec is for general conformance with the design concept of Stantec's design of the component(s) only and does not mean that Stantec has verified or approved the shop drawings. The Contractor remains solely responsible for the shop drawings and this review by Stantec does not relieve the Contractor of the Contractor's responsibility for errors or omissions in the shop drawings 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 drawings from the contract documents. The Contractor is responsible for confirming all dimensions and consulting 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 2026-02-24

BY: jwilliams

# SLOPED END I



American Concrete Industries

1717 STILLWATER AVE. VEAZIE, ME. 04401

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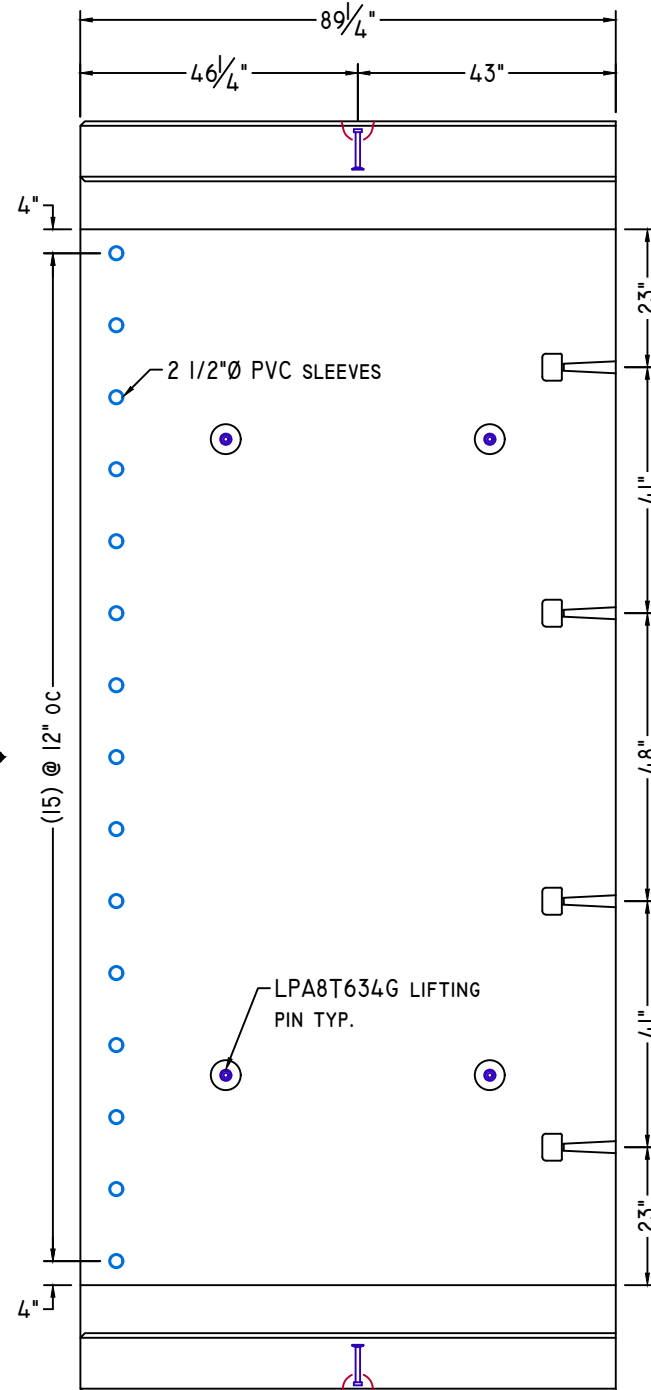
WWW.AMERICANCONCRETE.COM

## BILL OF MATERIALS

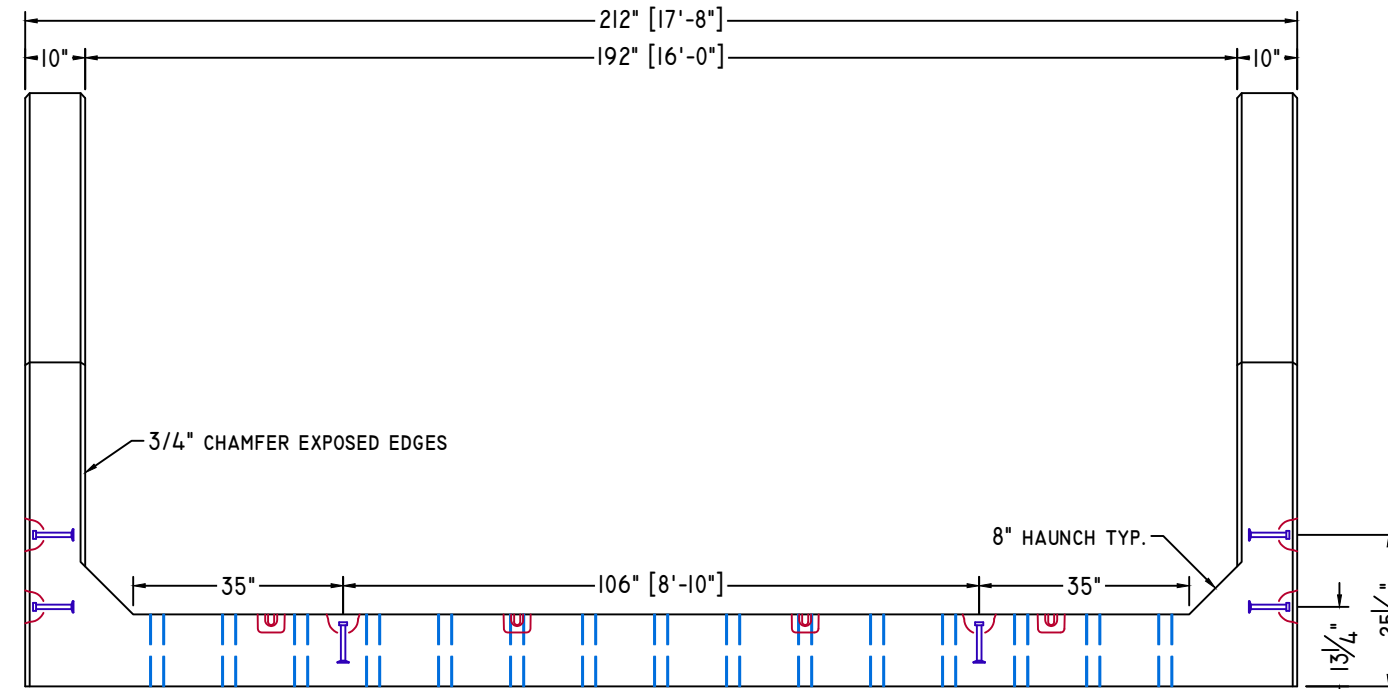
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7	2	SLOPED END I	30,165

### DESIGN NOTES:

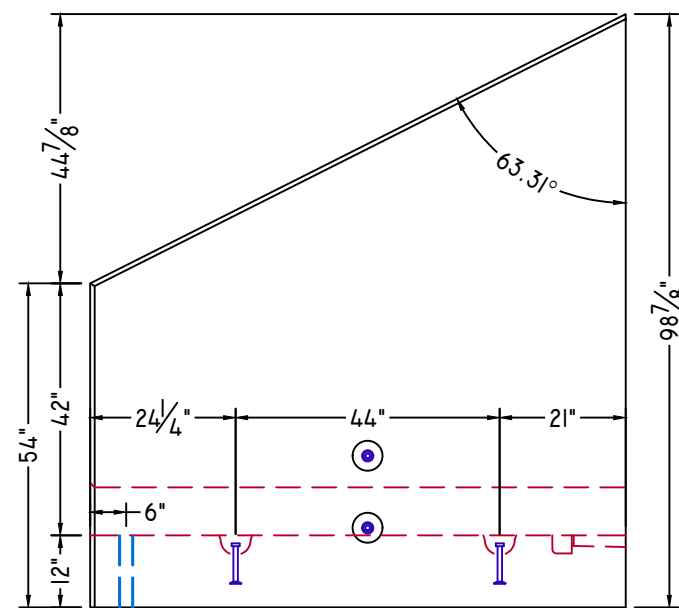
1. **Concrete**
  - 1.1. COMP. STRENGTH MIN. 5,000PSI @ 28 DAYS
  - 1.2. AIR-ENTRAINMENT: 5% MIN - 8% MAX
2. **Structural Reinforcement:**
  - 2.1. BAR PER ASTM A615, GRADE 60
  - 2.2. WWF PER ASTM A1064, GRADE 75
  - 2.3. SUPPLEMENTAL REINFORCING AS SHOWN
  - 2.4. DESIGNED FOR 125% HL-93 WHEEL LOAD 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: 5.00'
  - MAXIMUM ALLOWABLE FILL: 6.50'



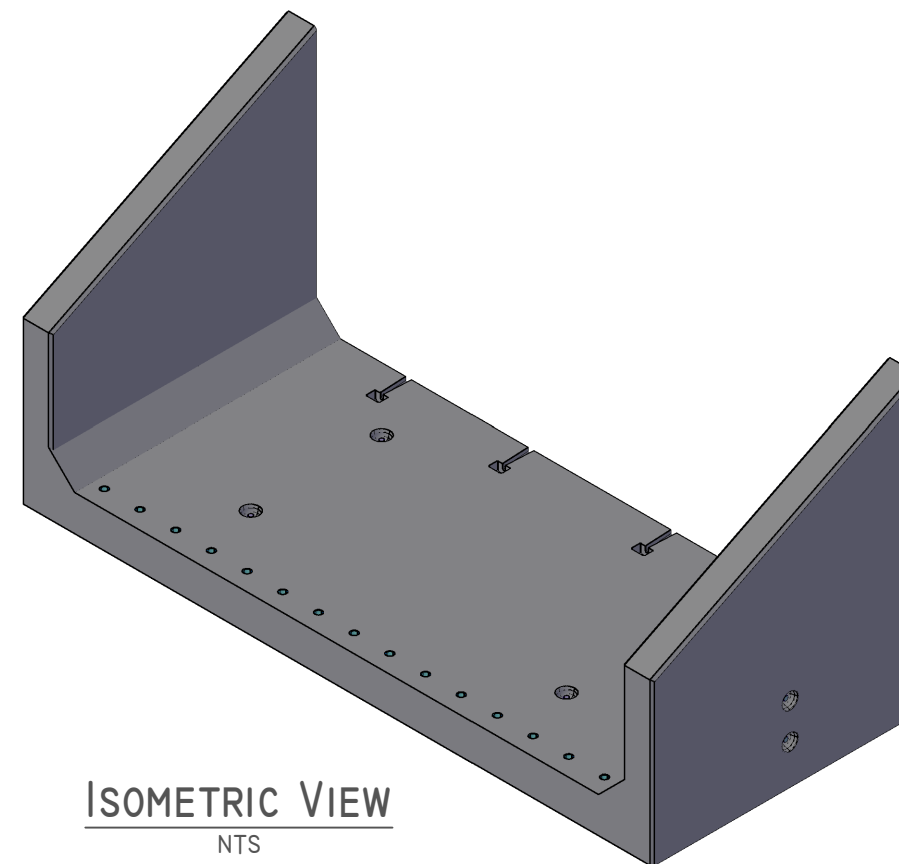
PLAN VIEW



ELEVATION-B



ELEVATION-A



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

STRUCTURE NAME:  
16' x 10' x 92' CLAMHELL CULVERT

JOB NAME:  
ROUTE 16 (WIN: 021794.10)

LOCATION:  
KINGSBURY, ME

CONTRACTOR:  
ME DOT

DRAWN BY: SSM  
DATE: 01/27/2026

REV.#: 0.00  
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CI.1

# SLOPED END 2



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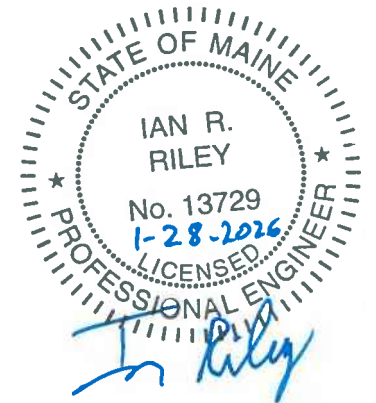
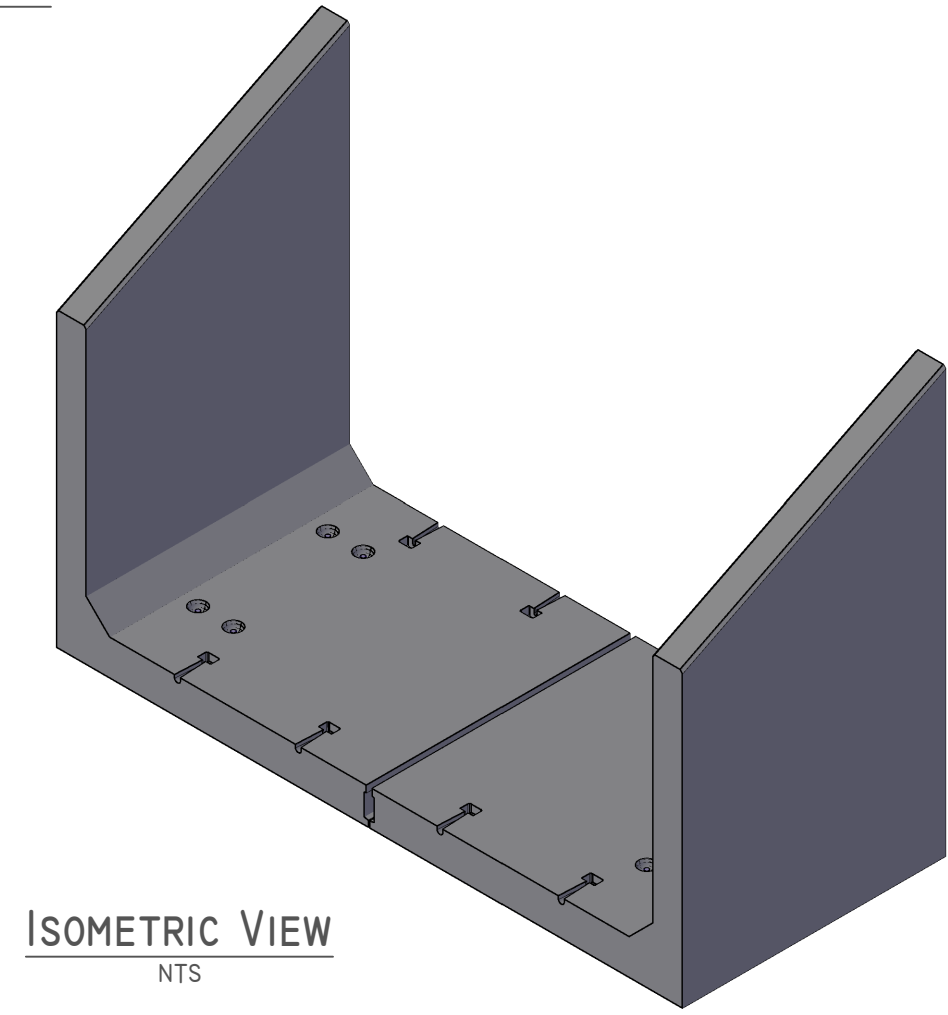
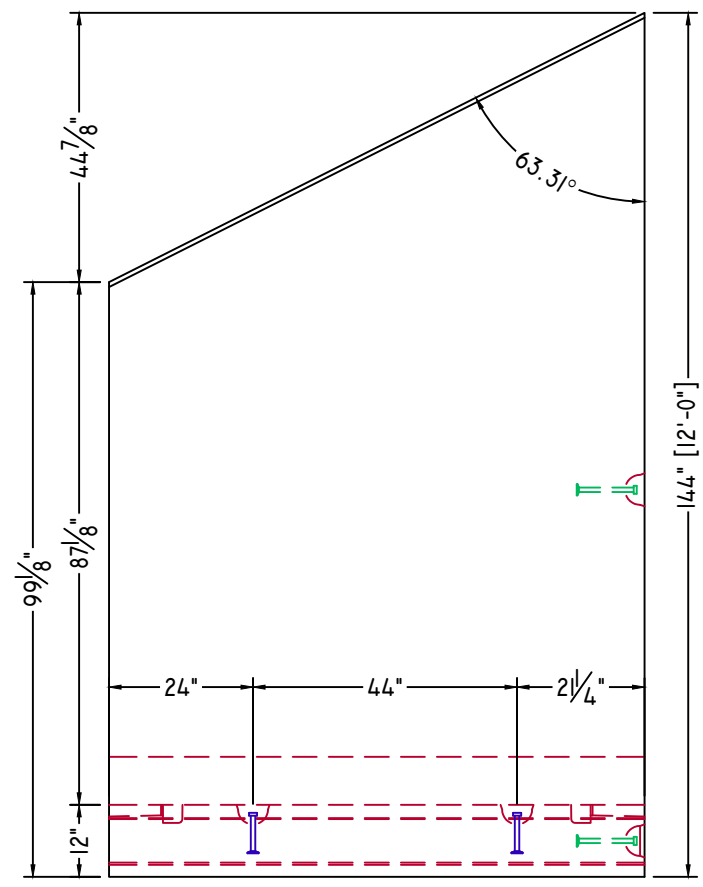
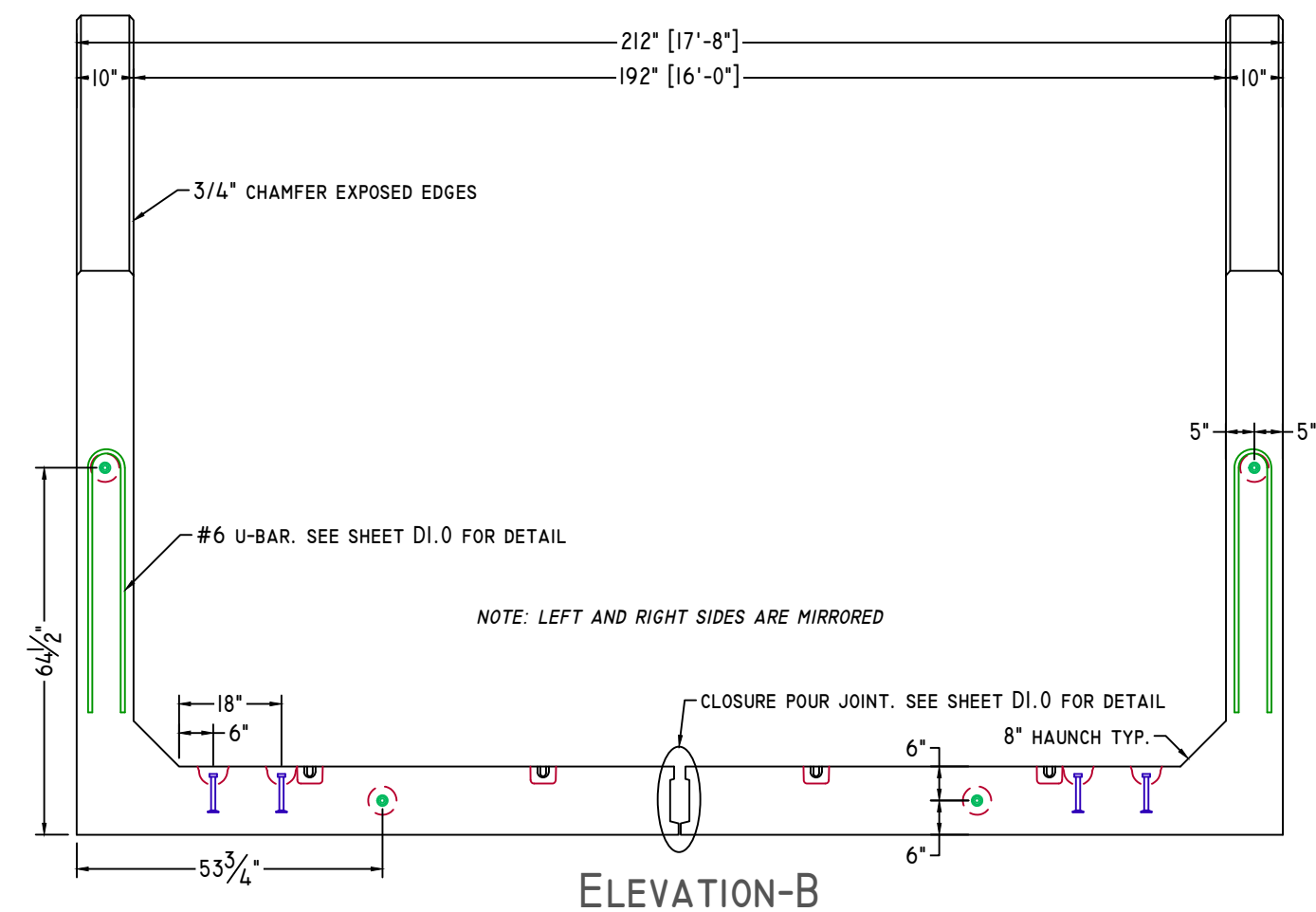
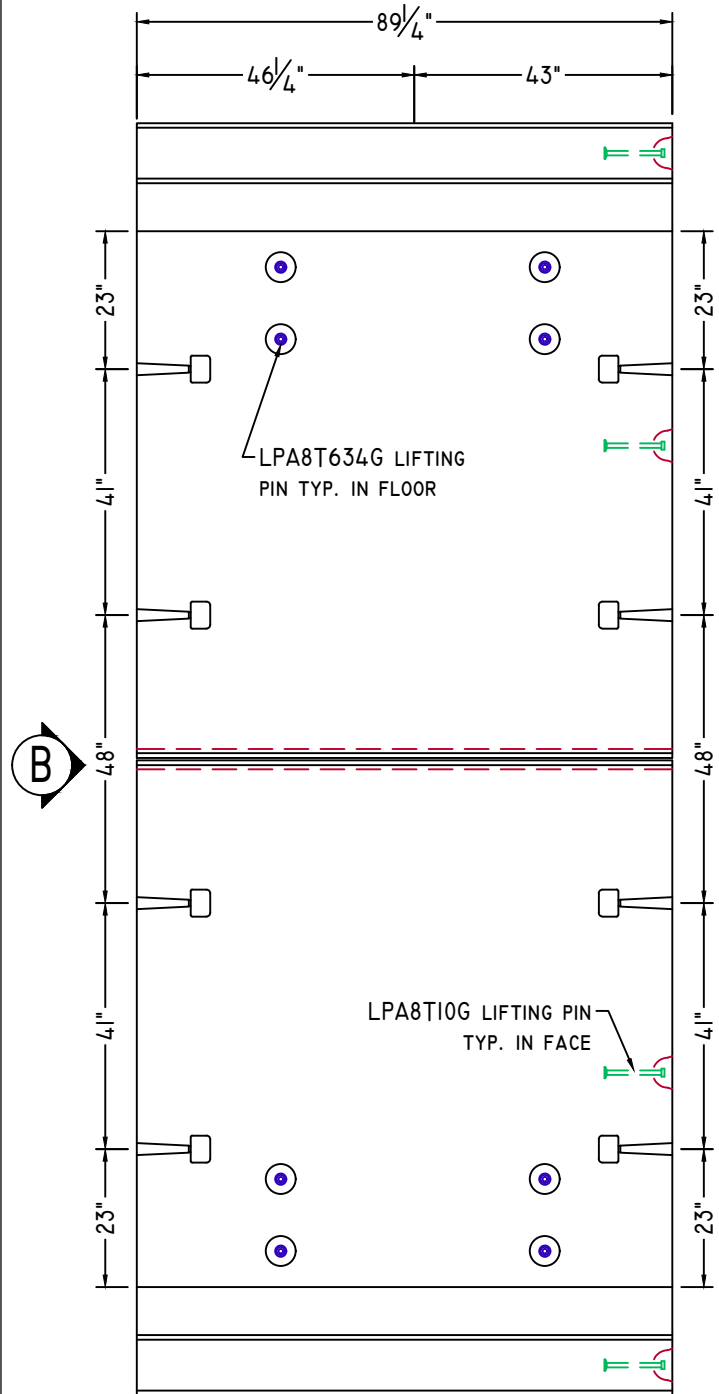
## BILL OF MATERIALS

