

OVERALL



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	9,335
2	1	UPSTREAM END BOTTOM	10,960
3	11	MID SECTION TOP	9,100
4	11	MID SECTION BOTTOM	10,695
5	1	DOWNSTREAM END TOP	8,870
6	1	DOWNSTREAM END BOTTOM	10,420
7	2	1' x 2' x 8'-4" TOEWALL	2,195
8	10	#8 x 18" TOEWALL PIN (SHIPPED LOOSE)	

DESIGN NOTES:

- Concrete**
 - 1.1. COMP. STRENGTH MIN. 5,000PSI @ 28 DAYS
 - 1.2. AIR-ENTRAINMENT: 5.5% MIN - 7.5% 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 (WHEN REQUIRED.)
 - 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. JOINTS SEALED WITH BUTYL RUBBER SEALANT.
 - 3.2. ALL JOINTS FILLED W/ NON-SHRINK GROUT AFTER INSTALLATION.
- Soil / Fill Requirements:**

MINIMUM ALLOWABLE FILL: 5.75'

MAXIMUM ALLOWABLE FILL: 6.25'

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

STRUCTURE NAME:
 CULVERT 5: 6' x 6' x 93' (STA. 140+76)

JOB NAME:
 US ROUTE 1 (WIN 20421.10)

LOCATION:
 VAN BUREN, ME

CONTRACTOR:
 ME DOT

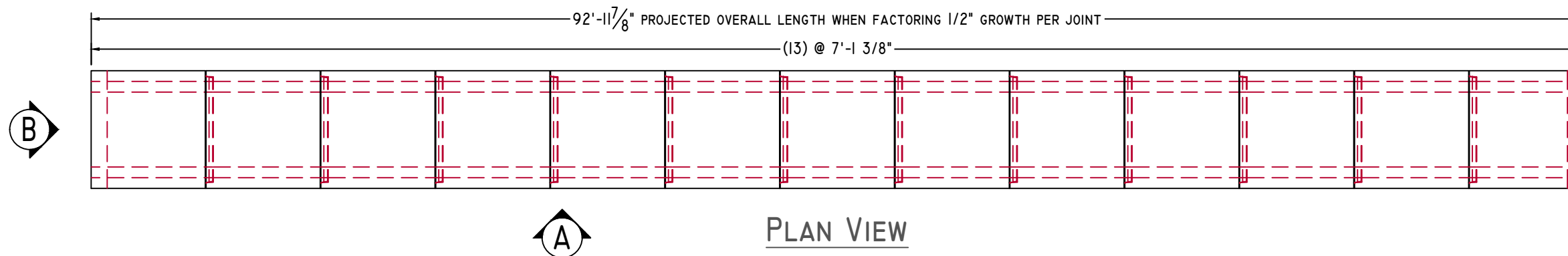
DRAWN BY:
 SSM

DATE:
 02/03/2023

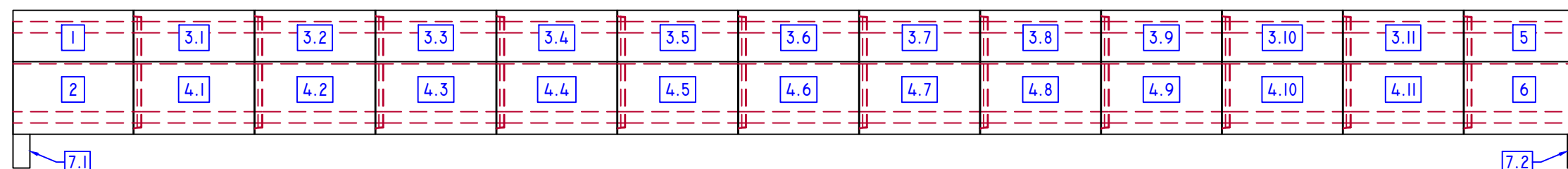
REV.#:
 0.00

DATE:
 02/03/2023

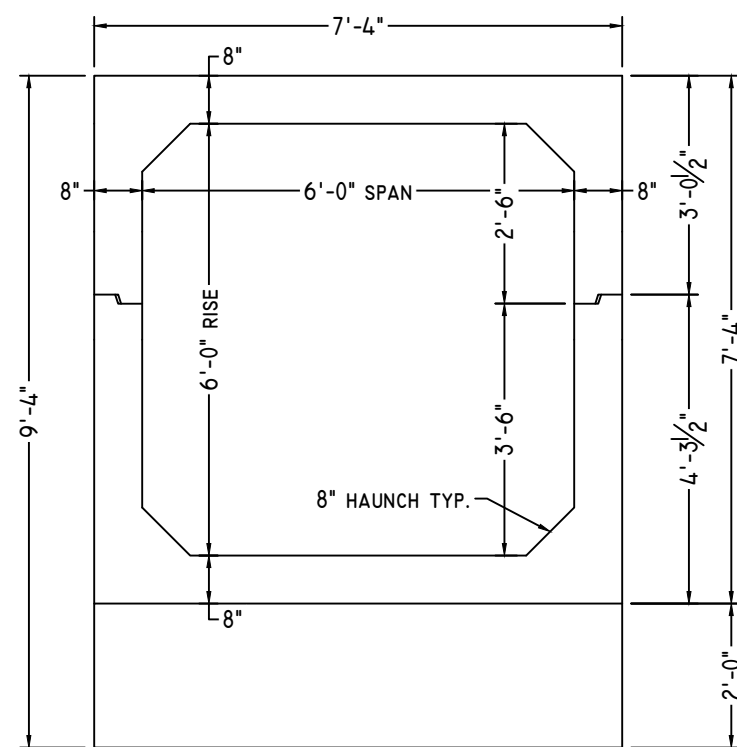
C5.0



PLAN VIEW

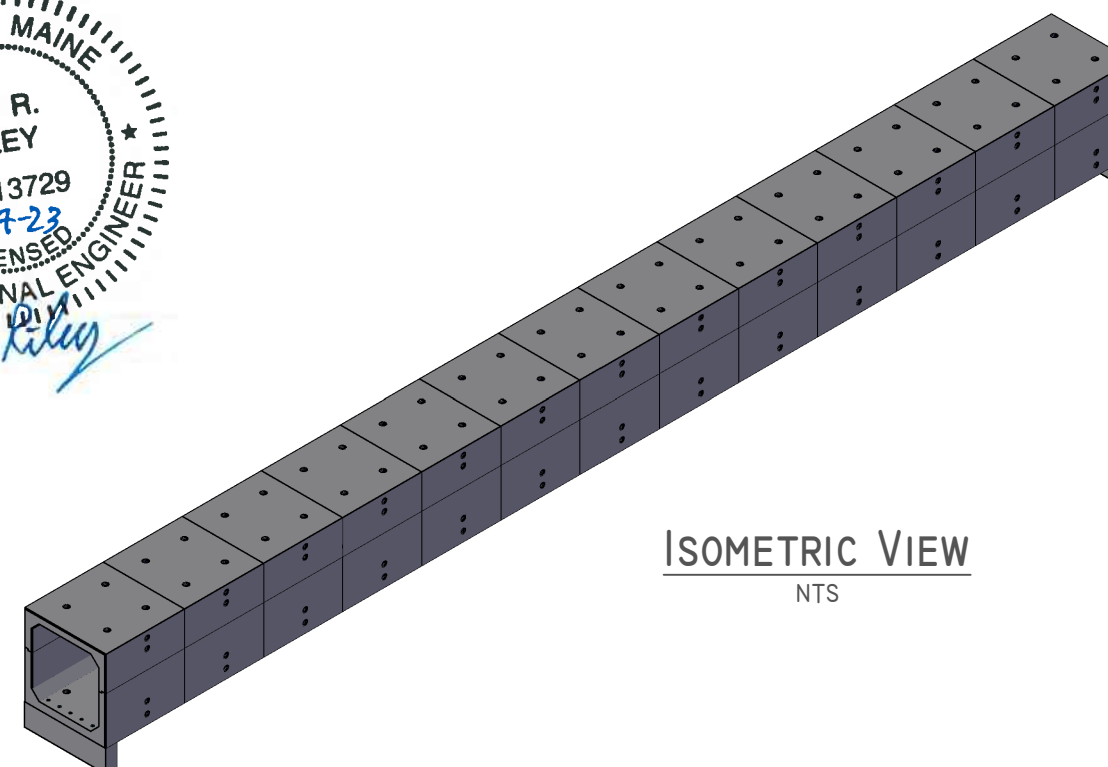
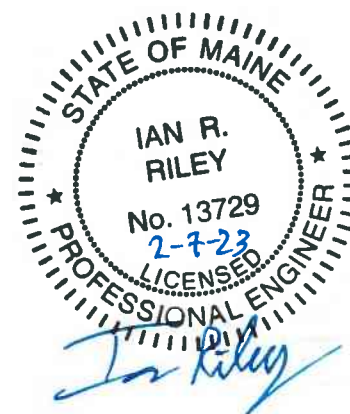


ELEVATION-A



ELEVATION-B

3/8" = 1'-0"



ISOMETRIC VIEW

NTS

UPSTREAM END



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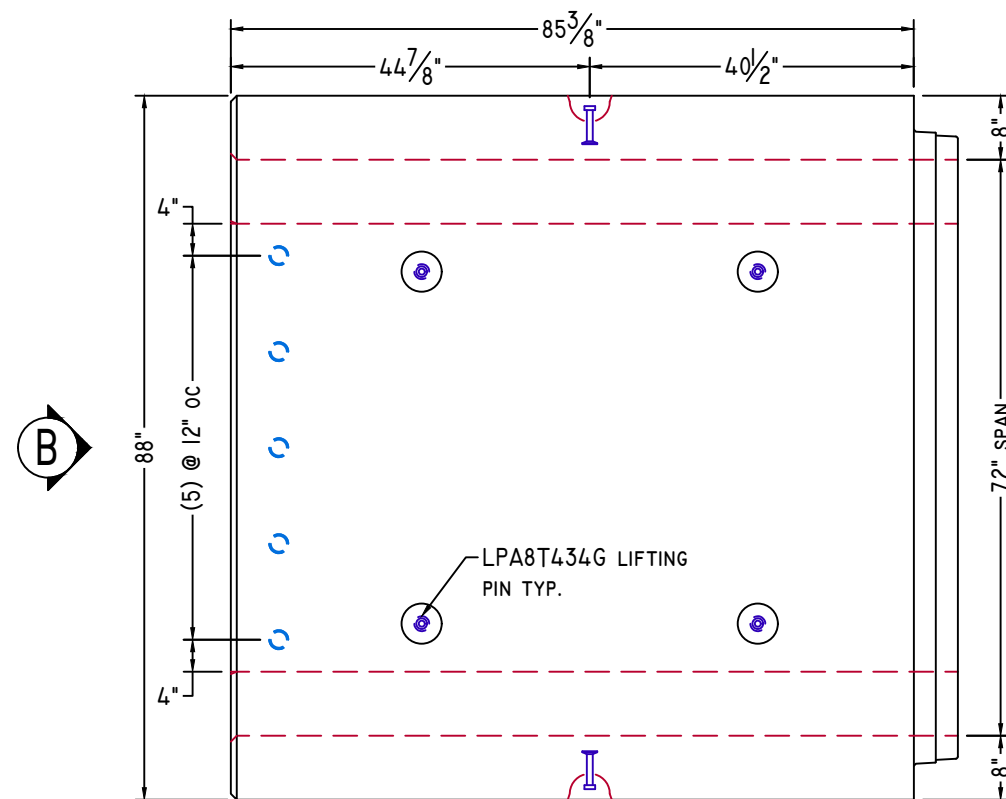
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BILL OF MATERIALS

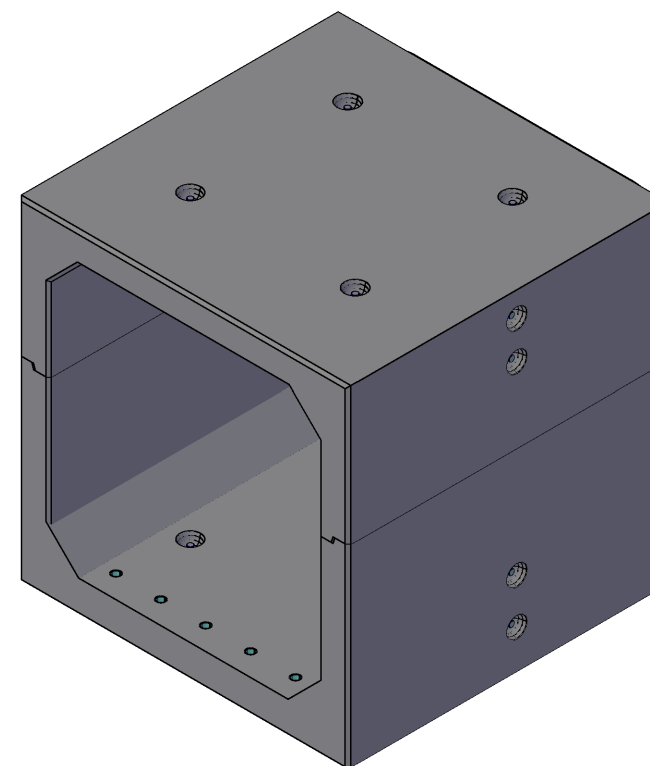
ITEM	QTY	DESCRIPTION	WEIGHT# EA
1	1	UPSTREAM END TOP	9,335
2	1	UPSTREAM END BOTTOM	10,960

DESIGN NOTES:

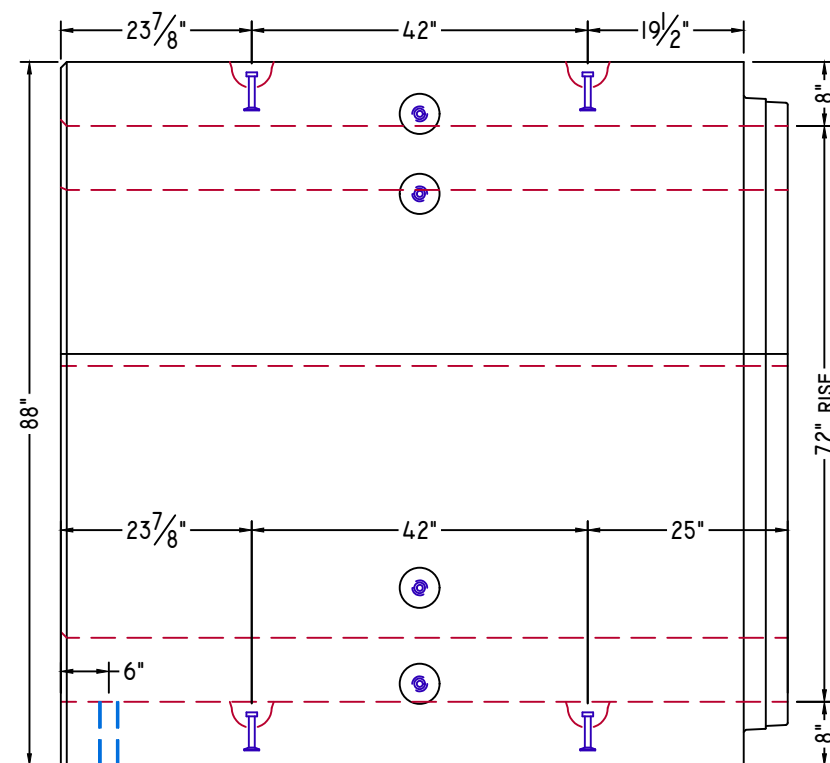
1. Concrete
 - 1.1. COMP. STRENGTH MIN. 5,000PSI @ 28 DAYS
 - 1.2. AIR-ENTRAINMENT: 5.5% MIN - 7.5% MAX
2. Structural Reinforcement:
 - 2.1. BAR PER ASTM A615, GRADE 60
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 - 2.5. 2" CLR EXT., 1 1/2" CLR INT. UNLESS NOTED OTHERWISE
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 - 3.1. JOINTS SEALED WITH BUTYL RUBBER SEALANT.
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4. Soil / Fill Requirements:
 - MINIMUM ALLOWABLE FILL: 5.75'
 - MAXIMUM ALLOWABLE FILL: 6.25'



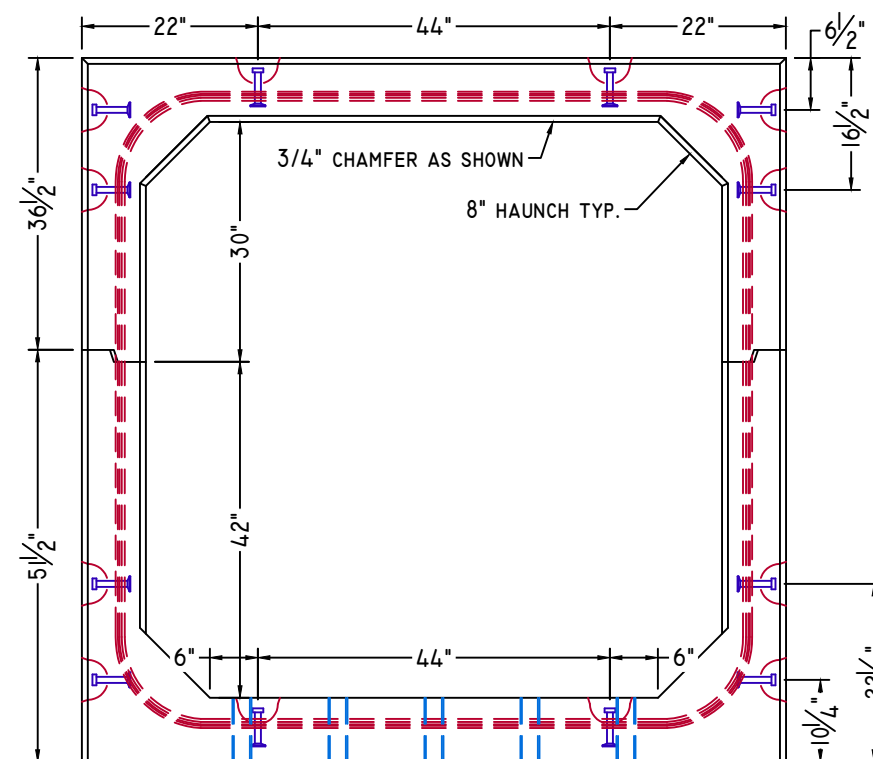
PLAN VIEW



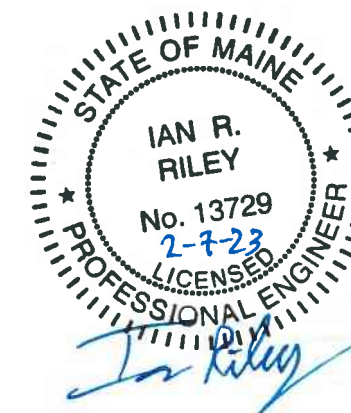
ISOMETRIC VIEW
NTS



ELEVATION-A



ELEVATION-B



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

STRUCTURE NAME:	CULVERT 5: 6' x 6' x 93' (STA. 140+76)
JOB NAME:	US ROUTE I (WIN 20421.10)
LOCATION:	VAN BUREN, ME
CONTRACTOR:	ME DOT

DRAWN BY:	DATE:	C5.1
SSM	02/03/2023	
REV.#:	DATE:	
0.00	02/03/2023	

MID SECTION

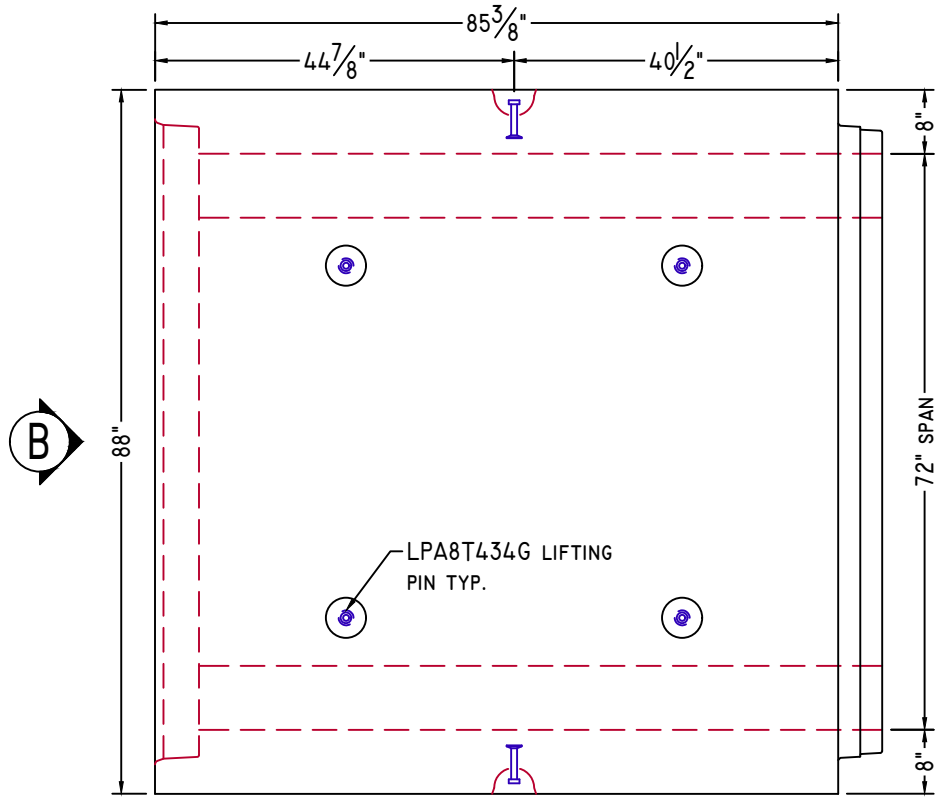


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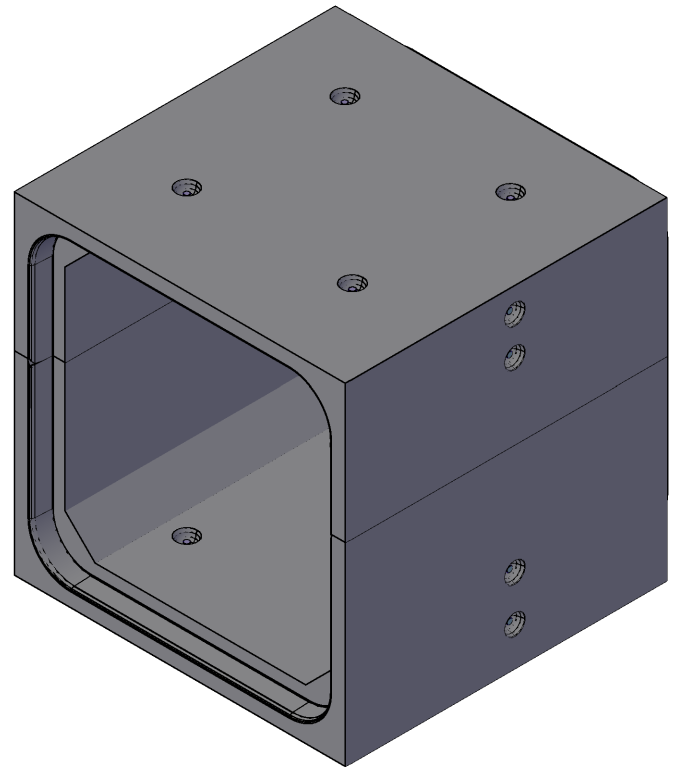
BILL OF MATERIALS

ITEM	QTY	DESCRIPTION	WEIGHT# EA
3	II	MID SECTION TOP	9,100
4	II	MID SECTION BOTTOM	10,695

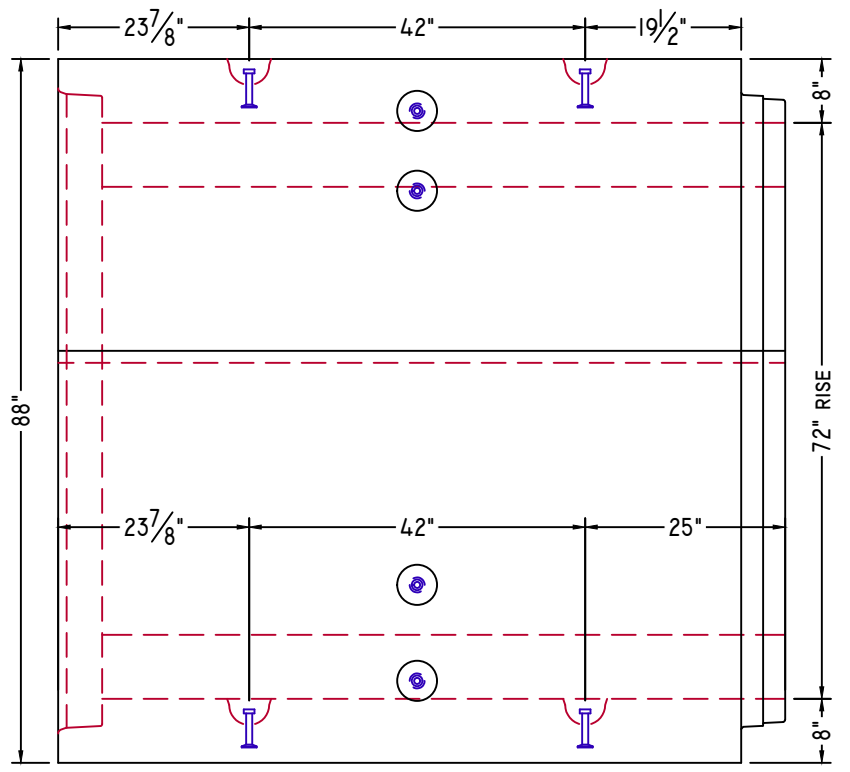
- DESIGN NOTES:
- Concrete**
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 - Soil / Fill Requirements:**
 - 4.1. MINIMUM ALLOWABLE FILL: 5.75'
 - 4.2. MAXIMUM ALLOWABLE FILL: 6.25'



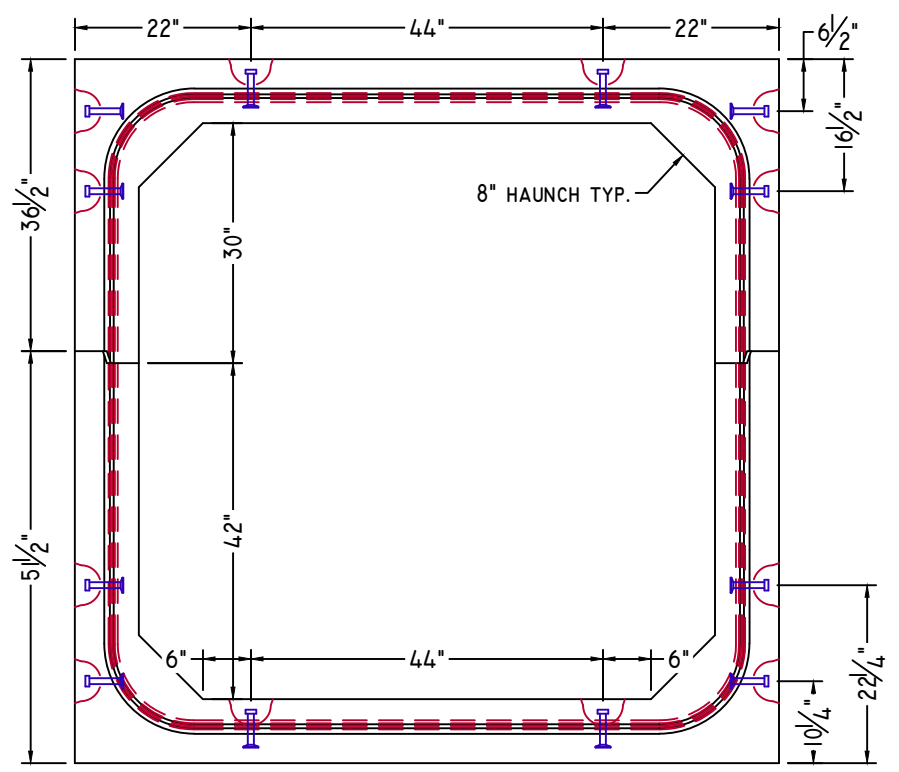
PLAN VIEW



ISOMETRIC VIEW
NTS



ELEVATION-A



ELEVATION-B



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

STRUCTURE NAME: CULVERT 5: 6' x 6' x 93' (STA. 140+76)
 JOB NAME: US ROUTE I (WIN 20421.10)
 LOCATION: VAN BUREN, ME
 CONTRACTOR: ME DOT

DRAWN BY: SSM	DATE: 02/03/2023
REV.#: 0.00	DATE: 02/03/2023

C5.2

DOWNSTREAM END



American Concrete Industries

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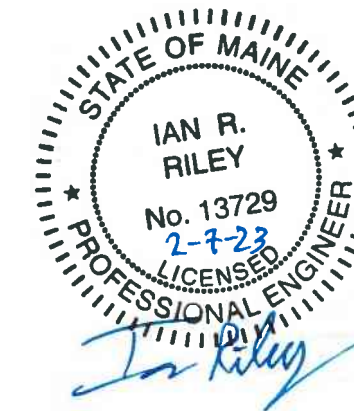
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BILL OF MATERIALS

ITEM	QTY	DESCRIPTION	WEIGHT# EA
5	1	DOWNSTREAM END TOP	8,870
6	1	DOWNSTREAM END BOTTOM	10,420

DESIGN NOTES:

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NOTE: Some details not shown for clarity.

SCALE: 1/2" = 1'-0" Unless noted otherwise.

STRUCTURE NAME:
CULVERT 5: 6' x 6' x 93' (STA. 140+76)

JOB NAME:
US ROUTE I (WIN 20421.10)

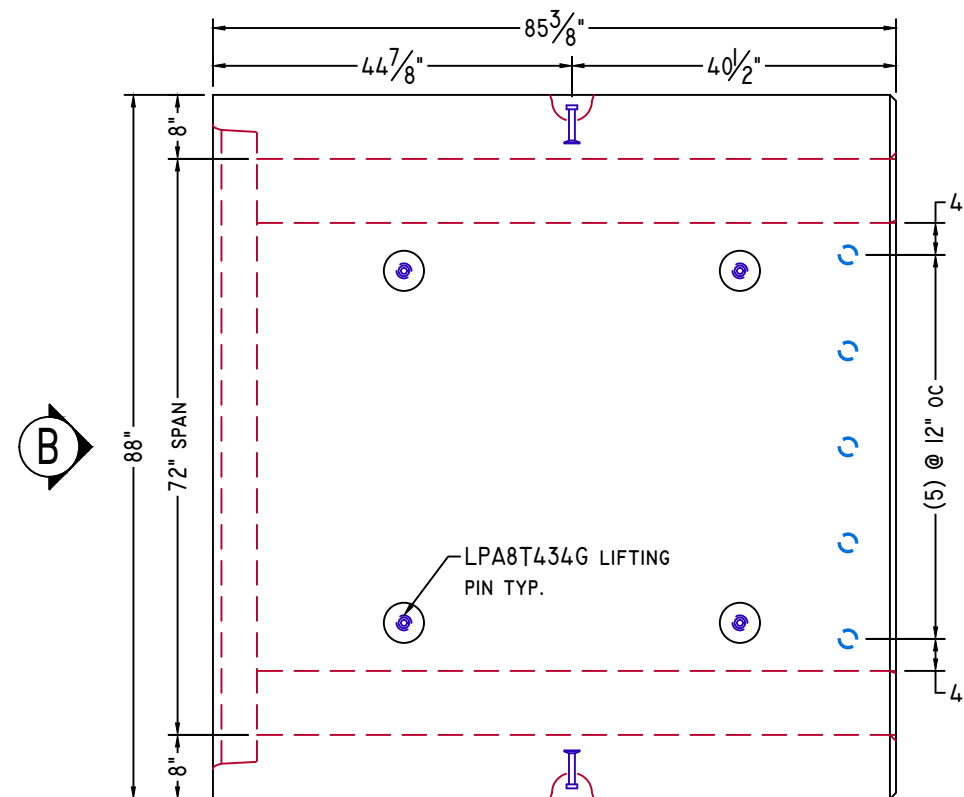
LOCATION:
VAN BUREN, ME

CONTRACTOR:
ME DOT

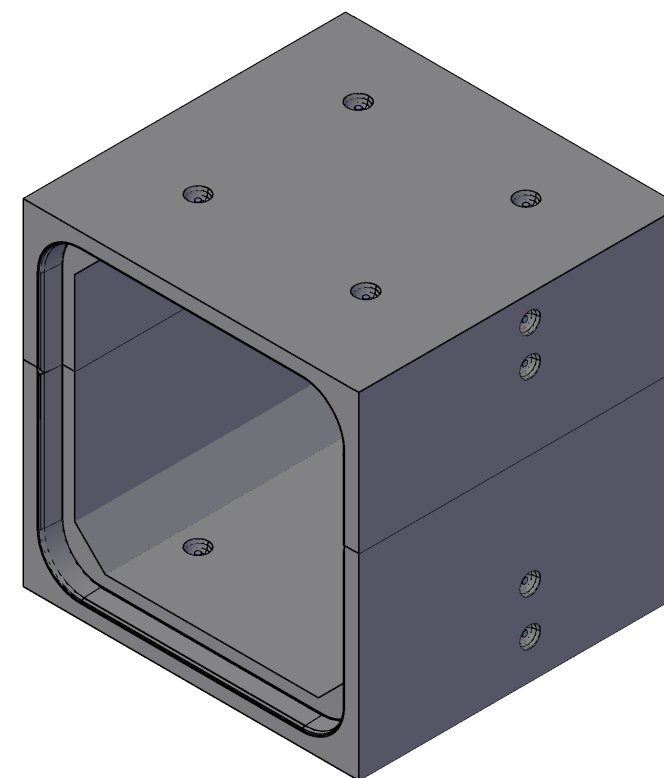
DRAWN BY: SSM
DATE: 02/03/2023

REV.#: 0.00
DATE: 02/03/2023

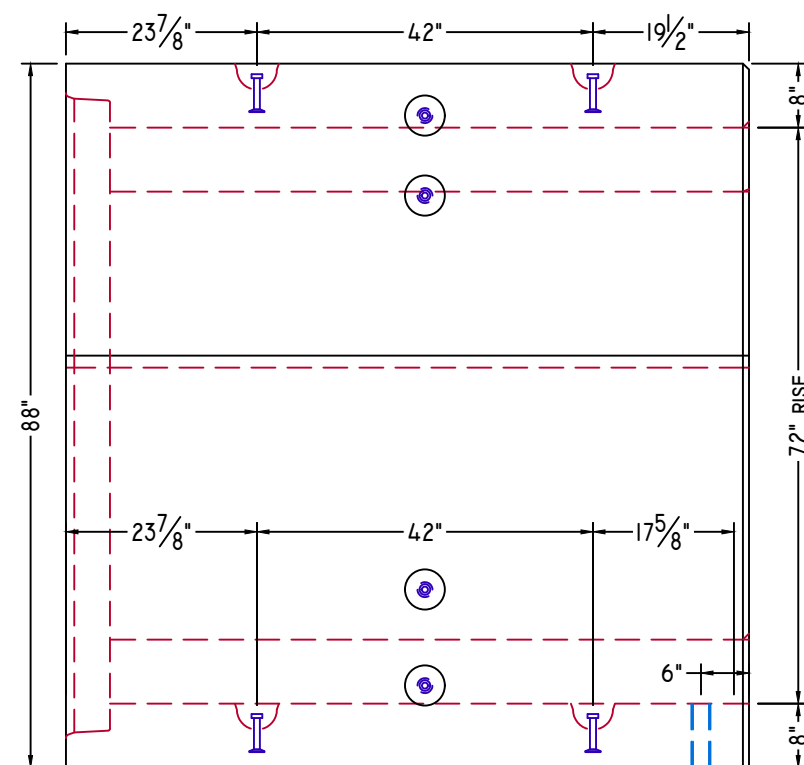
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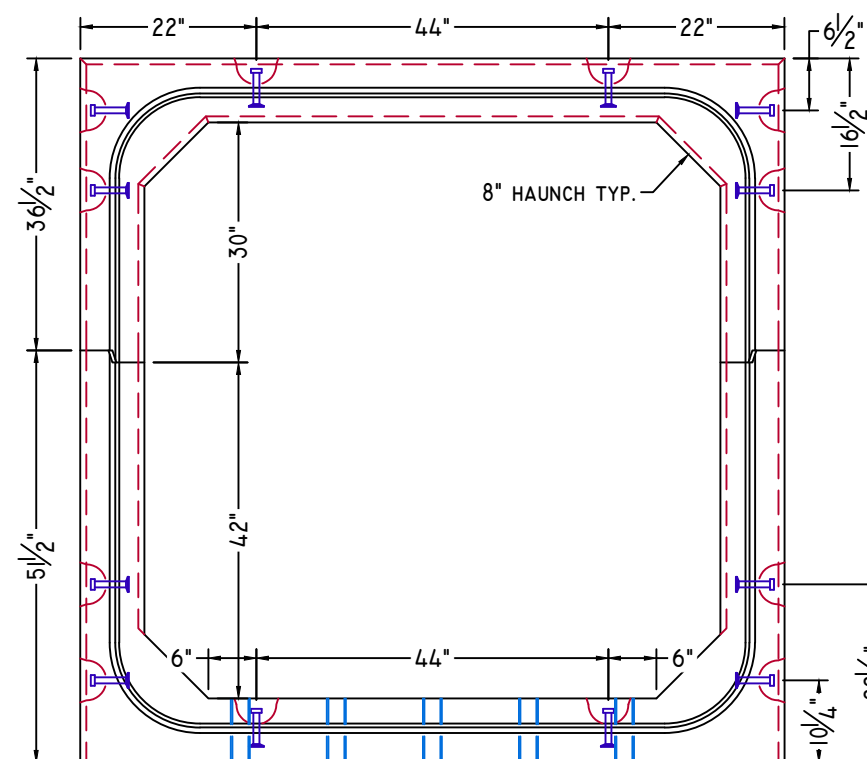
PLAN VIEW