ITEM	QTY	DESCRIPTION	WEIGHT# EA
8	2	SLOPED END 2 (18,450# EA)	36,900

### DESIGN NOTES:

1. **Concrete**
  - 1.1. COMP. STRENGTH MIN. 5,000PSI @ 28 DAYS
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  - 2.5. 2" CLR EXT., 1 1/2" CLR INT. UNLESS NOTED OTHERWISE
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  - 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: 5.00'  
 MAXIMUM ALLOWABLE FILL: 6.50'



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

STRUCTURE NAME: 16' x 10' x 92' CLAMHELL CULVERT  
 JOB NAME: ROUTE 16 (WIN: 021794.10)  
 LOCATION: KINGSBURY, ME  
 CONTRACTOR: ME DOT

DRAWN BY: SSM	DATE: 01/27/2026
REV.#: 0.00	DATE: 01/27/2026

CI.2

# UPSTREAM END



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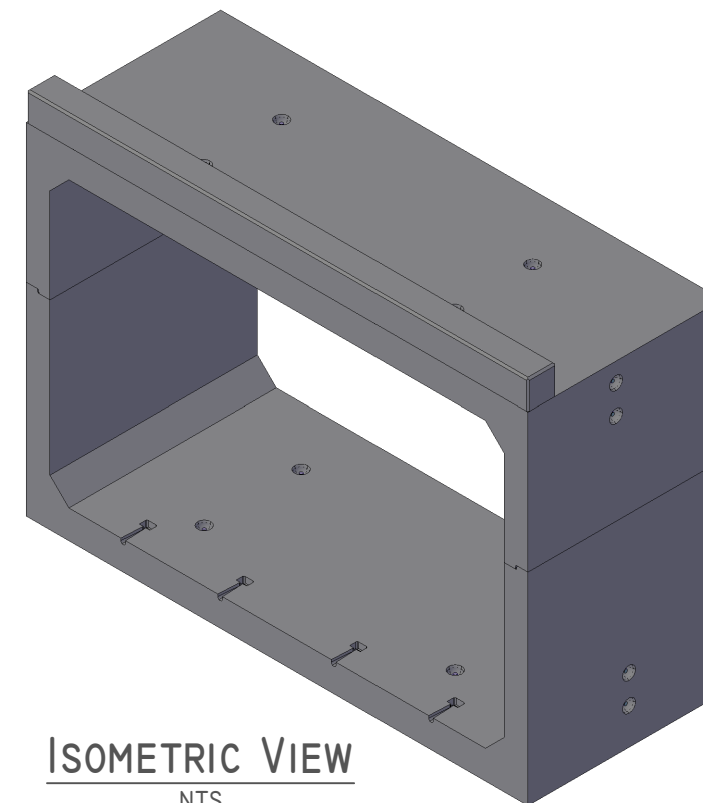
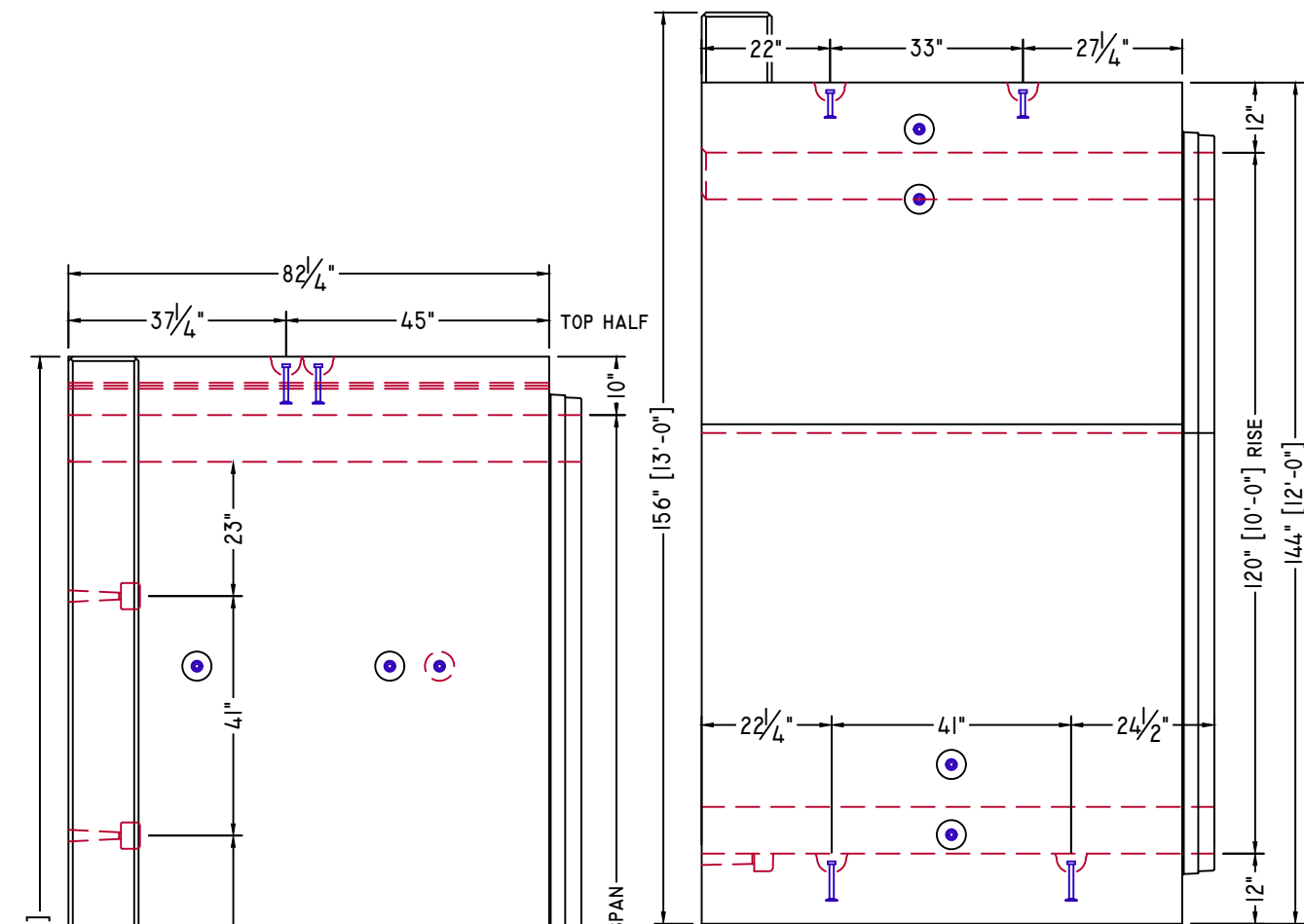
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## BILL OF MATERIALS

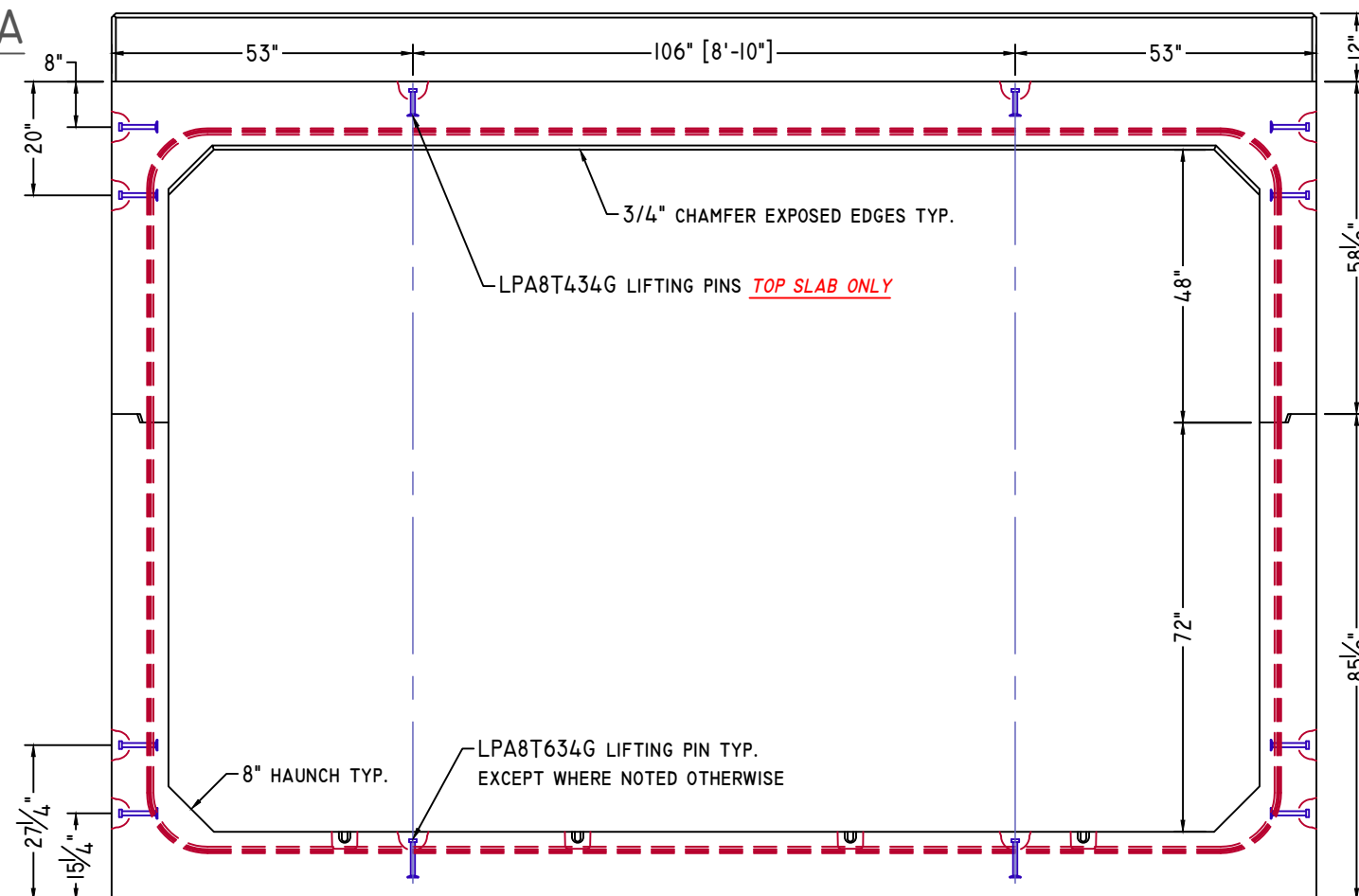
ITEM	QTY	DESCRIPTION	WEIGHT# EA
1	1	UPSTREAM END TOP W/ ATTACHED HEADWALL	28,425
2	1	UPSTREAM END BOTTOM	29,480

### DESIGN NOTES:

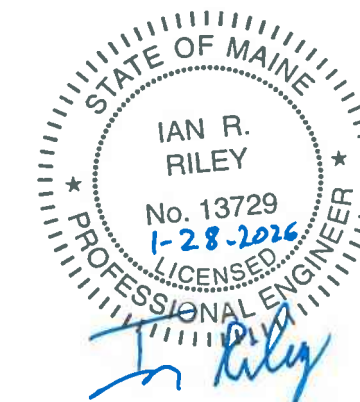
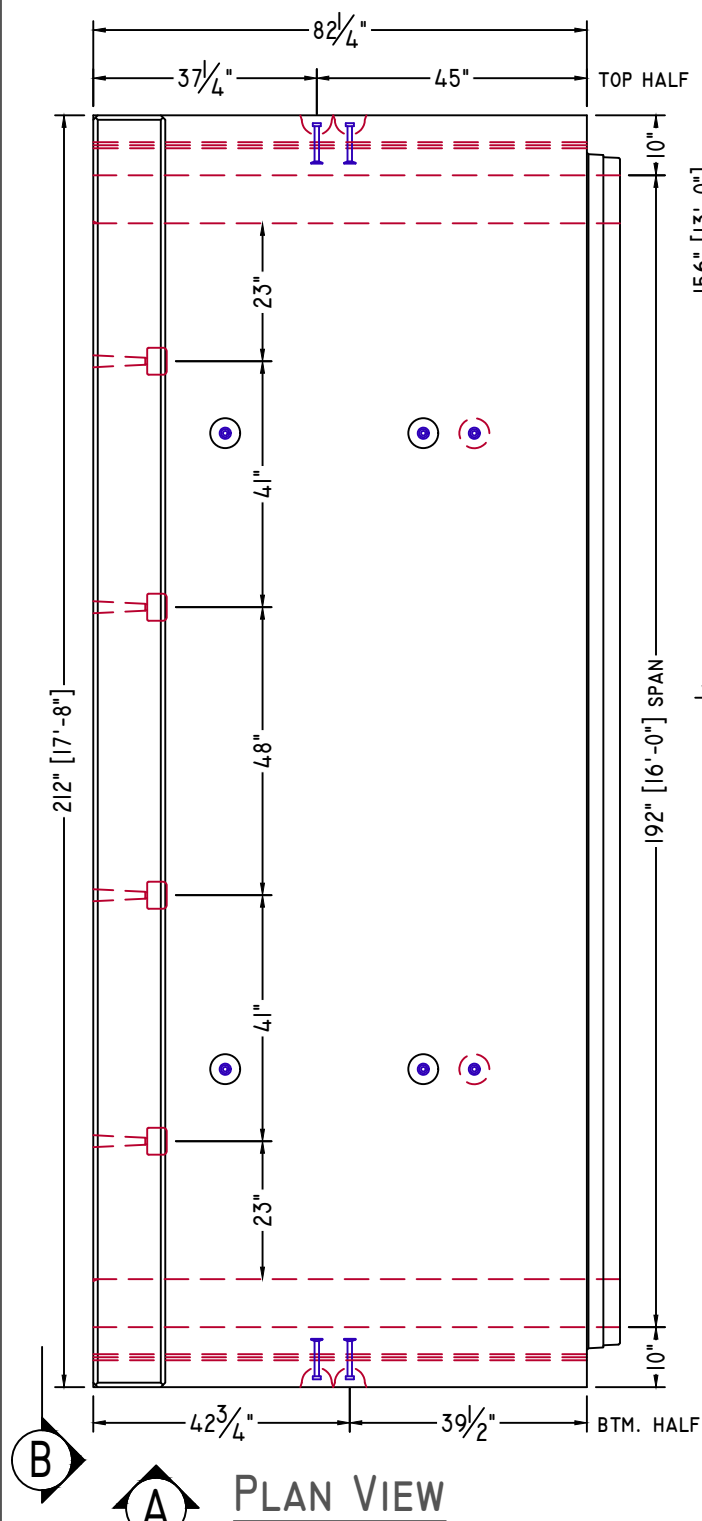
- Concrete**
  - 1.1. COMP. STRENGTH MIN. 5,000PSI @ 28 DAYS
  - 1.2. AIR-ENTRAINMENT: 5% MIN - 8% MAX
- Structural Reinforcement:**
  - 2.1. BAR PER ASTM A615, GRADE 60
  - 2.2. WWF PER ASTM A1064, GRADE 75
  - 2.3. SUPPLEMENTAL REINFORCING AS SHOWN
  - 2.4. DESIGNED FOR 125% HL-93 WHEEL LOAD RATING
  - 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: 5.00'
  - MAXIMUM ALLOWABLE FILL: 6.50'