ISOMETRIC VIEW
NTS



ELEVATION-A



ELEVATION-B

STANDARD DETAILS



American Concrete Industries

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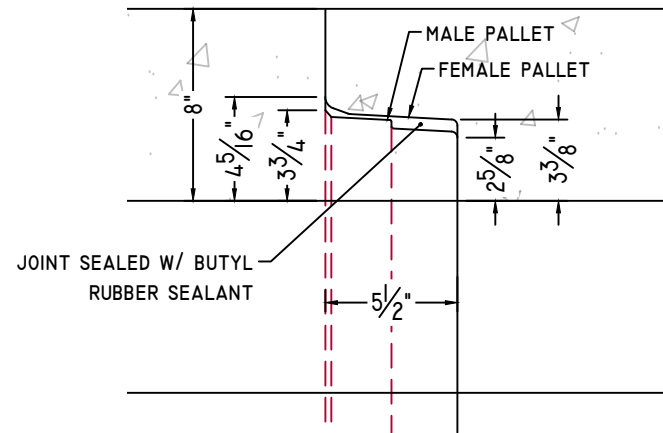
FAX: 207-947-3580

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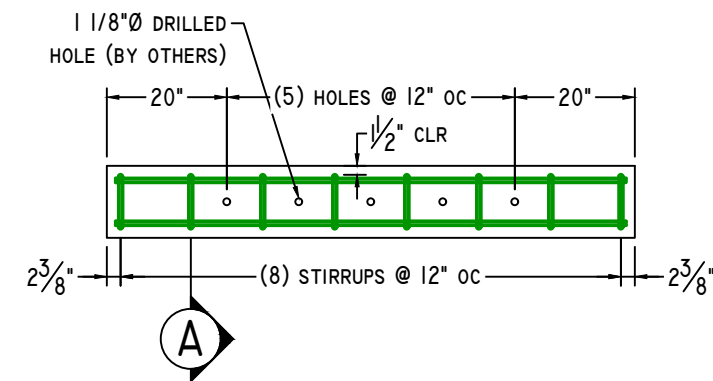
BILL OF MATERIALS

ITEM	QTY	DESCRIPTION	WEIGHT# EA
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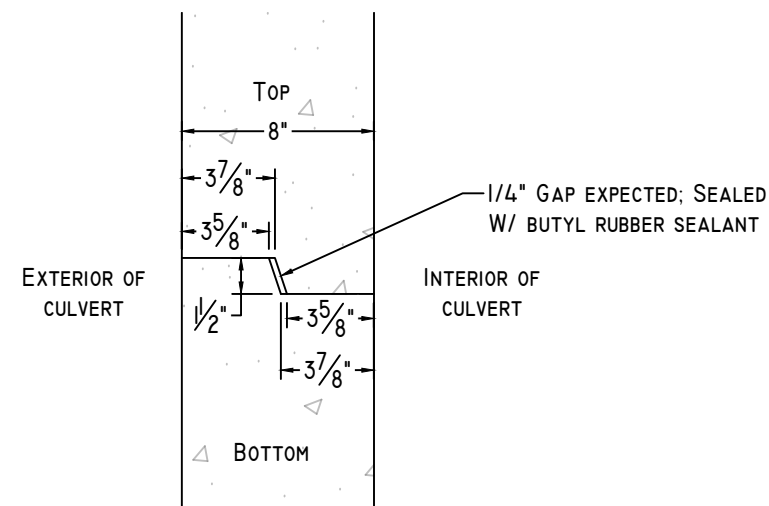


CULVERT JOINT DETAIL

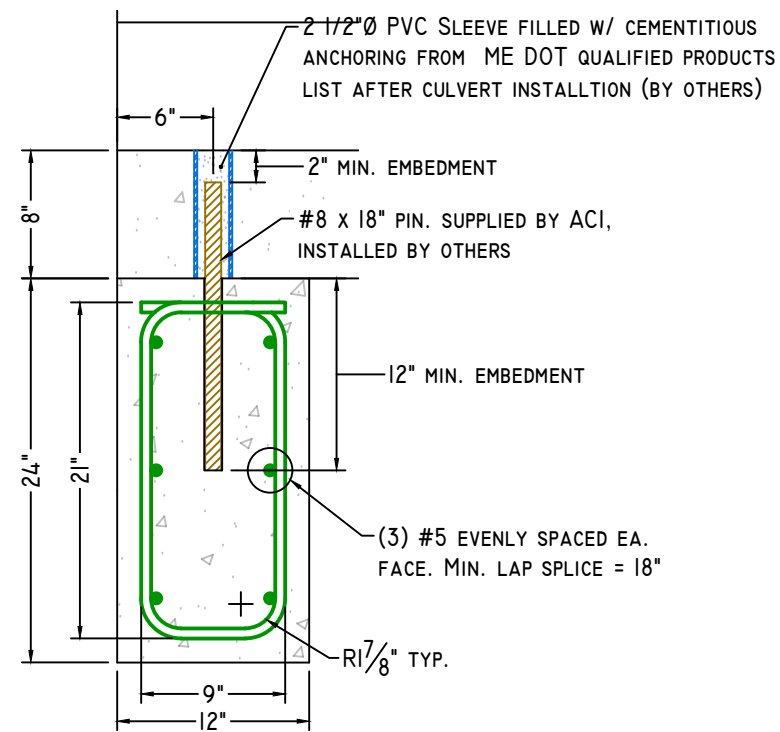


TOEWALL DETAIL

3/8" = 1'-0"

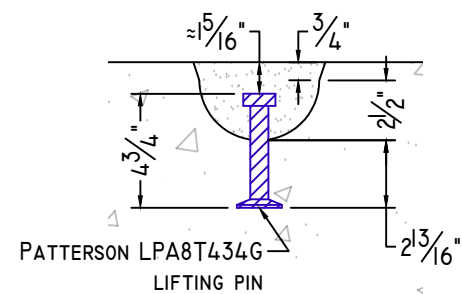


CLAMSHELL JOINT DETAIL

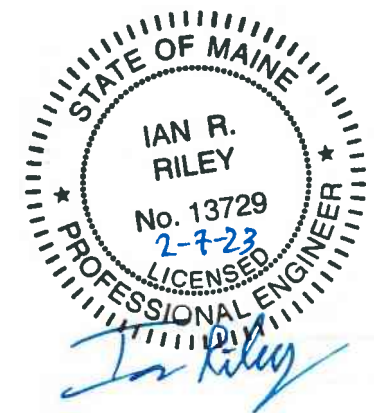


SECTION-A

1" = 1'-0"



8T 4 3/4" LIFTING PIN DETAIL



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

STRUCTURE NAME:		D5.0
CULVERT 5: 6' x 6' x 93' (STA. 140+76)		
JOB NAME:		D5.0
US ROUTE I (WIN 20421.10)		
LOCATION:		D5.0
VAN BUREN, ME		
CONTRACTOR:		D5.0
ME DOT		
DRAWN BY:	DATE:	D5.0
SSM	02/03/2023	
REV.#:	DATE:	D5.0
0.00	02/03/2023	

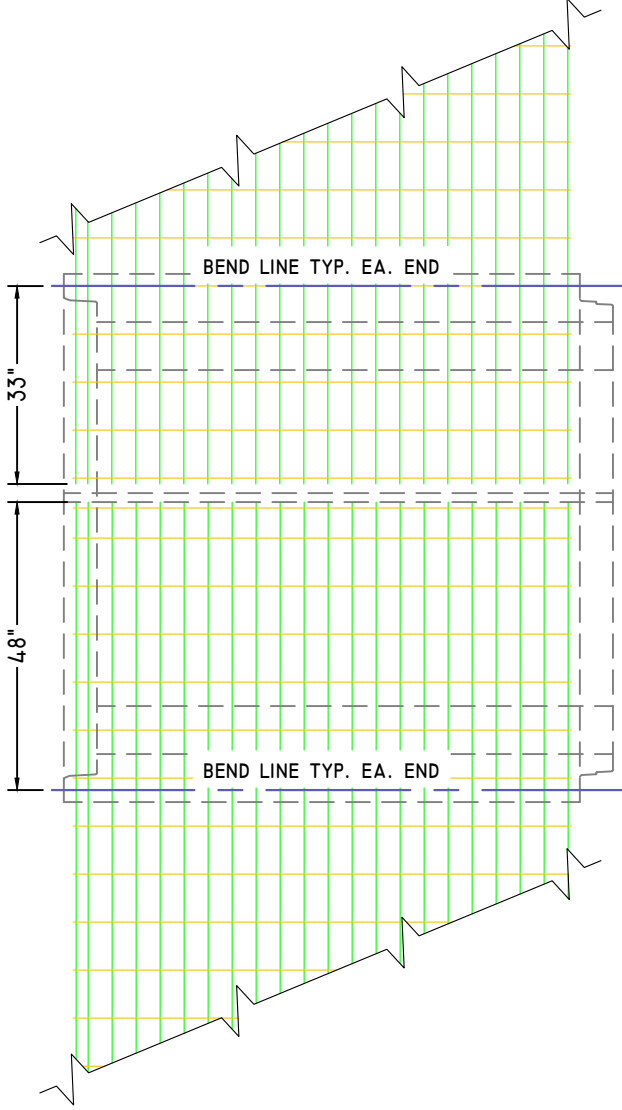
WELDED WIRE DETAILS



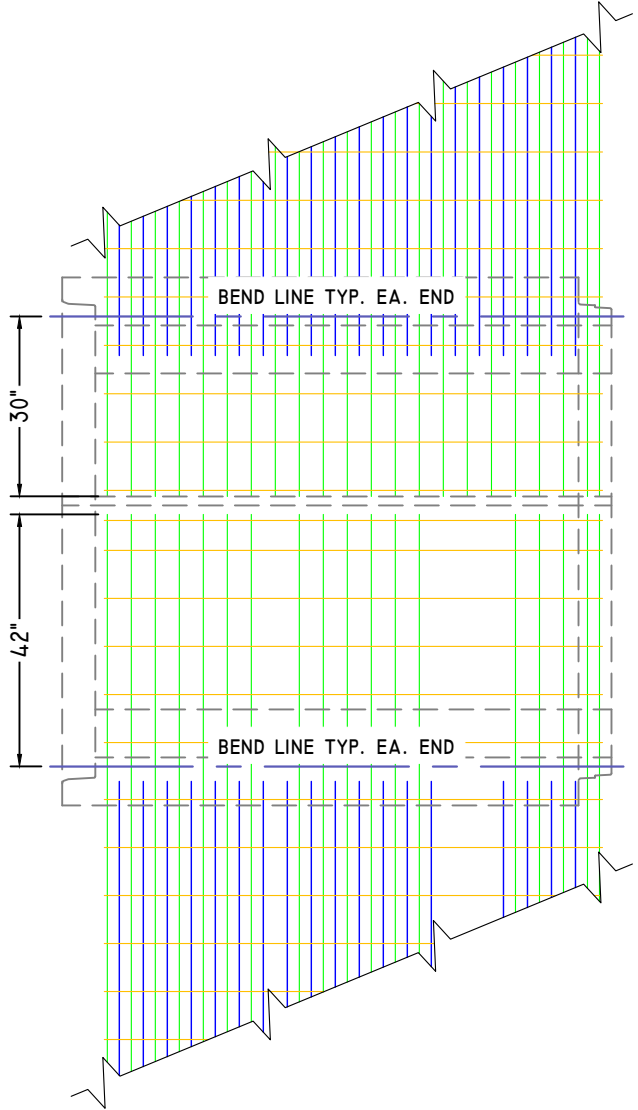
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BILL OF MATERIALS

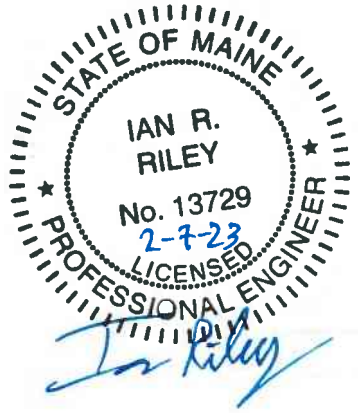
ITEM	QTY	DESCRIPTION	WEIGHT# EA
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ALL SECTIONS, EXTERIOR



ALL SECTIONS, INTERIOR



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

STRUCTURE NAME:	CULVERT 5: 6' x 6' x 93' (STA. 140+76)
JOB NAME:	US ROUTE 1 (WIN 20421.10)
LOCATION:	VAN BUREN, ME
CONTRACTOR:	ME DOT

DRAWN BY:	DATE:
SSM	02/03/2023
REV.#:	DATE:
0.00	02/03/2023

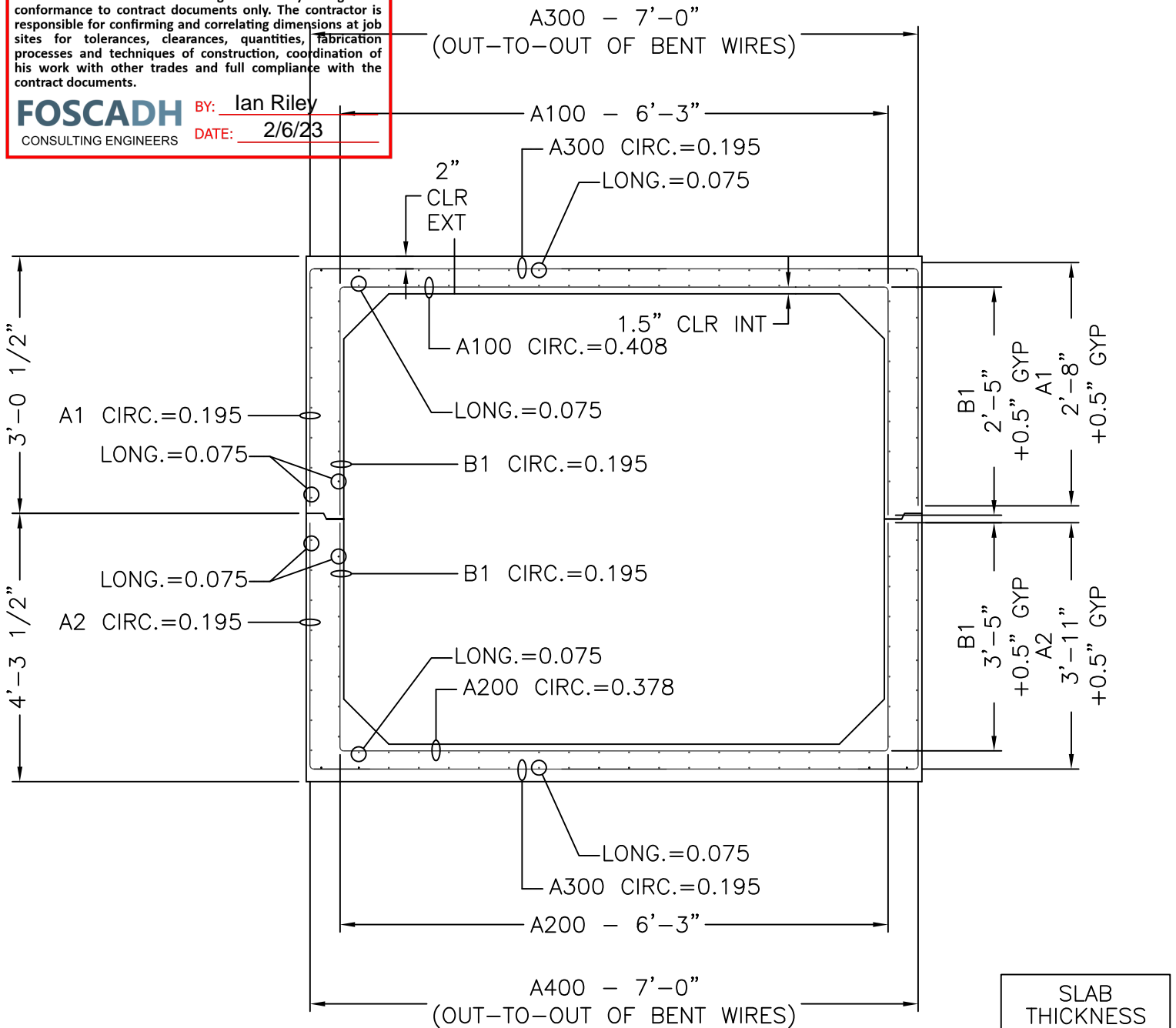
W5.0

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.

FOSCADH BY: Ian Riley
CONSULTING ENGINEERS DATE: 2/6/23



6' x 6' x 7'-1 3/8"

CROSS SECTION WITH AREAS OF STEEL

SLAB THICKNESS	
TOP	8"
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 7'-1 3/8" JOINT = 411.5 lbs

BOX SIZE: 6' X 6' X 7'-1 3/8"	ASTM: HL-93	TABLE: 125%	FILL: -
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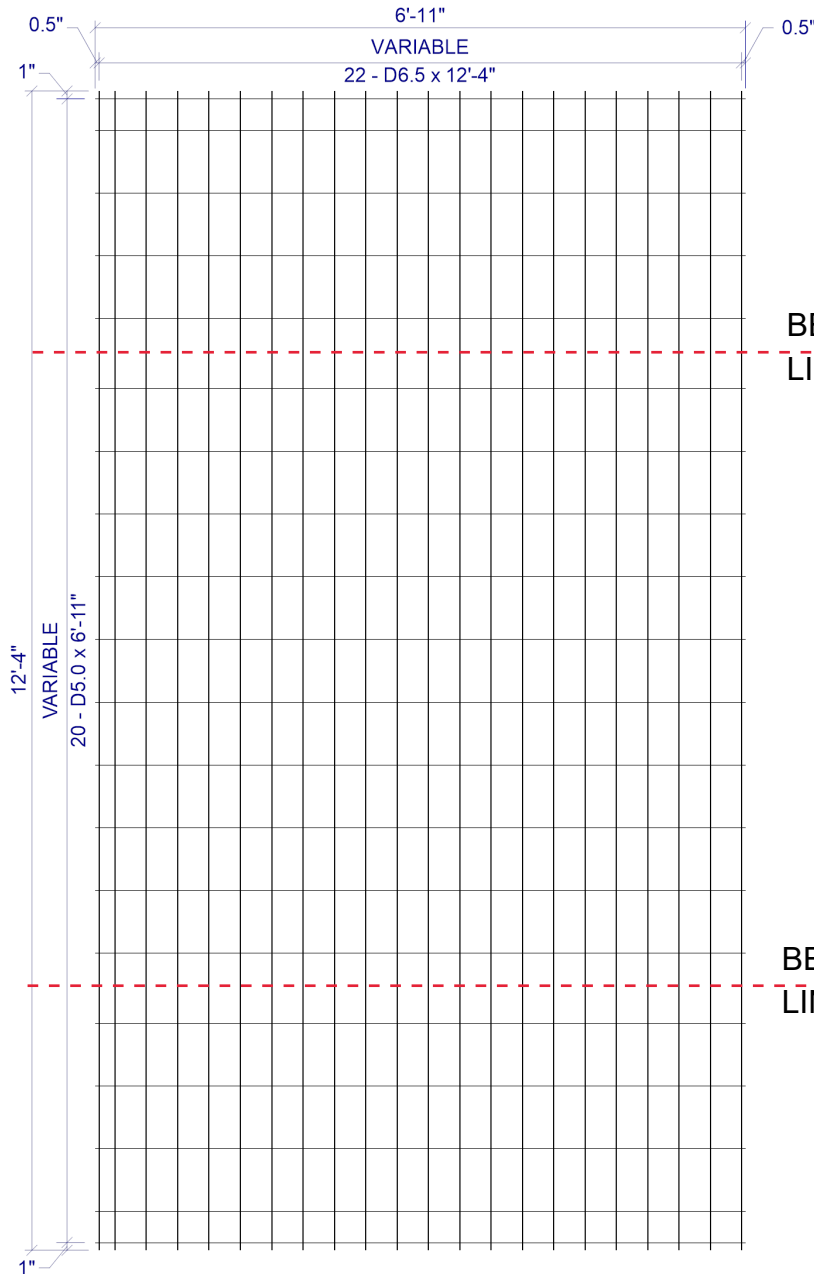
Concrete Reinforcements, Inc.
3830 Presidents Way
Jacksonville, FL 32220
PH. 904-520-7100 FAX. 904-520-7101

CUSTOMER: AMERICAN CONCRETE	DRAWN BY: BWA	REVISION: -	SHEET DESCRIPTION: COVER	
PROJECT: 6' X 6' X 7'-1 3/8" VAN BUREN #5	DATE: 2/3/2023	REVISION DATE: -	FILE NAME: F22-4382	
CHECKED BY: BWA	SCALE: NTS	PROJECT #: F22-4382	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 F22-4382 - Drawings - 6x6 Van Buren #5 - American - 1-23-2023
 LOCATION Veazie, ME
 DATE 02-02-2023 MARK NUMBER A1/A300 (-01)

L.W.SPAC VAR
 C.W.SPAC VAR
 L.W.1 SIZE D6.5
 L.W.2 SIZE N/A
 C.W.SIZE D5.0
 WIDTH 6'-11"
 LENGTH 12'-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	22	N/A
SIZE	D6.5	N/A	D5.0
LENGTH	12'-4"	-	6'-11"
W.T./SHEET			
SHEET W.T.	83.48#		
QUANTITY	13		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

BEND LINE

BEND LINE

VAR x VAR D6.5 / D5.0 (GRADE 75) 82(+0.5, +0.5) x 12'-4" (1, 1)

VAR = 0.5" OH, 1@2", 20@4", 0.5" OH
 VAR = 1" OH, 1@4", 3@8", 1@9", 9@8", 1@9", 3@8", 1@4", 1" OH

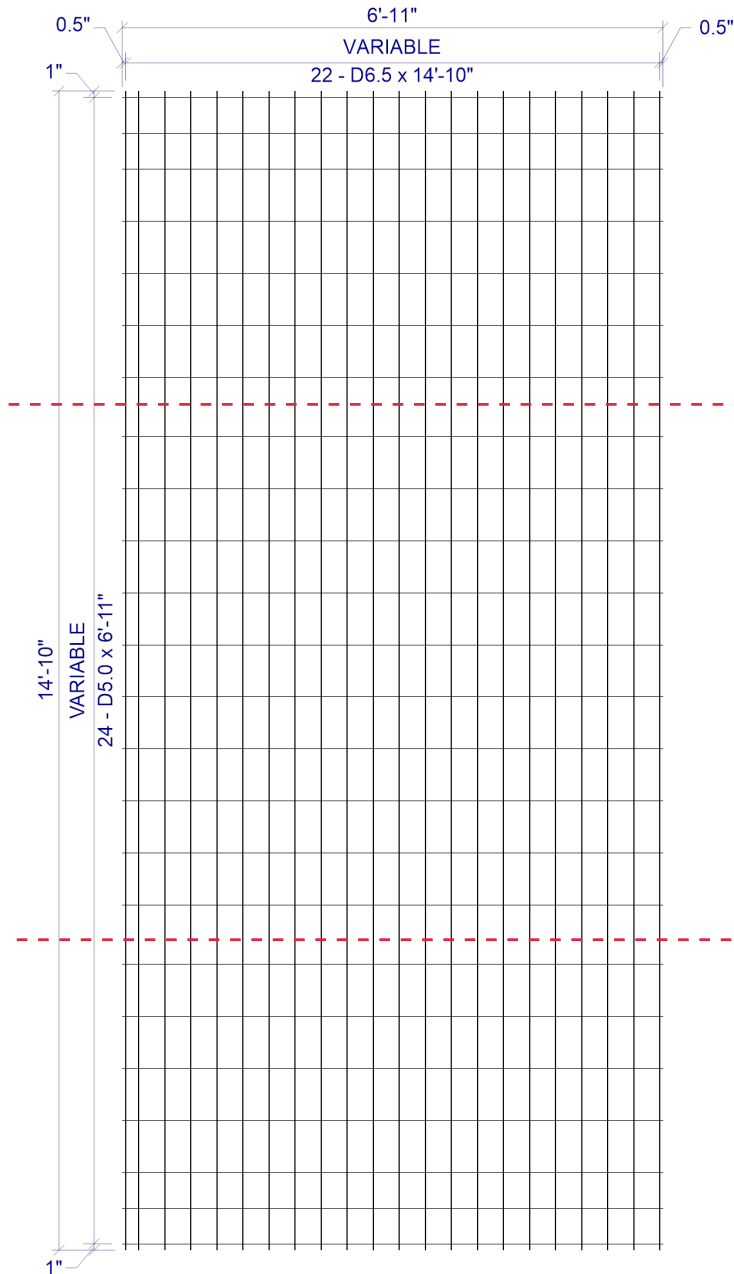
SPECIAL REMARKS:
 BEND DIMS: SLAB=84", WALLS=32" (+0.5" GYP)

APPROVED _____

SHEET DESIGN



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



CUSTOMER American Concrete
 PROJECT F22-4382 - Drawings - 6x6 Van Buren #5 - American - 1-23-2023
 LOCATION Veazie, ME
 DATE 02-02-2023 MARK NUMBER A2/A400 (-02)

L.W.SPACE VAR
 C.W.SPACE VAR
 L.W.1 SIZE D6.5
 L.W.2 SIZE N/A
 C.W.SIZE D5.0
 WIDTH 6'-11"
 LENGTH 14'-10"
 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	N/A
SIZE	D6.5	N/A	D5.0
LENGTH	14'-10"	-	6'-11"
W.T./SHEET			
SHEET W.T.	100.34#		
QUANTITY	13		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

SPECIAL REMARKS:
 BEND DIMS: SLAB=84", WALLS=53" (+0.5"GYP)

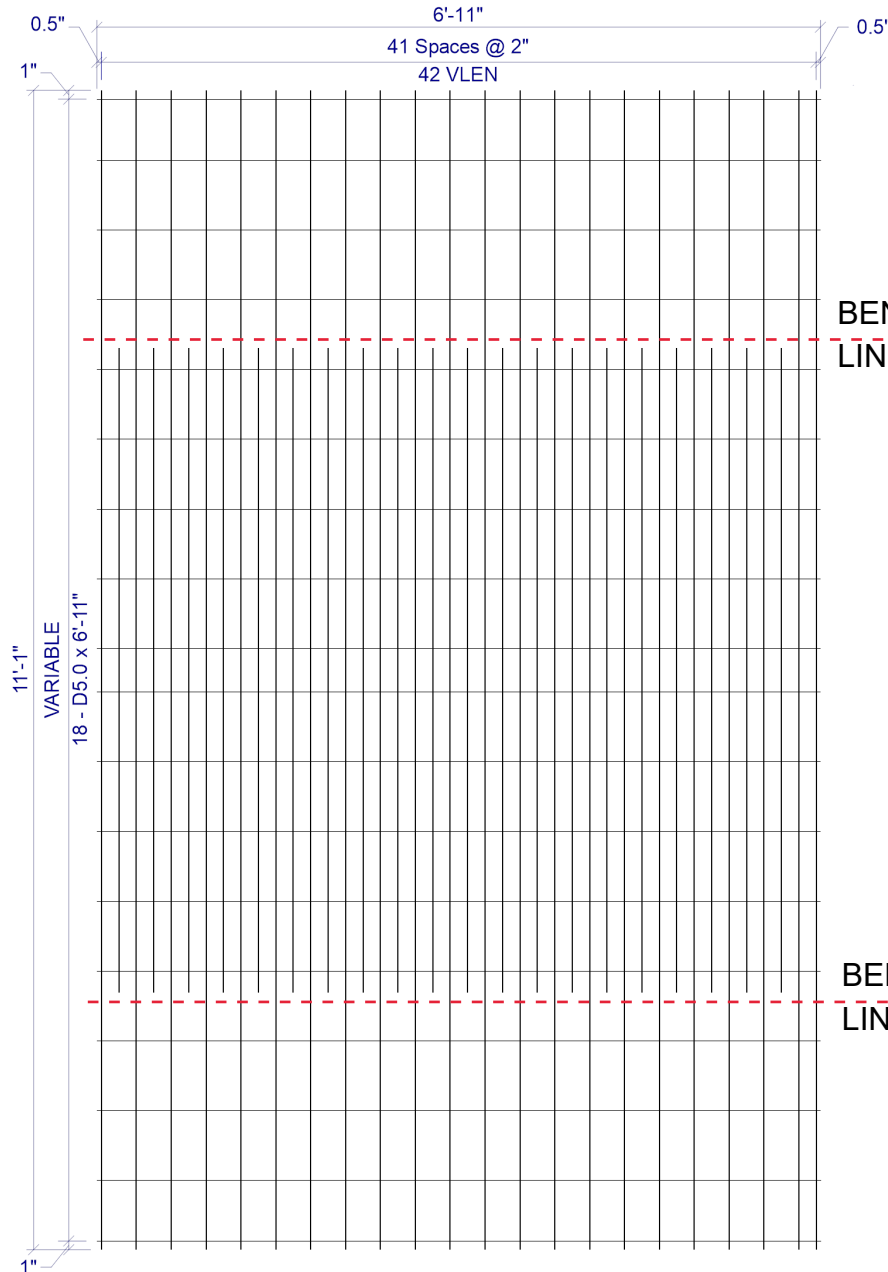
VAR x VAR D6.5 / D5.0 (GRADE 75) 82(+0.5, +0.5) x 14'-10" (1, 1)
 VAR = 0.5" OH, 1@2", 20@4", 0.5" OH
 VAR = 1" OH, 2@5.5", 4@8", 1@9", 9@8", 1@9", 4@8", 2@5.5", 1" OH

APPROVED _____

SHEET DESIGN



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2 x VAR D6.5 / D7.1 / D5.0 (GRADE 75) 82"(+0.5", +0.5") x VLEN(1", 1")
 VLEN = ALTERNATING LENGTH 6'-2" & 11'-1" WITH 11'-1" @ LHS & RHS
 VAR = 1" OH, 1@7", 7@8", 1@5", 7@8", 1@7", 1" OH

CUSTOMER American Concrete
 PROJECT F22-4382 - Drawings - 6x6 Van Buren #5 - American - 1-23-2023
 LOCATION Veazie, ME
 DATE 02-02-2023 MARK NUMBER B1/A100 (-03)

L.W.SPACE 2"
 C.W.SPACE VAR
 L.W.1 SIZE D6.5
 L.W.2 SIZE D7.1
 C.W.SIZE D5.0
 WIDTH 6'-11"
 LENGTH 11'-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	22	20
SIZE	D6.5	D7.1	D5.0
LENGTH	11'-1"	6'-2"	6'-11"
W.T./SHEET			
SHEET W.T.	106.60#		
QUANTITY	13		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

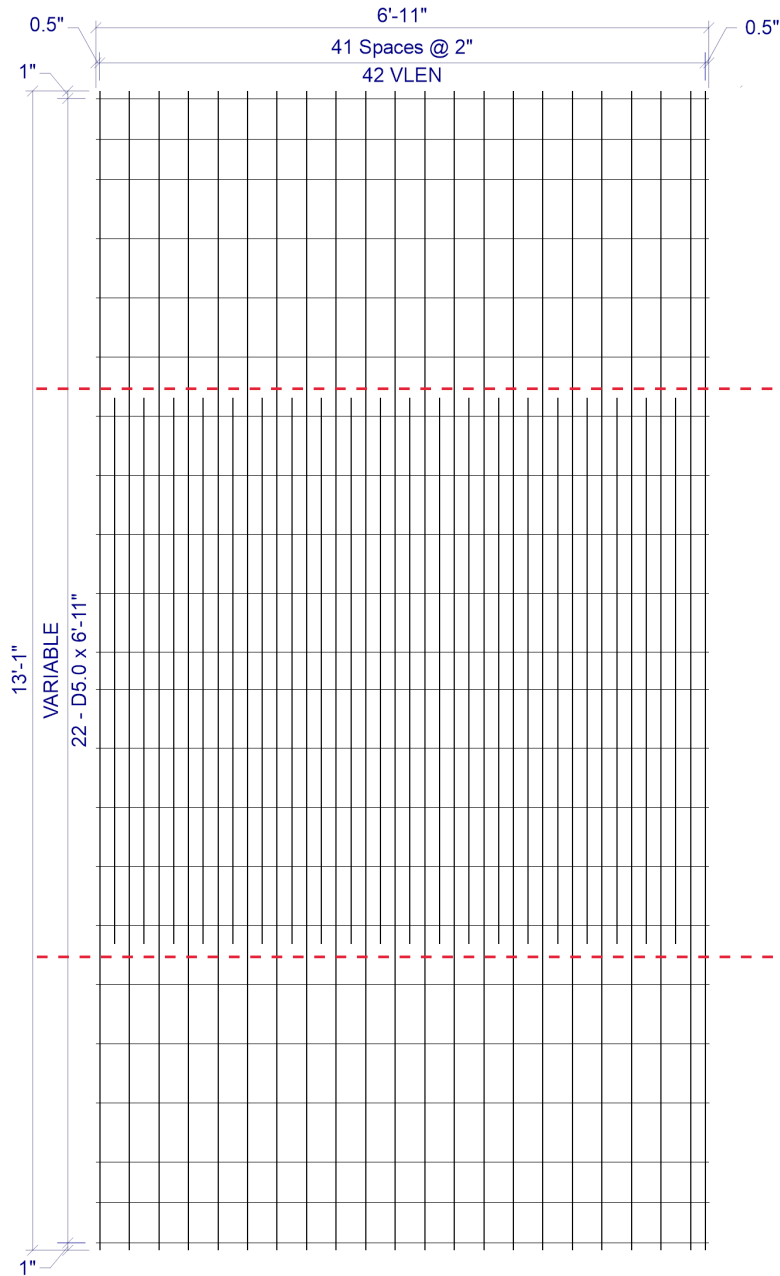
SPECIAL REMARKS:
 BEND DIMS: SLAB=75" WALLS=23" (+0.5" GYP)