**ELEVATION-A**



**ELEVATION-B**



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

STRUCTURE NAME:  
16' x 10' x 92' CLAMHELL CULVERT

JOB NAME:  
ROUTE 16 (WIN: 021794.10)

LOCATION:  
KINGSBURY, ME

CONTRACTOR:  
ME DOT

DRAWN BY: SSM  
DATE: 01/27/2026

REV.#: 0.00  
DATE: 01/27/2026

CI.3

# MID SECTION



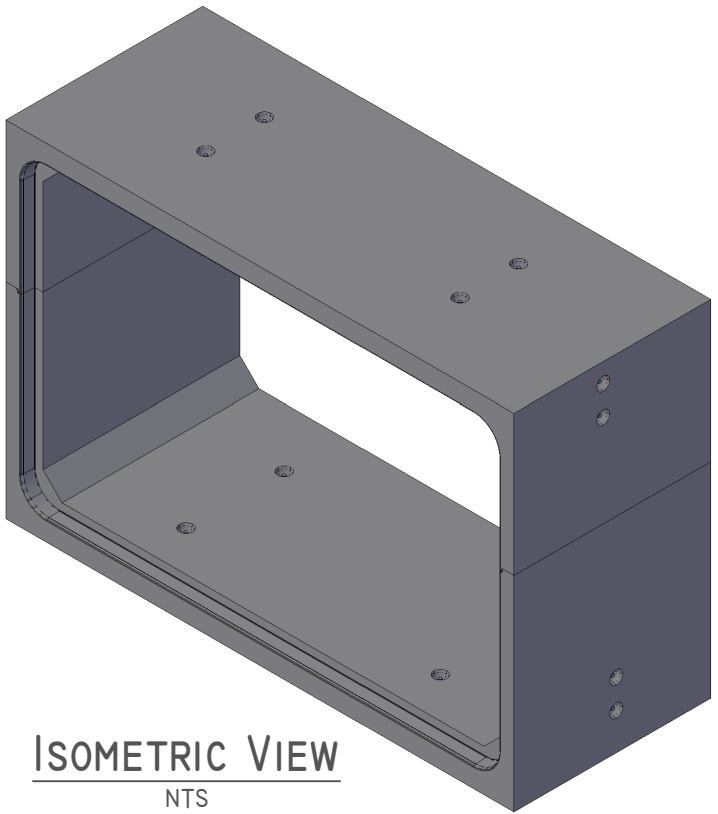
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## BILL OF MATERIALS

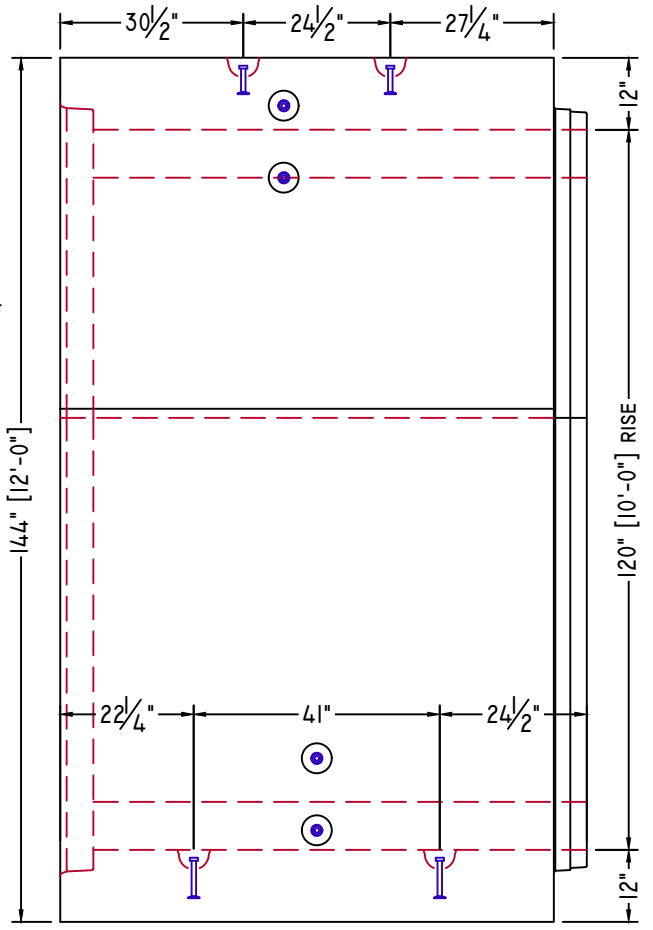
ITEM	QTY	DESCRIPTION	WEIGHT# EA
3	7	MID SECTION TOP	25,280
4	7	MID SECTION BOTTOM	28,910

- DESIGN NOTES:
- Concrete**
    - 1.1. COMP. STRENGTH MIN. 5,000PSI @ 28 DAYS
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  - Soil / Fill Requirements:**

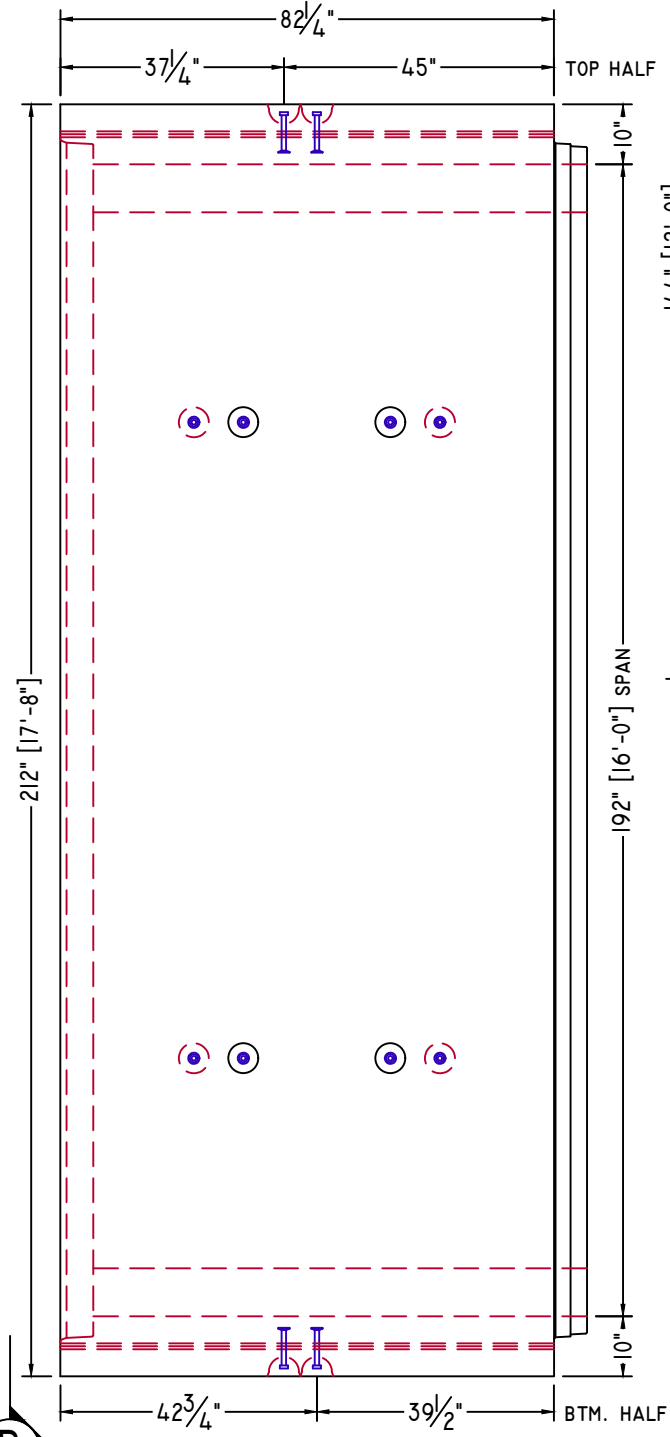
MINIMUM ALLOWABLE FILL: 5.00'  
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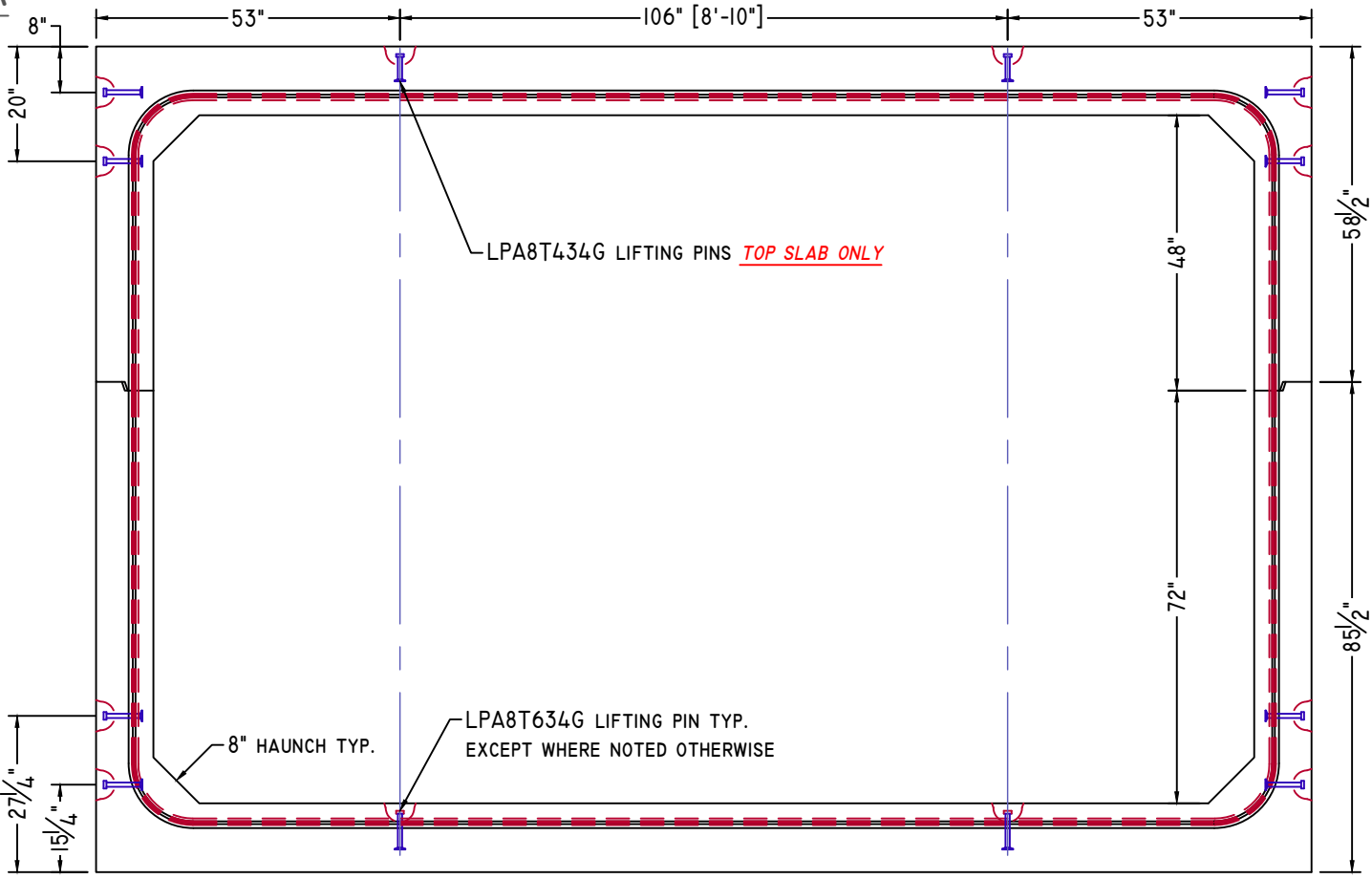
ISOMETRIC VIEW  
NTS



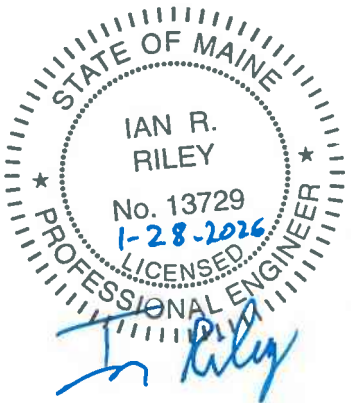
ELEVATION-A



PLAN VIEW



ELEVATION-B



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

STRUCTURE NAME: 16' x 10' x 92' CLAMHELL CULVERT	
JOB NAME: ROUTE 16 (WIN: 021794.10)	
LOCATION: KINGSBURY, ME	
CONTRACTOR: ME DOT	
DRAWN BY: SSM	DATE: 01/27/2026
REV.#: 0.00	DATE: 01/27/2026

CI.4

# DOWNSTREAM END



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## BILL OF MATERIALS

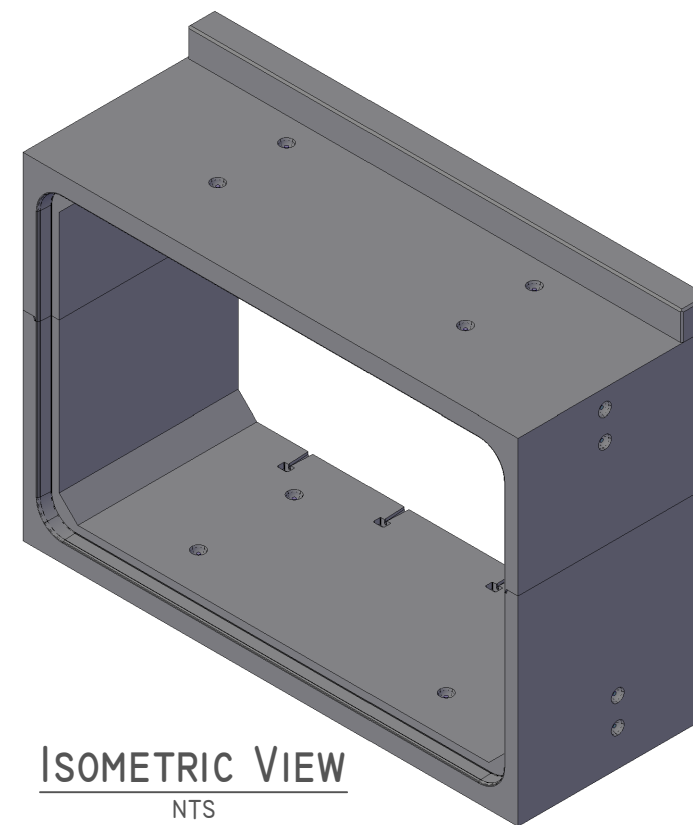
ITEM	QTY	DESCRIPTION	WEIGHT# EA
5	1	DOWNSTREAM END TOP W/ ATTACHED HEADWALL	27,460
6	1	DOWNSTREAM END BOTTOM	28,360

### 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:**
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  - JOINTS SEALED WITH BUTYL RUBBER SEALANT.
  - ALL JOINTS FILLED W/ NON-SHRINK GROUT AFTER INSTALLATION.
- Soil / Fill Requirements:**

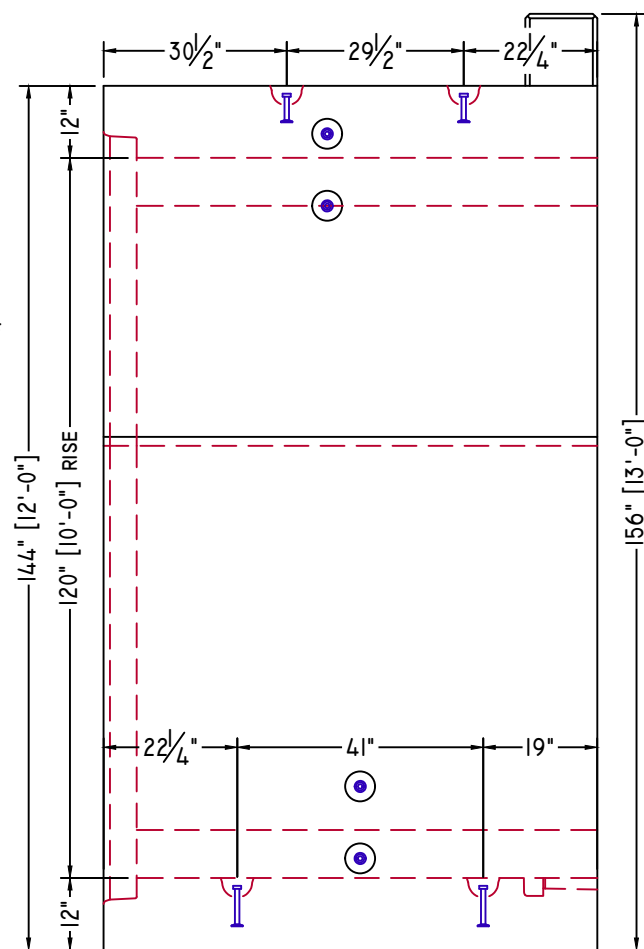
MINIMUM ALLOWABLE FILL: 5.00'

MAXIMUM ALLOWABLE FILL: 6.50'