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 F22-4382 - Drawings - 6x6 Van Buren #5 - American - 1-23-2023
 LOCATION Veazie, ME
 DATE 02-02-2023 MARK NUMBER B1/A200 (-04)

L.W.SPACE 2"
 C.W.SPACE VAR
 L.W.1 SIZE D6.5
 L.W.2 SIZE D6.1
 C.W.SIZE D5.0
 WIDTH 6'-11"
 LENGTH 13'-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	22	20
SIZE	D6.5	D6.1	D5.0
LENGTH	13'-1"	6'-2"	6'-11"
W.T./SHEET			
SHEET W.T.	121.00#		
QUANTITY	13		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

SPECIAL REMARKS:
 BEND DIMS: SLAB=75", WALLS=41" (+0.5"GYP)

2 x VAR D6.5 / D6.1 / D5.0 (GRADE 75) 82"(+0.5", +0.5") x VLEN(1", 1")
 VLEN = ALTERNATING LENGTH 6'-2" & 13'-1" WITH 13'-1" @ LHS & RHS
 VAR = 1" OH, 2@5.5", 8@8", 1@5", 8@8", 2@5.5", 1" OH

APPROVED _____

OVERALL



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	9,335
2	1	UPSTREAM END BOTTOM	10,960
3	11	MID SECTION TOP	9,100
4	11	MID SECTION BOTTOM	10,695
5	1	DOWNSTREAM END TOP	8,870
6	1	DOWNSTREAM END BOTTOM	10,420
7	2	1' x 2' x 8'-4" TOEWALL	2,195
8	10	#8 x 18" TOEWALL PIN (SHIPPED LOOSE)	

DESIGN NOTES:

- Concrete**
 - 1.1. COMP. STRENGTH MIN. 5,000PSI @ 28 DAYS
 - 1.2. AIR-ENTRAINMENT: 5.5% MIN - 7.5% 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 (WHEN REQUIRED.)
 - 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. JOINTS SEALED WITH BUTYL RUBBER SEALANT.
 - 3.2. ALL JOINTS FILLED W/ NON-SHRINK GROUT AFTER INSTALLATION.
- Soil / Fill Requirements:**
 - MINIMUM ALLOWABLE FILL: 5.75'
 - MAXIMUM ALLOWABLE FILL: 6.25'

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

STRUCTURE NAME:
 CULVERT 5: 6' x 6' x 93' (STA. 140+76)

JOB NAME:
 US ROUTE 1 (WIN 20421.10)

LOCATION:
 VAN BUREN, ME

CONTRACTOR:
 ME DOT

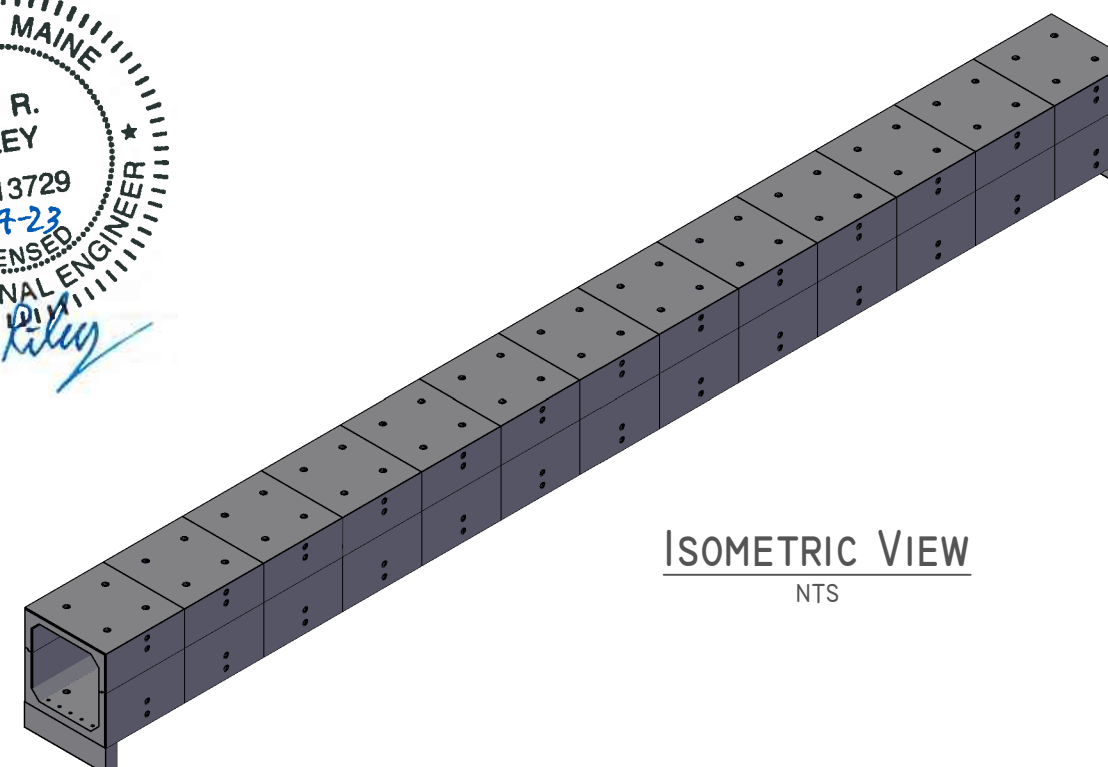
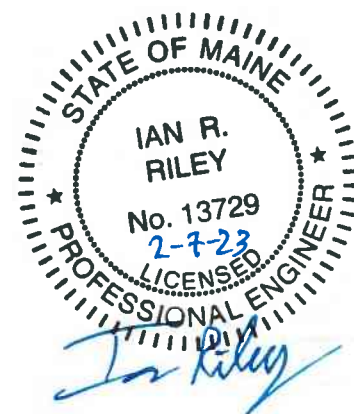
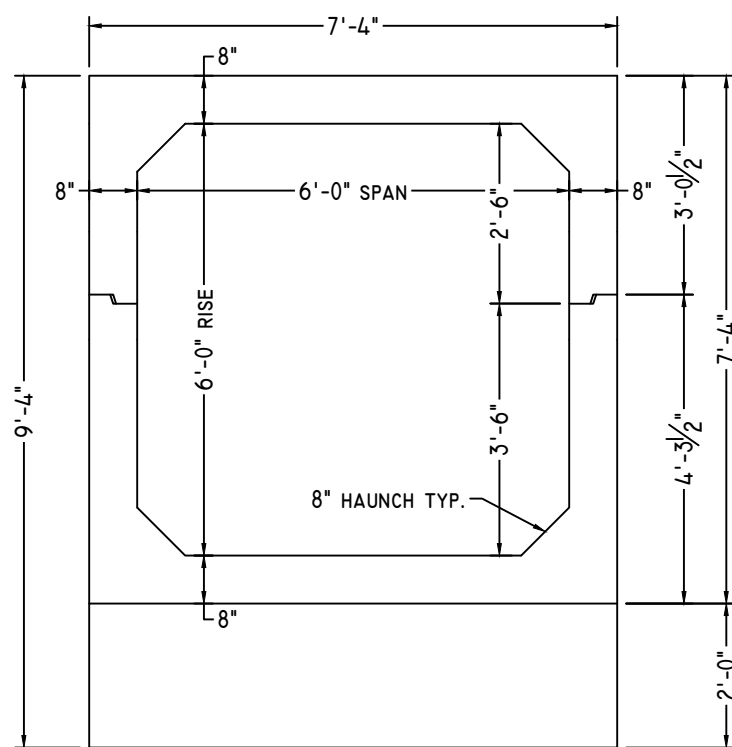
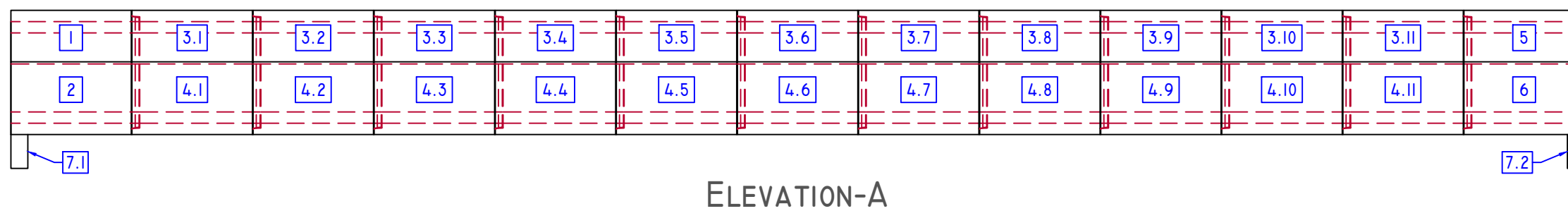
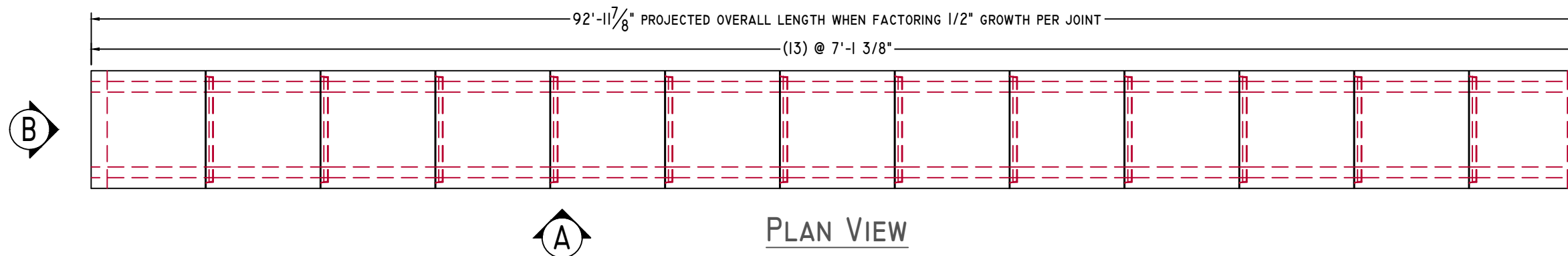
DRAWN BY:
 SSM

DATE:
 02/03/2023

REV.#:
 0.00

DATE:
 02/03/2023

C5.0



ELEVATION-B
 3/8" = 1'-0"

ISOMETRIC VIEW
 NTS

UPSTREAM END



American Concrete Industries

1717 STILLWATER AVE. VEAZIE, ME. 04401

TEL: 207-947-8334

FAX: 207-947-3580

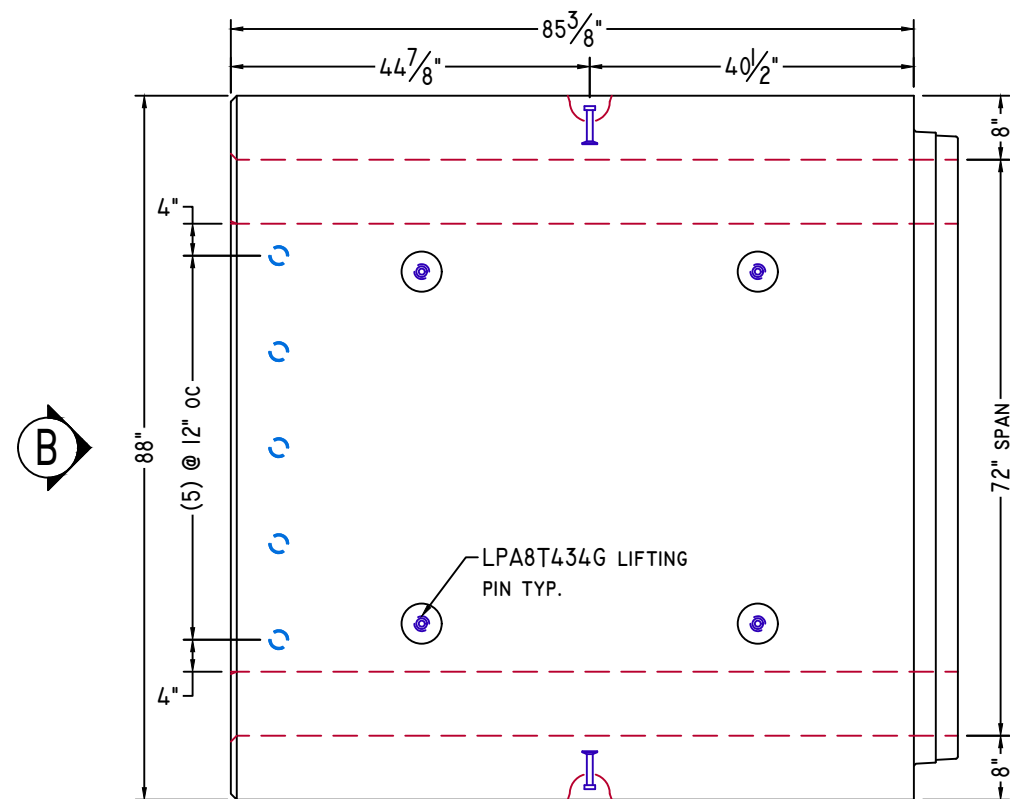
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BILL OF MATERIALS

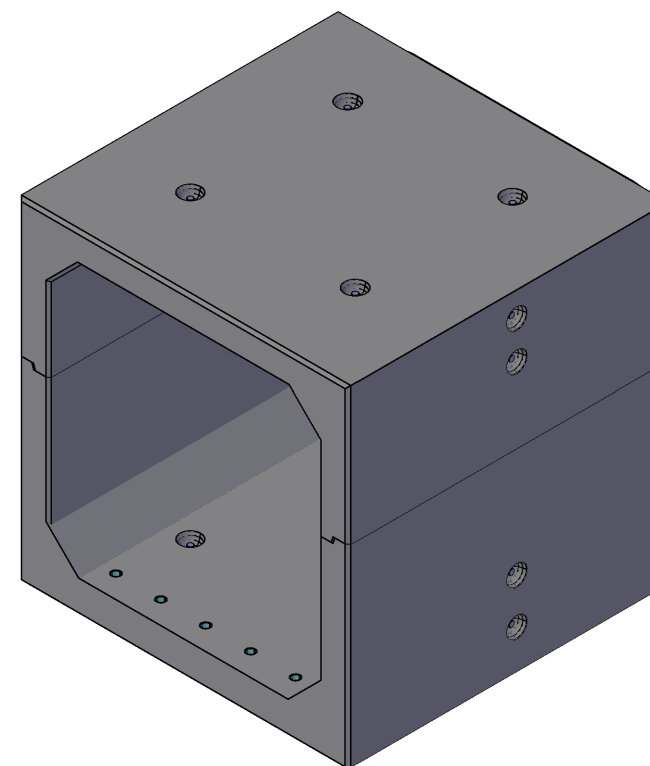
ITEM	QTY	DESCRIPTION	WEIGHT# EA
1	1	UPSTREAM END TOP	9,335
2	1	UPSTREAM END BOTTOM	10,960

DESIGN NOTES:

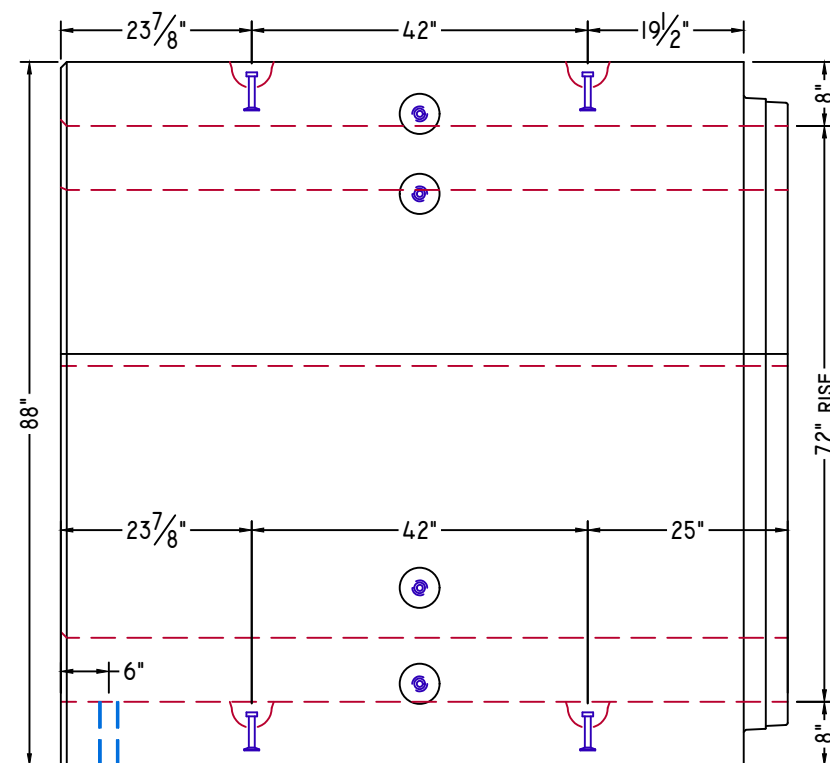
1. **Concrete**
 - 1.1. COMP. STRENGTH MIN. 5,000PSI @ 28 DAYS
 - 1.2. AIR-ENTRAINMENT: 5.5% MIN - 7.5% MAX
2. **Structural Reinforcement:**
 - 2.1. BAR PER ASTM A615, GRADE 60
 - 2.2. WWF PER ASTM A1064, GRADE 75
 - 2.3. SUPPLEMENTAL REINFORCING AS SHOWN (WHEN REQUIRED.)
 - 2.4. DESIGNED FOR 125% HL-93 WHEEL LOAD RATING
 - 2.5. 2" CLR EXT., 1 1/2" CLR INT. UNLESS NOTED OTHERWISE
3. **Manufacturing / Installation:**
 - 3.1. JOINTS SEALED WITH BUTYL RUBBER SEALANT.
 - 3.2. ALL JOINTS FILLED W/ NON-SHRINK GROUT AFTER INSTALLATION.
4. **Soil / Fill Requirements:**
 - MINIMUM ALLOWABLE FILL: 5.75'
 - MAXIMUM ALLOWABLE FILL: 6.25'



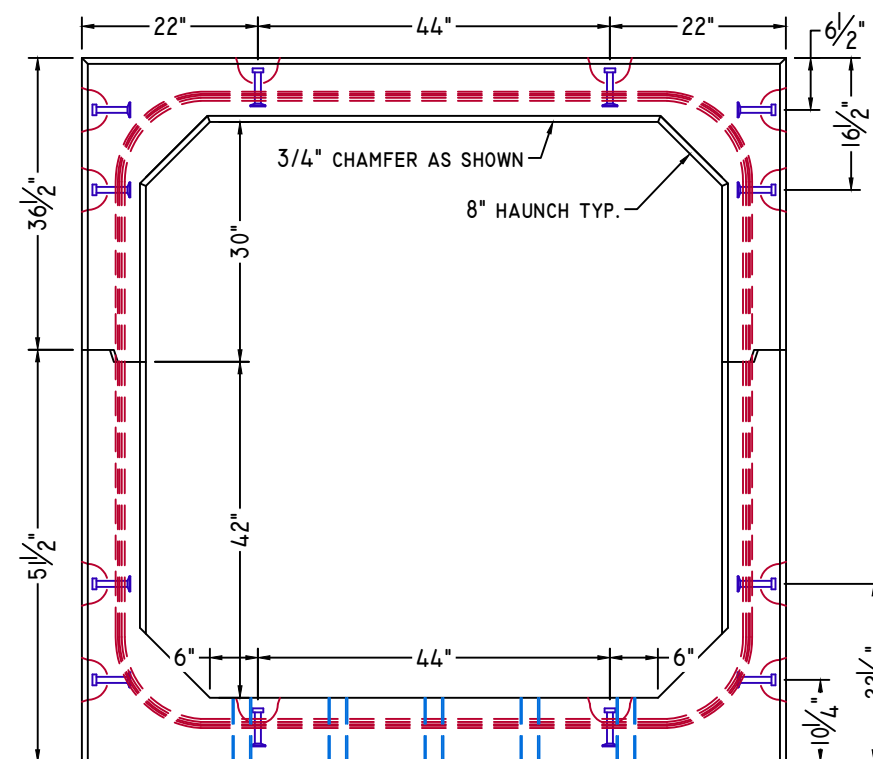
PLAN VIEW



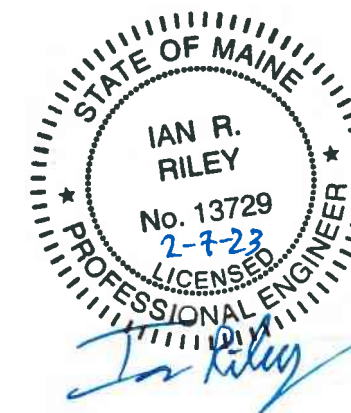
ISOMETRIC VIEW
NTS



ELEVATION-A



ELEVATION-B



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

STRUCTURE NAME:	CULVERT 5: 6' x 6' x 93' (STA. 140+76)
JOB NAME:	US ROUTE I (WIN 20421.10)
LOCATION:	VAN BUREN, ME
CONTRACTOR:	ME DOT

DRAWN BY:	DATE:
SSM	02/03/2023
REV.#:	DATE:
0.00	02/03/2023

C5.1

MID SECTION

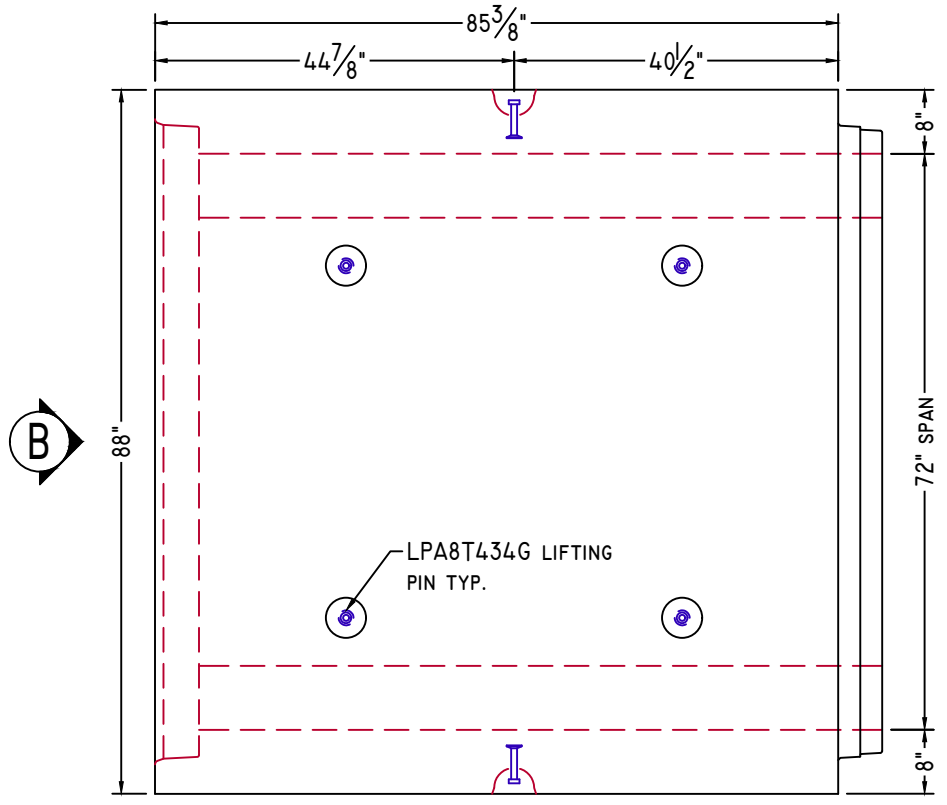


American Concrete Industries
 1717 STILLWATER AVE. VEAZIE, ME. 04401
 TEL: 207-947-8334
 FAX: 207-947-3580
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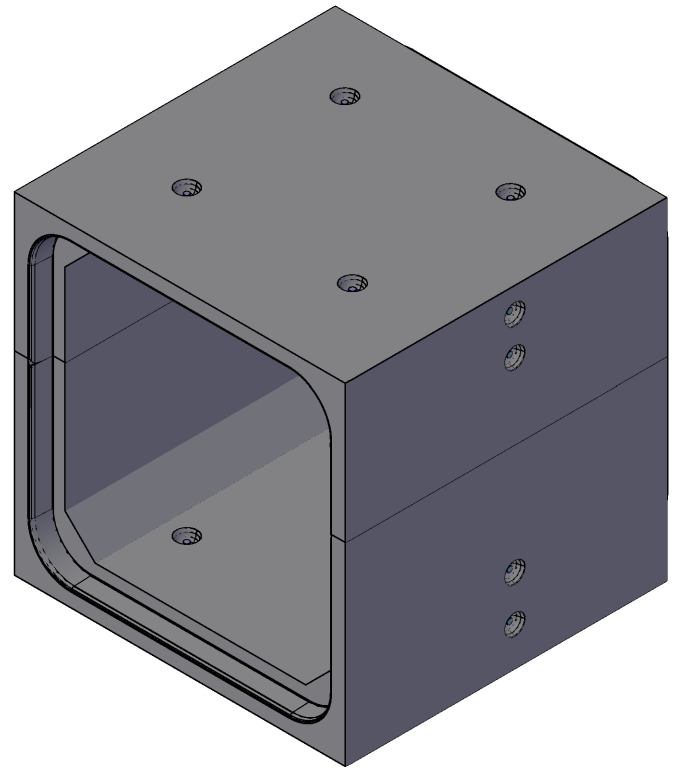
BILL OF MATERIALS

ITEM	QTY	DESCRIPTION	WEIGHT# EA
3	II	MID SECTION TOP	9,100
4	II	MID SECTION BOTTOM	10,695

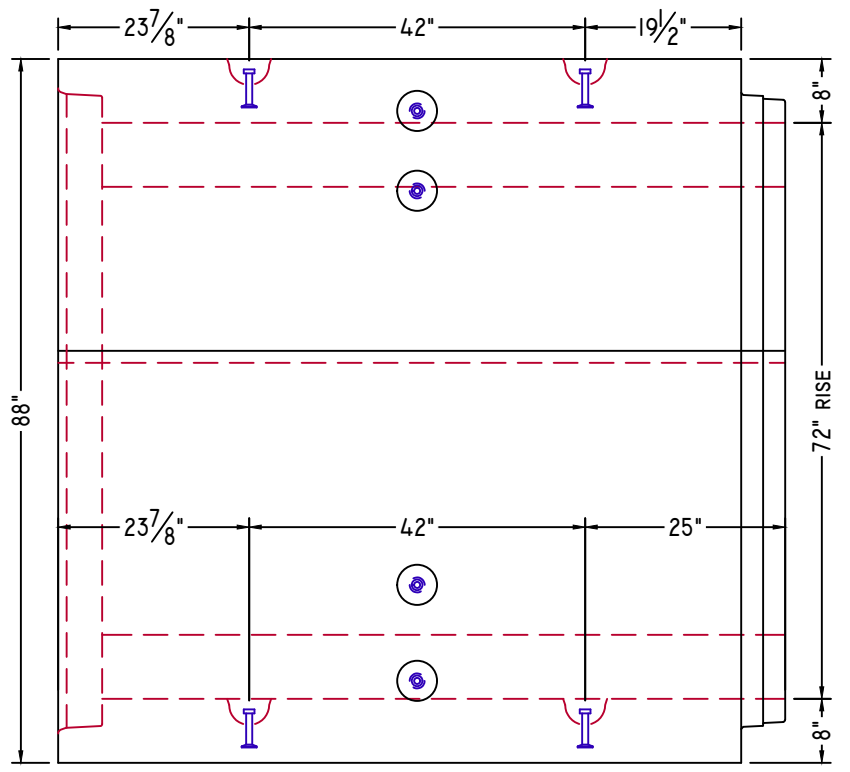
- DESIGN NOTES:**
- Concrete**
 - 1.1. COMP. STRENGTH MIN. 5,000PSI @ 28 DAYS
 - 1.2. AIR-ENTRAINMENT: 5.5% MIN - 7.5% MAX
 - Structural Reinforcement:**
 - 2.1. BAR PER ASTM A615, GRADE 60
 - 2.2. WWF PER ASTM A1064, GRADE 75
 - 2.3. SUPPLEMENTAL REINFORCING AS SHOWN (WHEN REQUIRED.)
 - 2.4. DESIGNED FOR 125% HL-93 WHEEL LOAD RATING
 - 2.5. 2" CLR EXT., 1 1/2" CLR INT. UNLESS NOTED OTHERWISE
 - Manufacturing / Installation:**
 - 3.1. JOINTS SEALED WITH BUTYL RUBBER SEALANT.
 - 3.2. ALL JOINTS FILLED W/ NON-SHRINK GROUT AFTER INSTALLATION.
 - Soil / Fill Requirements:**
 - MINIMUM ALLOWABLE FILL: 5.75'
 - MAXIMUM ALLOWABLE FILL: 6.25'



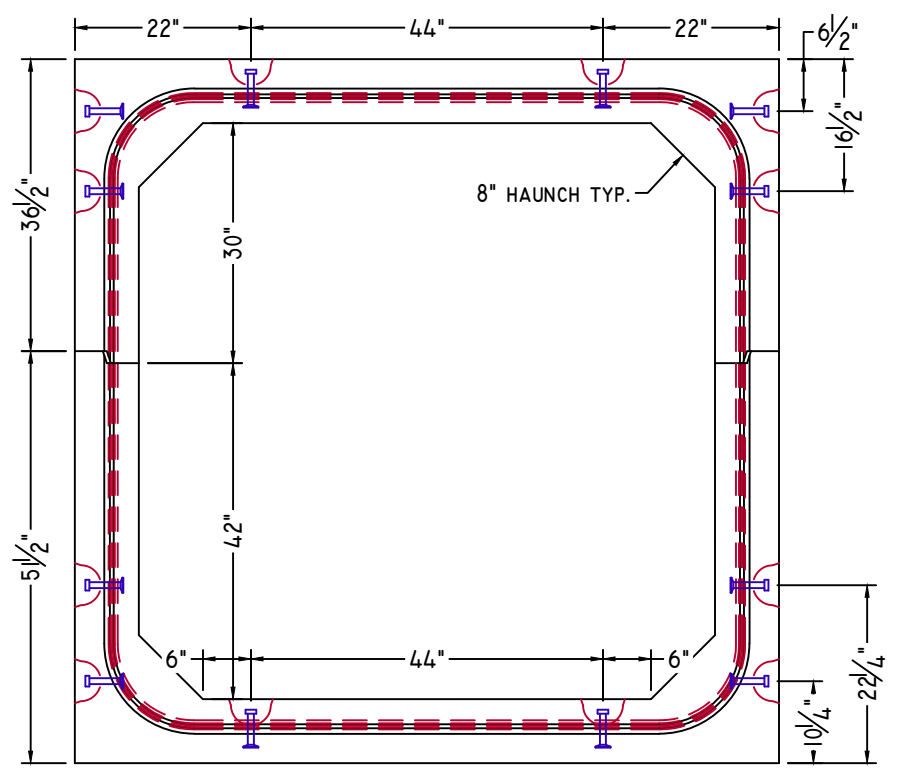
PLAN VIEW



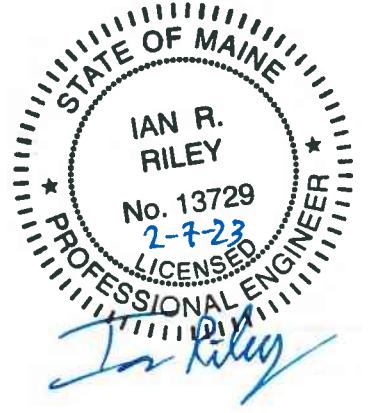
ISOMETRIC VIEW
NTS



ELEVATION-A



ELEVATION-B



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

STRUCTURE NAME: CULVERT 5: 6' x 6' x 93' (STA. 140+76)
JOB NAME: US ROUTE I (WIN 20421.10)
LOCATION: VAN BUREN, ME
CONTRACTOR: ME DOT

DRAWN BY: SSM	DATE: 02/03/2023
REV.#: 0.00	DATE: 02/03/2023

C5.2

DOWNSTREAM END



American Concrete Industries

1717 STILLWATER AVE. VEAZIE, ME. 04401

TEL: 207-947-8334

FAX: 207-947-3580

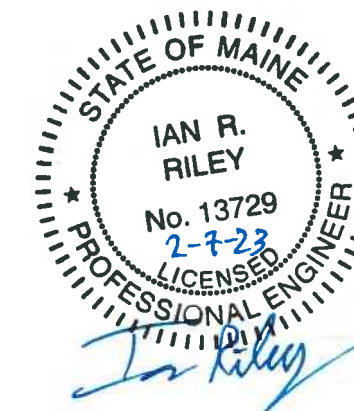
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BILL OF MATERIALS

ITEM	QTY	DESCRIPTION	WEIGHT# EA
5	1	DOWNSTREAM END TOP	8,870
6	1	DOWNSTREAM END BOTTOM	10,420

DESIGN NOTES:

- Concrete**
 - 1.1. COMP. STRENGTH MIN. 5,000PSI @ 28 DAYS
 - 1.2. AIR-ENTRAINMENT: 5.5% MIN - 7.5% 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 (WHEN REQUIRED.)
 - 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. JOINTS SEALED WITH BUTYL RUBBER SEALANT.
 - 3.2. ALL JOINTS FILLED W/ NON-SHRINK GROUT AFTER INSTALLATION.
- Soil / Fill Requirements:**
 - MINIMUM ALLOWABLE FILL: 5.75'
 - MAXIMUM ALLOWABLE FILL: 6.25'



NOTE: Some details not shown for clarity.

SCALE: 1/2" = 1'-0" Unless noted otherwise.

STRUCTURE NAME:
CULVERT 5: 6' x 6' x 93' (STA. 140+76)

JOB NAME:
US ROUTE I (WIN 20421.10)

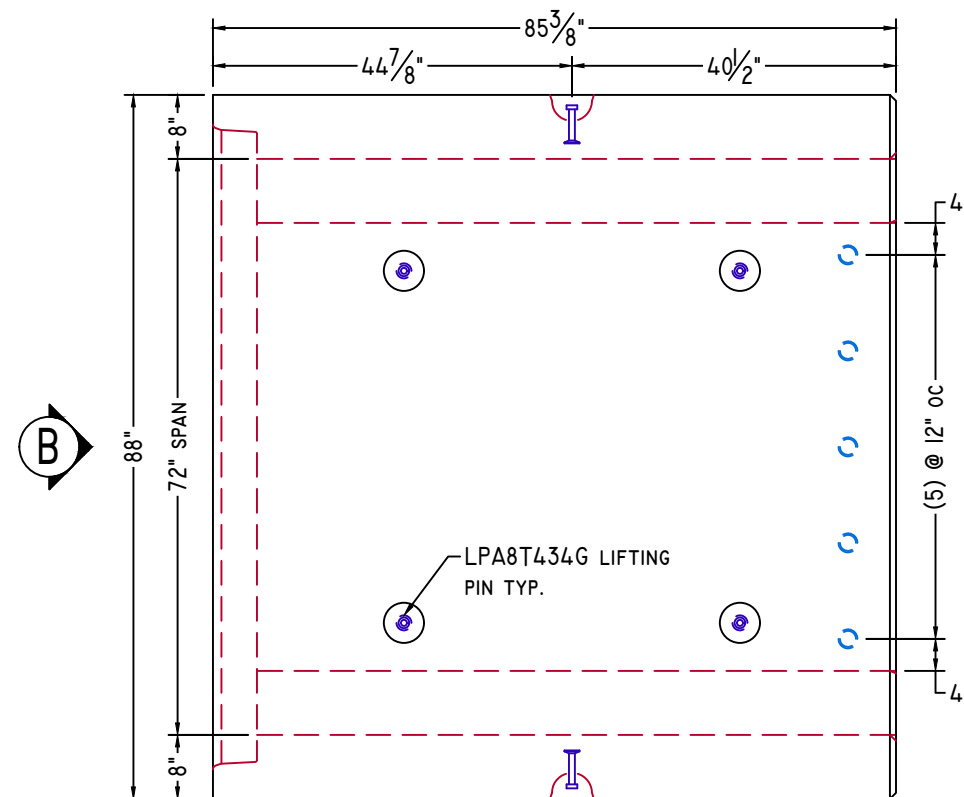
LOCATION:
VAN BUREN, ME

CONTRACTOR:
ME DOT

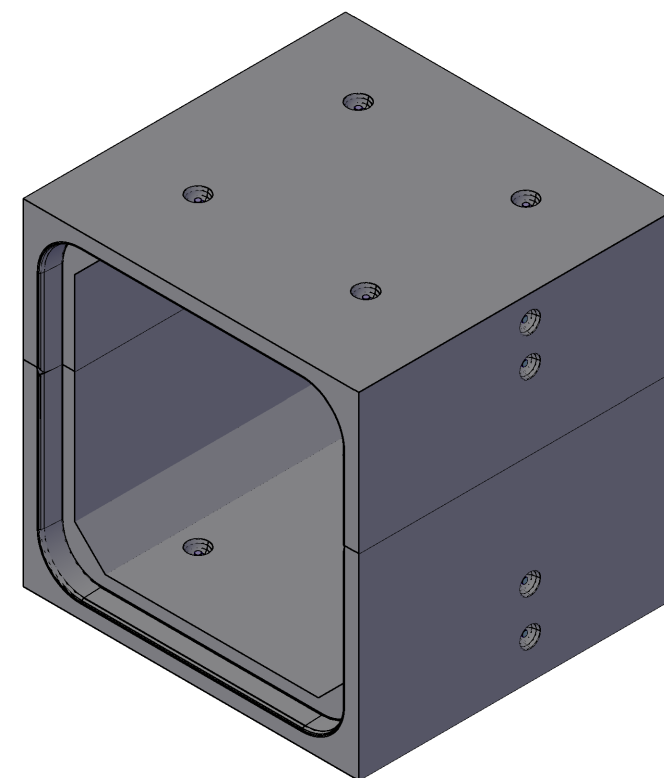
DRAWN BY: SSM
DATE: 02/03/2023

REV.#: 0.00
DATE: 02/03/2023

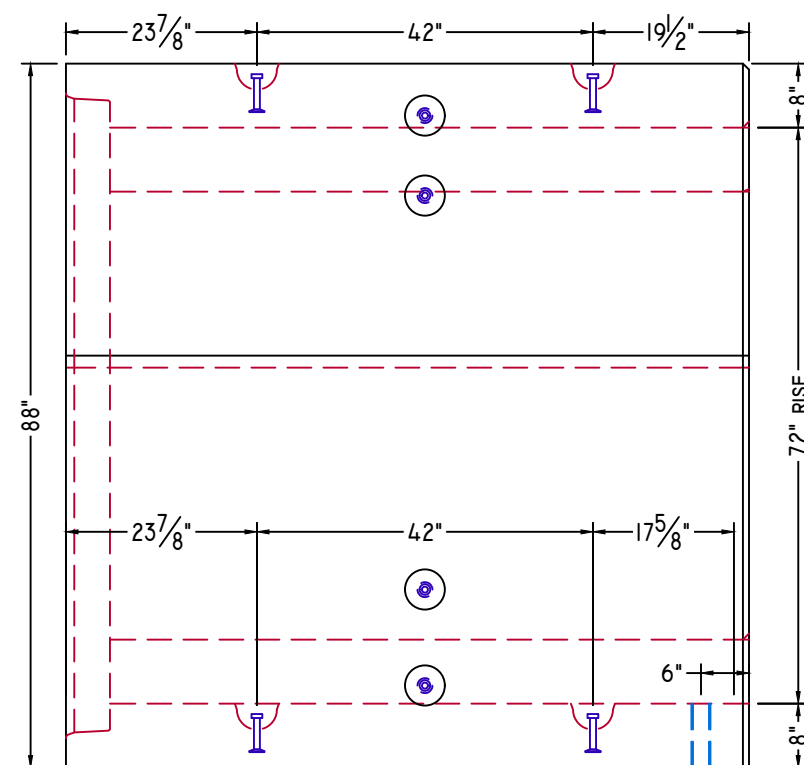
C5.3



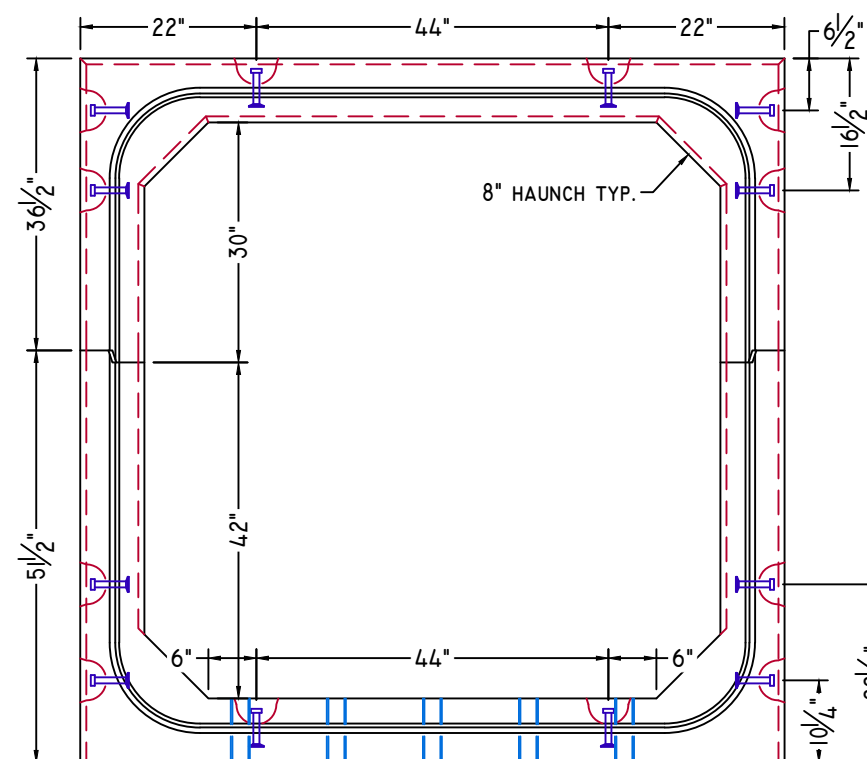
PLAN VIEW



ISOMETRIC VIEW
NTS



ELEVATION-A



ELEVATION-B

STANDARD DETAILS



American Concrete Industries

1717 STILLWATER AVE. VEAZIE, ME. 04401

TEL: 207-947-8334

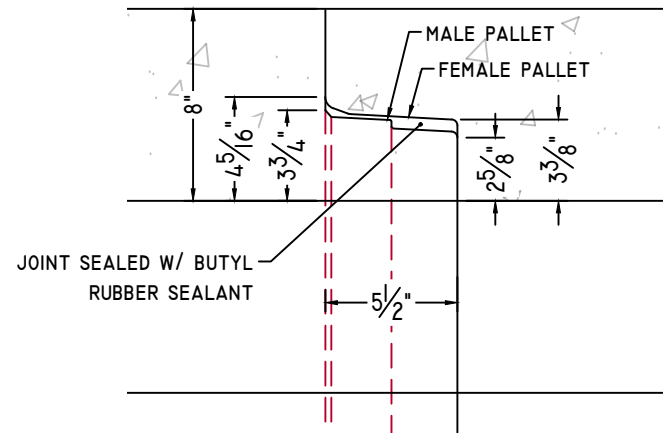
FAX: 207-947-3580

WWW.AMERICANCONCRETE.COM

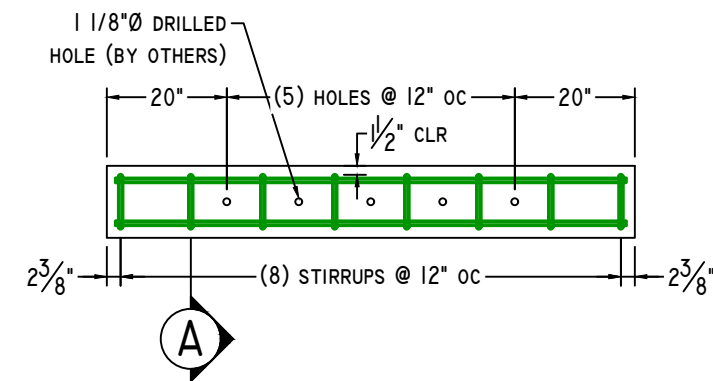
BILL OF MATERIALS

ITEM	QTY	DESCRIPTION	WEIGHT# EA
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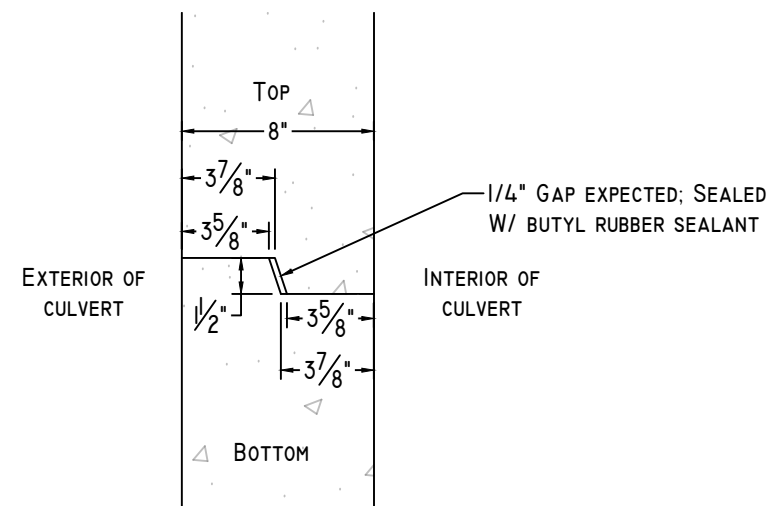


CULVERT JOINT DETAIL

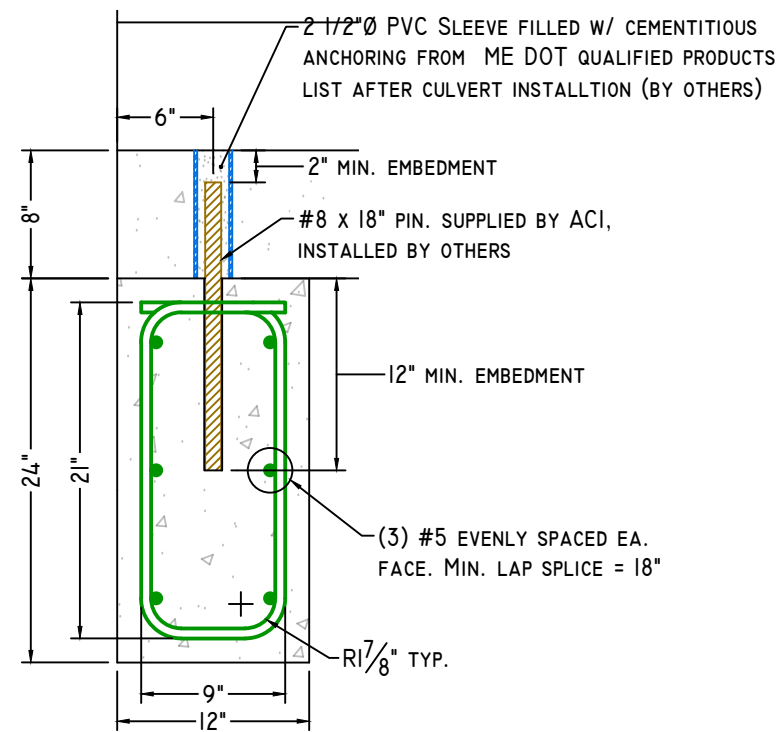


TOEWALL DETAIL

3/8" = 1'-0"

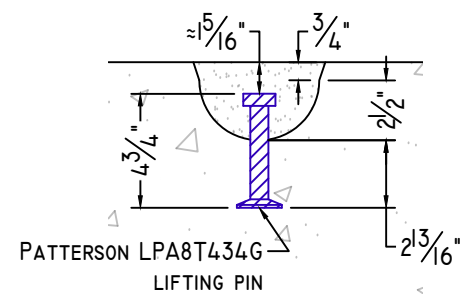


CLAMSHELL JOINT DETAIL

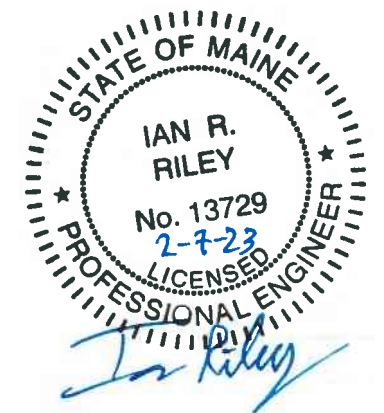


SECTION-A

1" = 1'-0"



8T 4 3/4" LIFTING PIN DETAIL



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

STRUCTURE NAME:		D5.0
CULVERT 5: 6' x 6' x 93' (STA. 140+76)		
JOB NAME:		D5.0
US ROUTE 1 (WIN 20421.10)		
LOCATION:		D5.0
VAN BUREN, ME		
CONTRACTOR:		D5.0
ME DOT		
DRAWN BY:	DATE:	D5.0
SSM	02/03/2023	
REV.#:	DATE:	D5.0
0.00	02/03/2023	

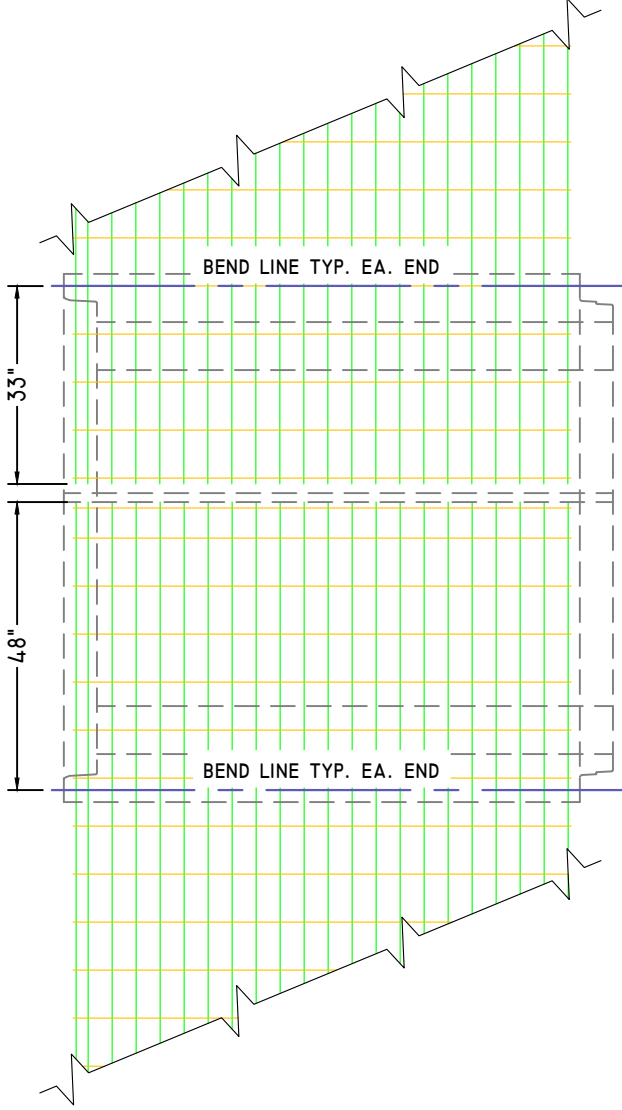
WELDED WIRE DETAILS



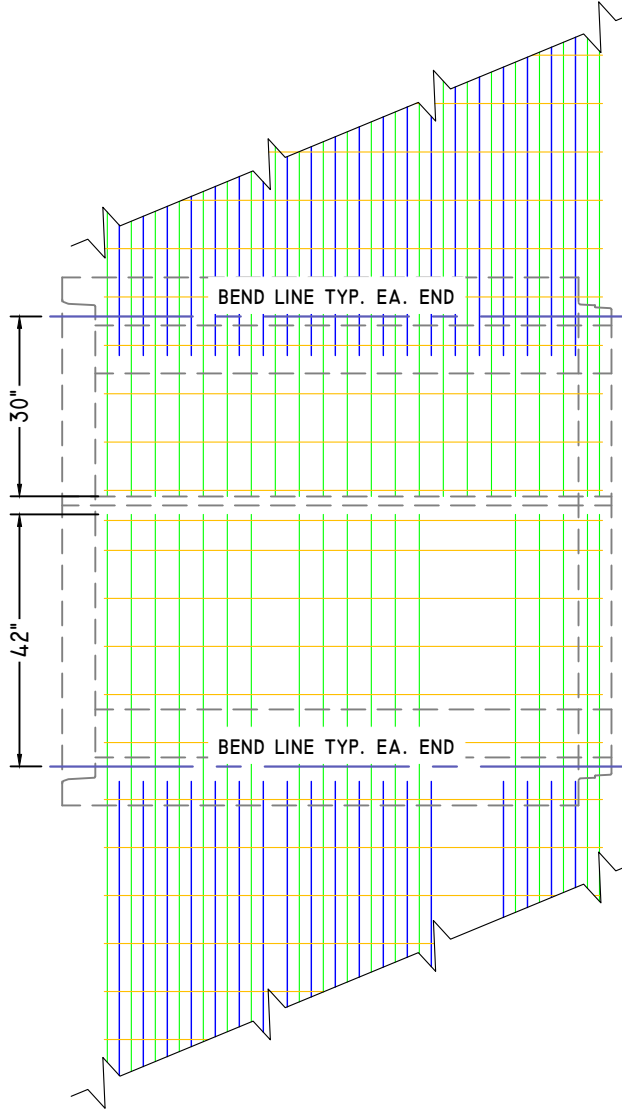
American Concrete Industries
 1717 STILLWATER AVE. VEAZIE, ME. 04401
 TEL: 207-947-8334
 FAX: 207-947-3580
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BILL OF MATERIALS

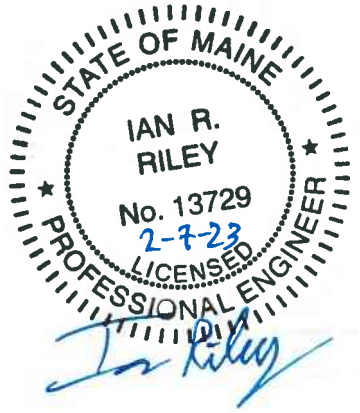
ITEM	QTY	DESCRIPTION	WEIGHT# EA
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ALL SECTIONS, EXTERIOR



ALL SECTIONS, INTERIOR



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

STRUCTURE NAME:	CULVERT 5: 6' x 6' x 93' (STA. 140+76)
JOB NAME:	US ROUTE 1 (WIN 20421.10)
LOCATION:	VAN BUREN, ME
CONTRACTOR:	ME DOT

DRAWN BY:	DATE:
SSM	02/03/2023
REV.#:	DATE:
0.00	02/03/2023

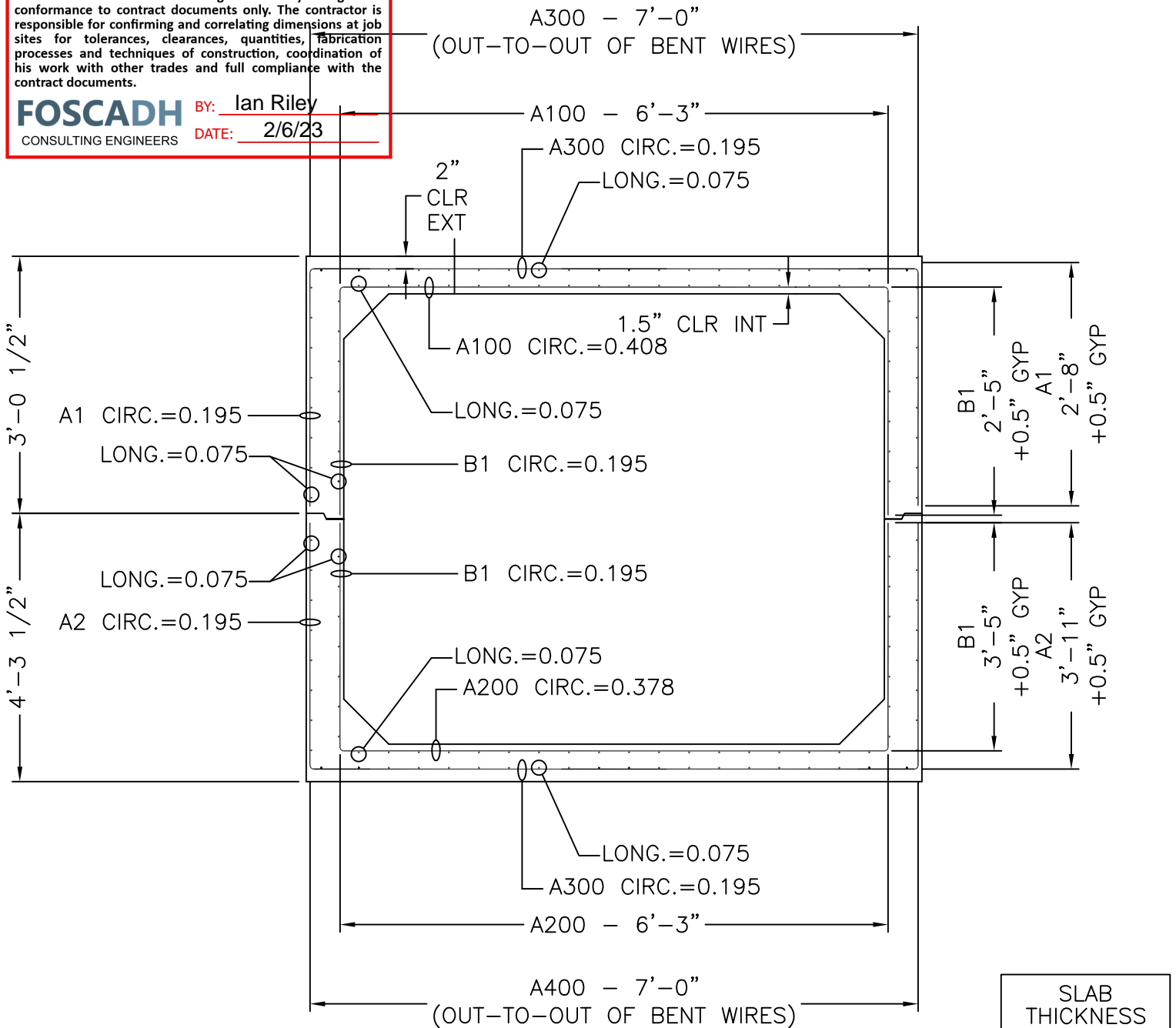
W5.0

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.

FOSCADH BY: Ian Riley
CONSULTING ENGINEERS DATE: 2/6/23



6' x 6' x 7'-1 3/8"

CROSS SECTION WITH AREAS OF STEEL

SLAB THICKNESS	
TOP	8"
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 7'-1 3/8" JOINT = 411.5 lbs

BOX SIZE: 6' X 6' X 7'-1 3/8"	ASTM: HL-93	TABLE: 125%	FILL: -
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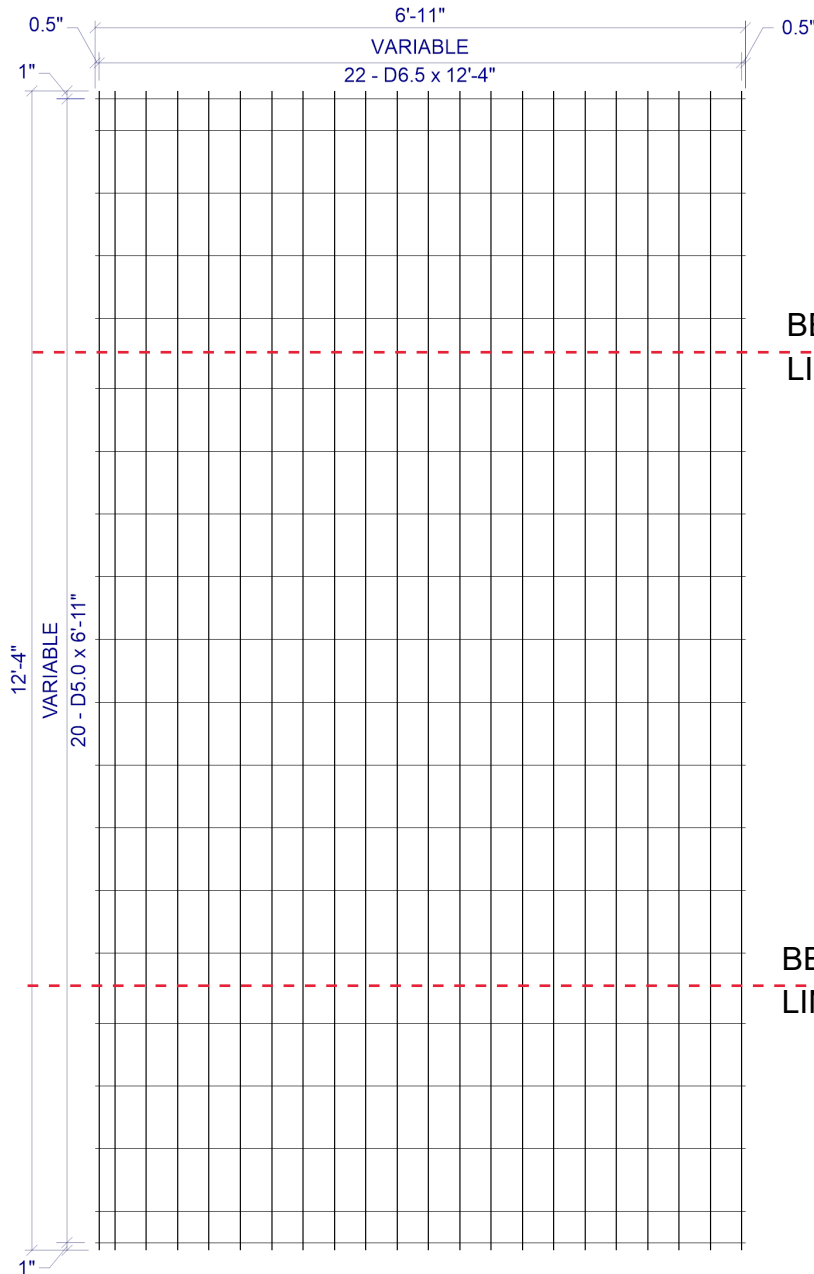
Concrete Reinforcements, Inc.
3830 Presidents Way
Jacksonville, FL 32220
PH. 904-520-7100 FAX. 904-520-7101

CUSTOMER: AMERICAN CONCRETE	DRAWN BY: BWA	REVISION: -	SHEET DESCRIPTION: COVER	
PROJECT: 6' X 6' X 7'-1 3/8" VAN BUREN #5	DATE: 2/3/2023	REVISION DATE: -	FILE NAME: F22-4382	
CHECKED BY: BWA	SCALE: NTS	PROJECT #: F22-4382	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 F22-4382 - Drawings - 6x6 Van Buren #5 - American - 1-23-2023
 LOCATION Veazie, ME
 DATE 02-02-2023 MARK NUMBER A1/A300 (-01)

L.W.SPAC VAR
 C.W.SPAC VAR
 L.W.1 SIZE D6.5
 L.W.2 SIZE N/A
 C.W.SIZE D5.0
 WIDTH 6'-11"
 LENGTH 12'-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	22	N/A
SIZE	D6.5	N/A	D5.0
LENGTH	12'-4"	-	6'-11"
W.T./SHEET			
SHEET W.T.	83.48#		
QUANTITY	13		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

BEND LINE

BEND LINE

VAR x VAR D6.5 / D5.0 (GRADE 75) 82(+0.5, +0.5) x 12'-4" (1, 1)

VAR = 0.5" OH, 1@2", 20@4", 0.5" OH
 VAR = 1" OH, 1@4", 3@8", 1@9", 9@8", 1@9", 3@8", 1@4", 1" OH

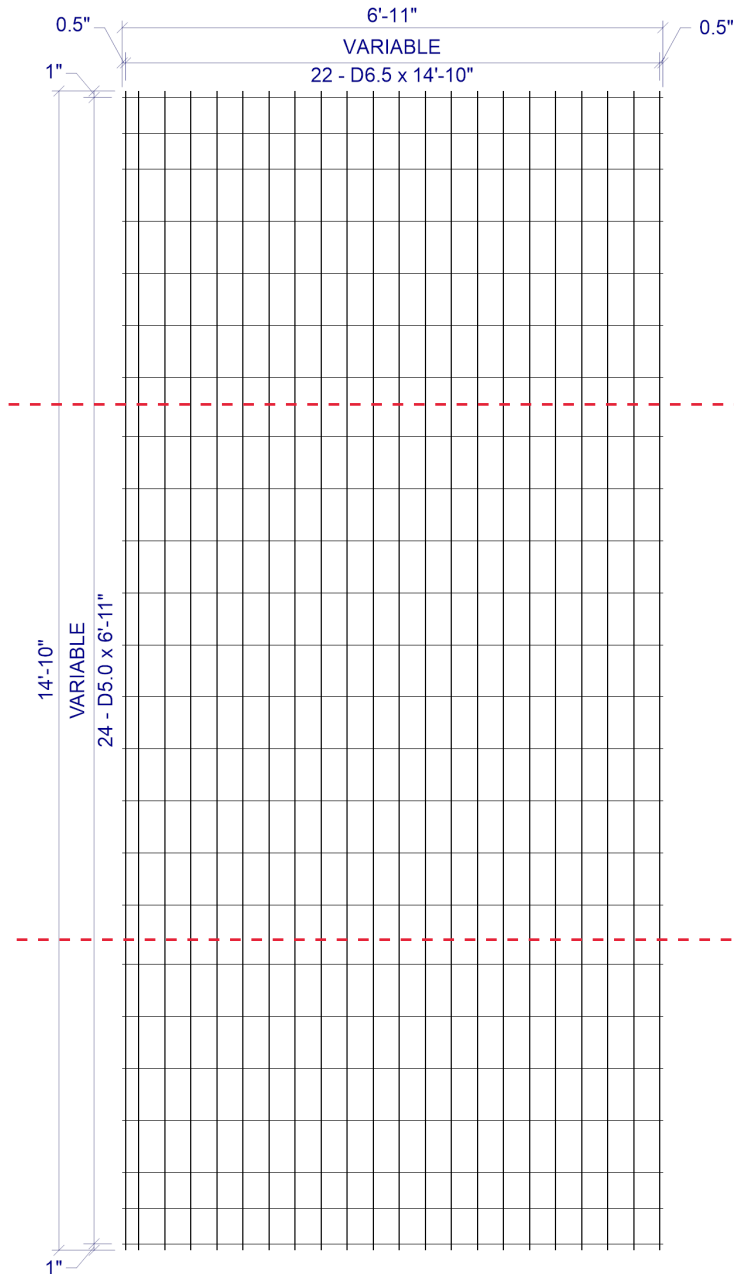
SPECIAL REMARKS:
 BEND DIMS: SLAB=84", WALLS=32" (+0.5" GYP)

APPROVED _____

SHEET DESIGN



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



CUSTOMER American Concrete
 PROJECT F22-4382 - Drawings - 6x6 Van Buren #5 - American - 1-23-2023
 LOCATION Veazie, ME
 DATE 02-02-2023 MARK NUMBER A2/A400 (-02)

L.W.SPACE VAR
 C.W.SPACE VAR
 L.W.1 SIZE D6.5
 L.W.2 SIZE N/A
 C.W.SIZE D5.0
 WIDTH 6'-11"
 LENGTH 14'-10"
 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	N/A
SIZE	D6.5	N/A	D5.0
LENGTH	14'-10"	-	6'-11"
W.T./SHEET			
SHEET W.T.	100.34#		
QUANTITY	13		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

SPECIAL REMARKS:
 BEND DIMS: SLAB=84", WALLS=53" (+0.5"GYP)

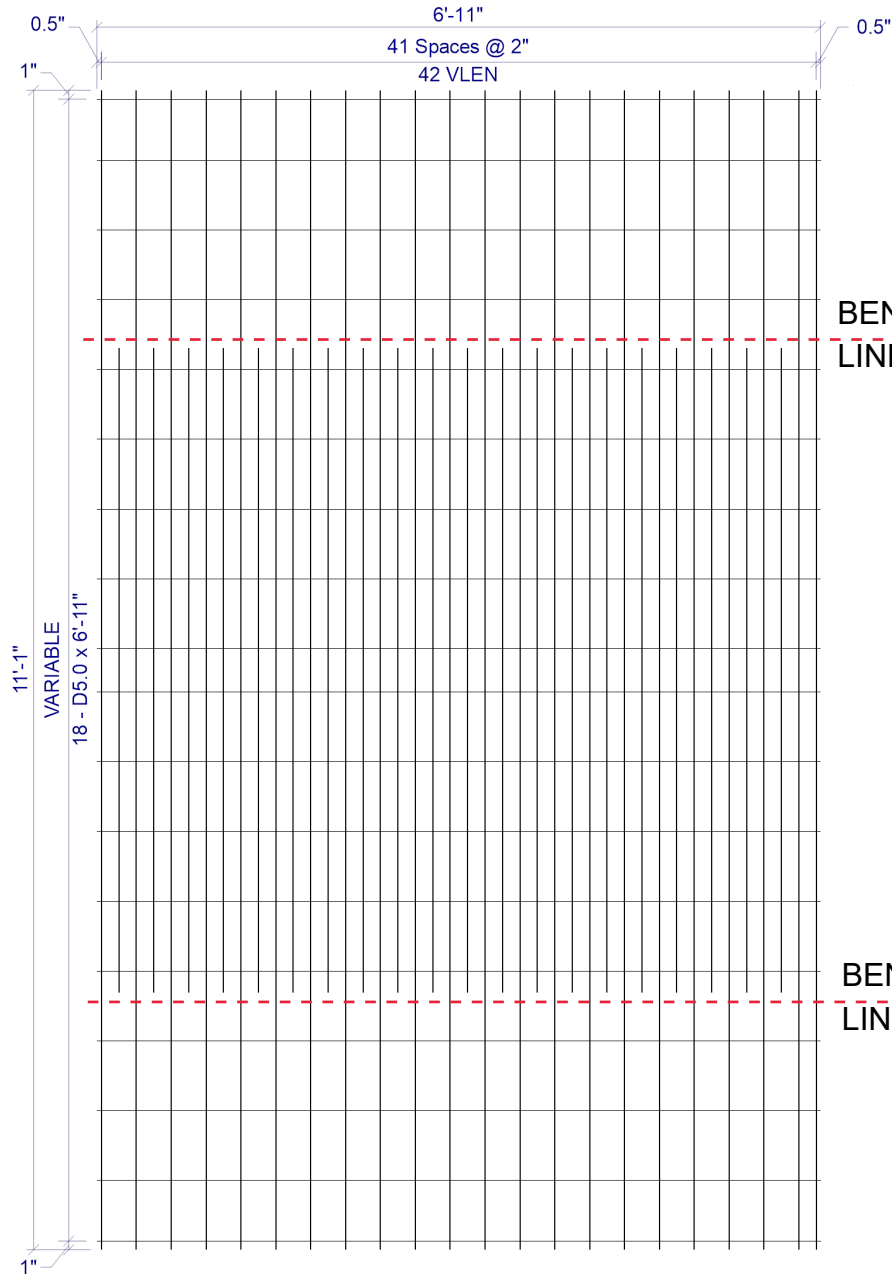
VAR x VAR D6.5 / D5.0 (GRADE 75) 82(+0.5, +0.5) x 14'-10" (1, 1)
 VAR = 0.5" OH, 1@2", 20@4", 0.5" OH
 VAR = 1" OH, 2@5.5", 4@8", 1@9", 9@8", 1@9", 4@8", 2@5.5", 1" OH