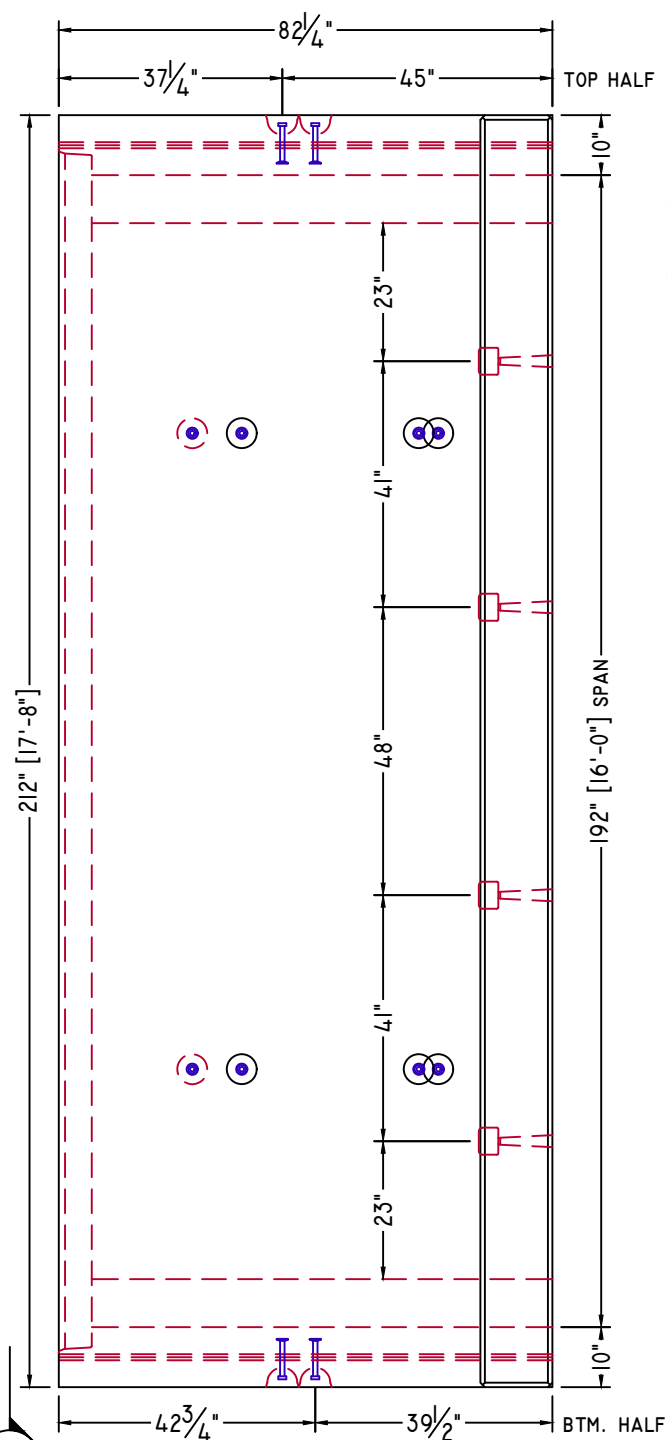


ISOMETRIC VIEW

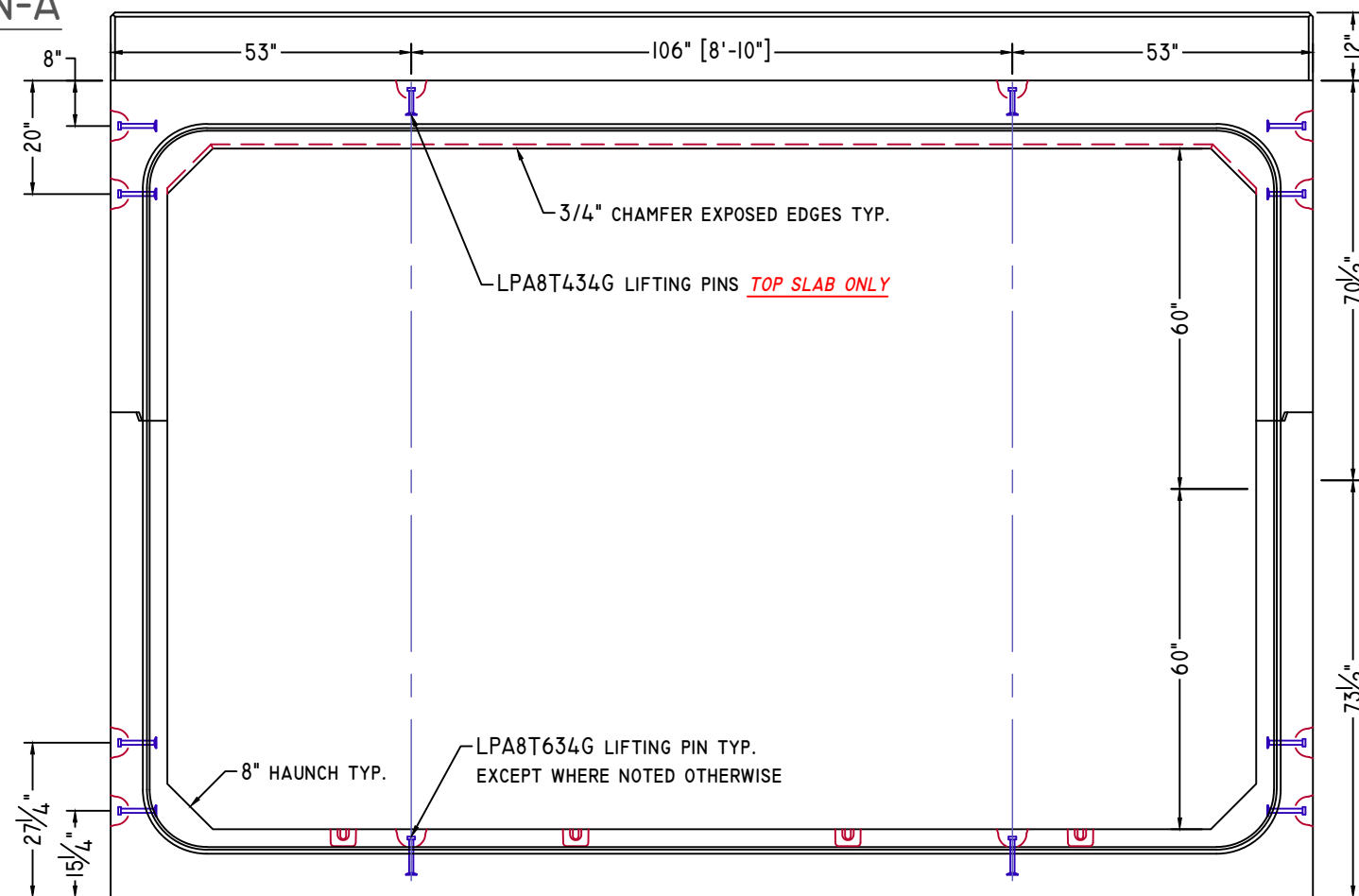
NTS



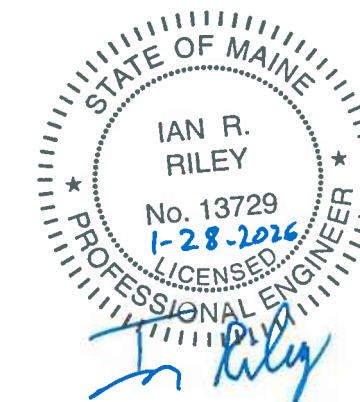
ELEVATION-A



PLAN VIEW



ELEVATION-B



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

STRUCTURE NAME: 16' x 10' x 92' CLAMHELL CULVERT	
JOB NAME: ROUTE 16 (WIN: 021794.10)	
LOCATION: KINGSBURY, ME	
CONTRACTOR: ME DOT	
DRAWN BY: SSM	DATE: 01/27/2026
REV.#: 0.00	DATE: 01/27/2026

CI.5

# STANDARD DETAILS



American Concrete Industries

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TEL: 207-947-8334

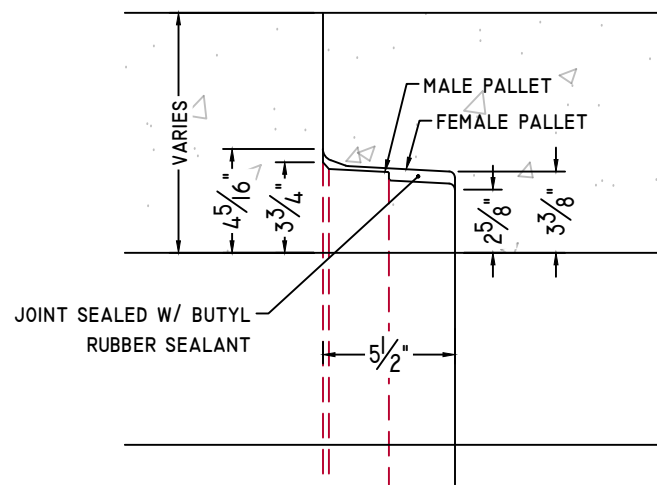
FAX: 207-947-3580

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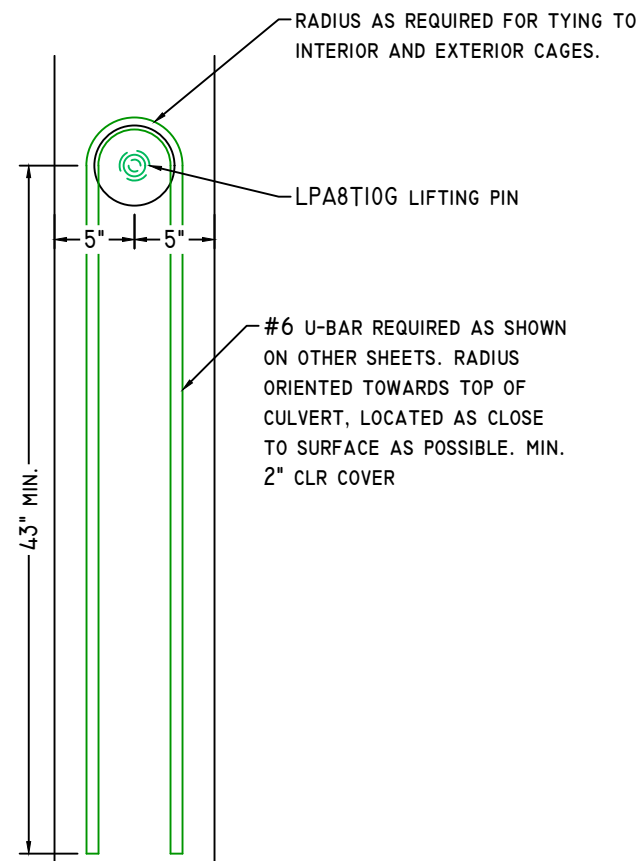
## BILL OF MATERIALS

ITEM	QTY	DESCRIPTION	WEIGHT# EA
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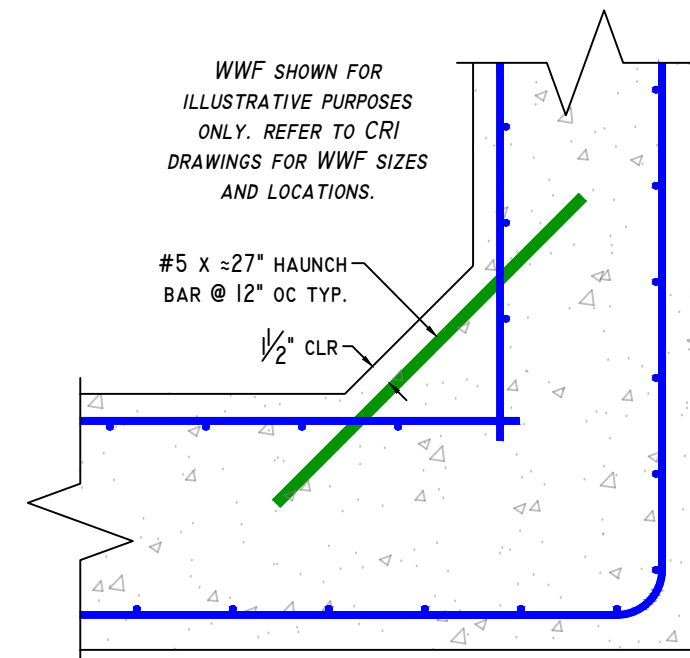


**CULVERT JOINT DETAIL**



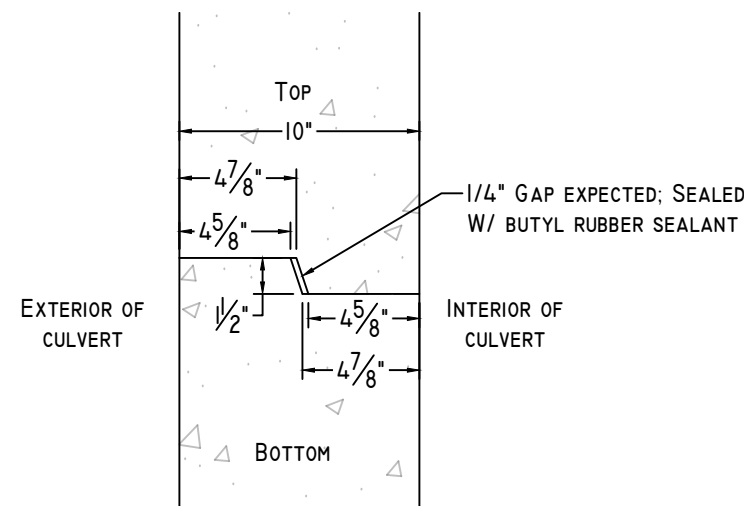
**#6 U-BAR DETAIL**

1" = 1'-0"

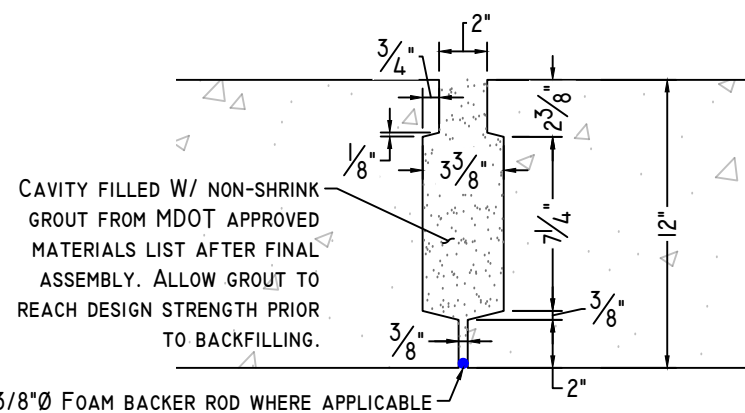


**HAUNCH BAR DETAIL**

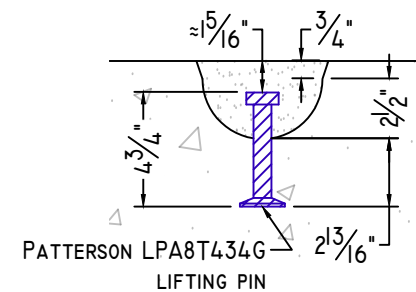
1" = 1'-0"



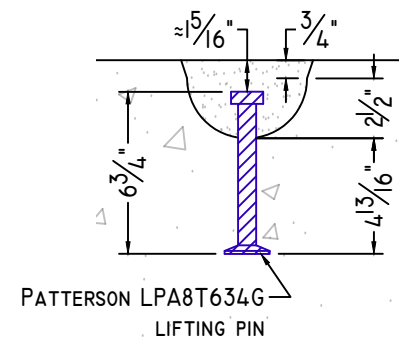
**CLAMSHELL JOINT DETAIL**



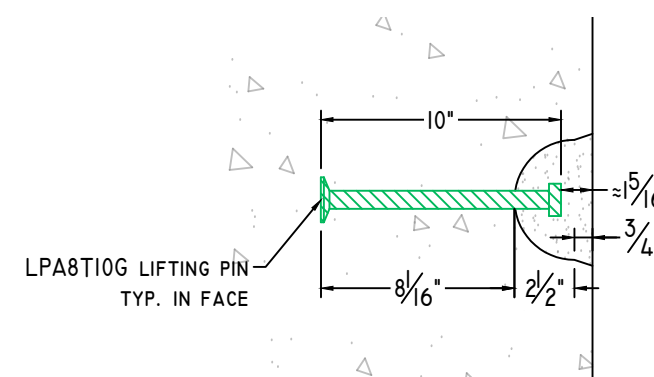
**CLOSURE POUR DETAIL**



**8T 4 3/4" LIFTING PIN DETAIL**



**8T 6 3/4" LIFTING PIN DETAIL**



**8T 10" LIFTING PIN DETAIL**



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

STRUCTURE NAME: 16' x 10' x 92' CLAMSHELL CULVERT		<b>DI.0</b>
JOB NAME: ROUTE 16 (WIN: 021794.10)		
LOCATION: KINGSBURY, ME		
CONTRACTOR: ME DOT		
DRAWN BY: SSM	DATE: 01/27/2026	
REV.#: 0.00	DATE: 01/27/2026	

# HEADWALL & TOEWALL DETAILS



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TEL: 207-947-8334

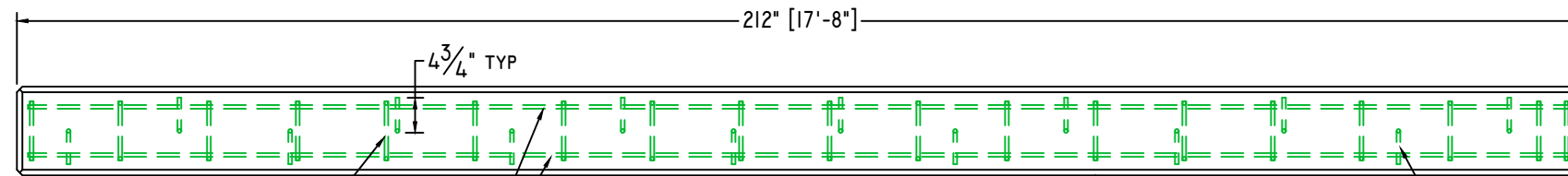
FAX: 207-947-3580

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## BILL OF MATERIALS

ITEM	QTY	DESCRIPTION	WEIGHT# EA
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(19) #5 STIRRUPS @ 12" OC  
ORIENTED IN HEADWALL AS  
SHOWN IN SECTION-A