APPROVED _____

SHEET DESIGN



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



2 x VAR D6.5 / D7.1 / D5.0 (GRADE 75) 82"(+0.5", +0.5") x VLEN(1", 1")
 VLEN = ALTERNATING LENGTH 6'-2" & 11'-1" WITH 11'-1" @ LHS & RHS
 VAR = 1" OH, 1@7", 7@8", 1@5", 7@8", 1@7", 1" OH

CUSTOMER American Concrete
 PROJECT F22-4382 - Drawings - 6x6 Van Buren #5 - American - 1-23-2023
 LOCATION Veazie, ME
 DATE 02-02-2023 MARK NUMBER B1/A100 (-03)

L.W.SPACE 2"
 C.W.SPACE VAR
 L.W.1 SIZE D6.5
 L.W.2 SIZE D7.1
 C.W.SIZE D5.0
 WIDTH 6'-11"
 LENGTH 11'-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	22	20
SIZE	D6.5	D7.1	D5.0
LENGTH	11'-1"	6'-2"	6'-11"
W.T./SHEET			
SHEET W.T.	106.60#		
QUANTITY	13		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

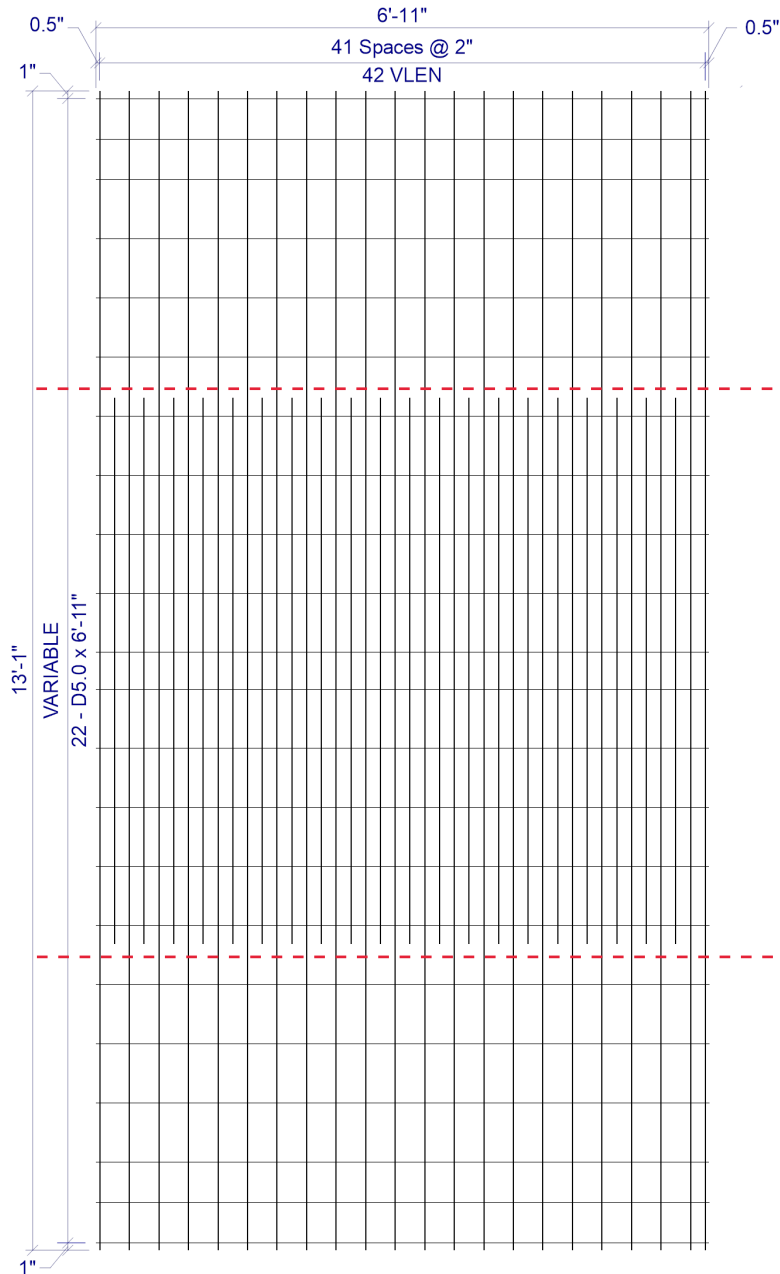
SPECIAL REMARKS:
 BEND DIMS: SLAB=75" WALLS=23" (+0.5" GYP)

APPROVED _____

SHEET DESIGN



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



BEND LINE

BEND LINE

CUSTOMER American Concrete
 PROJECT F22-4382 - Drawings - 6x6 Van Buren #5 - American - 1-23-2023
 LOCATION Veazie, ME
 DATE 02-02-2023 MARK NUMBER B1/A200 (-04)

L.W.SPACE 2"
 C.W.SPACE VAR
 L.W.1 SIZE D6.5
 L.W.2 SIZE D6.1
 C.W.SIZE D5.0
 WIDTH 6'-11"
 LENGTH 13'-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	22	20
SIZE	D6.5	D6.1	D5.0
LENGTH	13'-1"	6'-2"	6'-11"
W.T./SHEET			
SHEET W.T.	121.00#		
QUANTITY	13		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

SPECIAL REMARKS:
 BEND DIMS: SLAB=75", WALLS=41" (+0.5"GYP)

2 x VAR D6.5 / D6.1 / D5.0 (GRADE 75) 82"(+0.5", +0.5") x VLEN(1", 1")
 VLEN = ALTERNATING LENGTH 6'-2" & 13'-1" WITH 13'-1" @ LHS & RHS
 VAR = 1" OH, 2@5.5", 8@8", 1@5", 8@8", 2@5.5", 1" OH

APPROVED _____

OVERALL



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	9,855
2	1	UPSTREAM END BOTTOM	11,440
3	10	MID SECTION TOP	9,590
4	10	MID SECTION BOTTOM	11,150
5	1	DOWNSTREAM END TOP	9,350
6	1	DOWNSTREAM END BOTTOM	10,860
7	2	1' x 2' x 8'-4" TOEWALL	2,495
8	12	#8 x 18" TOEWALL PIN (SHIPPED LOOSE)	

DESIGN NOTES:

- Concrete**
 - 1.1. COMP. STRENGTH MIN. 5,000PSI @ 28 DAYS
 - 1.2. AIR-ENTRAINMENT: 5.5% MIN - 7.5% 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 (WHEN REQUIRED.)
 - 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. JOINTS SEALED WITH BUTYL RUBBER SEALANT.
 - 3.2. ALL JOINTS FILLED W/ NON-SHRINK GROUT AFTER INSTALLATION.
- Soil / Fill Requirements:**
 - MINIMUM ALLOWABLE FILL: 4.50'
 - MAXIMUM ALLOWABLE FILL: 5.00'

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

STRUCTURE NAME:
 CULVERT 4: 7' x 6' x 84' (STA. 135+33)

JOB NAME:
 US ROUTE 1 (WIN 20421.10)

LOCATION:
 VAN BUREN, ME

CONTRACTOR:
 ME DOT

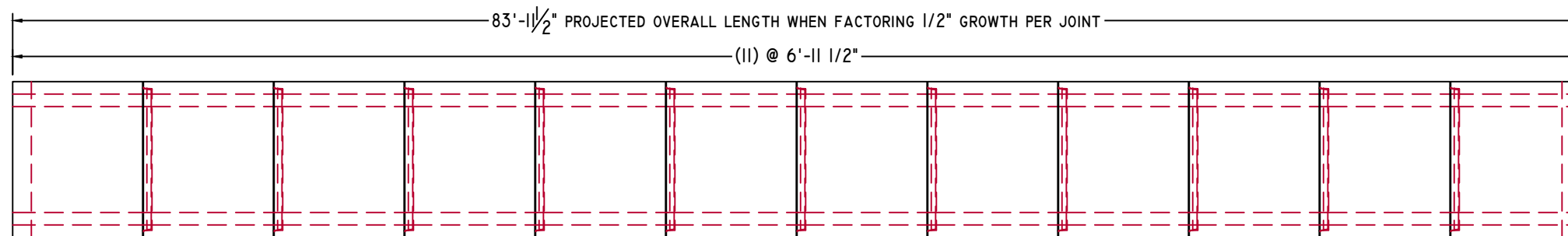
DRAWN BY:
 SSM

DATE:
 02/03/2023

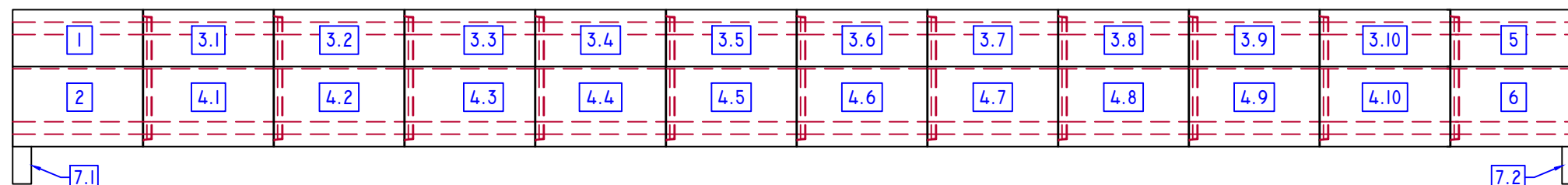
REV.#:
 0.00

DATE:
 02/03/2023

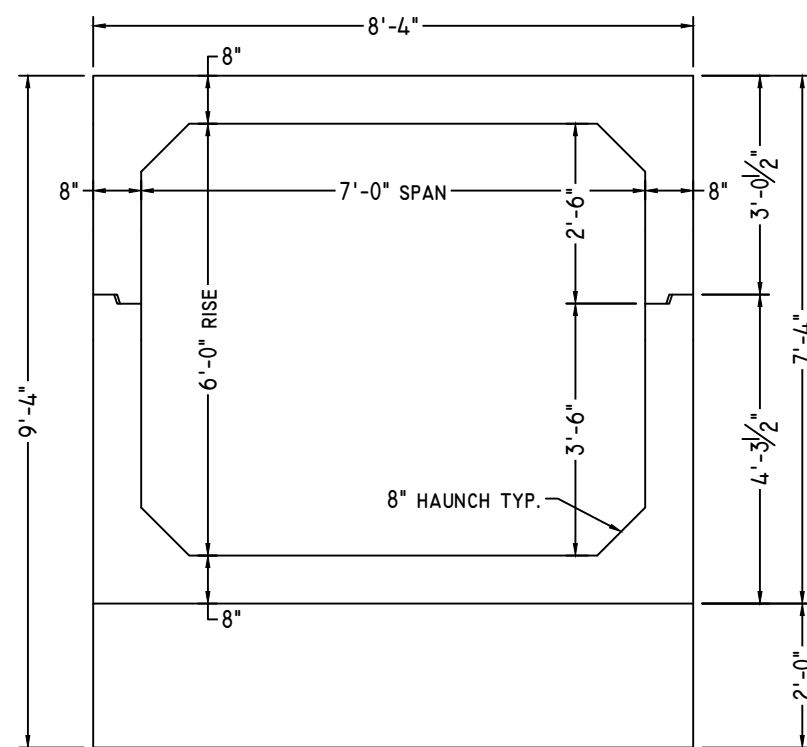
C4.0



PLAN VIEW

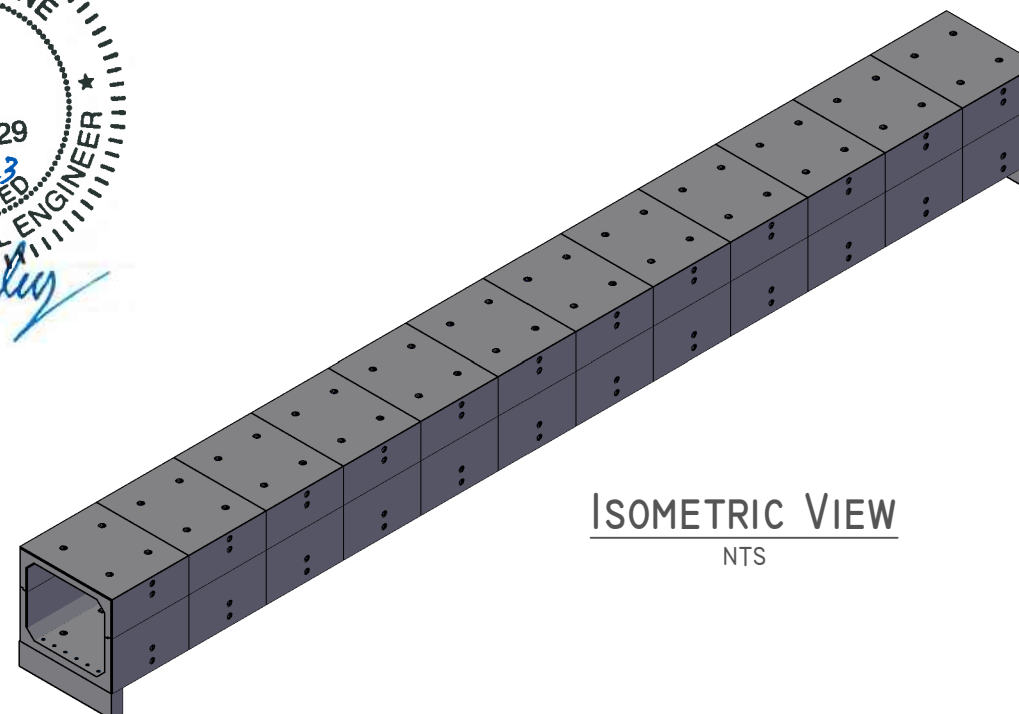
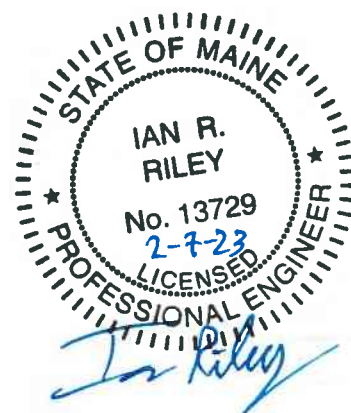


ELEVATION-A



ELEVATION-B

3/8" = 1'-0"



ISOMETRIC VIEW

NTS

UPSTREAM END

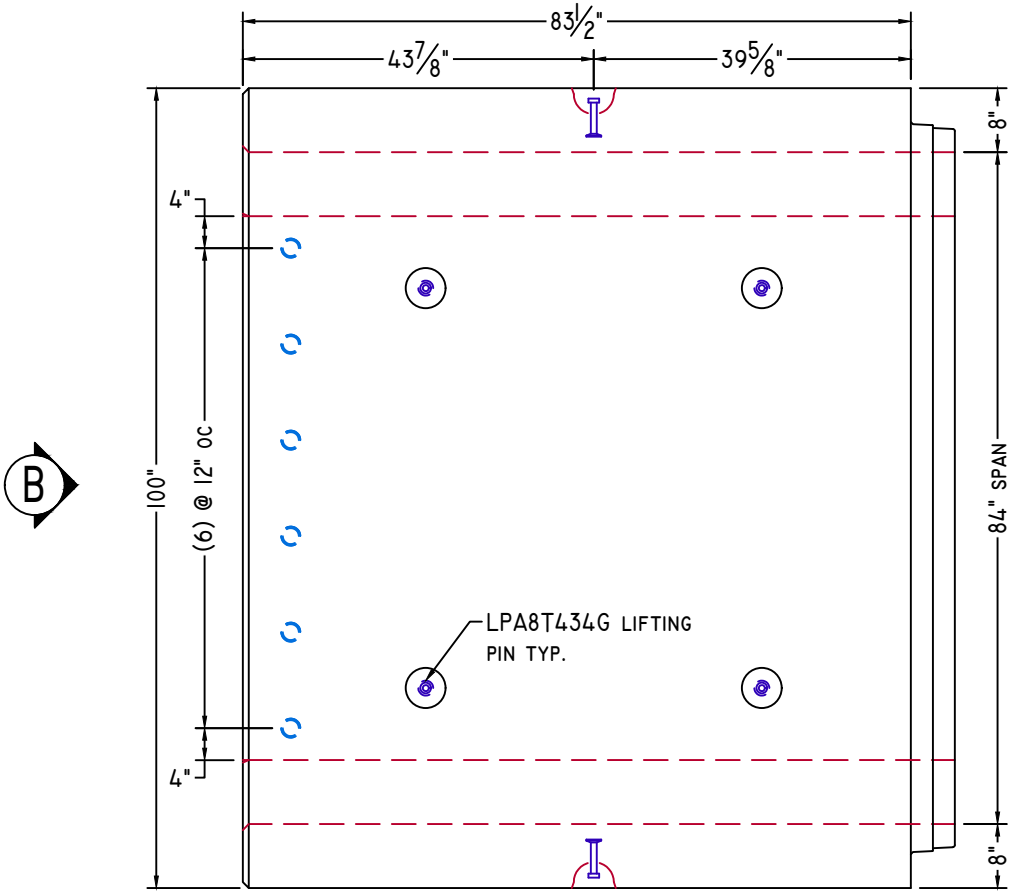


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 FAX: 207-947-3580
 WWW.AMERICANCONCRETE.COM

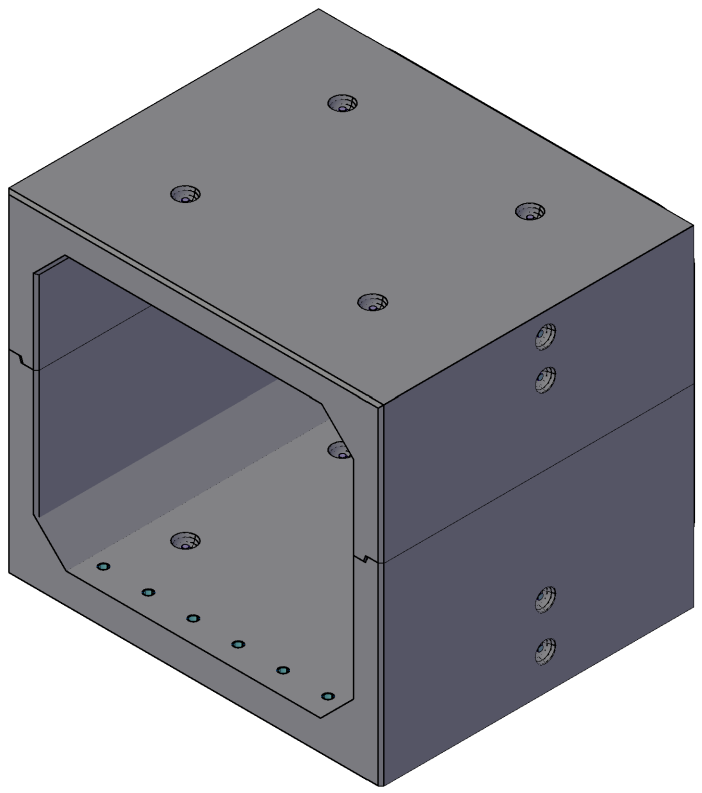
BILL OF MATERIALS

ITEM	QTY	DESCRIPTION	WEIGHT# EA
1	1	UPSTREAM END TOP	9,855
2	1	UPSTREAM END BOTTOM	11,440

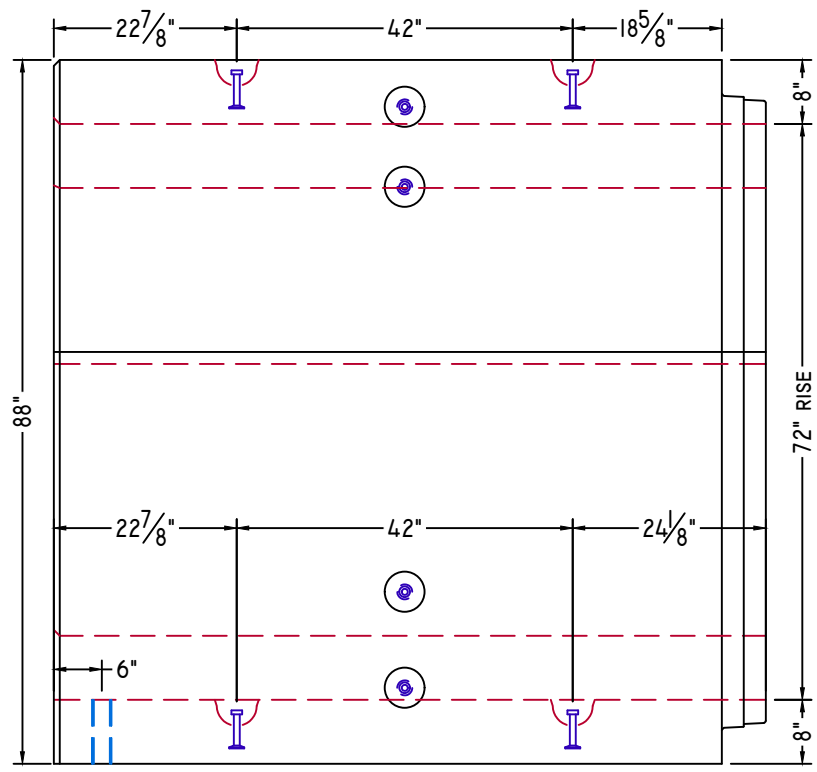
- DESIGN NOTES:**
- Concrete**
 - 1.1. COMP. STRENGTH MIN. 5,000PSI @ 28 DAYS
 - 1.2. AIR-ENTRAINMENT: 5.5% MIN - 7.5% MAX
 - Structural Reinforcement:**
 - 2.1. BAR PER ASTM A615, GRADE 60
 - 2.2. WWF PER ASTM A1064, GRADE 75
 - 2.3. SUPPLEMENTAL REINFORCING AS SHOWN (WHEN REQUIRED.)
 - 2.4. DESIGNED FOR 125% HL-93 WHEEL LOAD RATING
 - 2.5. 2" CLR EXT., 1 1/2" CLR INT. UNLESS NOTED OTHERWISE
 - Manufacturing / Installation:**
 - 3.1. JOINTS SEALED WITH BUTYL RUBBER SEALANT.
 - 3.2. ALL JOINTS FILLED W/ NON-SHRINK GROUT AFTER INSTALLATION.
 - Soil / Fill Requirements:**
 - MINIMUM ALLOWABLE FILL: 4.50'
 - MAXIMUM ALLOWABLE FILL: 5.00'



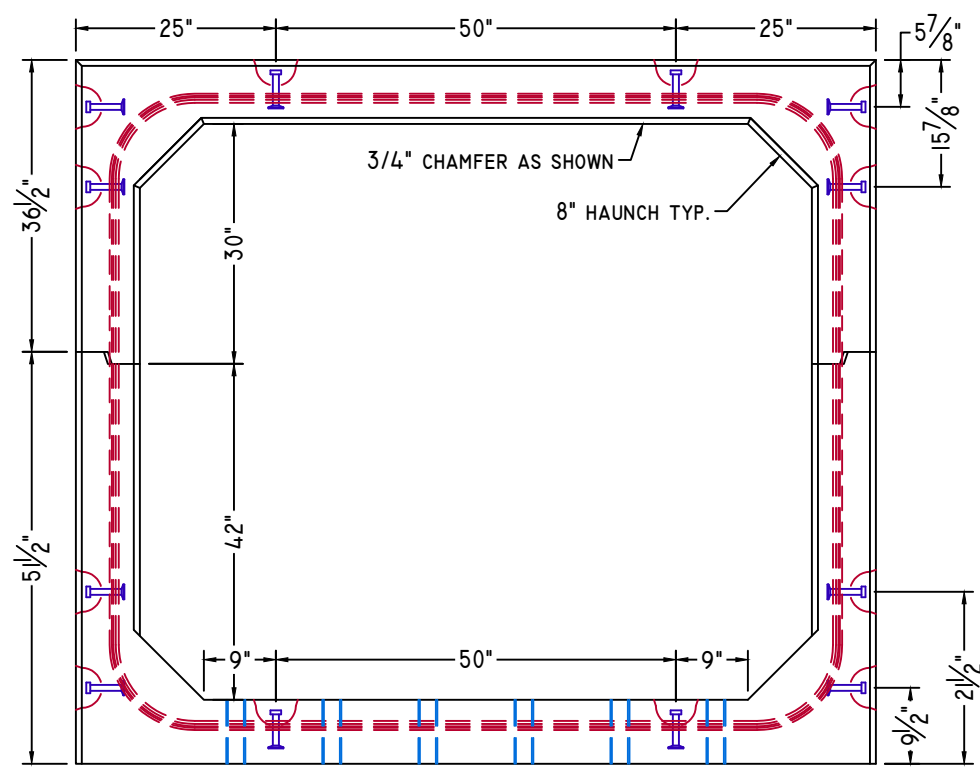
PLAN VIEW



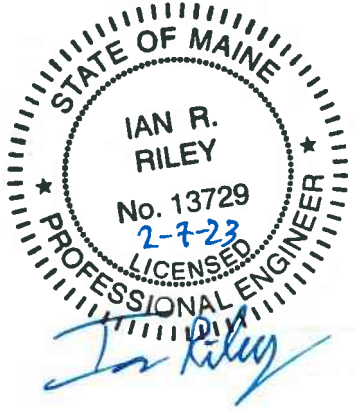
ISOMETRIC VIEW
NTS



ELEVATION-A



ELEVATION-B



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

STRUCTURE NAME:
 CULVERT 4: 7' x 6' x 84' (STA. 135+33)

JOB NAME:
 US ROUTE I (WIN 20421.10)

LOCATION:
 VAN BUREN, ME

CONTRACTOR:
 ME DOT

DRAWN BY: SSM	DATE: 02/03/2023
REV.#: 0.00	DATE: 02/03/2023

C4.1

MID SECTION

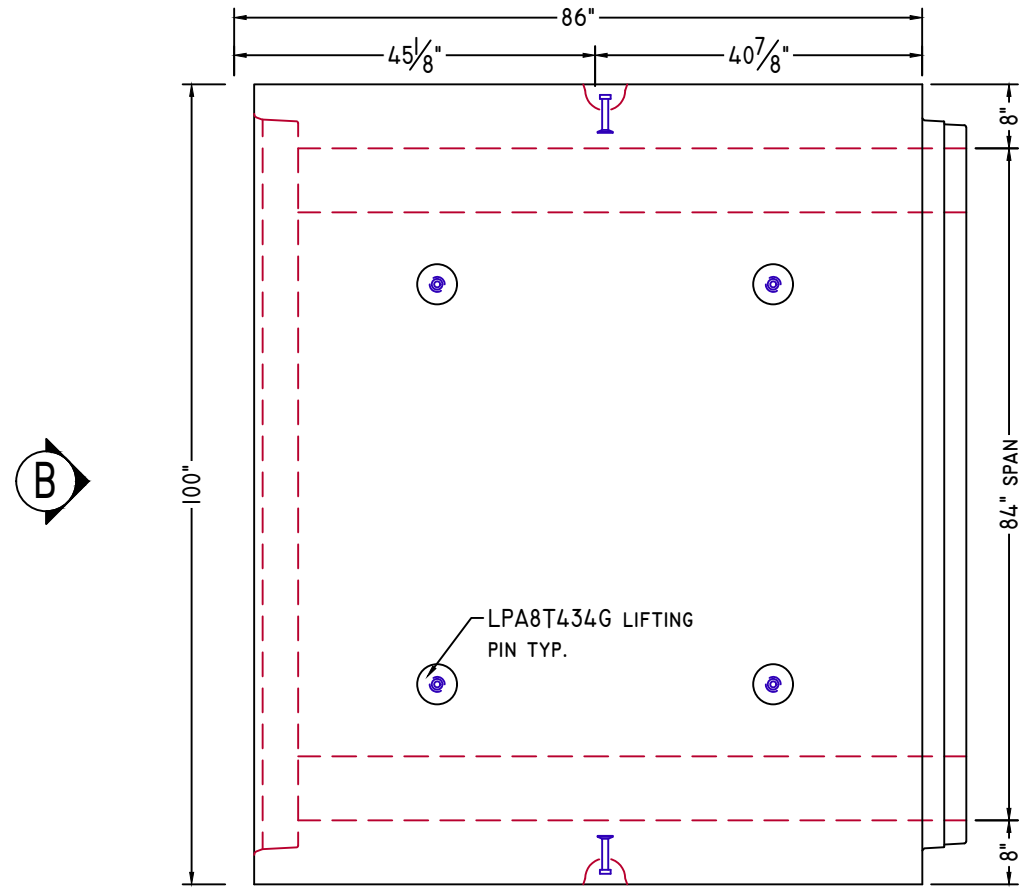


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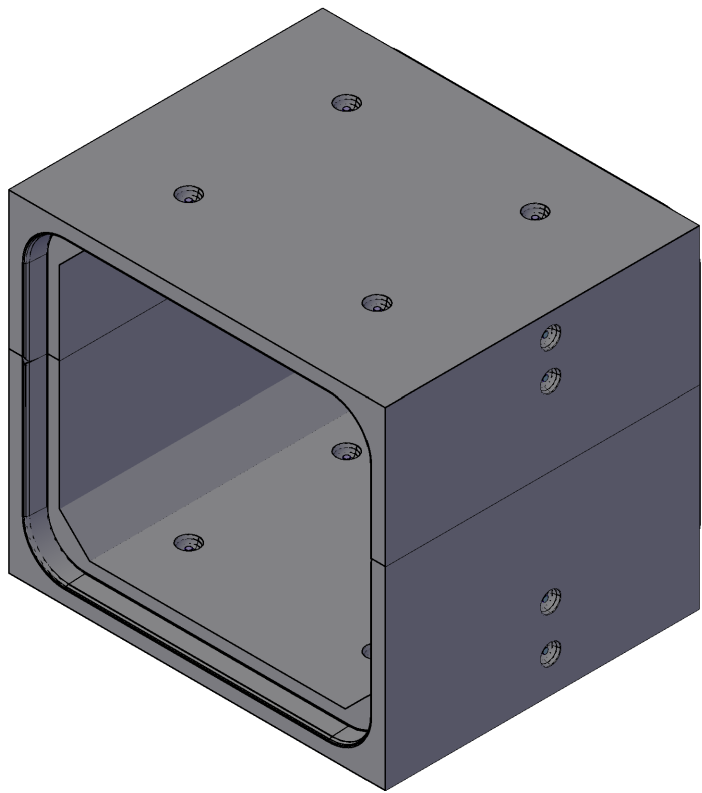
BILL OF MATERIALS

ITEM	QTY	DESCRIPTION	WEIGHT# EA
3	10	MID SECTION TOP	9,590
4	10	MID SECTION BOTTOM	11,150

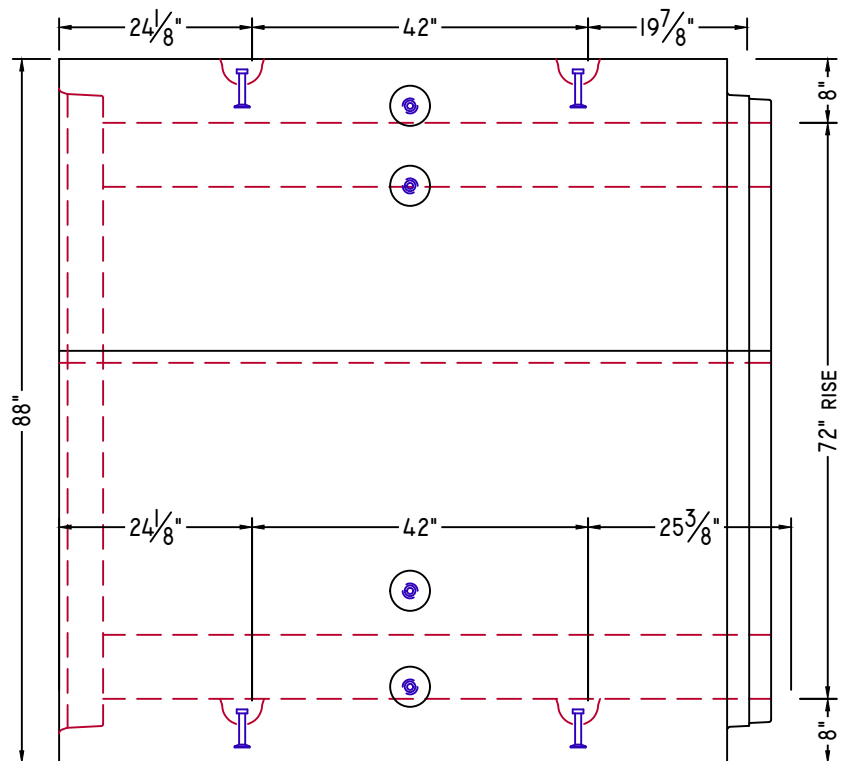
- DESIGN NOTES:
- Concrete**
 - 1.1. COMP. STRENGTH MIN. 5,000PSI @ 28 DAYS
 - 1.2. AIR-ENTRAINMENT: 5.5% MIN - 7.5% MAX
 - Structural Reinforcement:**
 - 2.1. BAR PER ASTM A615, GRADE 60
 - 2.2. WWF PER ASTM A1064, GRADE 75
 - 2.3. SUPPLEMENTAL REINFORCING AS SHOWN (WHEN REQUIRED.)
 - 2.4. DESIGNED FOR 125% HL-93 WHEEL LOAD RATING
 - 2.5. 2" CLR EXT., 1 1/2" CLR INT. UNLESS NOTED OTHERWISE
 - Manufacturing / Installation:**
 - 3.1. JOINTS SEALED WITH BUTYL RUBBER SEALANT.
 - 3.2. ALL JOINTS FILLED W/ NON-SHRINK GROUT AFTER INSTALLATION.
 - Soil / Fill Requirements:**
 - MINIMUM ALLOWABLE FILL: 4.50'
 - MAXIMUM ALLOWABLE FILL: 5.00'



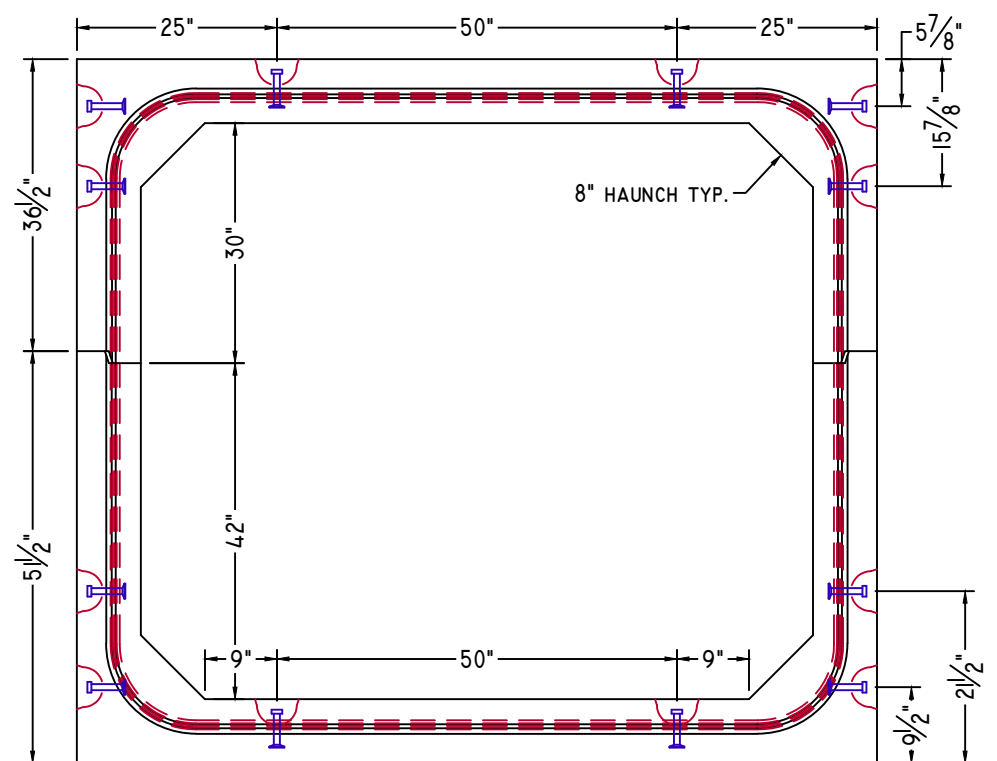
PLAN VIEW



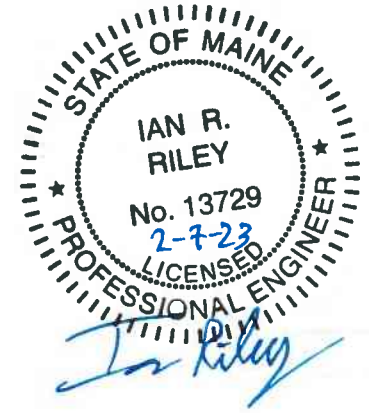
ISOMETRIC VIEW
NTS



ELEVATION-A



ELEVATION-B



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

STRUCTURE NAME: CULVERT 4: 7' x 6' x 84' (STA. 135+33)
 JOB NAME: US ROUTE I (WIN 20421.10)
 LOCATION: VAN BUREN, ME
 CONTRACTOR: ME DOT

DRAWN BY: SSM	DATE: 02/03/2023
REV.#: 0.00	DATE: 02/03/2023

C4.2

DOWNSTREAM END

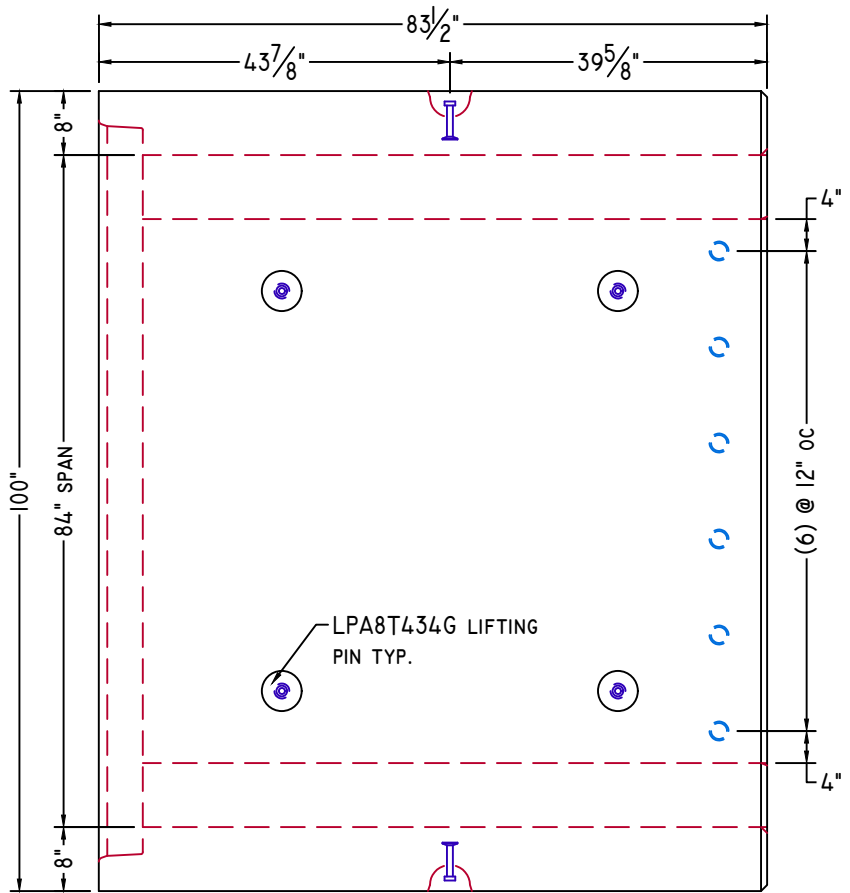


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 FAX: 207-947-3580
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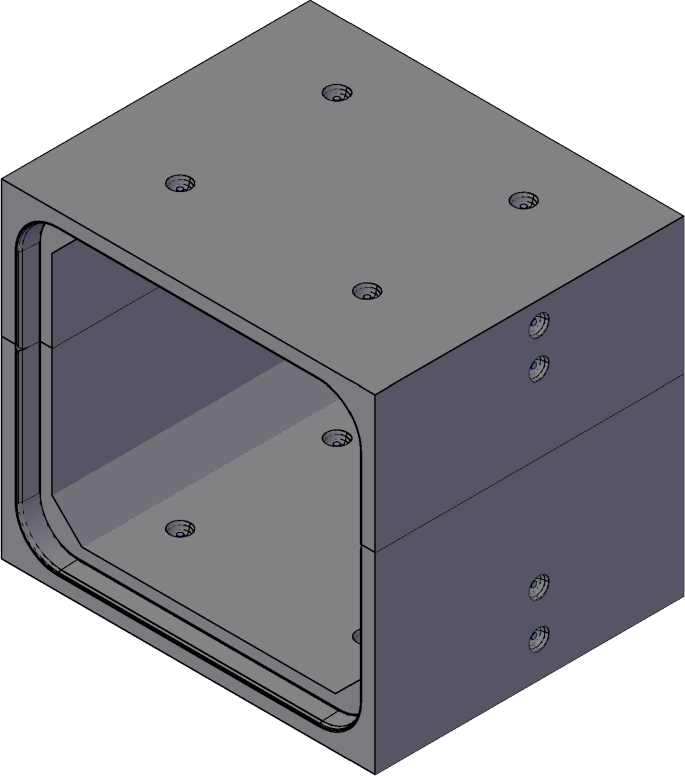
BILL OF MATERIALS

ITEM	QTY	DESCRIPTION	WEIGHT# EA
5	1	DOWNSTREAM END TOP	9,350
6	1	DOWNSTREAM END BOTTOM	10,860

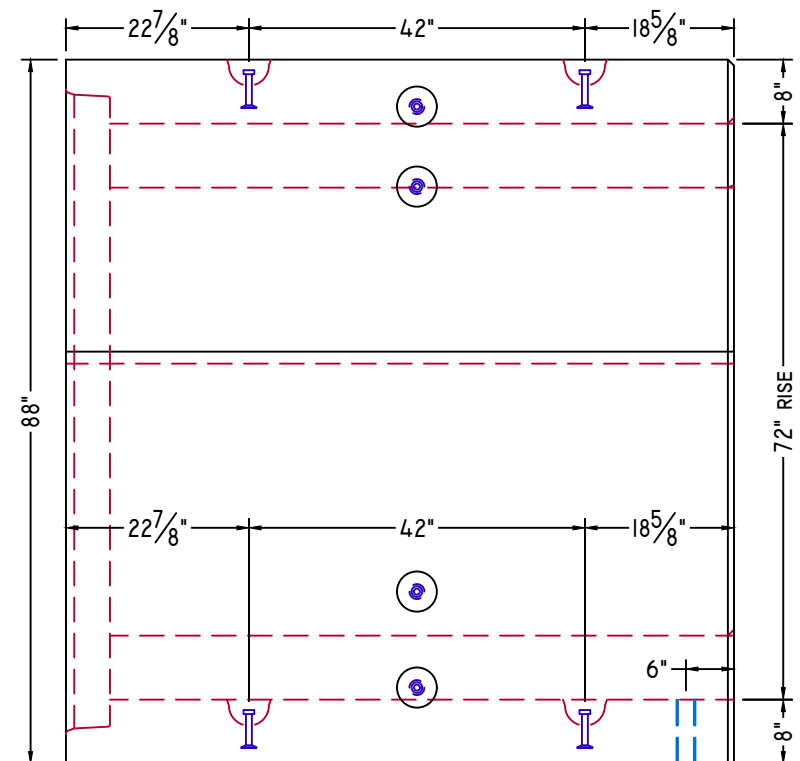
- DESIGN NOTES:
- Concrete**
 - 1.1. COMP. STRENGTH MIN. 5,000PSI @ 28 DAYS
 - 1.2. AIR-ENTRAINMENT: 5.5% MIN - 7.5% MAX
 - Structural Reinforcement:**
 - 2.1. BAR PER ASTM A615, GRADE 60
 - 2.2. WWF PER ASTM A1064, GRADE 75
 - 2.3. SUPPLEMENTAL REINFORCING AS SHOWN (WHEN REQUIRED.)
 - 2.4. DESIGNED FOR 125% HL-93 WHEEL LOAD RATING
 - 2.5. 2" CLR EXT., 1 1/2" CLR INT. UNLESS NOTED OTHERWISE
 - Manufacturing / Installation:**
 - 3.1. JOINTS SEALED WITH BUTYL RUBBER SEALANT.
 - 3.2. ALL JOINTS FILLED W/ NON-SHRINK GROUT AFTER INSTALLATION.
 - Soil / Fill Requirements:**
 - MINIMUM ALLOWABLE FILL: 4.50'
 - MAXIMUM ALLOWABLE FILL: 5.00'



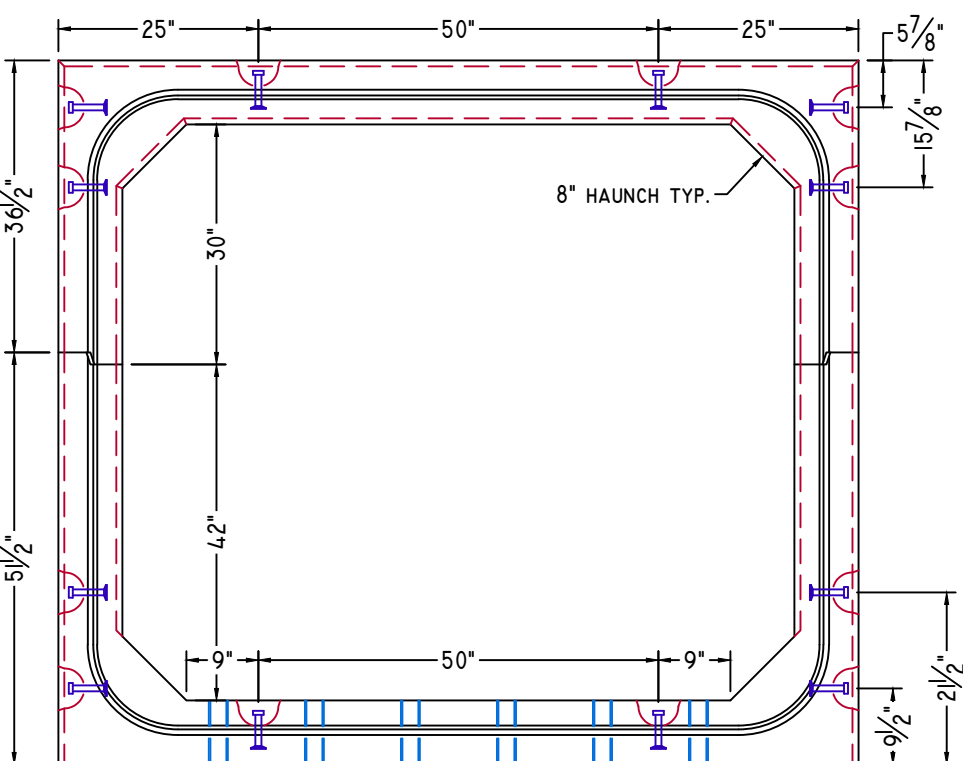
PLAN VIEW



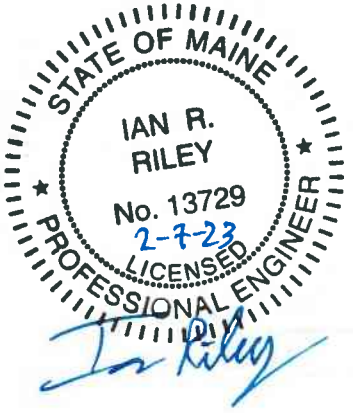
ISOMETRIC VIEW
NTS



ELEVATION-A



ELEVATION-B



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

STRUCTURE NAME:
 CULVERT 4: 7' x 6' x 84' (STA. 135+33)

JOB NAME:
 US ROUTE I (WIN 20421.10)

LOCATION:
 VAN BUREN, ME

CONTRACTOR:
 ME DOT

DRAWN BY: SSM	DATE: 02/03/2023	C4.3
REV.#: 0.00	DATE: 02/03/2023	

STANDARD DETAILS



American Concrete Industries

1717 STILLWATER AVE. VEAZIE, ME. 04401

TEL: 207-947-8334

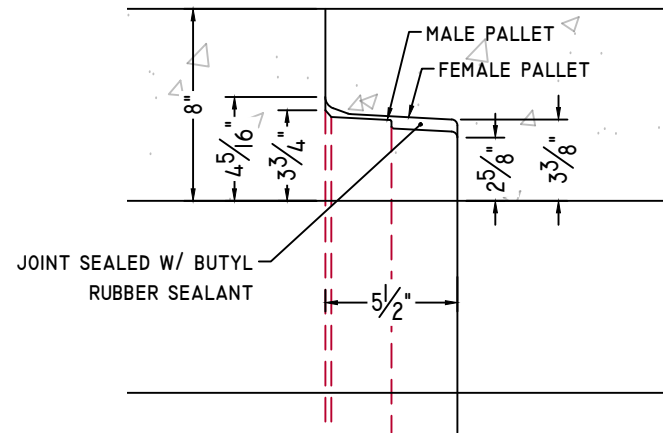
FAX: 207-947-3580

WWW.AMERICANCONCRETE.COM

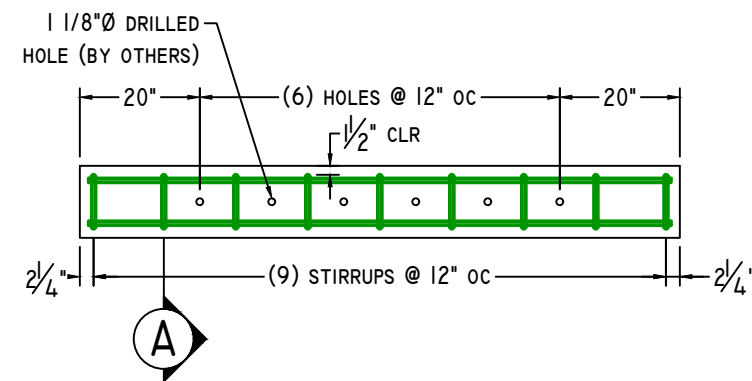
BILL OF MATERIALS

ITEM	QTY	DESCRIPTION	WEIGHT# EA
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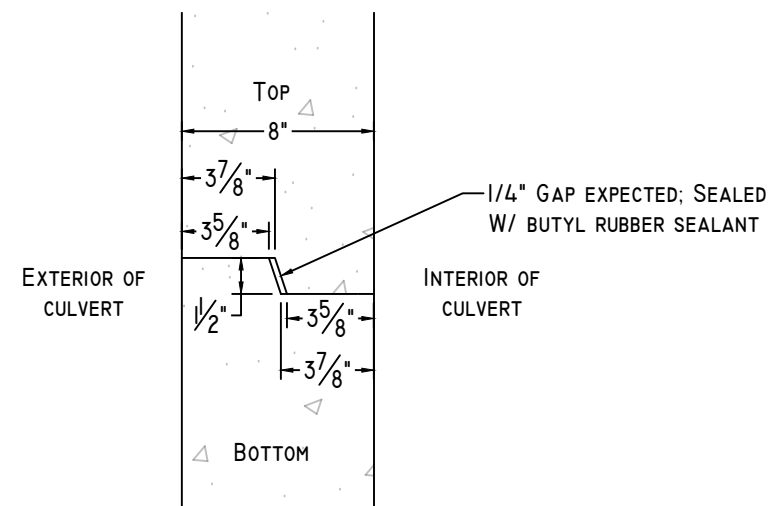


CULVERT JOINT DETAIL

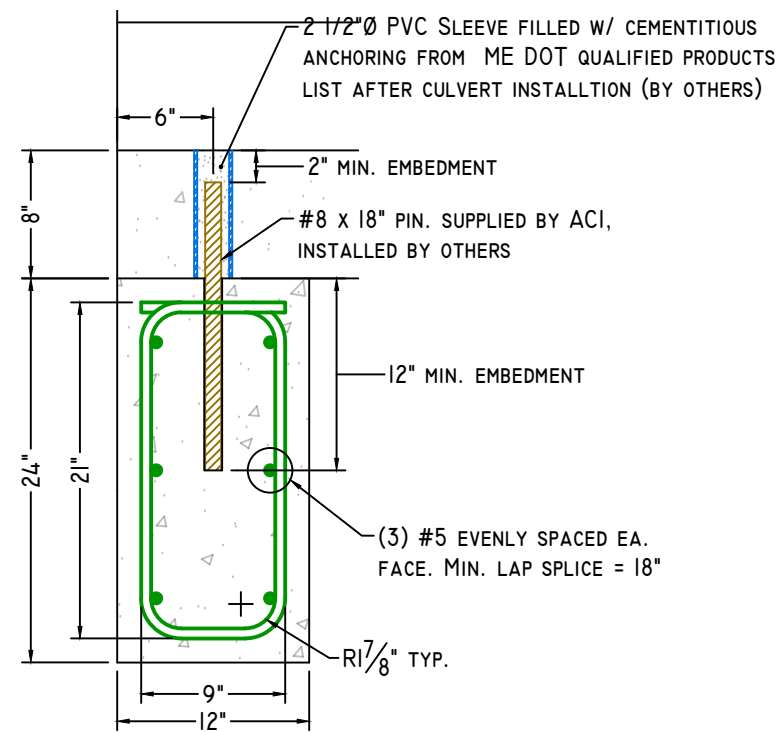


TOEWALL DETAIL

3/8" = 1'-0"

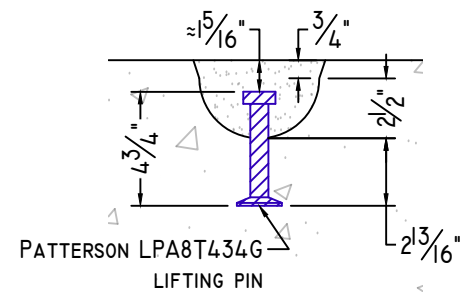


CLAMSHELL JOINT DETAIL

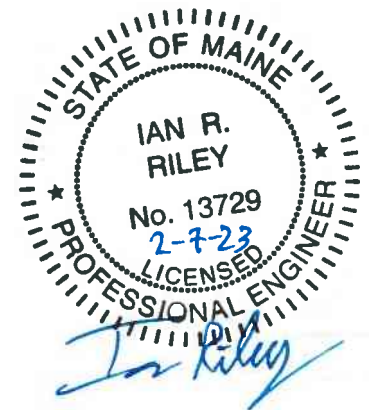


SECTION-A

1" = 1'-0"



8T 4 3/4" LIFTING PIN DETAIL



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

STRUCTURE NAME:
CULVERT 4: 7' x 6' x 84' (STA. 135+33)

JOB NAME:
US ROUTE I (WIN 20421.10)

LOCATION:
VAN BUREN, ME

CONTRACTOR:
ME DOT

DRAWN BY: SSM
DATE: 02/03/2023

REV.#: 0.00
DATE: 02/03/2023

D4.0

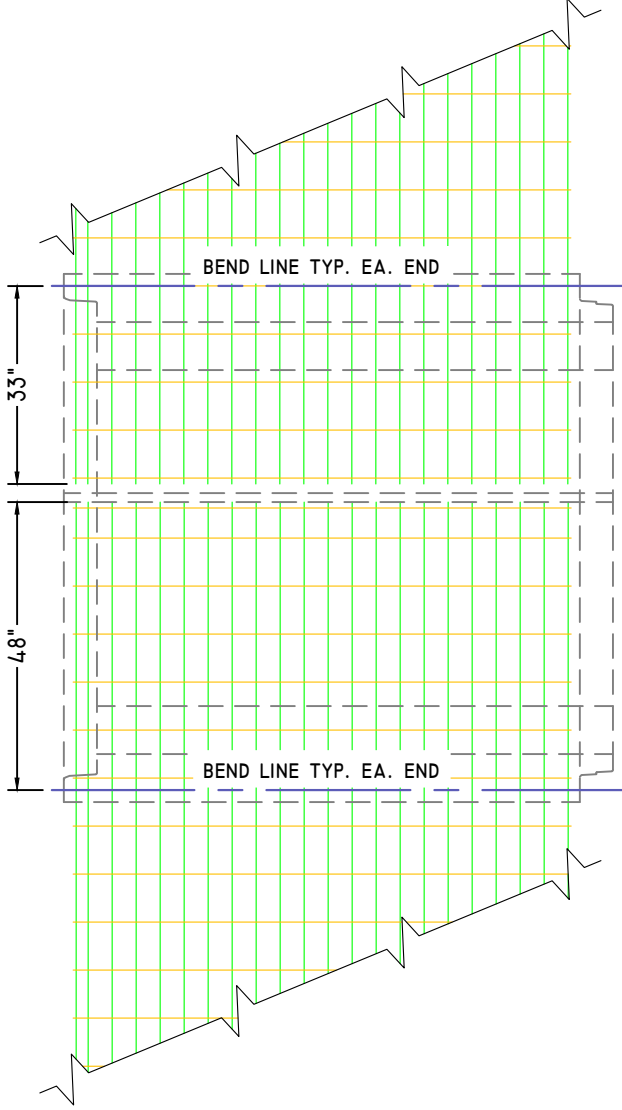
WELDED WIRE DETAILS



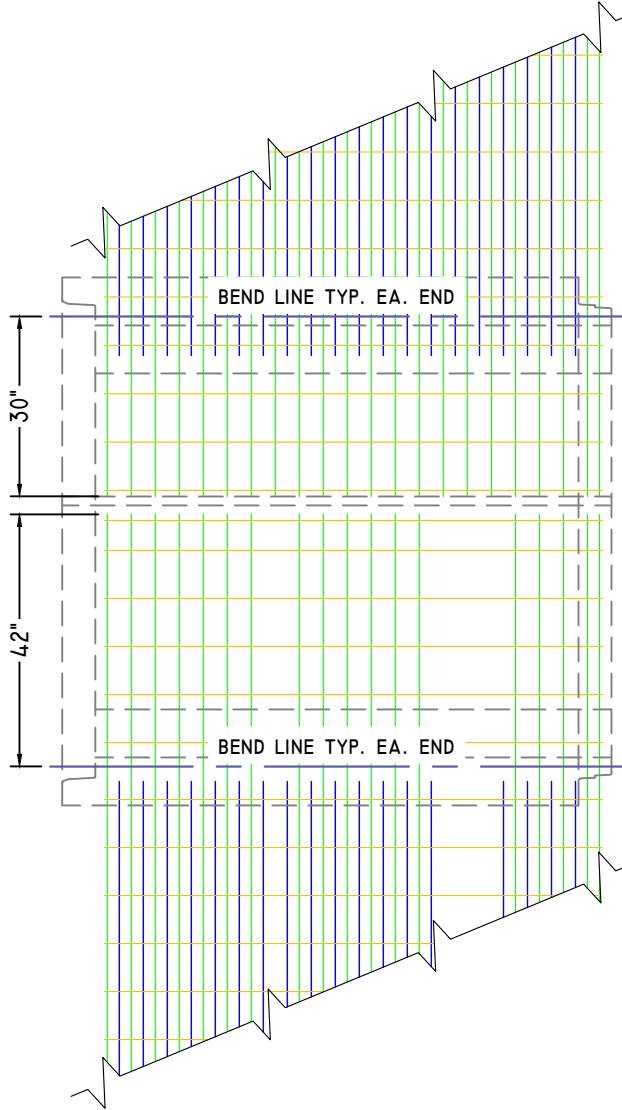
American Concrete Industries
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 TEL: 207-947-8334
 FAX: 207-947-3580
 WWW.AMERICANCONCRETE.COM

BILL OF MATERIALS

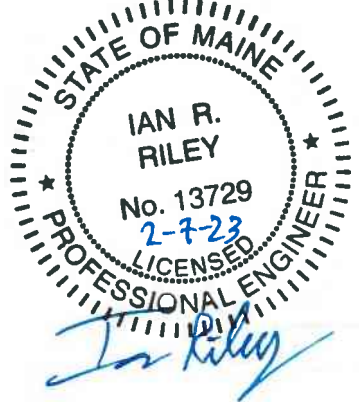
ITEM	QTY	DESCRIPTION	WEIGHT# EA
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ALL SECTIONS, EXTERIOR



ALL SECTIONS, INTERIOR



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

STRUCTURE NAME:	CULVERT 4: 7' x 6' x 84' (STA. 135+33)
JOB NAME:	US ROUTE 1 (WIN 20421.10)
LOCATION:	VAN BUREN, ME
CONTRACTOR:	ME DOT

DRAWN BY:	DATE:
SSM	02/03/2023
REV.#:	DATE:
0.00	02/03/2023

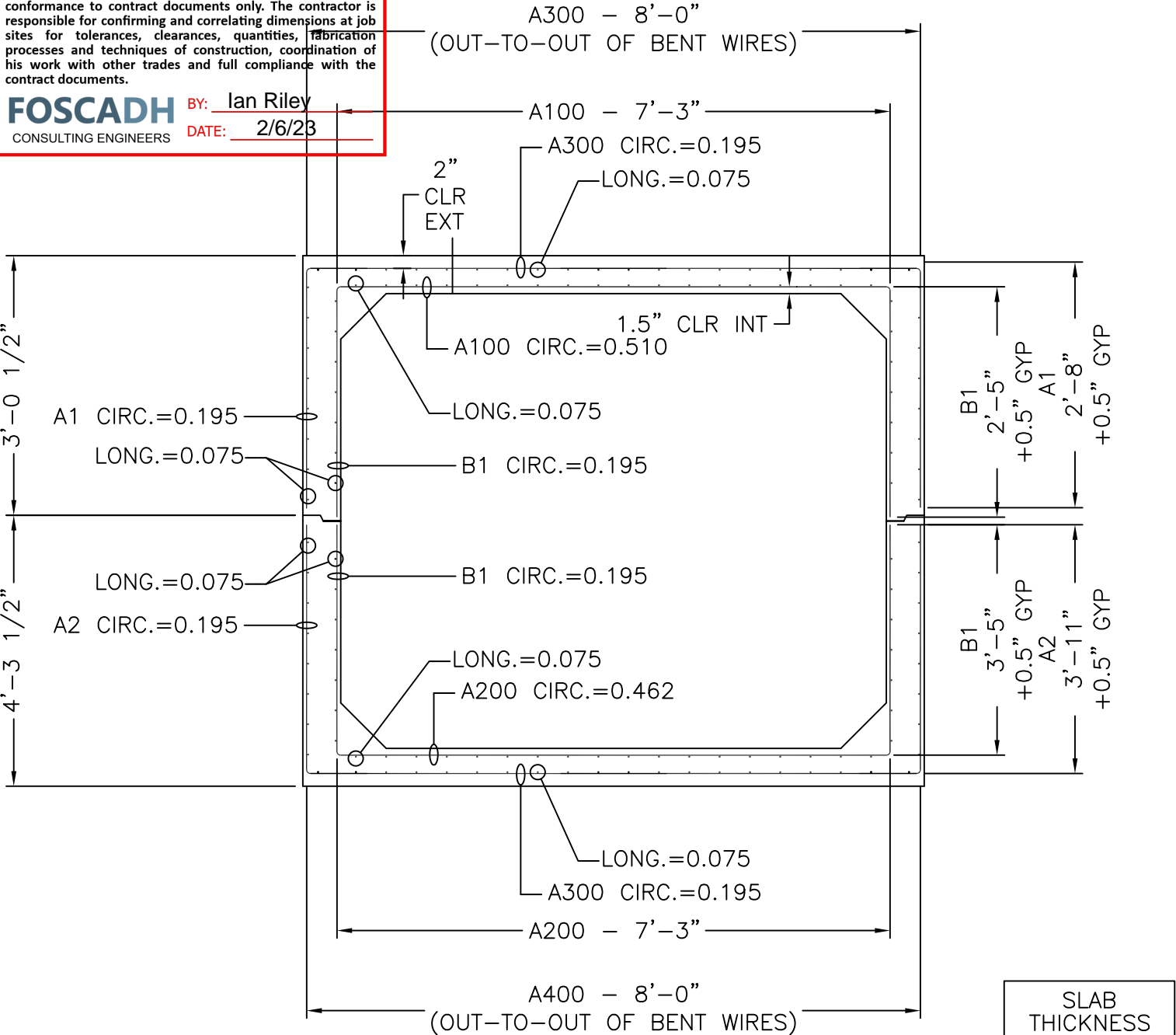
W4.0

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.