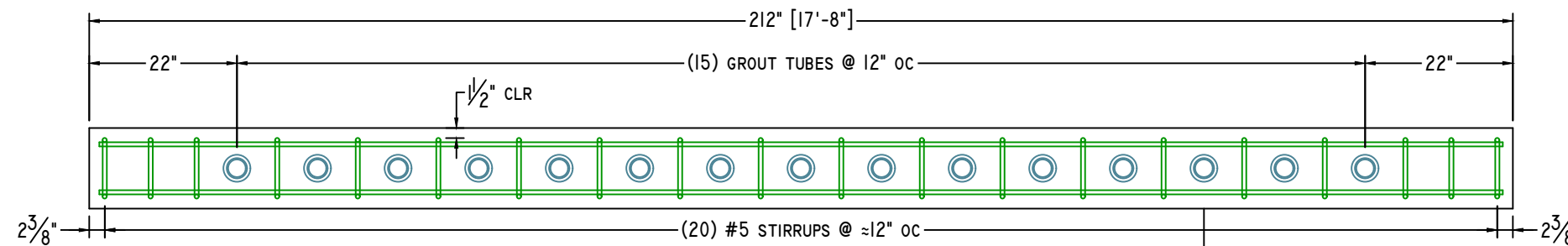
### HEADWALL DETAIL

1/2" = 1'-0"



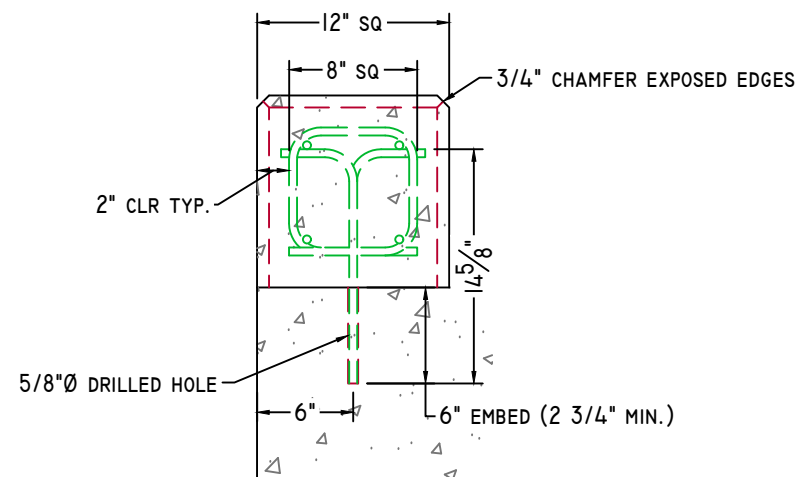
(14) #4 "HOOK BARS" @ 15" OC;  
ALTERNATE HOOK DIRECTION AS SHOWN.  
SET W/ POWERS AC100+ GOLD EPOXY

(4) #5 INSIDE TOP BETWEEN HOOKS  
AND STIRRUPS. MIN. LAP SPLICE = 18"

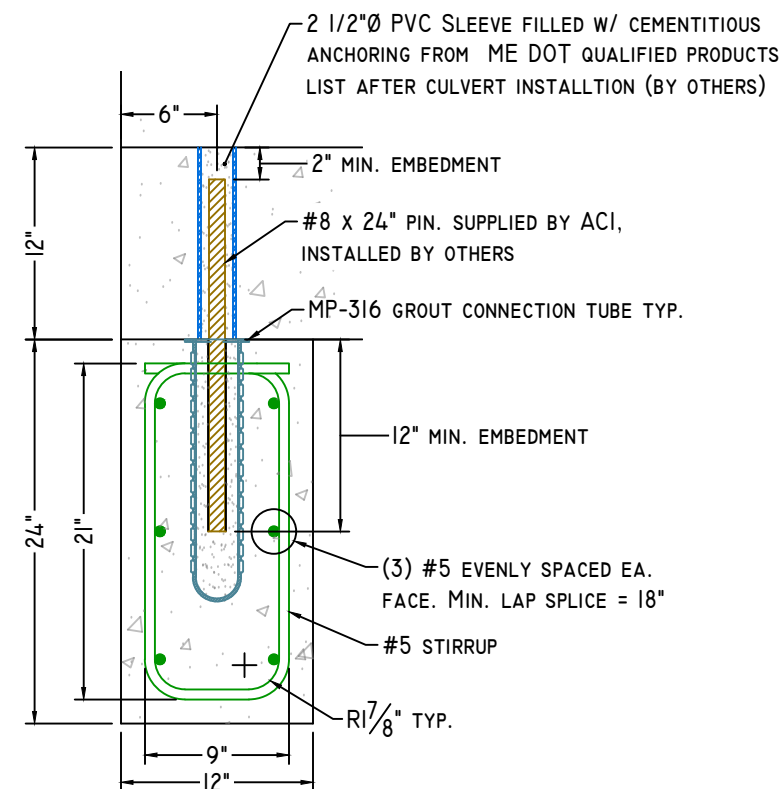


### TOEWALL DETAIL

1/2" = 1'-0"



### SECTION-A



### SECTION-B



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

STRUCTURE NAME:  
16' x 10' x 92' CLAMHELL CULVERT

JOB NAME:  
ROUTE 16 (WIN: 021794.10)

LOCATION:  
KINGSBURY, ME

CONTRACTOR:  
ME DOT

DRAWN BY: SSM  
DATE: 01/27/2026

REV.#: 0.01  
DATE: 01/27/2026

DI.1

# WELDED WIRE DETAILS



American Concrete Industries

1717 STILLWATER AVE. VEAZIE, ME. 04401

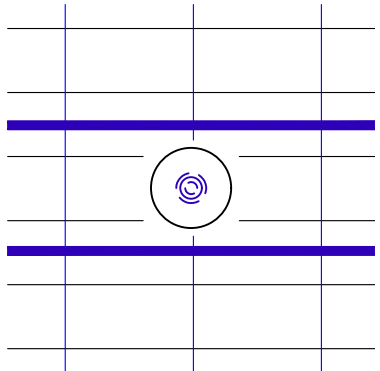
TEL: 207-947-8334

FAX: 207-947-3580

WWW.AMERICANCONCRETE.COM

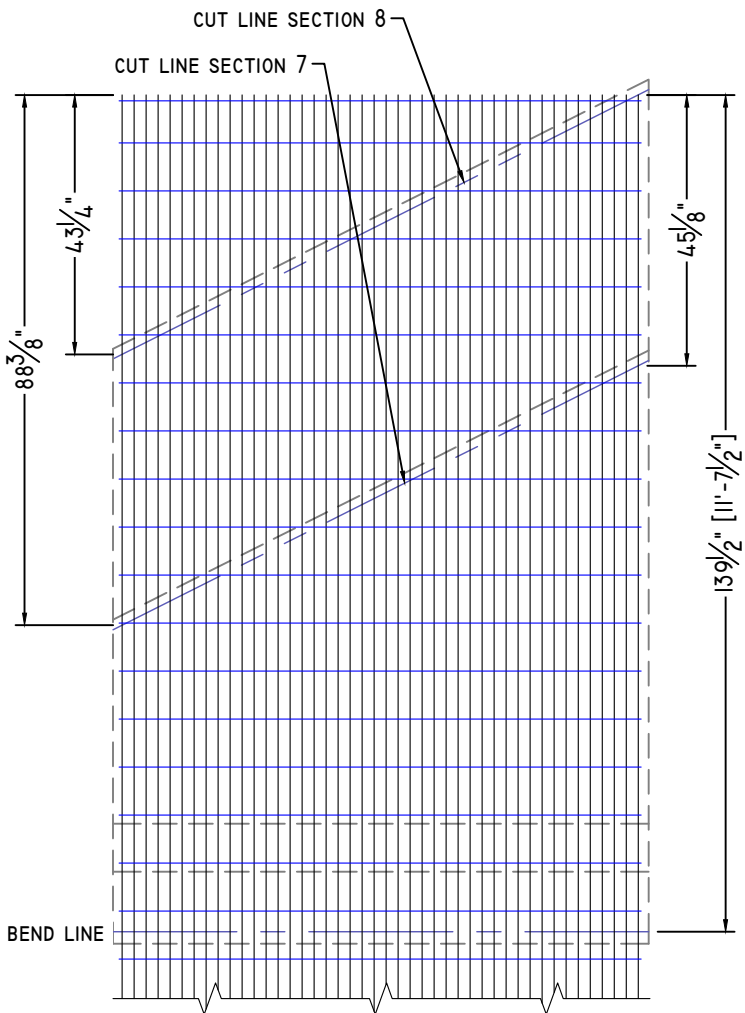
## BILL OF MATERIALS

ITEM	QTY	DESCRIPTION	WEIGHT# EA
INTENTIONALLY LEFT BLANK			

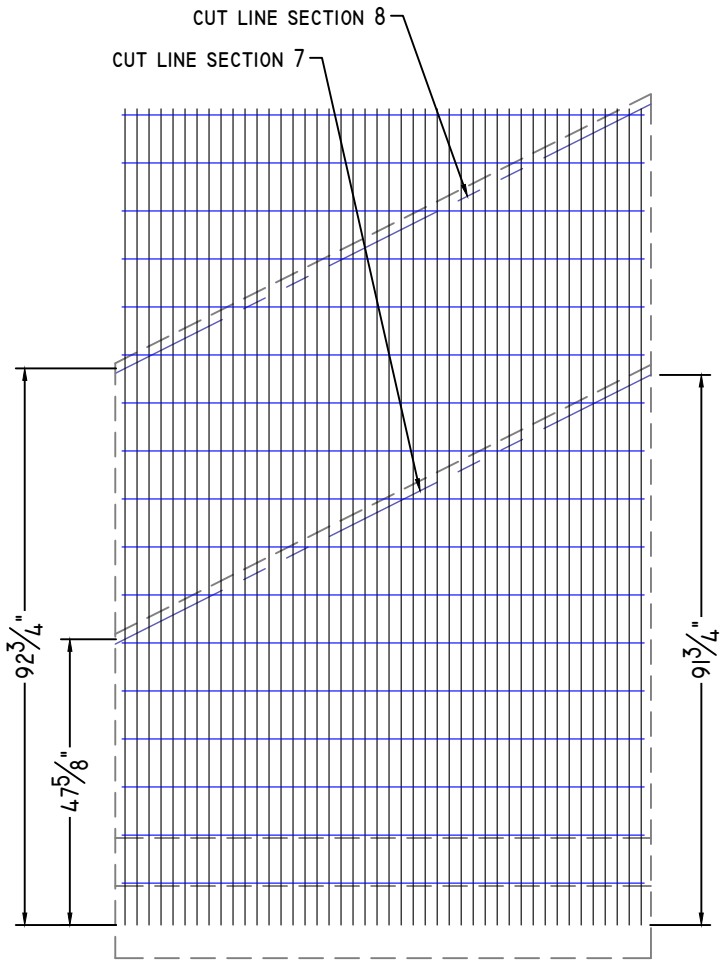


NOTE: NO ADDITIONAL SUPPLEMENTAL REINFORCING REQUIRED

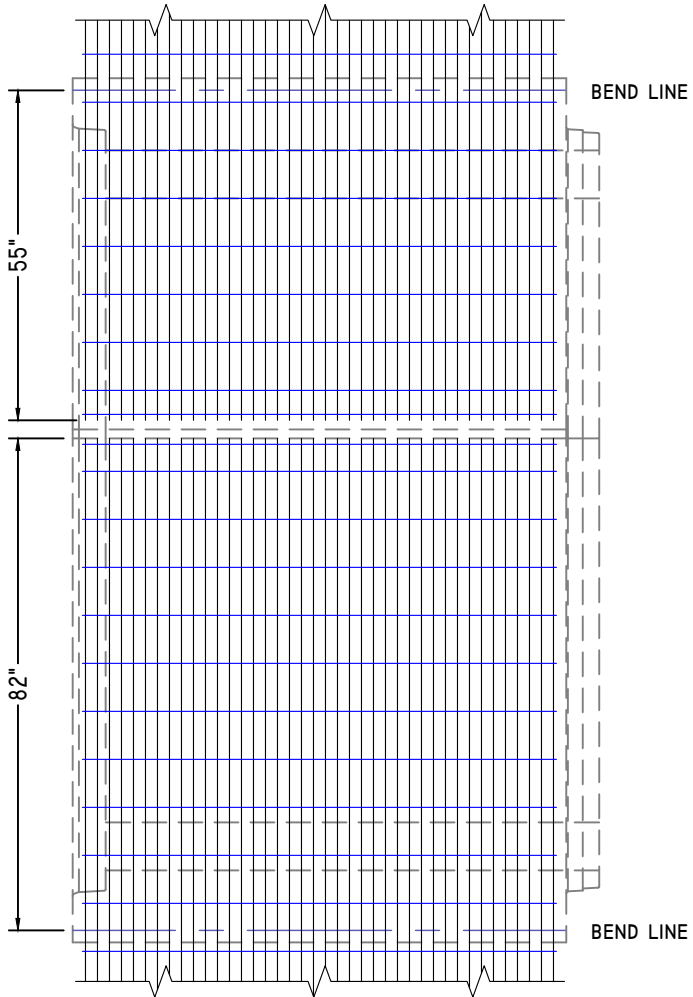
## SUPPLEMENTAL REINFORCING



WWF SECTION 7, 8 - EXTERIOR



WWF SECTION 7, 8 - INTERIOR



WWF CLAMSHELL SECTIONS TYP. EXTERIOR



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

STRUCTURE NAME:	16' x 10' x 92' CLAMSHELL CULVERT
JOB NAME:	ROUTE 16 (WIN: 021794.10)
LOCATION:	KINGSBURY, ME
CONTRACTOR:	ME DOT

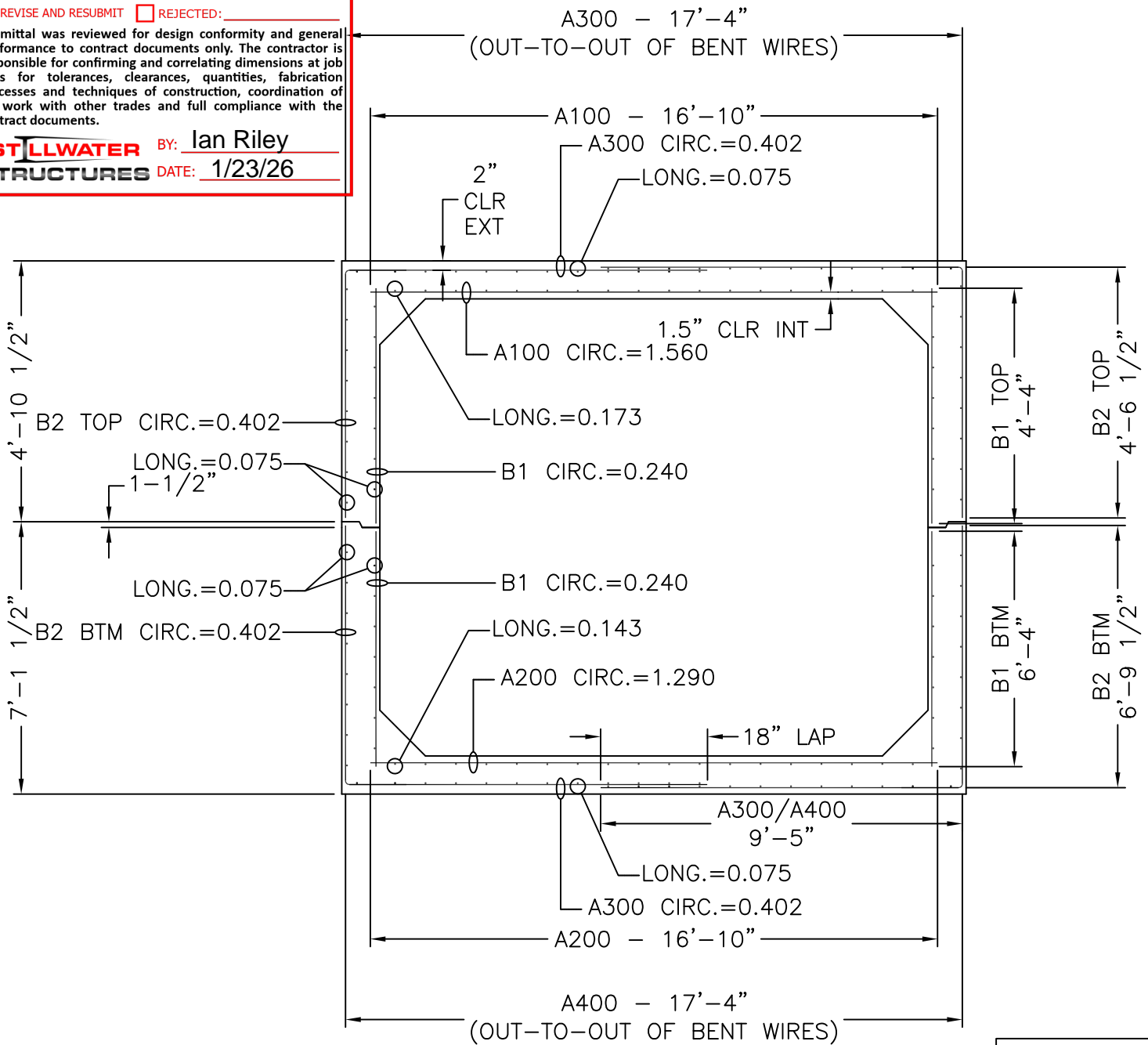
DRAWN BY:	DATE:	WI.0
SSM	01/27/2026	
REV.#:	DATE:	
0.00	01/27/2026	

**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** BY: Ian Riley  
**STRUCTURES** DATE: 1/23/26



16' x 10' x 6'-10 1/4"

CROSS SECTION WITH AREAS OF STEEL

SLAB THICKNESS	
TOP	12"
BOTTOM	12"
WALLS	10"

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

AGE WEIGHT PER JOINT = 2117.9 lbs

BOX SIZE: 16' X 10' X 6'-10 1/4"	ASTM: HL-93	TABLE: 125%	FILL: 5'-6.5'
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**Concrete Reinforcements, Inc.**