FOSCADH BY: Ian Riley
 CONSULTING ENGINEERS DATE: 2/6/23



7' x 6' x 6'-11 9/16"

CROSS SECTION WITH AREAS OF STEEL

SLAB THICKNESS	
TOP	8"
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 6'-11 9/16" JOINT = 455.4 lbs

BOX SIZE: 7' X 6' X 6'-11 9/16"	ASTM: HL-93	TABLE: 125%	FILL: -
------------------------------------	----------------	----------------	------------



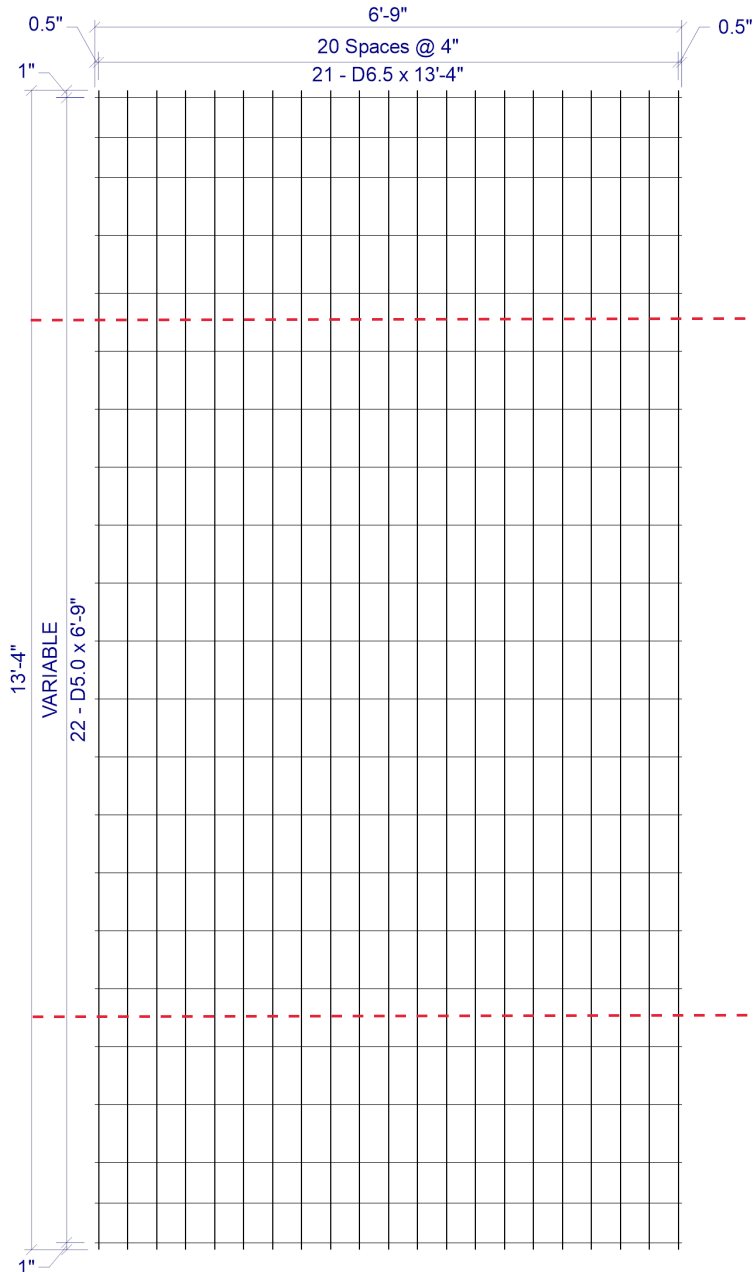
Concrete Reinforcements, Inc.
 3830 Presidents Way
 Jacksonville, FL 32220
 PH. 904-520-7100 FAX. 904-520-7101

CUSTOMER: AMERICAN CONCRETE	DRAWN BY: BWA	REVISION: -	SHEET DESCRIPTION: COVER	
PROJECT: 7' X 6' X 6'-11 9/16" VAN BUREN #4	DATE: 2/3/2023	REVISION DATE: -	FILE NAME: F22-4381	
CHECKED BY: BWA	SCALE: NTS	PROJECT #: F22-4381	SHEET #: 1 OF 5	

SHEET DESIGN



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



4 x VAR D6.5 / D5.0 (GRADE 75) 80(+0.5, +0.5) x 13'-4" (1, 1)
 VAR = 1" OH, 2@5.5", 17@8", 2@5.5", 1" OH

CUSTOMER American Concrete
 PROJECT F22-4381 - Drawings - 7x6 Vanburen #4 - American - 1-23-2023
 LOCATION Veazie, ME
 DATE 02-02-2023 MARK NUMBER A1/A300 (-01)

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 13'-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	21	N/A
SIZE	D6.5	N/A	D5.0
LENGTH	13'-4"	-	6'-9"
W.T./SHEET			
SHEET W.T.	87.12#		
QUANTITY	12		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

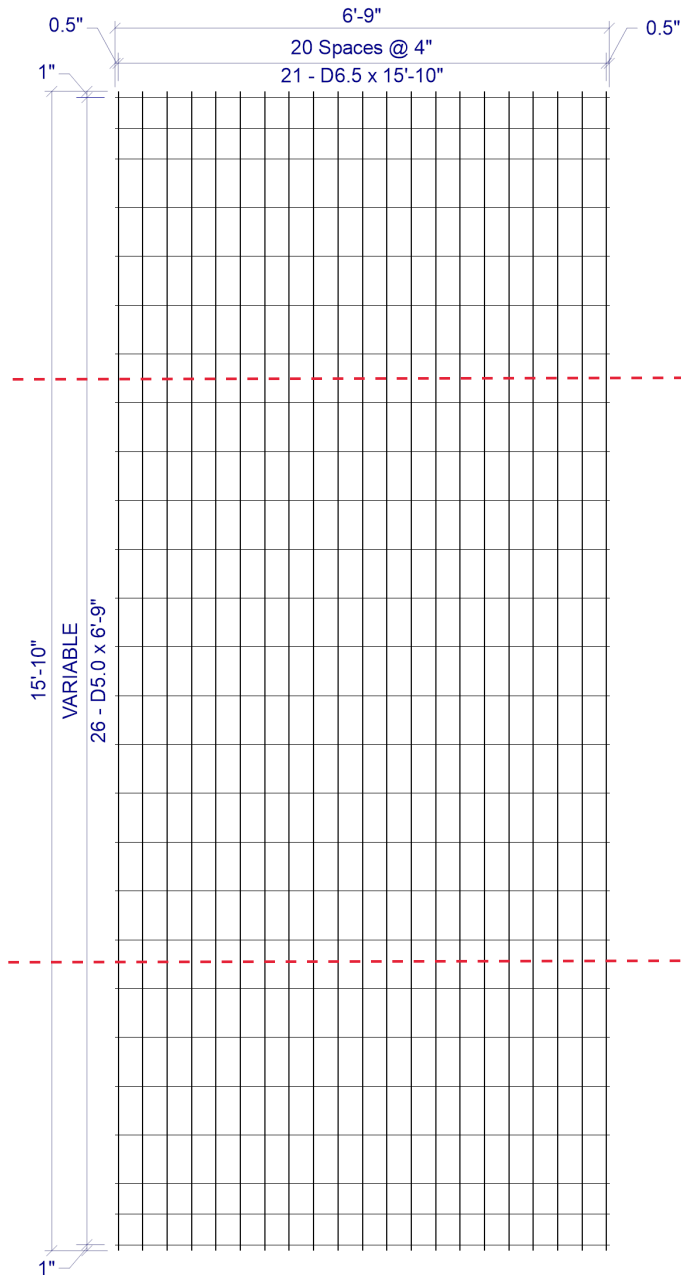
SPECIAL REMARKS:
 BEND DIMS: SLAB=96", WALLS=32" (+0.5"GYP)

APPROVED _____

SHEET DESIGN



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



4 x VAR D6.5 / D5.0 (GRADE 75) 80(+0.5, +0.5) x 15'-10" (1, 1)
 VAR = 1" OH, 2@5", 21@8", 2@5", 1" OH

BEND LINE

BEND LINE

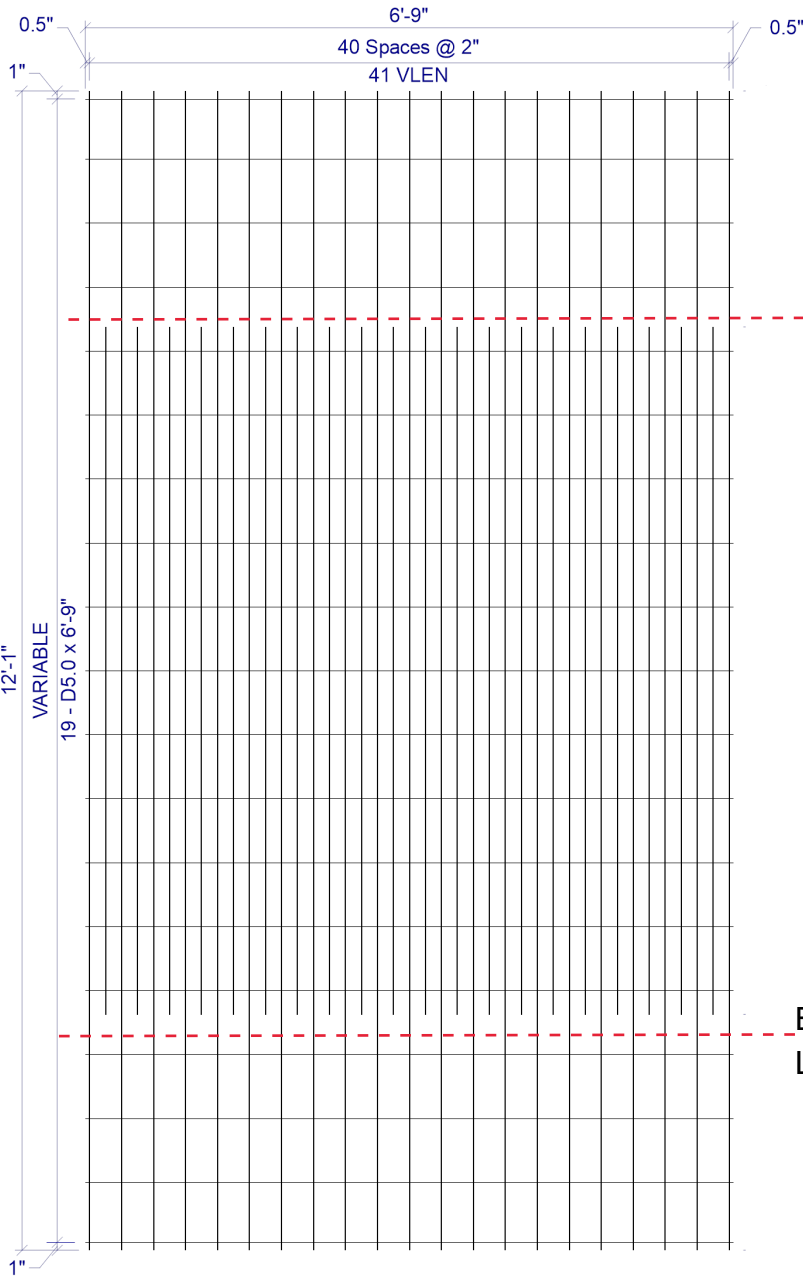
CUSTOMER American Concrete
 PROJECT F22-4381 - Drawings - 7x6 Vanburen #4 - American - 1-23-2023
 LOCATION Veazie, ME
 DATE 02-02-2023 MARK NUMBER A2/A400 (-02)

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 15'-10"
 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	21	N/A
SIZE	D6.5	N/A	D5.0
LENGTH	15'-10"	-	6'-9"
W.T./SHEET			
SHEET W.T.	103.32#		
QUANTITY	12		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

SPECIAL REMARKS:
 BEND DIMS: SLAB=96", WALLS=47" (+0.5"GYP)

APPROVED _____



SHEET DESIGN



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

CUSTOMER American Concrete
 PROJECT F22-4381 - Drawings - 7x6 Vanburen #4 - American - 1-23-2023
 LOCATION Veazie, ME
 DATE 02-02-2023 MARK NUMBER B1/A100 (-03)

L.W.SPACED 2"
 C.W.SPACED VAR
 L.W.1 SIZE D6.5
 L.W.2 SIZE D10.5
 C.W.SIZE D5.0
 WIDTH 6'-9"
 LENGTH 12'-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	21	20
SIZE	D6.5	D10.5	D5.0
LENGTH	12'-1"	7'-2"	6'-9"
W.T./SHEET			
SHEET W.T.	129.05#		
QUANTITY	12		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

SPECIAL REMARKS:
 BEND DIMS: SLAB=87", WALLS=29" (+0.5"GYP)

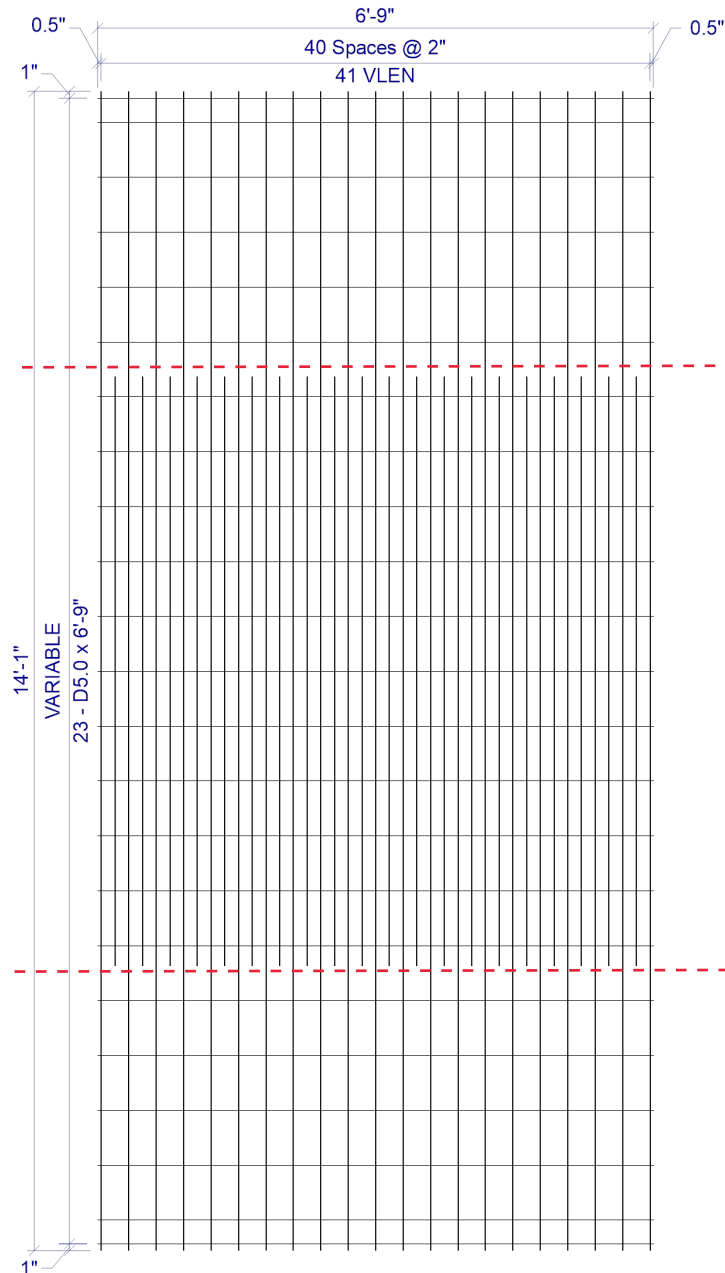
2 x VAR D6.5 / D10.5 / D5.0 (GRADE 75) 80"(+0.5", +0.5") x VLEN(1", 1")
 VLEN = ALTERNATING LENGTH 7'-2" & 12'-1" WITH 12'-1" @ LHS & RHS
 VAR = 1" OH, 1@7.5", 16@8", 1@7.5", 1" OH

APPROVED _____

SHEET DESIGN



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



BEND
LINE

BEND
LINE

CUSTOMER American Concrete
 PROJECT F22-4381 - Drawings - 7x6 Vanburen #4 - American - 1-23-2023
 LOCATION Veazie, ME
 DATE 02-02-2023 MARK NUMBER B1/A200 (-04)

L.W.SPACE 2"
 C.W.SPACE VAR
 L.W.1 SIZE D6.5
 L.W.2 SIZE D8.9
 C.W.SIZE D5.0
 WIDTH 6'-9"
 LENGTH 14'-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	21	20
SIZE	D6.5	D8.9	D5.0
LENGTH	14'-1"	7'-2"	6'-9"
W.T./SHEET			
SHEET W.T.	135.70#		
QUANTITY	12		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

SPECIAL REMARKS:
 BEND DIMS: SLAB=87", WALLS=41" (+0.5"GYP)

2 x VAR D6.5 / D8.9 / D5.0 (GRADE 75) 80"(+0.5", +0.5") x VLEN(1", 1")
 VLEN = ALTERNATING LENGTH 7'-2" & 14'-1" WITH 14'-1" @ LHS & RHS
 VAR = 1" OH, 1@3.5", 20@8", 1@3.5", 1" OH

APPROVED _____

OVERALL



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	9,855
2	1	UPSTREAM END BOTTOM	11,440
3	10	MID SECTION TOP	9,590
4	10	MID SECTION BOTTOM	11,150
5	1	DOWNSTREAM END TOP	9,350
6	1	DOWNSTREAM END BOTTOM	10,860
7	2	1' x 2' x 8'-4" TOEWALL	2,495
8	12	#8 x 18" TOEWALL PIN (SHIPPED LOOSE)	

DESIGN NOTES:

- Concrete**
 - 1.1. COMP. STRENGTH MIN. 5,000PSI @ 28 DAYS
 - 1.2. AIR-ENTRAINMENT: 5.5% MIN - 7.5% 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 (WHEN REQUIRED.)
 - 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. JOINTS SEALED WITH BUTYL RUBBER SEALANT.
 - 3.2. ALL JOINTS FILLED W/ NON-SHRINK GROUT AFTER INSTALLATION.
- Soil / Fill Requirements:**
 - MINIMUM ALLOWABLE FILL: 4.50'
 - MAXIMUM ALLOWABLE FILL: 5.00'

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

STRUCTURE NAME:
 CULVERT 4: 7' x 6' x 84' (STA. 135+33)

JOB NAME:
 US ROUTE 1 (WIN 20421.10)

LOCATION:
 VAN BUREN, ME

CONTRACTOR:
 ME DOT

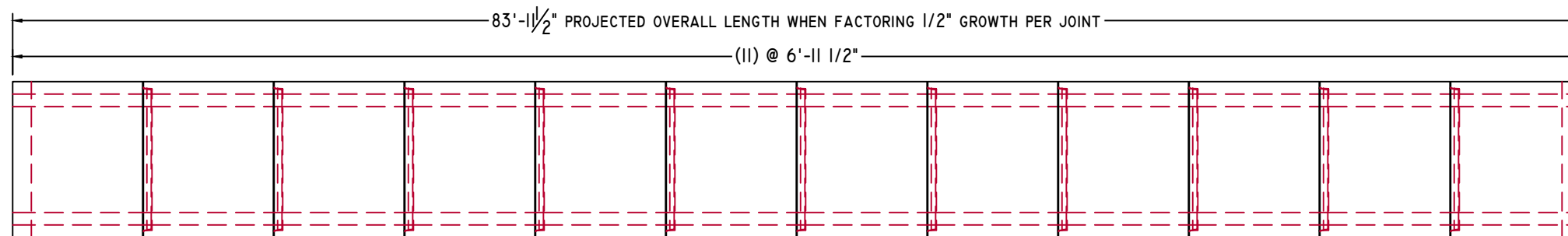
DRAWN BY:
 SSM

DATE:
 02/03/2023

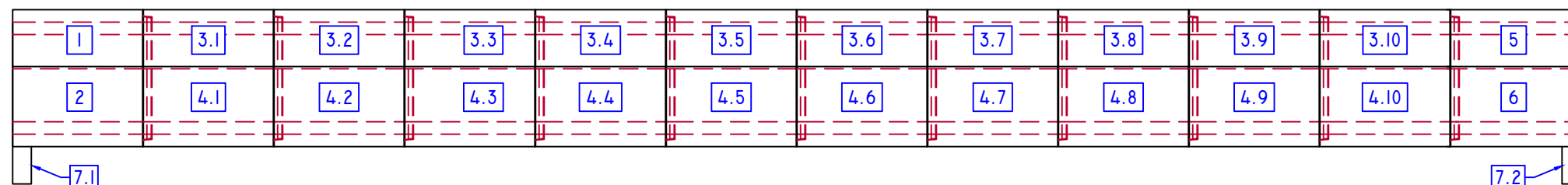
REV.#:
 0.00

DATE:
 02/03/2023

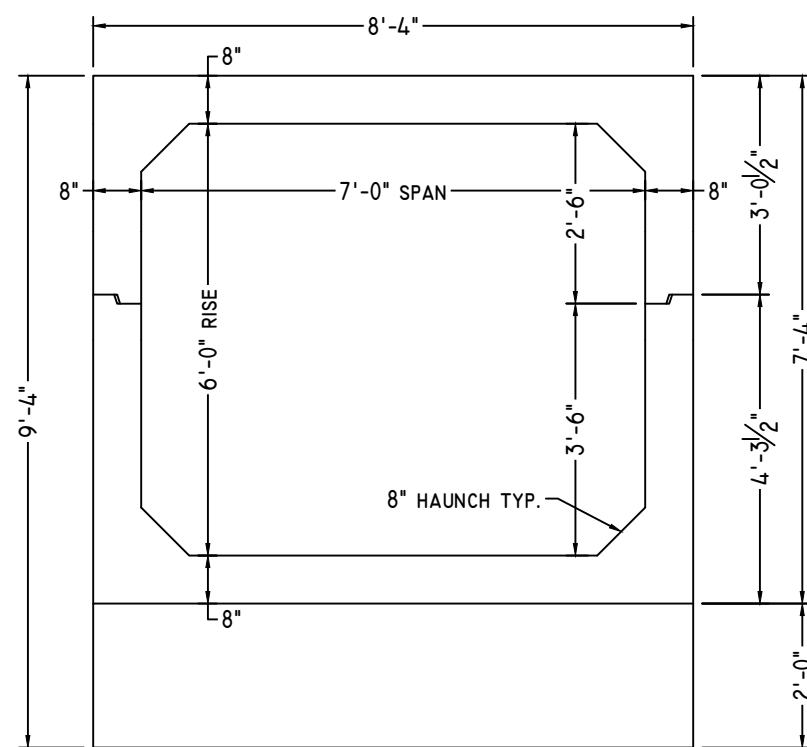
C4.0



PLAN VIEW

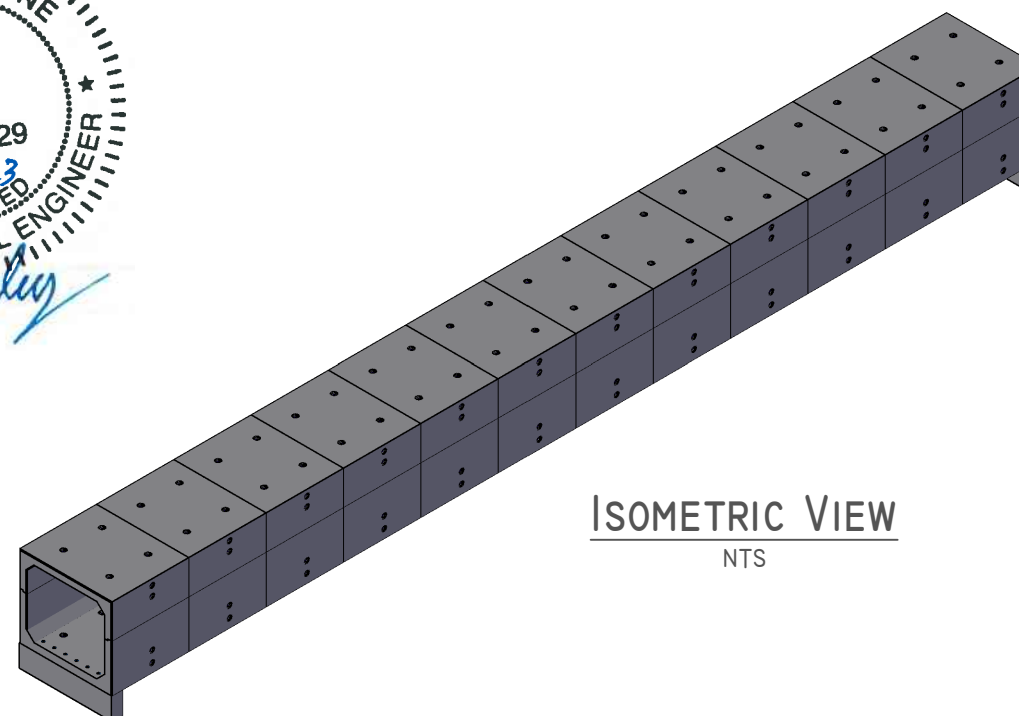
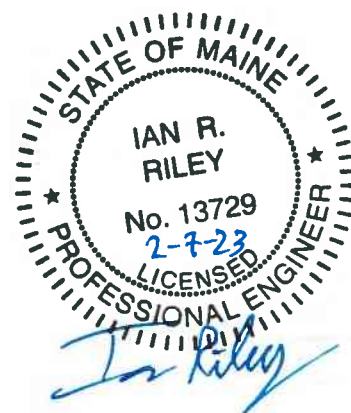


ELEVATION-A



ELEVATION-B

3/8" = 1'-0"



ISOMETRIC VIEW

NTS

UPSTREAM END

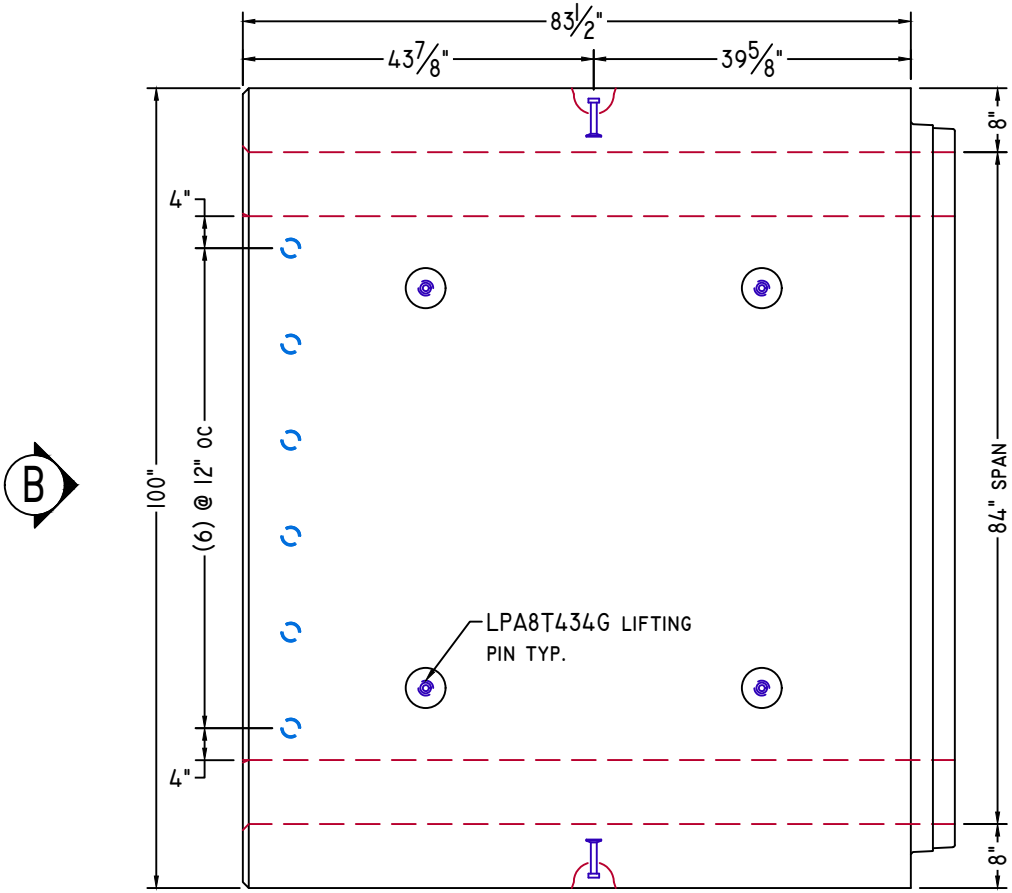


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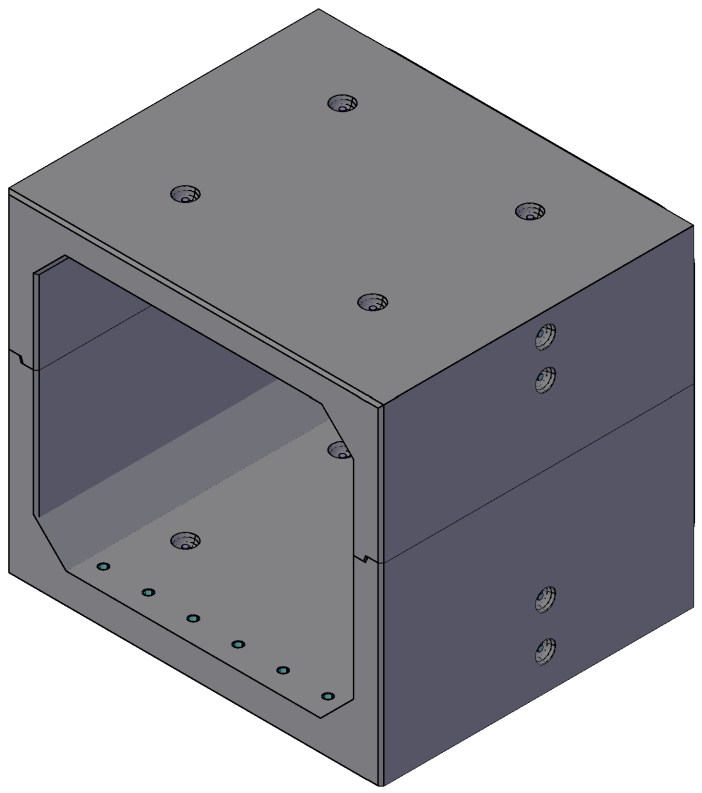
BILL OF MATERIALS

ITEM	QTY	DESCRIPTION	WEIGHT# EA
1	1	UPSTREAM END TOP	9,855
2	1	UPSTREAM END BOTTOM	11,440

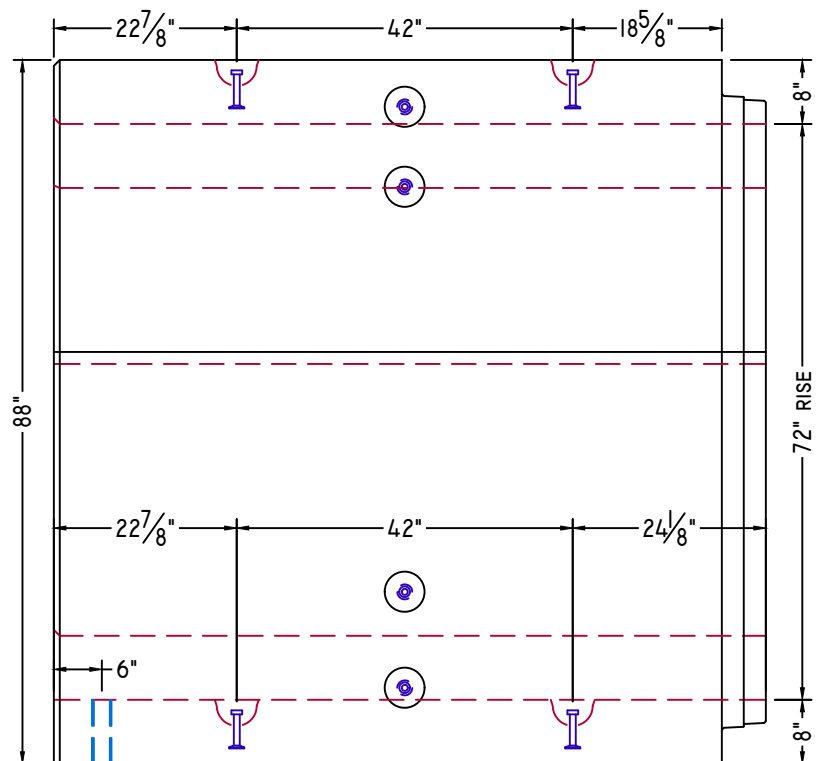
- DESIGN NOTES:**
- Concrete**
 - 1.1. COMP. STRENGTH MIN. 5,000PSI @ 28 DAYS
 - 1.2. AIR-ENTRAINMENT: 5.5% MIN - 7.5% MAX
 - Structural Reinforcement:**
 - 2.1. BAR PER ASTM A615, GRADE 60
 - 2.2. WWF PER ASTM A1064, GRADE 75
 - 2.3. SUPPLEMENTAL REINFORCING AS SHOWN (WHEN REQUIRED.)
 - 2.4. DESIGNED FOR 125% HL-93 WHEEL LOAD RATING
 - 2.5. 2" CLR EXT., 1 1/2" CLR INT. UNLESS NOTED OTHERWISE
 - Manufacturing / Installation:**
 - 3.1. JOINTS SEALED WITH BUTYL RUBBER SEALANT.
 - 3.2. ALL JOINTS FILLED W/ NON-SHRINK GROUT AFTER INSTALLATION.
 - Soil / Fill Requirements:**
 - MINIMUM ALLOWABLE FILL: 4.50'
 - MAXIMUM ALLOWABLE FILL: 5.00'



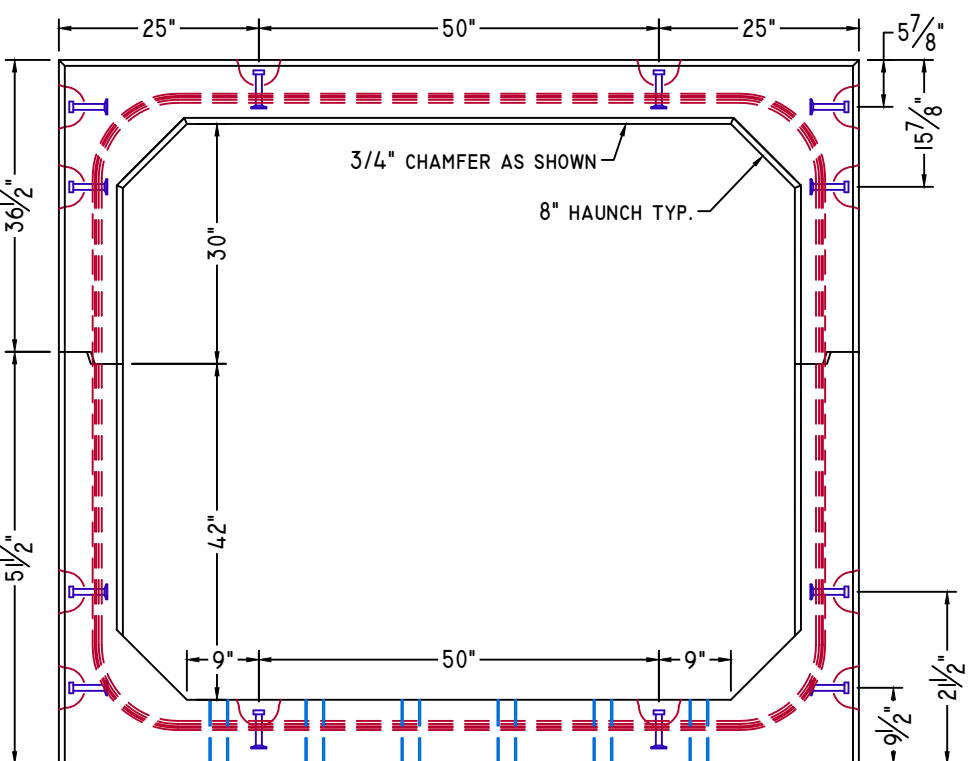
PLAN VIEW



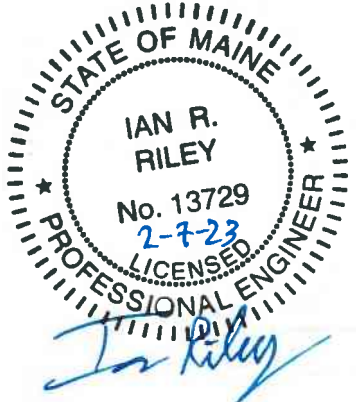
ISOMETRIC VIEW
NTS



ELEVATION-A



ELEVATION-B



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

STRUCTURE NAME:
 CULVERT 4: 7' x 6' x 84' (STA. 135+33)

JOB NAME:
 US ROUTE I (WIN 20421.10)

LOCATION:
 VAN BUREN, ME

CONTRACTOR:
 ME DOT

DRAWN BY: SSM	DATE: 02/03/2023	C4.1
REV.#: 0.00	DATE: 02/03/2023	

MID SECTION

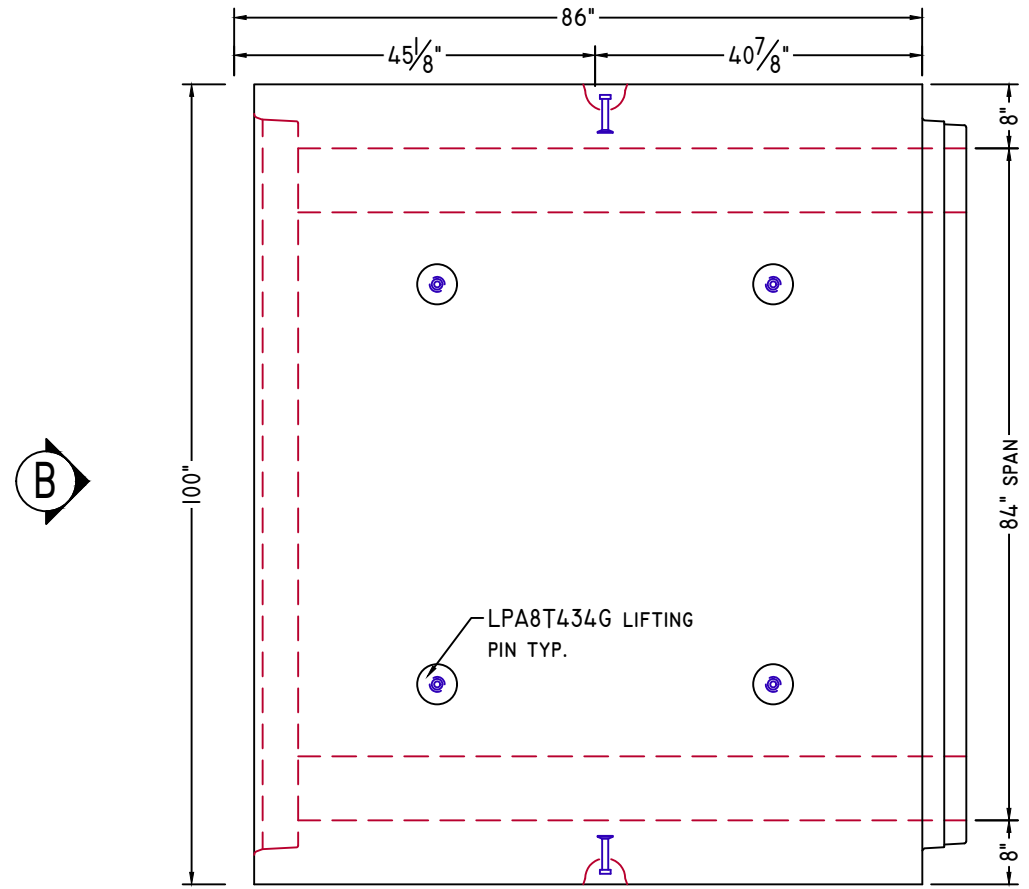


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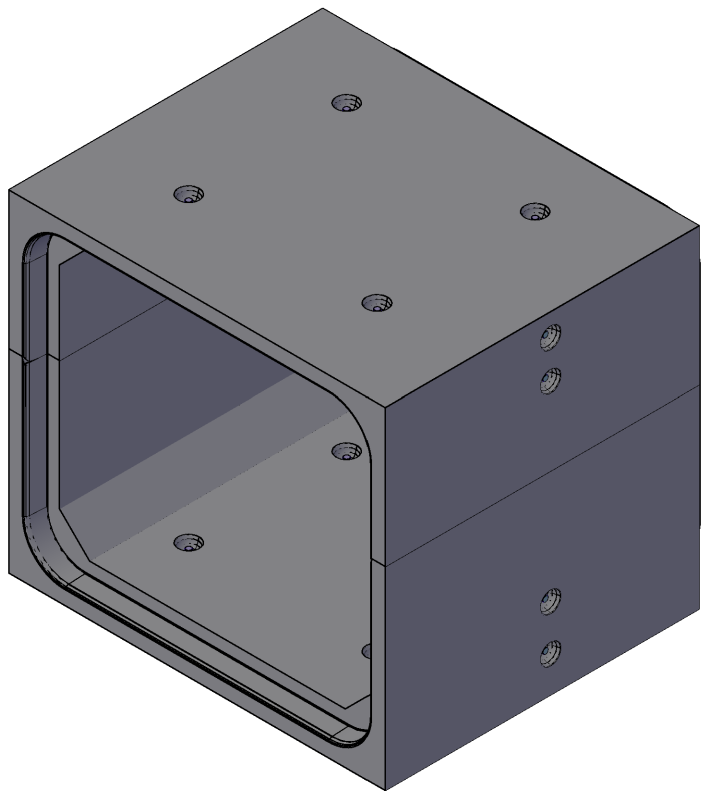
BILL OF MATERIALS