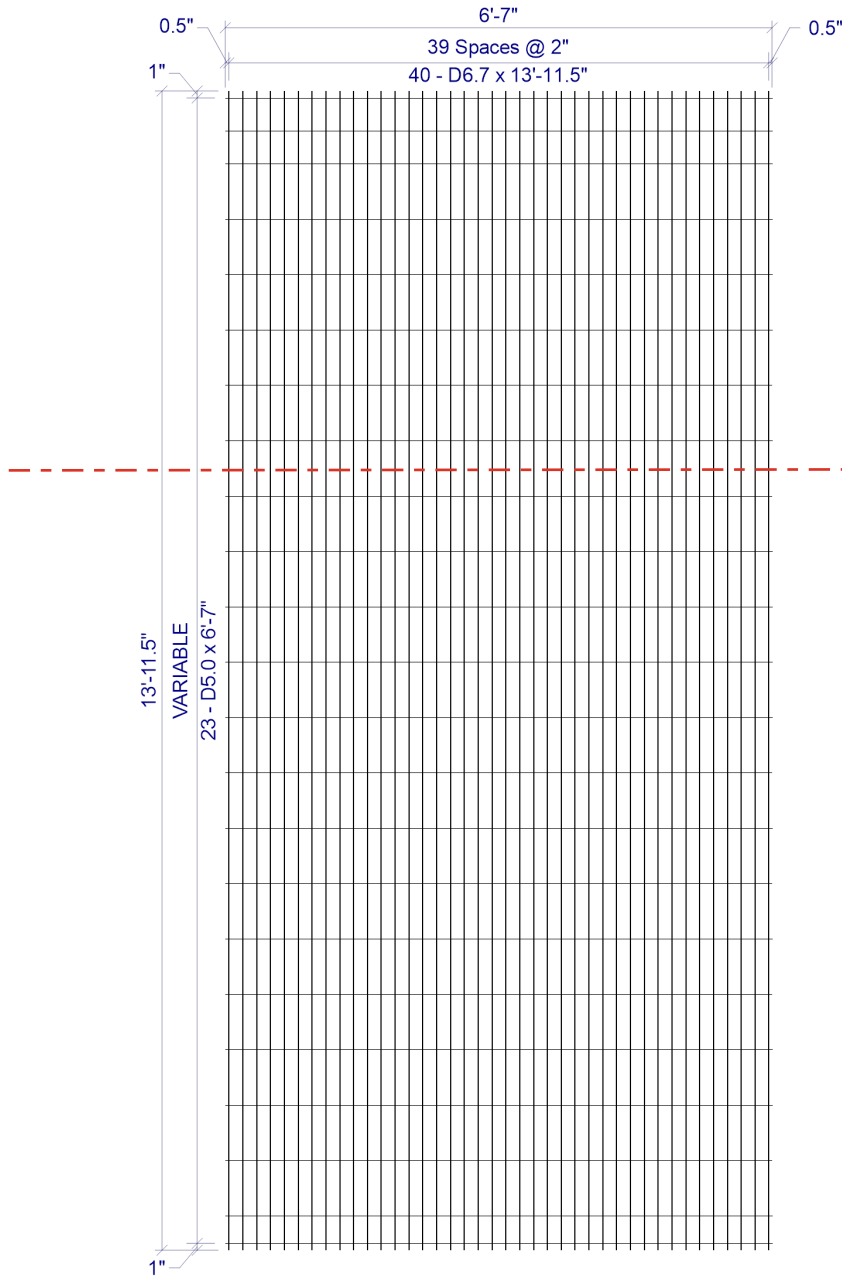
3830 Presidents Way  
 Jacksonville, FL 32220  
 PH. 904-520-7100 FAX. 904-520-7101

CUSTOMER: <b>AMERICAN CONCRETE</b>	DRAWN BY: <b>BWA</b>	REVISION: -	SHEET DESCRIPTION: <b>COVER</b>	
PROJECT: <b>16' X 10' X 6'-10 1/4" KINGSBURY</b>	DATE: <b>1/22/2026</b>	REVISION DATE: -	FILE NAME: <b>F25-4590</b>	
	CHECKED BY: <b>BWA</b>	SCALE: <b>NTS</b>	PROJECT #: <b>F25-4590</b>	SHEET #: <b>1 OF 15</b>

# SHEET DESIGN



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



CUSTOMER American Concrete

PROJECT F25-4590 - 16X01 Kingbury - American Concrete - 1-20-2026

LOCATION Veazie, ME

DATE 01-21-2026 MARK NUMBER B2 Top (-01)

L.W.SPAC 2"

C.W.SPAC VAR

L.W.1 SIZE D6.7

L.W.2 SIZE N/A

C.W.SIZE D5.0

WIDTH 6'-7"

LENGTH 13'-11.5"

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	40	N/A
SIZE	D6.7	N/A	D5.0
LENGTH	13'-11.5"	-	6'-7"
W.T./SHEET			
SHEET W.T.	158.70#		
QUANTITY	18		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

SPECIAL REMARKS:  
 BEND DIMS: WALL=54.5", SLAB=113"

**2 x VAR D6.7 / D5.0 (GRADE 75) 78(+0.5, +0.5) x 13'-11.5"(1, 1)**  
 VAR = 1" OH, 2@4.75", 19@8", 1@4", 1" OH

APPROVED \_\_\_\_\_

# SHEET DESIGN

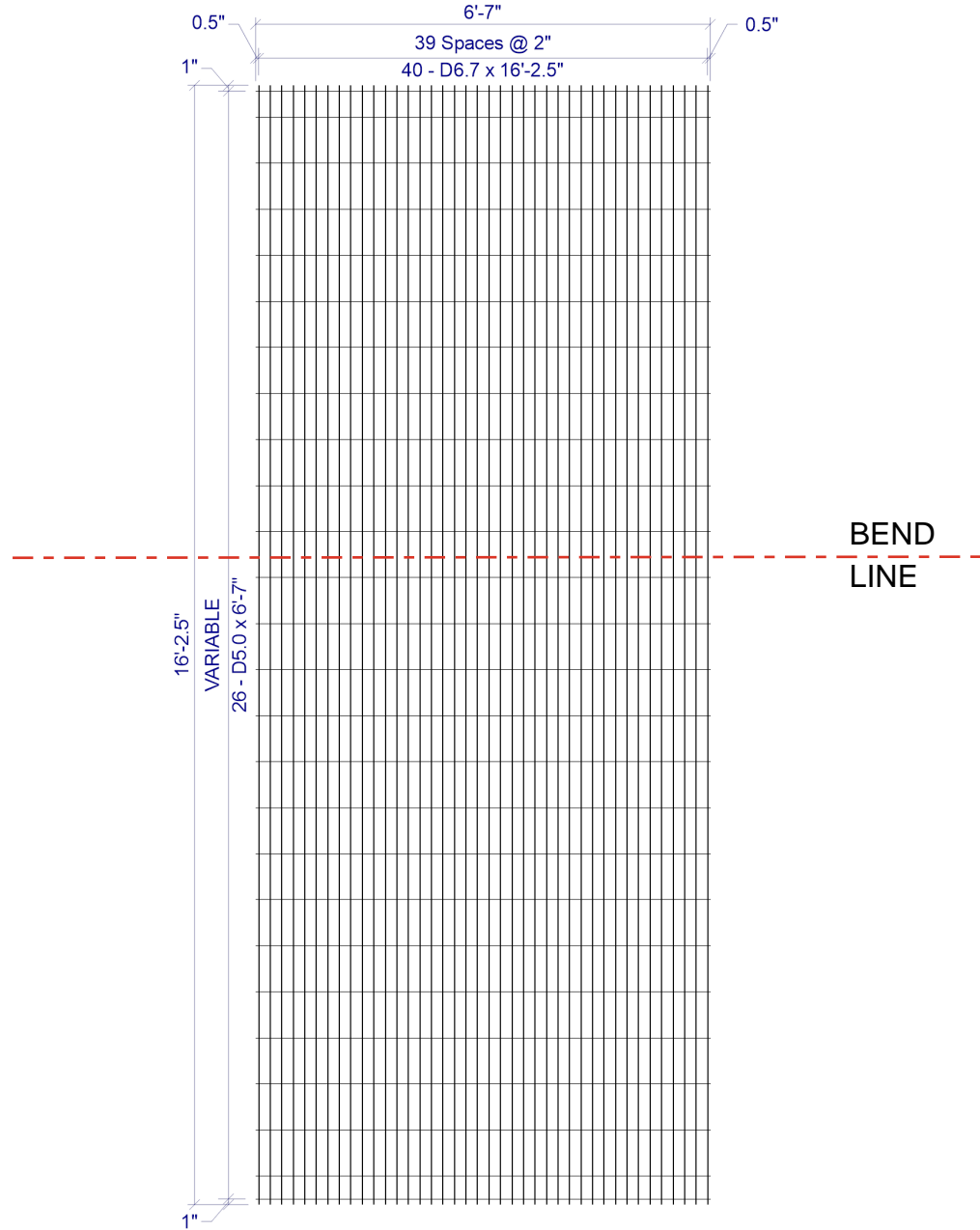


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 3830 Presidents Way • Jacksonville, FL 32220  
 Phone: 904-520-7100 • Fax: 904-520-7101

CUSTOMER American Concrete  
 PROJECT F25-4590 - 16X01 Kingbury - American Concrete - 1-20-2026  
 LOCATION Veazie, ME  
 DATE 01-21-2026 MARK NUMBER B2 Btm (-02)

L.W.SPAC 2"  
 C.W.SPAC VAR  
 L.W.1 SIZE D6.7  
 L.W.2 SIZE N/A  
 C.W.SIZE D5.0  
 WIDTH 6'-7"  
 LENGTH 16'-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	40	N/A
SIZE	D6.7	N/A	D5.0
LENGTH	16'-2.5"	-	6'-7"
W.T./SHEET			
SHEET W.T.	183.50#		
QUANTITY	18		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			



**BEND LINE**

**2 x VAR D6.7 / D5.0 (GRADE 75) 78(+0.5, +0.5) x 16'-2.5"(1, 1)**  
 VAR = 1" OH, 1@4.5", 23@8", 1@4", 1" OH

SPECIAL REMARKS:  
 BEND DIMS: WALL=81.5", SLAB=113"

APPROVED \_\_\_\_\_

# SHEET DESIGN



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 Phone: 904-520-7100 • Fax: 904-520-7101

CUSTOMER American Concrete

PROJECT F25-4590 - 16X01 Kingbury - American Concrete - 1-20-2026

LOCATION Veazie, ME

DATE 01-21-2026 MARK NUMBER B1 Top (-03)

L.W.SPACE VAR

C.W.SPACE VAR

L.W.1 SIZE D8.0

L.W.2 SIZE N/A

C.W.SIZE D5.0

WIDTH 6'-7"

LENGTH 4'-4"

OH.LEFT 0.5"

OH.RIGHT 0.5"

OH.TOP 1"

OH.BOTTOM 6"

YIELD 75,000psi

BENT -

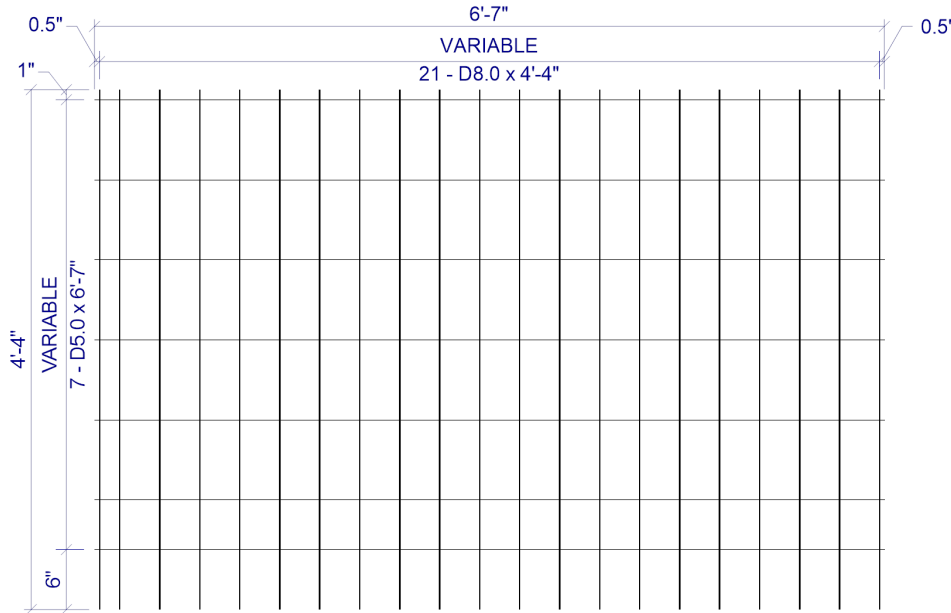
CUT -

ROLL -

W I R E S	LINE WIRE 1	LINE WIRE 2	CROSS WIRE
	NO. PER SHEET	21	N/A
SIZE	D8.0	N/A	D5.0
LENGTH	4'-4"	-	6'-7"
W.T./SHEET			
SHEET W.T.	32.59#		
QUANTITY	18		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

SPECIAL REMARKS:

APPROVED \_\_\_\_\_



**VAR x VAR D8.0 / D5.0 (GRADE 75) 78(+0.5, +0.5) x 4'-4" (1, 6)**

VAR = 0.5" OH, 1@2", 19@4", 0.5" OH  
 VAR = 1" OH, 5@8", 1@5", 6" OH

# SHEET DESIGN



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

CUSTOMER American Concrete

PROJECT F25-4590 - 16X01 Kingbury - American Concrete - 1-20-2026

LOCATION Veazie, ME

DATE 01-21-2026 MARK NUMBER B1 Btm (-04)

L.W.SPACE VAR

C.W.SPACE VAR

L.W.1 SIZE D8.0

L.W.2 SIZE N/A

C.W.SIZE D5.0

WIDTH 6'-7"

LENGTH 6'-4"

OH.LEFT 0.5"

OH.RIGHT 0.5"

OH.TOP 1"

OH.BOTTOM 6"

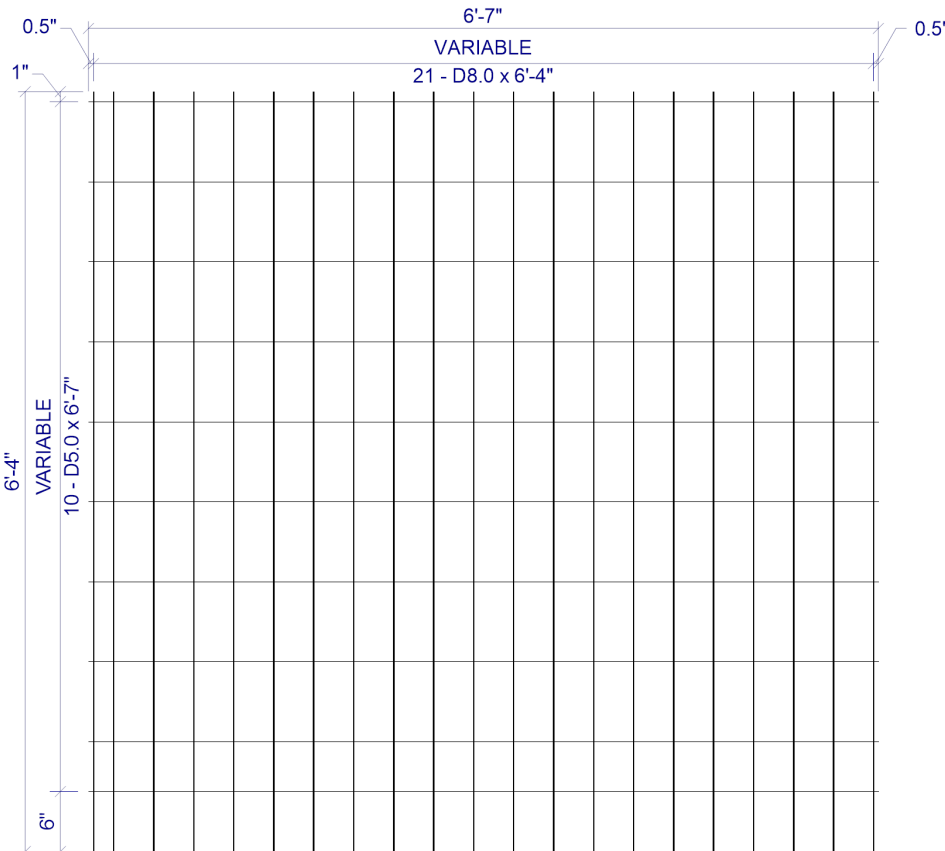
YIELD 75,000psi

BENT -

CUT -

ROLL -

W I R E S	LINE WIRE 1	LINE WIRE 2	CROSS WIRE
	NO. PER SHEET	21	N/A
SIZE	D8.0	N/A	D5.0
LENGTH	6'-4"	-	6'-7"
W.T./SHEET			
SHEET W.T.	47.37#		
QUANTITY	18		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			



**VAR x VAR D8.0 / D5.0 (GRADE 75) 78(+0.5, +0.5) x 6'-4" (1, 6)**

VAR = 0.5" OH, 1@2", 19@4", 0.5" OH

VAR = 1" OH, 8@8", 1@5", 6" OH

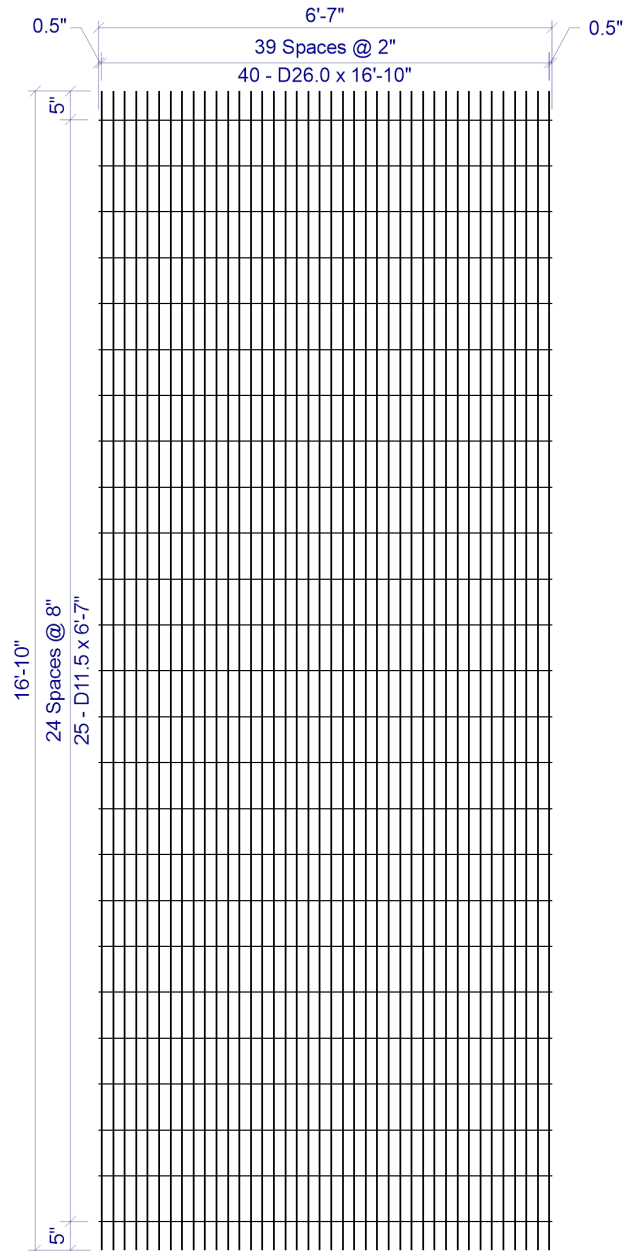
SPECIAL REMARKS:

APPROVED \_\_\_\_\_

# SHEET DESIGN



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



**2 x 8 D26.0 / D11.5 (GRADE 75) 78(+0.5, +0.5) x 16'-10" (5, 5)**

CUSTOMER American Concrete

PROJECT F25-4590 - 16X01 Kingbury - American Concrete - 1-20-2026

LOCATION Veazie, ME

DATE 01-21-2026 MARK NUMBER A100 (-05)

L.W.SPACED 2"

C.W.SPACED 8"

L.W.1 SIZE D26.0

L.W.2 SIZE N/A

C.W.SIZE D11.5

WIDTH 6'-7"

LENGTH 16'-10"

OH.LEFT 0.5"

OH.RIGHT 0.5"

OH.TOP 5"

OH.BOTTOM 5"

YIELD 75,000psi

BENT -

CUT -

ROLL -

W I R E S	LINE WIRE 1	LINE WIRE 2	CROSS WIRE
NO. PER SHEET	40	N/A	25
SIZE	D26.0	N/A	D11.5
LENGTH	16'-10"	-	6'-7"
W.T./SHEET			
SHEET W.T.	705.40#		
QUANTITY	9		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

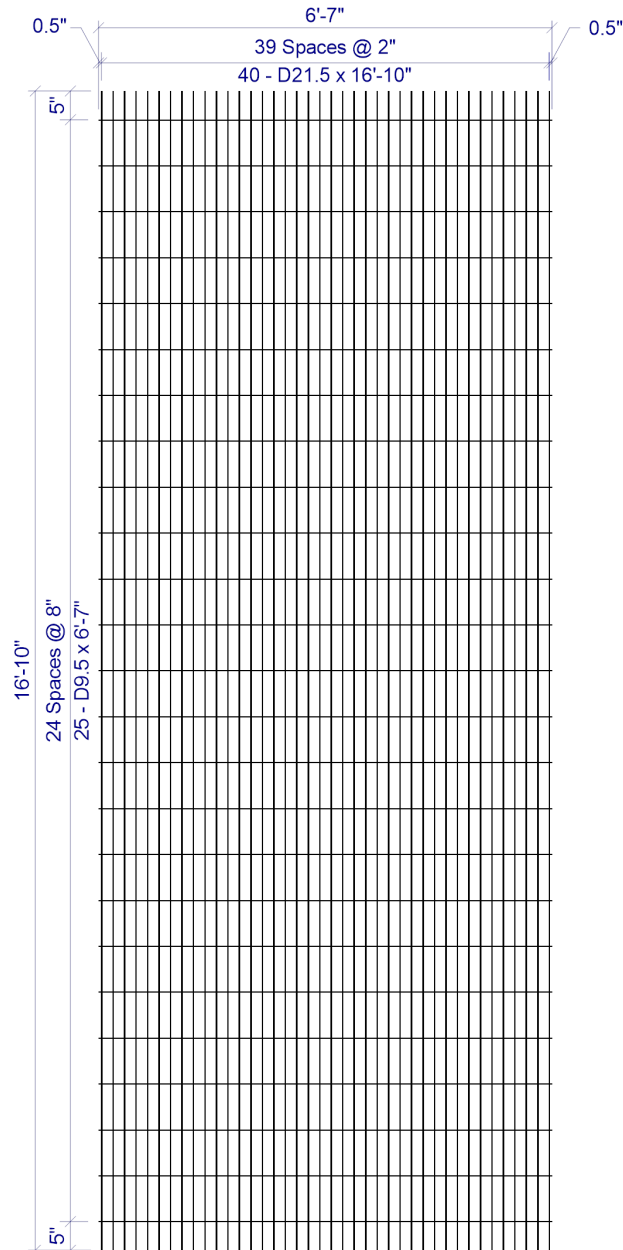
SPECIAL REMARKS:

APPROVED \_\_\_\_\_

# SHEET DESIGN



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



2 x 8 D21.5 / D9.5 (GRADE 75) 78(+0.5, +0.5) x 16'-10"(5, 5)

CUSTOMER American Concrete

PROJECT F25-4590 - 16X01 Kingbury - American Concrete - 1-20-2026

LOCATION Veazie, ME

DATE 01-21-2026 MARK NUMBER A200 (-06)

L.W.SPACE 2"

C.W.SPACE 8"

L.W.1 SIZE D21.5

L.W.2 SIZE N/A

C.W.SIZE D9.5

WIDTH 6'-7"

LENGTH 16'-10"

OH.LEFT 0.5"

OH.RIGHT 0.5"

OH.TOP 5"

OH.BOTTOM 5"

YIELD 75,000psi

BENT -

CUT -

ROLL -

W I R E S	LINE WIRE 1	LINE WIRE 2	CROSS WIRE
	NO. PER SHEET	40	N/A
SIZE	D21.5	N/A	D9.5
LENGTH	16'-10"	-	6'-7"
W.T./SHEET			
SHEET W.T.	568.10#		
QUANTITY	9		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

SPECIAL REMARKS:

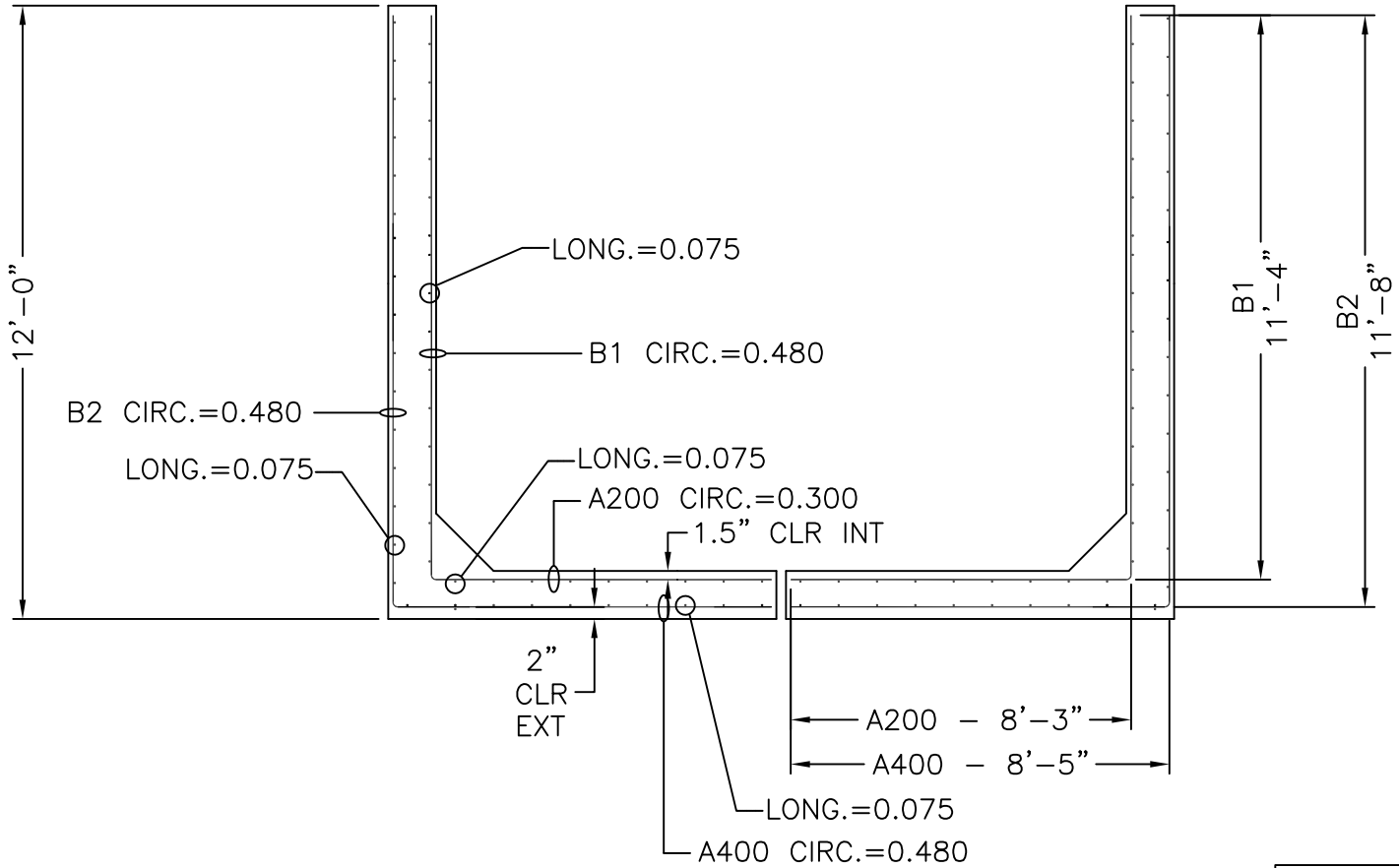
APPROVED \_\_\_\_\_

**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: 1/23/26



16' x 10' TALL HEADWALL  
CROSS SECTION WITH AREAS OF STEEL

SLAB THICKNESS	
TOP	12"
BOTTOM	12"
WALLS	10"

**MECHANICAL DIMENSIONS**

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

CAGE WEIGHT PER JOINT = 1026.0 lbs

BOX SIZE:	16' X 10'	ASTM:	HL-93	TABLE:	125%	FILL:	
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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:	
PROJECT:	16' X 10' HEADWALL TALL KINGSBURY	DATE:	1/22/2026	REVISION DATE:	-	COVER	
		CHECKED BY:	BWA	SCALE:	NTS	FILE NAME:	F25-4590
						PROJECT #:	F25-4590
						SHEET #:	8 OF 15

# SHEET DESIGN



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

CUSTOMER American Concrete

PROJECT F25-4590 - 16X01 Kingbury - American Concrete - 1-20-2026

LOCATION Veazie, ME

DATE 01-21-2026 MARK NUMBER B2 HWT (-07)

L.W.SPAC 2"

C.W.SPAC VAR

L.W.1 SIZE D8.0

L.W.2 SIZE N/A

C.W.SIZE D5.0

WIDTH 7'-3"

LENGTH 20'-1"

OH.LEFT 0.5"

OH.RIGHT 0.5"

OH.TOP 1"

OH.BOTTOM 1"

YIELD 75,000psi

BENT -

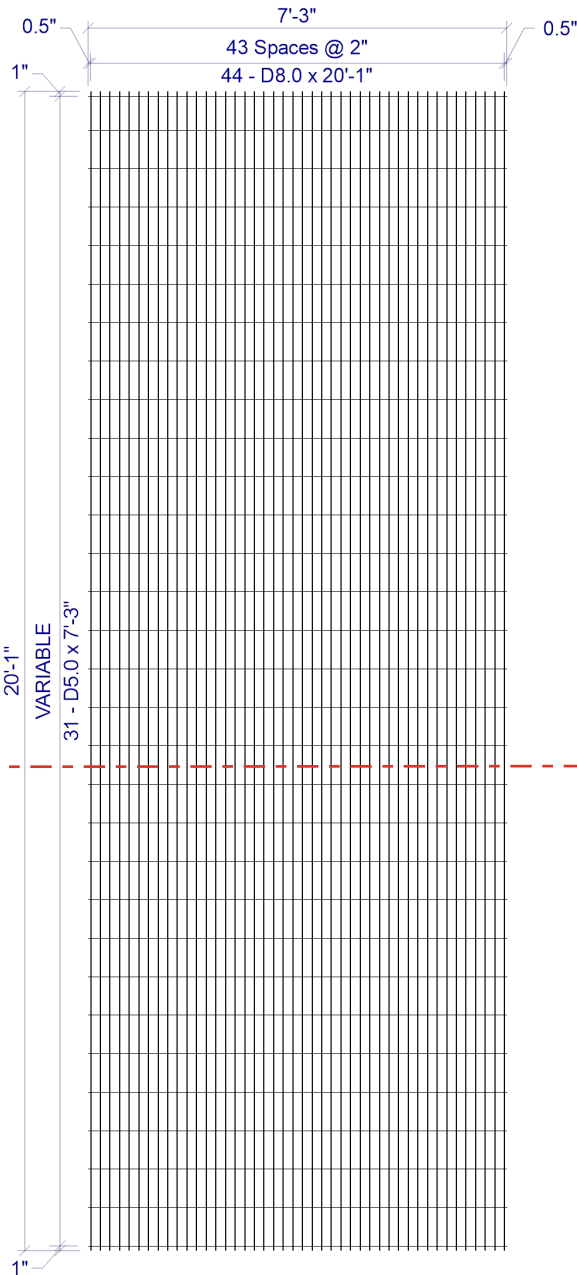
CUT -

ROLL -

W I R E S	LINE WIRE 1	LINE WIRE 2	CROSS WIRE
NO. PER SHEET	44	N/A	31
SIZE	D8.0	N/A	D5.0
LENGTH	20'-1"	-	7'-3"
W.T./SHEET			
SHEET W.T.	278.56#		
QUANTITY	4		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

SPECIAL REMARKS:  
 BEND DIMS: WALL=140", SLAB=101"

APPROVED \_\_\_\_\_



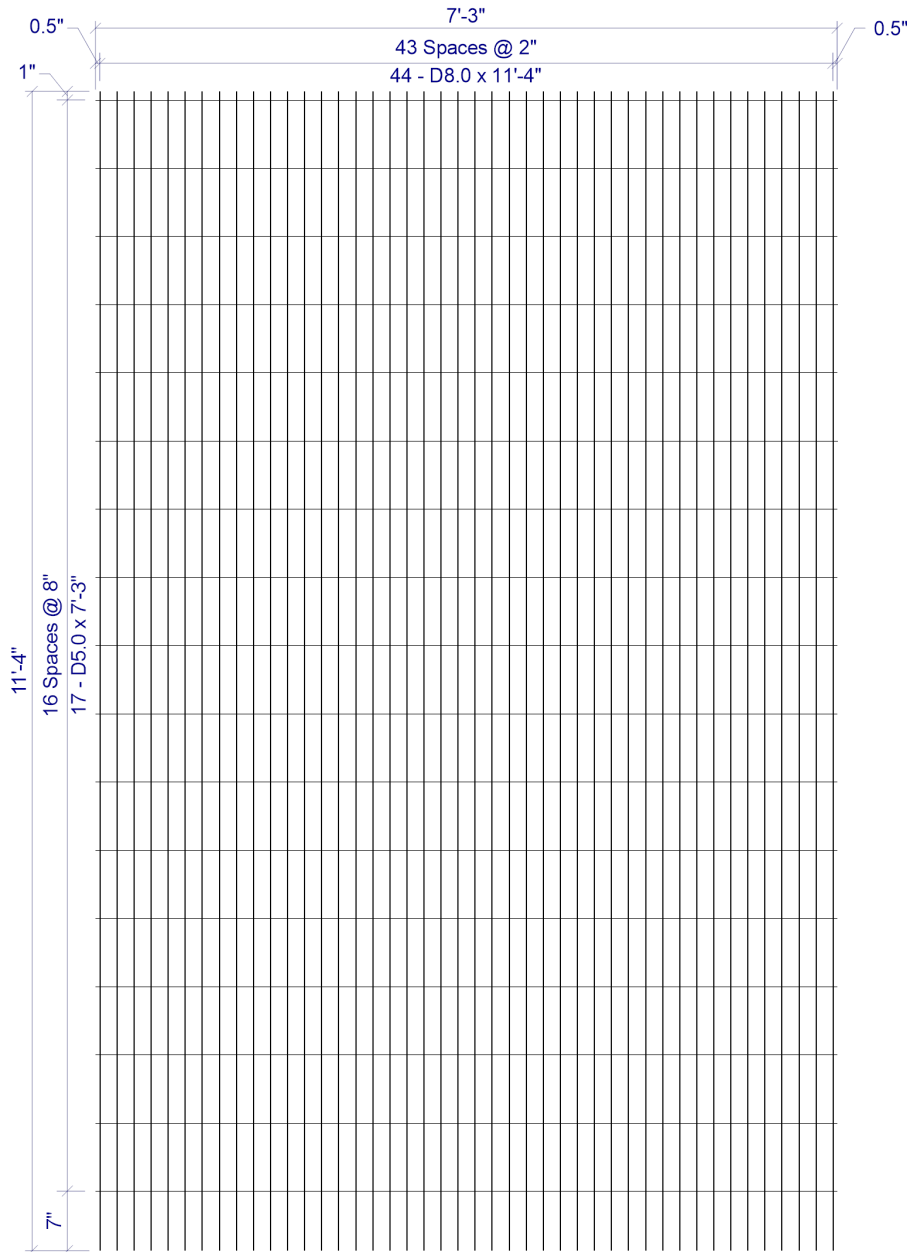
**2 x VAR D8.0 / D5.0 (GRADE 75) 86(+0.5, +0.5) x 20'-1" (1, 1)**  
 VAR = 1" OH, 1@7", 29@8", 1" OH

**BEND  
LINE**

# SHEET DESIGN



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



**2 x 8 D8.0 / D5.0 (GRADE 75) 86(+0.5, +0.5) x 11'-4"(1, 7)**

CUSTOMER American Concrete

PROJECT F25-4590 - 16X01 Kingbury - American Concrete - 1-20-2026

LOCATION Veazie, ME

DATE 01-21-2026 MARK NUMBER B1 HWT (-08)

L.W.SPACE 2"

C.W.SPACE 8"

L.W.1 SIZE D8.0

L.W.2 SIZE N/A

C.W.SIZE D5.0

WIDTH 7'-3"

LENGTH 11'-4"

OH.LEFT 0.5"

OH.RIGHT 0.5"

OH.TOP 1"

OH.BOTTOM 7"

YIELD 75,000psi

BENT -

CUT -

ROLL -

W I R E S	LINE WIRE 1	LINE WIRE 2	CROSS WIRE
	NO. PER SHEET	44	N/A
SIZE	D8.0	N/A	D5.0
LENGTH	11'-4"	-	7'-3"
W.T./SHEET			
SHEET W.T.	156.59#		
QUANTITY	4		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

SPECIAL REMARKS:

APPROVED \_\_\_\_\_

# SHEET DESIGN



**Concrete Reinforcements, Inc.**  
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CUSTOMER American Concrete

PROJECT F25-4590 - 16X01 Kingbury - American Concrete - 1-20-2026

LOCATION Veazie, ME

DATE 01-21-2026 MARK NUMBER A200 HWT (-09)

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 7'-3"

LENGTH 8'-3"

OH.LEFT 0.5"

OH.RIGHT 0.5"

OH.TOP 1"

OH.BOTTOM 6"

YIELD 75,000psi

BENT -

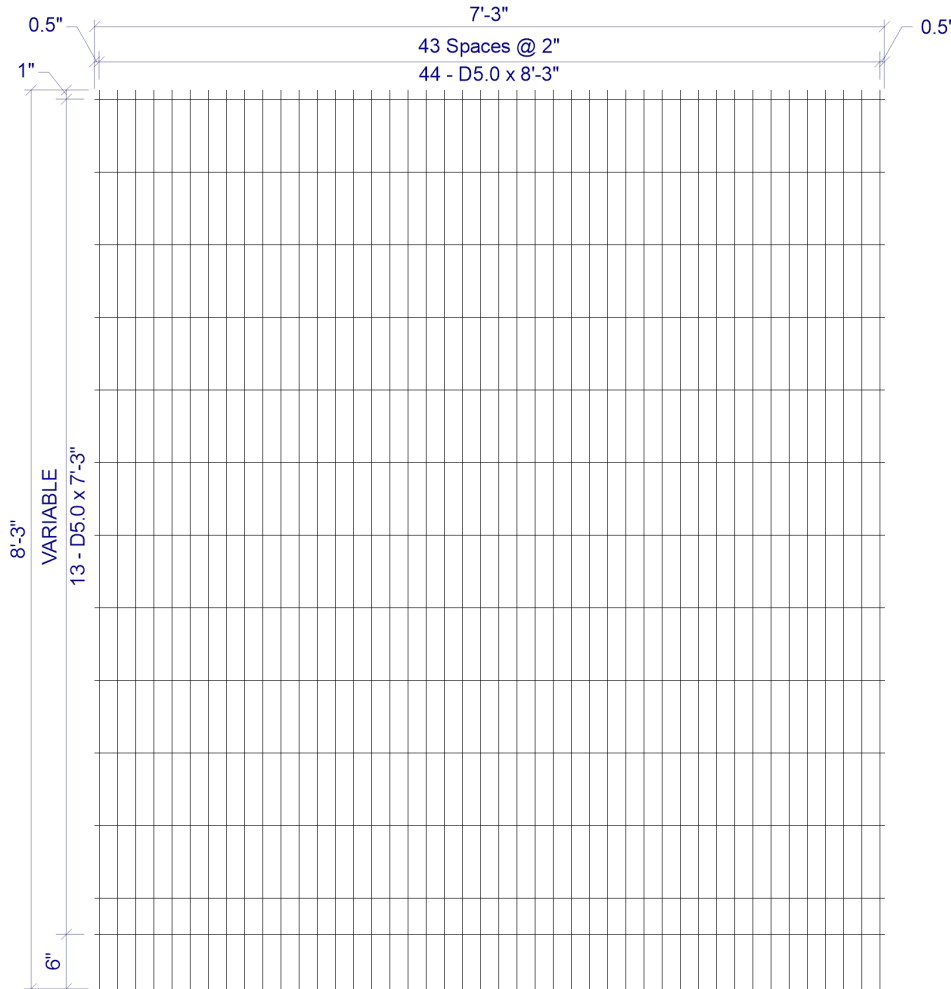
CUT -

ROLL -

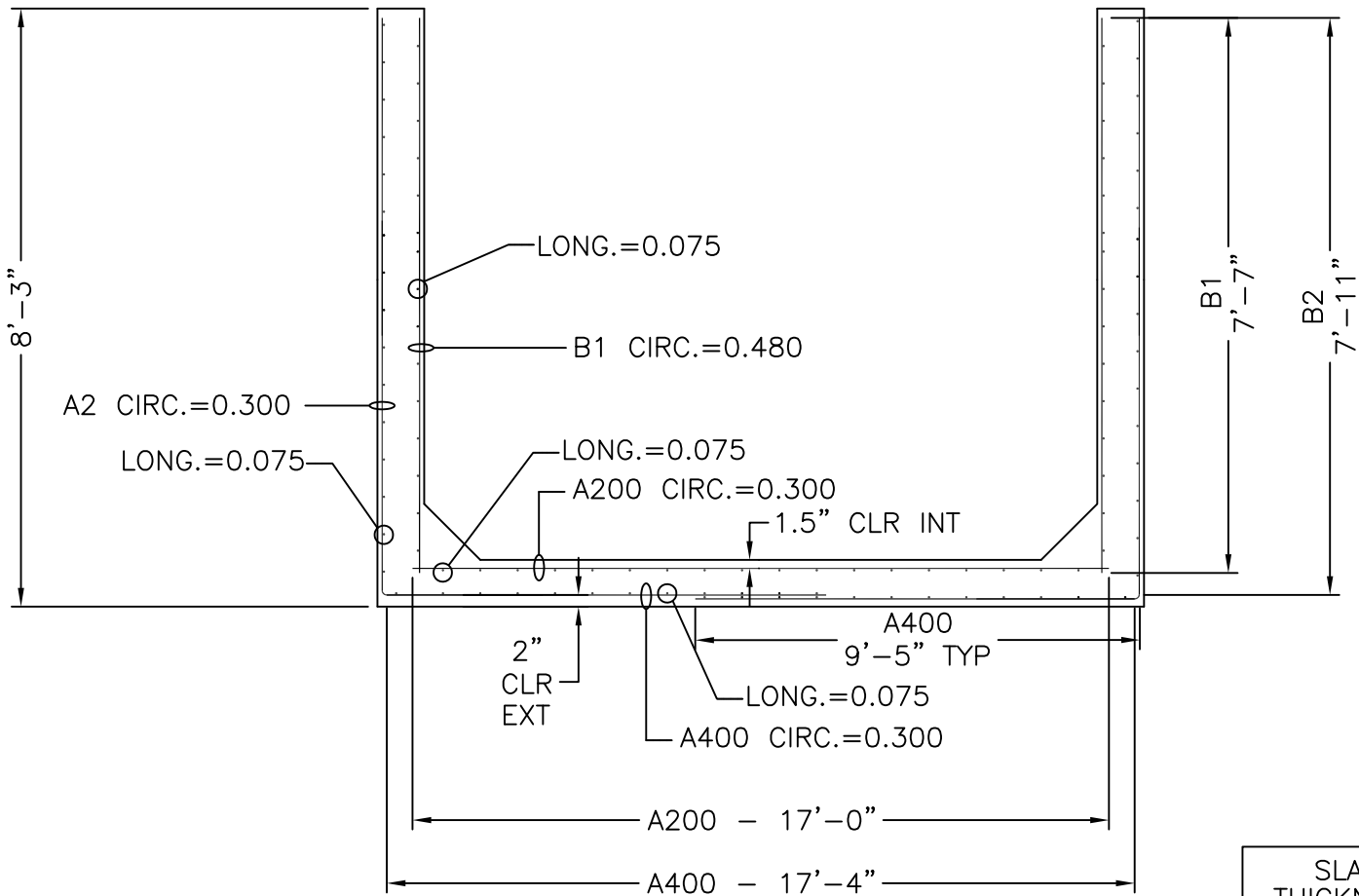
W I R E S	LINE WIRE 1	LINE WIRE 2	CROSS WIRE
	NO. PER SHEET	44	N/A
SIZE	D5.0	N/A	D5.0
LENGTH	8'-3"	-	7'-3"
W.T./SHEET			
SHEET W.T.	77.73#		
QUANTITY	4		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

SPECIAL REMARKS:

APPROVED \_\_\_\_\_



**2 x VAR D5.0 / D5.0 (GRADE 75) 86(+0.5, +0.5) x 8'-3" (1, 6)**  
 VAR = 1" OH, 11@8", 1@4", 6" OH



16' x 10' SHORT HEADWALL  
CROSS SECTION WITH AREAS OF STEEL

SLAB THICKNESS	
TOP	
BOTTOM	12"
WALLS	10"

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

CAGE WEIGHT PER JOINT = 695.2 lbs

BOX SIZE:	16' X 10'	ASTM:	HL-93	TABLE:	125%	FILL:	
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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:	
PROJECT:	16' X 10' HEADWALL SHORT KINGSBURY	DATE:	1/22/2026	REVISION DATE:	-	COVER	
		CHECKED BY:		SCALE:	NTS	PROJECT #:	F25-4590
						SHEET #:	12 OF 15

# SHEET DESIGN



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

CUSTOMER American Concrete

PROJECT F25-4590 - 16X01 Kingbury - American Concrete - 1-20-2026

LOCATION Veazie, ME

DATE 01-21-2026 MARK NUMBER B2 HWS (-10)

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 7'-3"

LENGTH 17'-4"

OH.LEFT 0.5"

OH.RIGHT 0.5"

OH.TOP 1"

OH.BOTTOM 1"

YIELD 75,000psi

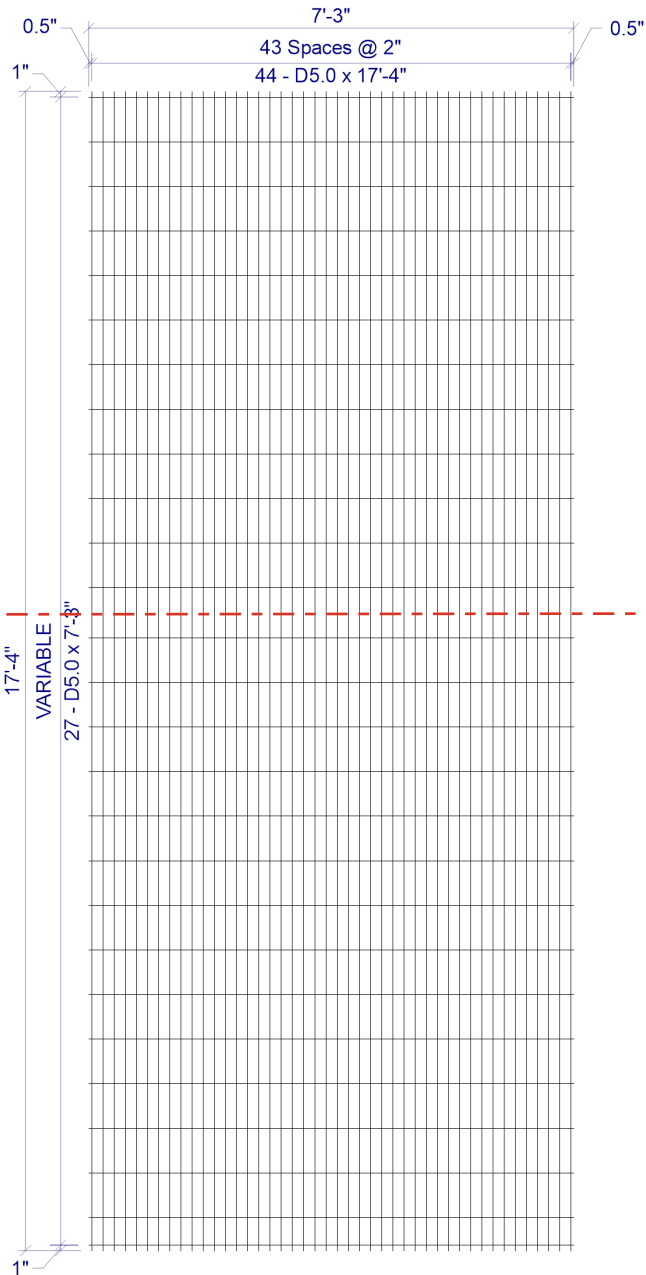
BENT -

CUT -

ROLL -

W I R E S	LINE WIRE 1	LINE WIRE 2	CROSS WIRE
	NO. PER SHEET	44	N/A
SIZE	D5.0	N/A	D5.0
LENGTH	17'-4"	-	7'-3"
W.T./SHEET			
SHEET W.T.	162.93#		
QUANTITY	4		
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) 86(+0.5, +0.5) x 17'-4" (1, 1)**  
 VAR = 1" OH, 11@8", 1@9", 13@8", 1@5", 1" OH

SPECIAL REMARKS:  
 BEND DIMS: WALL=95", SLAB=113"

APPROVED \_\_\_\_\_

# SHEET DESIGN



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

CUSTOMER American Concrete

PROJECT F25-4590 - 16X01 Kingbury - American Concrete - 1-20-2026

LOCATION Veazie, ME

DATE 01-21-2026 MARK NUMBER B1 HWS (-11)

L.W.SPACED 2"

C.W.SPACED VAR

L.W.1 SIZE D8.0

L.W.2 SIZE N/A

C.W.SIZE D5.0

WIDTH 7'-3"

LENGTH 7'-7"

OH.LEFT 0.5"

OH.RIGHT 0.5"

OH.TOP 1"

OH.BOTTOM 6"

YIELD 75,000psi

BENT -

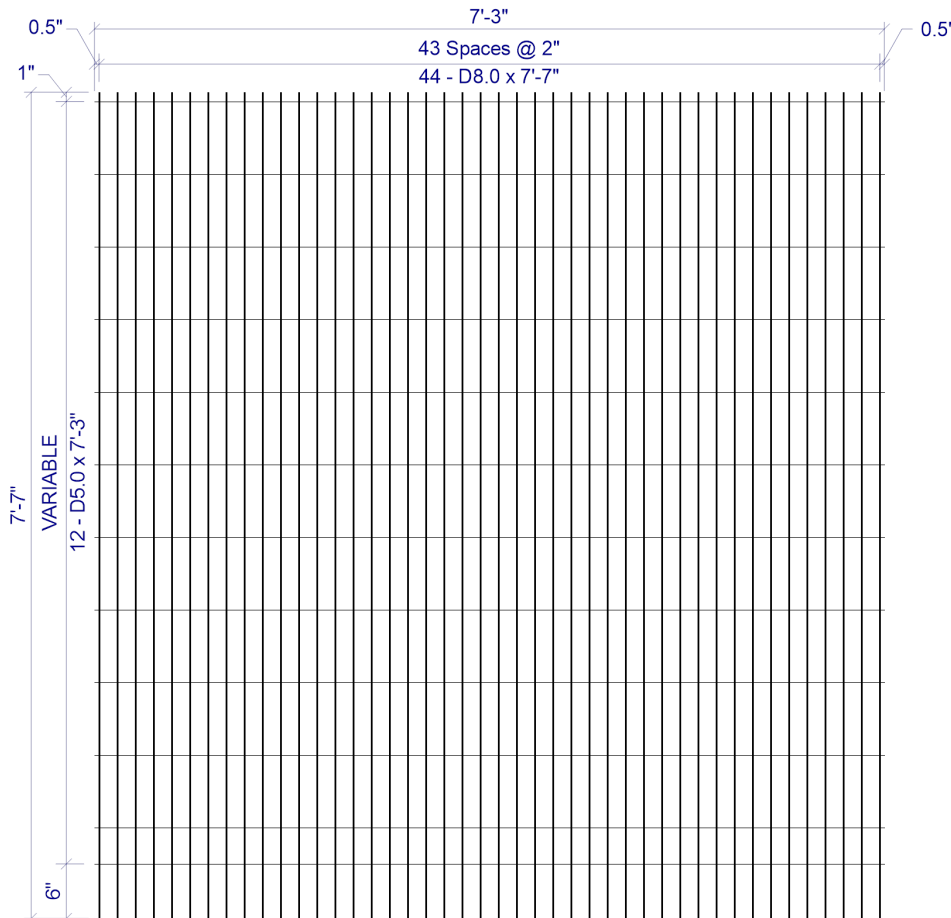
CUT -

ROLL -

W I R E S	LINE WIRE 1	LINE WIRE 2	CROSS WIRE
	NO. PER SHEET	44	N/A
SIZE	D8.0	N/A	D5.0
LENGTH	7'-7"	-	7'-3"
W.T./SHEET			
SHEET W.T.	105.55#		
QUANTITY	4		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

SPECIAL REMARKS:

APPROVED \_\_\_\_\_

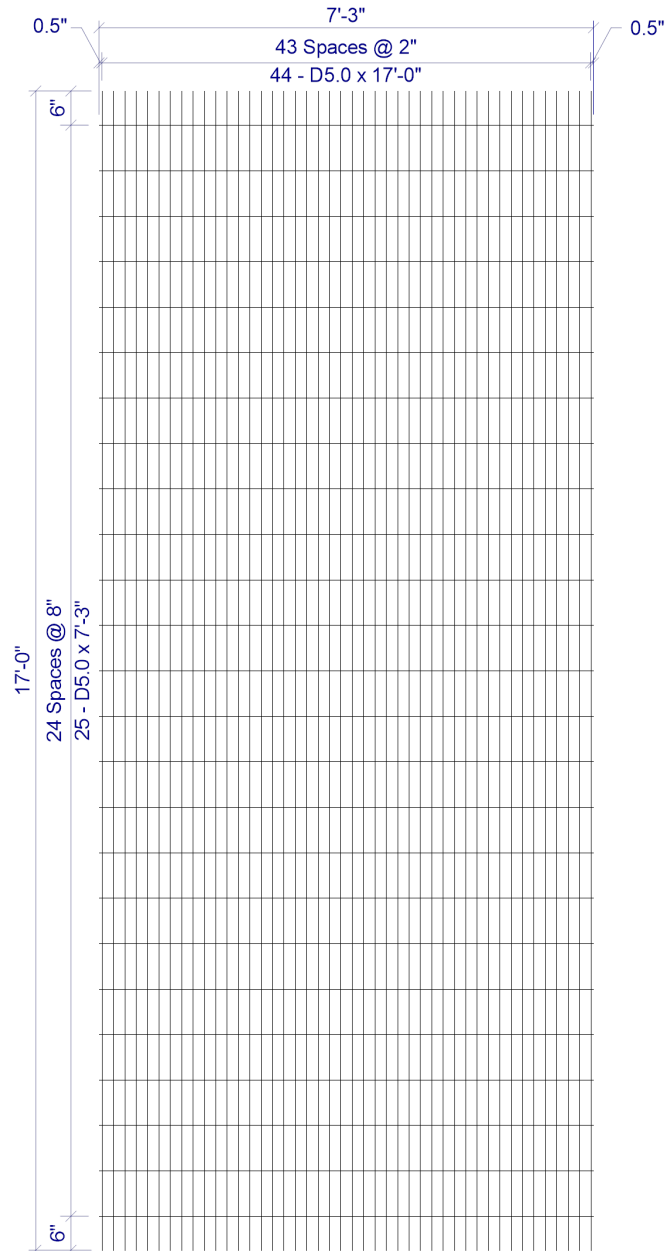


**2 x VAR D8.0 / D5.0 (GRADE 75) 86(+0.5, +0.5) x 7'-7" (1, 6)**  
 VAR = 1" OH, 10@8", 1@4", 6" OH

# SHEET DESIGN



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**2 x 8 D5.0 / D5.0 (GRADE 75) 86(+0.5, +0.5) x 17'-0" (6, 6)**

CUSTOMER American Concrete

PROJECT F25-4590 - 16X01 Kingbury - American Concrete - 1-20-2026

LOCATION Veazie, ME

DATE 01-21-2026 MARK NUMBER A200 HWS (-12)

L.W.SPACE 2"

C.W.SPACE 8"

L.W.1 SIZE D5.0

L.W.2 SIZE N/A

C.W.SIZE D5.0

WIDTH 7'-3"

LENGTH 17'-0"

OH.LEFT 0.5"

OH.RIGHT 0.5"

OH.TOP 6"

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	44	N/A
SIZE	D5.0	N/A	D5.0
LENGTH	17'-0"	-	7'-3"
W.T./SHEET			
SHEET W.T.	157.97#		
QUANTITY	2		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

SPECIAL REMARKS:

APPROVED \_\_\_\_\_