ITEM	QTY	DESCRIPTION	WEIGHT# EA
3	10	MID SECTION TOP	9,590
4	10	MID SECTION BOTTOM	11,150

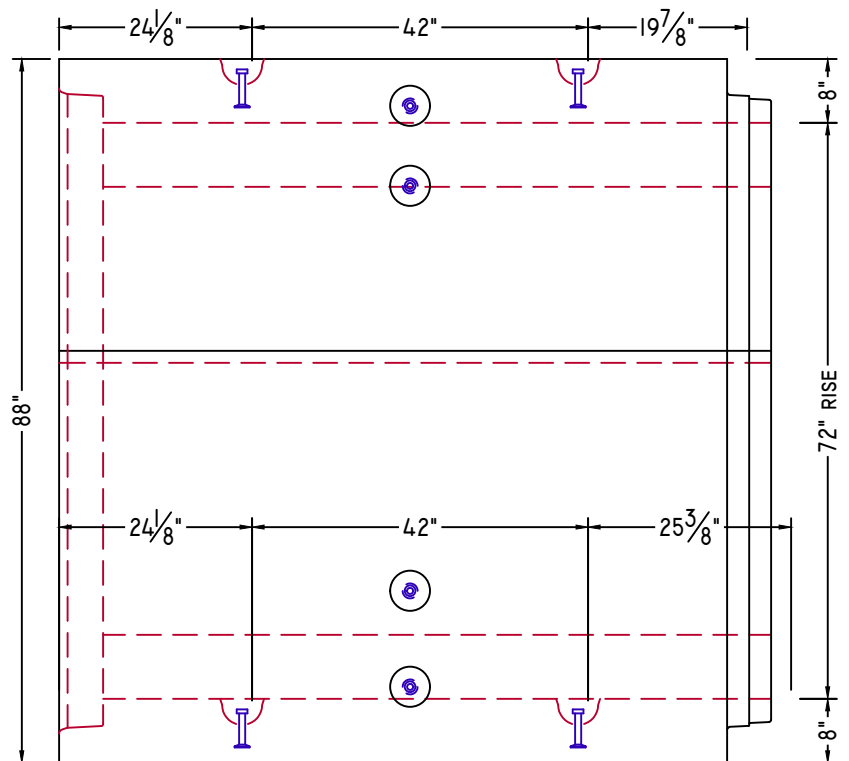
- DESIGN NOTES:
- Concrete**
 - 1.1. COMP. STRENGTH MIN. 5,000PSI @ 28 DAYS
 - 1.2. AIR-ENTRAINMENT: 5.5% MIN - 7.5% MAX
 - Structural Reinforcement:**
 - 2.1. BAR PER ASTM A615, GRADE 60
 - 2.2. WWF PER ASTM A1064, GRADE 75
 - 2.3. SUPPLEMENTAL REINFORCING AS SHOWN (WHEN REQUIRED.)
 - 2.4. DESIGNED FOR 125% HL-93 WHEEL LOAD RATING
 - 2.5. 2" CLR EXT., 1 1/2" CLR INT. UNLESS NOTED OTHERWISE
 - Manufacturing / Installation:**
 - 3.1. JOINTS SEALED WITH BUTYL RUBBER SEALANT.
 - 3.2. ALL JOINTS FILLED W/ NON-SHRINK GROUT AFTER INSTALLATION.
 - Soil / Fill Requirements:**
 - MINIMUM ALLOWABLE FILL: 4.50'
 - MAXIMUM ALLOWABLE FILL: 5.00'



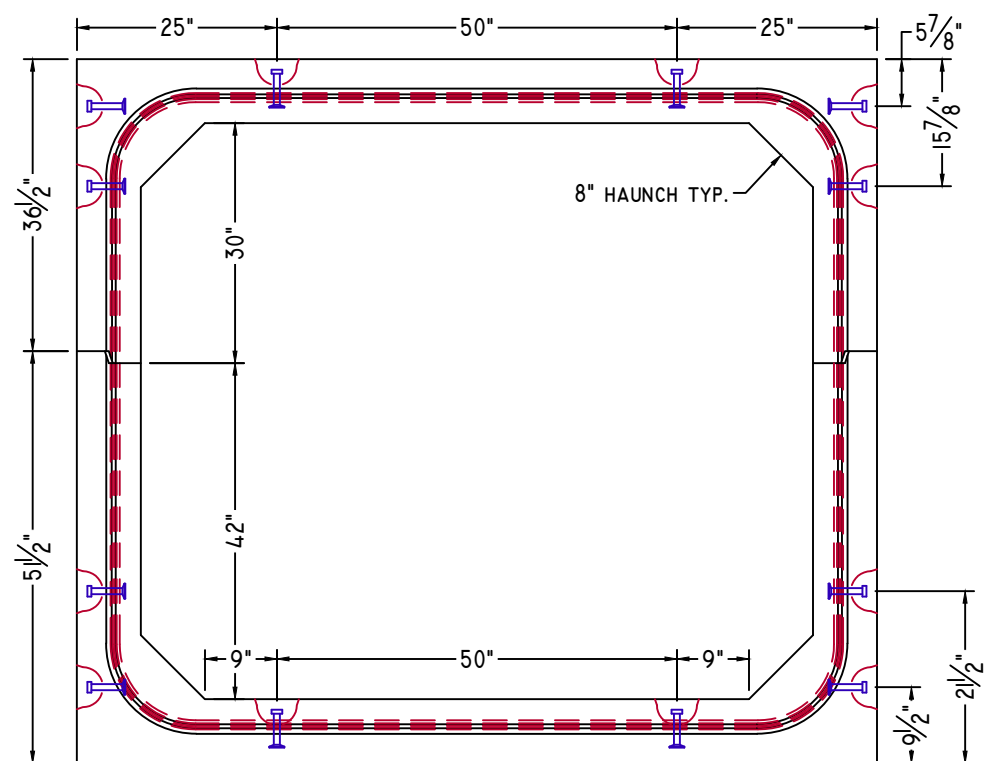
PLAN VIEW



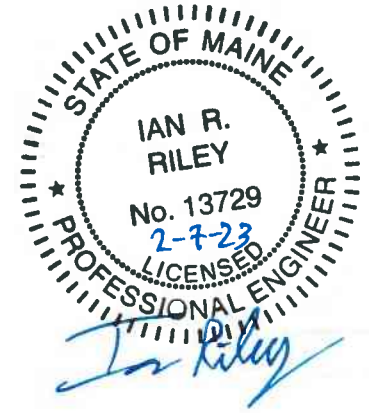
ISOMETRIC VIEW
NTS



ELEVATION-A



ELEVATION-B



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

STRUCTURE NAME: CULVERT 4: 7' x 6' x 84' (STA. 135+33)
 JOB NAME: US ROUTE I (WIN 20421.10)
 LOCATION: VAN BUREN, ME
 CONTRACTOR: ME DOT

DRAWN BY: SSM	DATE: 02/03/2023
REV.#: 0.00	DATE: 02/03/2023

C4.2

DOWNSTREAM END

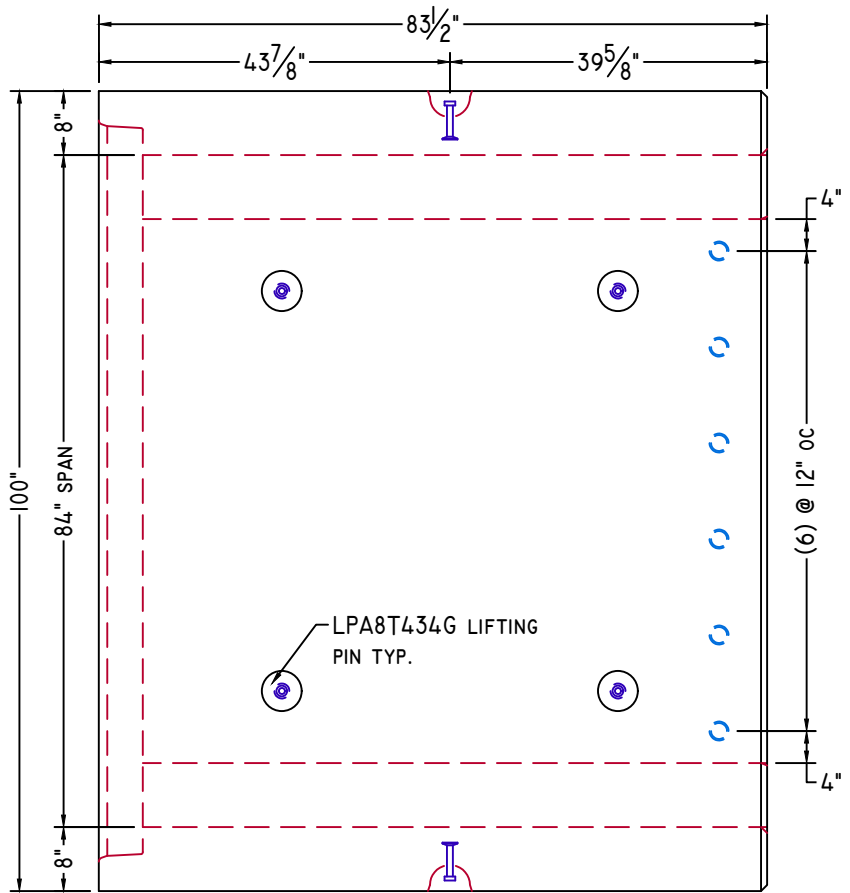


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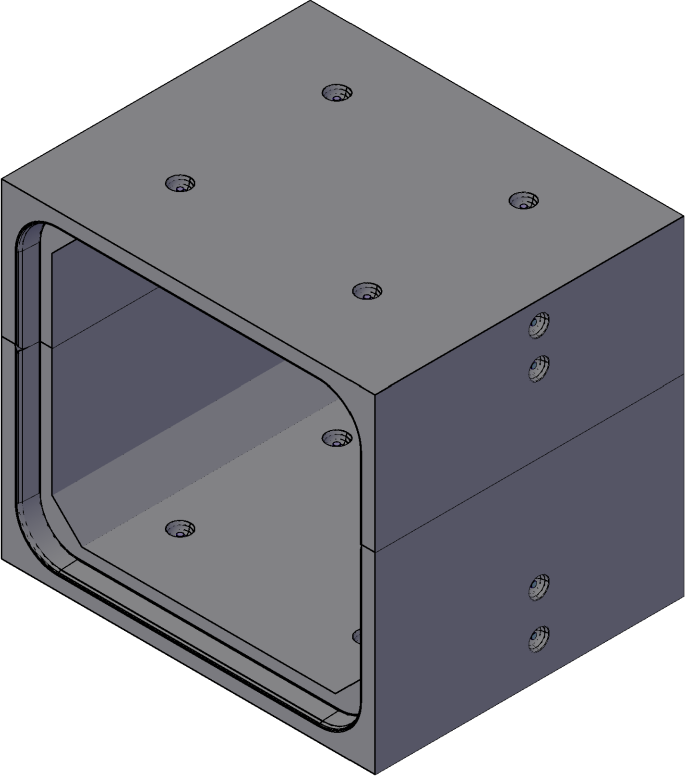
BILL OF MATERIALS

ITEM	QTY	DESCRIPTION	WEIGHT# EA
5	1	DOWNSTREAM END TOP	9,350
6	1	DOWNSTREAM END BOTTOM	10,860

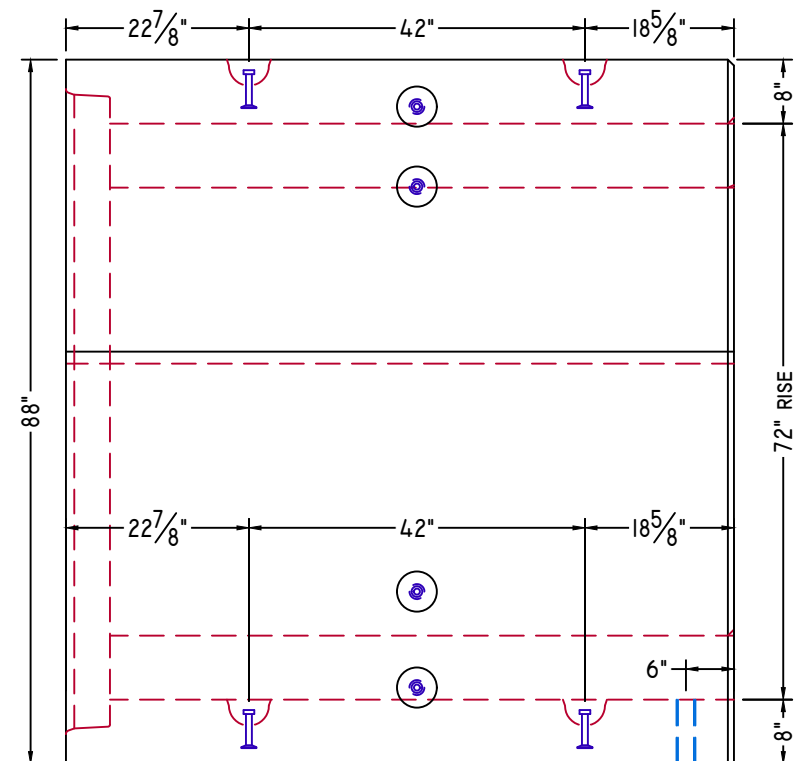
- DESIGN NOTES:
- Concrete**
 - 1.1. COMP. STRENGTH MIN. 5,000PSI @ 28 DAYS
 - 1.2. AIR-ENTRAINMENT: 5.5% MIN - 7.5% MAX
 - Structural Reinforcement:**
 - 2.1. BAR PER ASTM A615, GRADE 60
 - 2.2. WWF PER ASTM A1064, GRADE 75
 - 2.3. SUPPLEMENTAL REINFORCING AS SHOWN (WHEN REQUIRED.)
 - 2.4. DESIGNED FOR 125% HL-93 WHEEL LOAD RATING
 - 2.5. 2" CLR EXT., 1 1/2" CLR INT. UNLESS NOTED OTHERWISE
 - Manufacturing / Installation:**
 - 3.1. JOINTS SEALED WITH BUTYL RUBBER SEALANT.
 - 3.2. ALL JOINTS FILLED W/ NON-SHRINK GROUT AFTER INSTALLATION.
 - Soil / Fill Requirements:**
 - MINIMUM ALLOWABLE FILL: 4.50'
 - MAXIMUM ALLOWABLE FILL: 5.00'



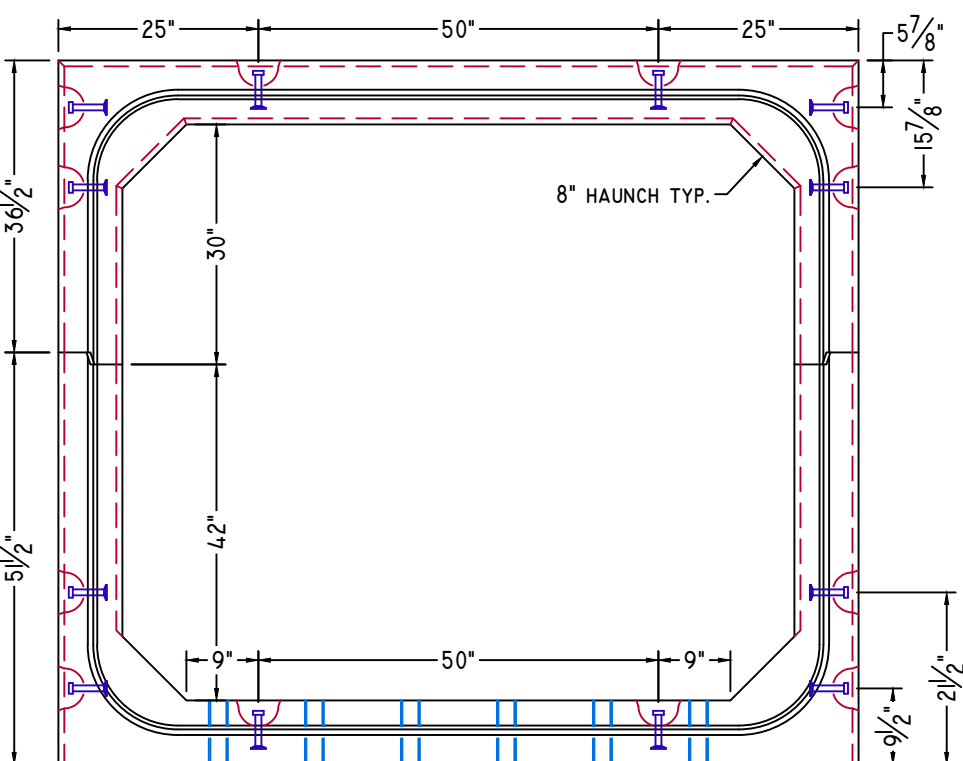
PLAN VIEW



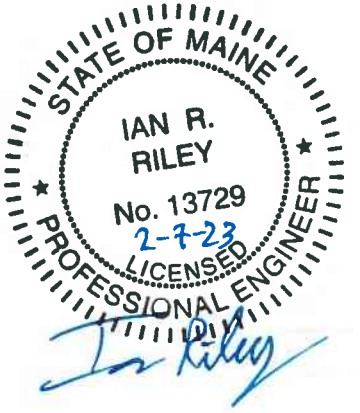
ISOMETRIC VIEW
NTS



ELEVATION-A



ELEVATION-B



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

STRUCTURE NAME:
 CULVERT 4: 7' x 6' x 84' (STA. 135+33)

JOB NAME:
 US ROUTE I (WIN 20421.10)

LOCATION:
 VAN BUREN, ME

CONTRACTOR:
 ME DOT

DRAWN BY: SSM DATE: 02/03/2023

REV.#: 0.00 DATE: 02/03/2023

C4.3

STANDARD DETAILS

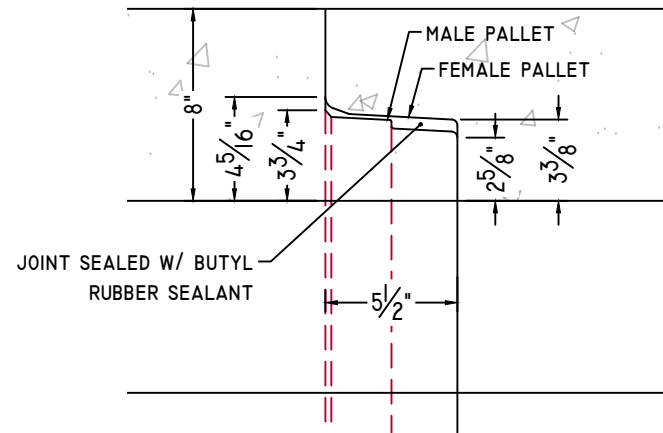


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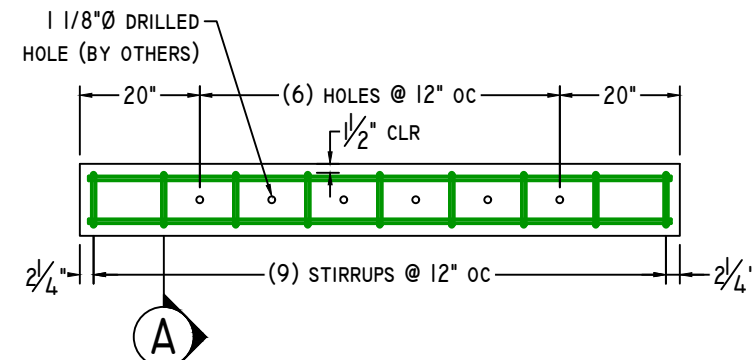
BILL OF MATERIALS

ITEM	QTY	DESCRIPTION	WEIGHT# EA
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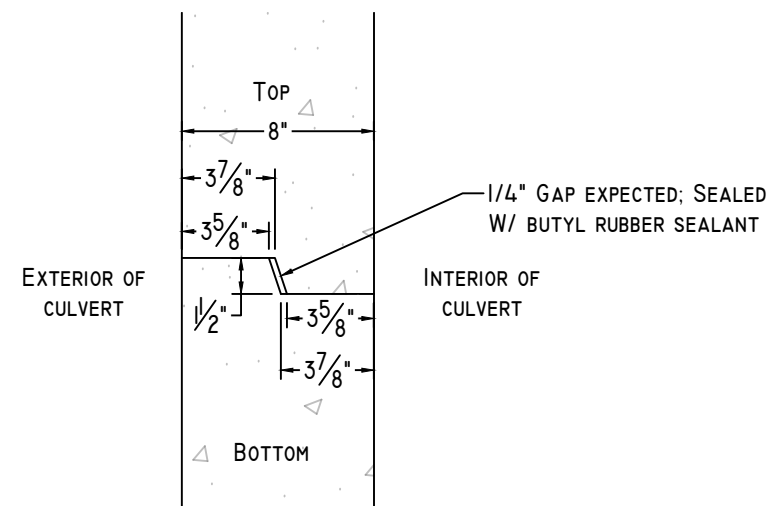


CULVERT JOINT DETAIL

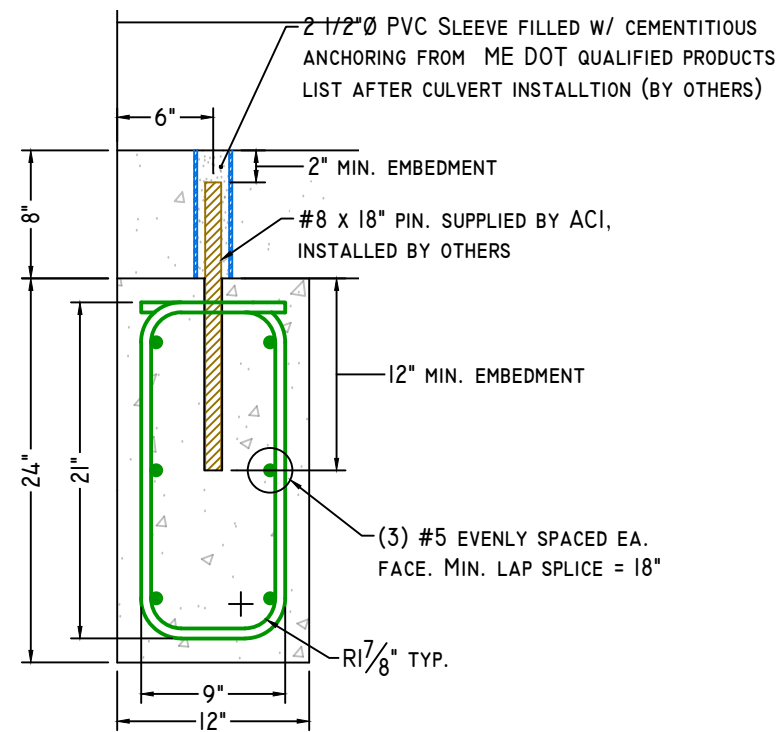


TOEWALL DETAIL

3/8" = 1'-0"

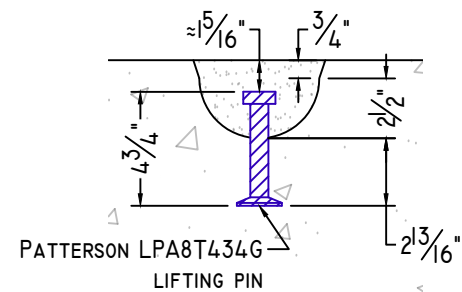


CLAMSHELL JOINT DETAIL

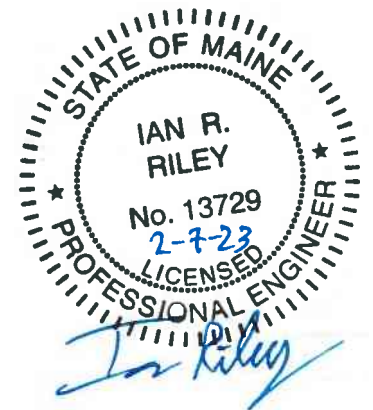


SECTION-A

1" = 1'-0"



8T 4 3/4" LIFTING PIN DETAIL



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

STRUCTURE NAME: CULVERT 4: 7' x 6' x 84' (STA. 135+33)	
JOB NAME: US ROUTE I (WIN 20421.10)	
LOCATION: VAN BUREN, ME	
CONTRACTOR: ME DOT	
DRAWN BY: SSM	DATE: 02/03/2023
REV.#: 0.00	DATE: 02/03/2023

D4.0

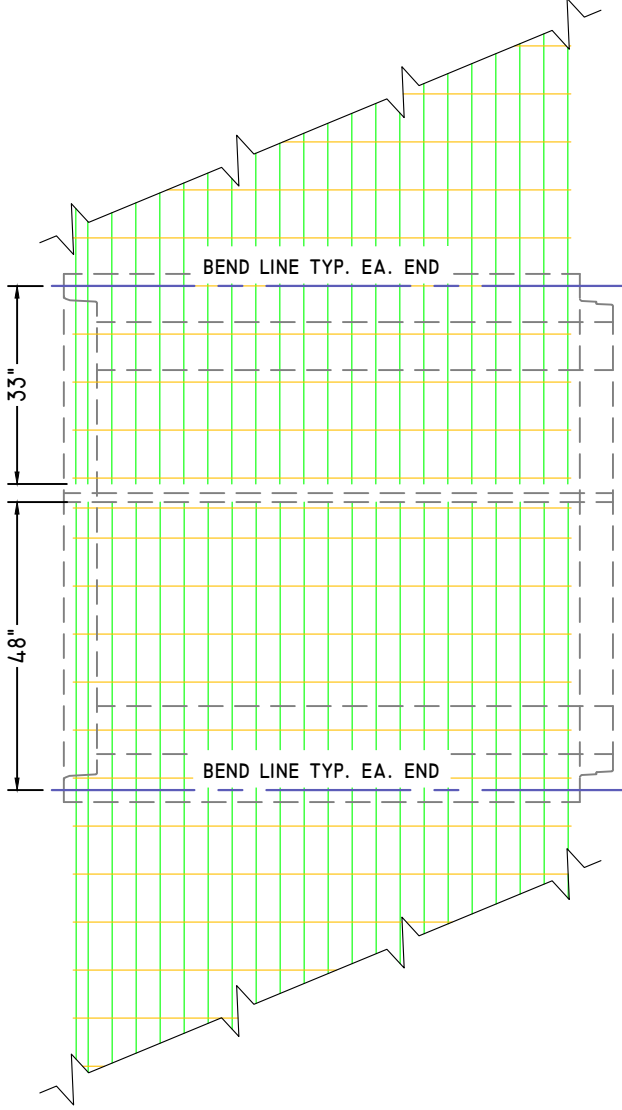
WELDED WIRE DETAILS



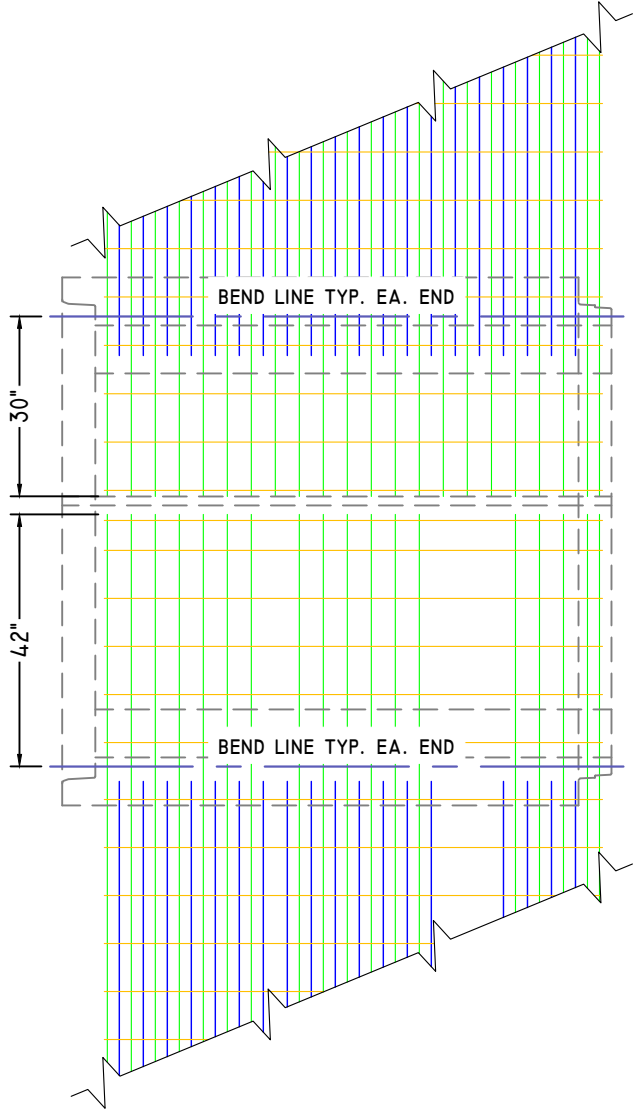
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BILL OF MATERIALS

ITEM	QTY	DESCRIPTION	WEIGHT# EA
INTENTIONALLY LEFT BLANK			



ALL SECTIONS, EXTERIOR



ALL SECTIONS, INTERIOR



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

STRUCTURE NAME:	CULVERT 4: 7' x 6' x 84' (STA. 135+33)
JOB NAME:	US ROUTE 1 (WIN 20421.10)
LOCATION:	VAN BUREN, ME
CONTRACTOR:	ME DOT

DRAWN BY:	DATE:
SSM	02/03/2023
REV.#:	DATE:
0.00	02/03/2023

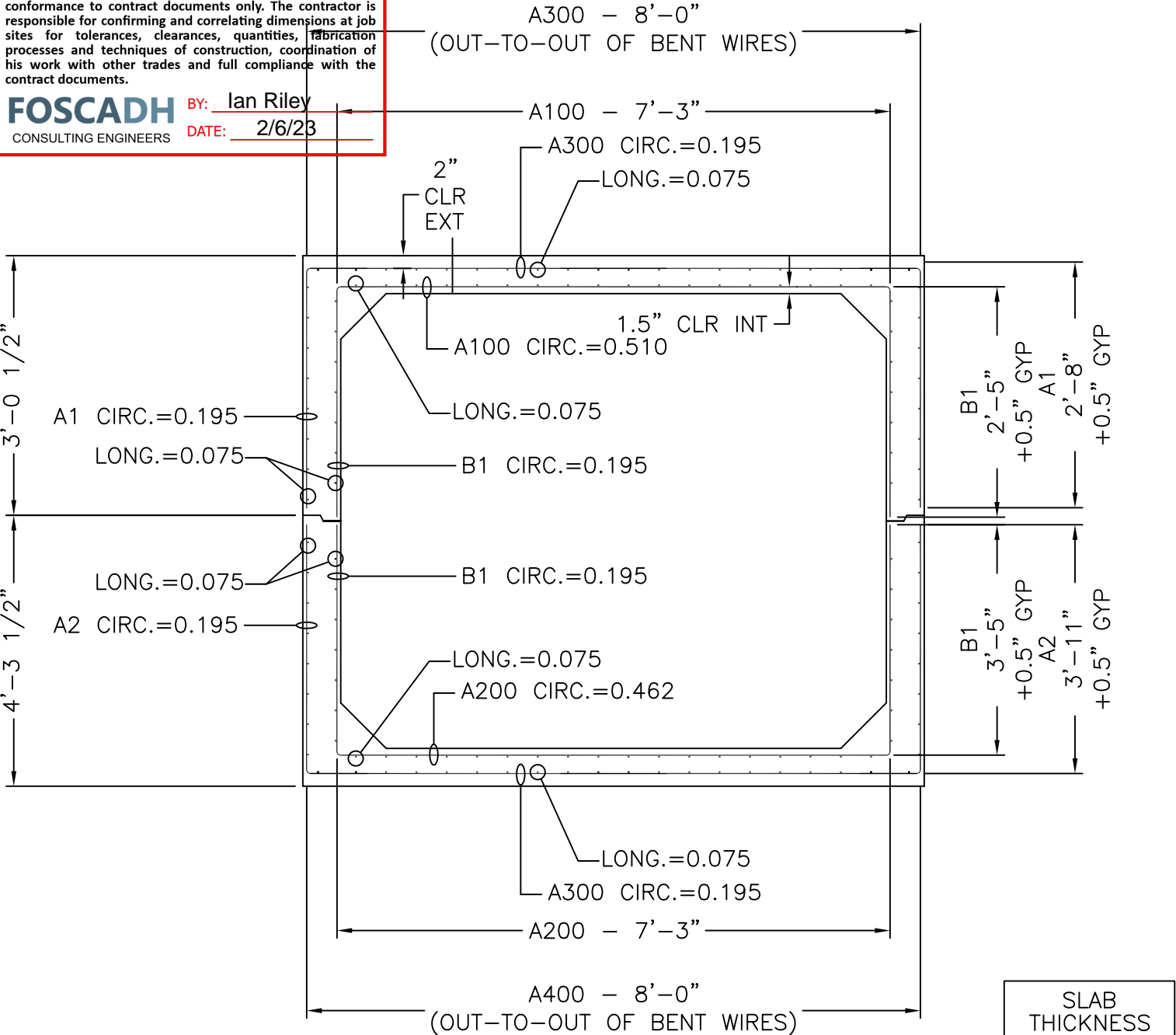
W4.0

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.

FOSCADH CONSULTING ENGINEERS
 BY: Ian Riley
 DATE: 2/6/23



7' x 6' x 6'-11 9/16"

CROSS SECTION WITH AREAS OF STEEL

SLAB THICKNESS	
TOP	8"
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 6'-11 9/16" JOINT = 455.4 lbs

BOX SIZE: 7' X 6' X 6'-11 9/16"	ASTM: HL-93	TABLE: 125%	FILL: -
------------------------------------	----------------	----------------	------------



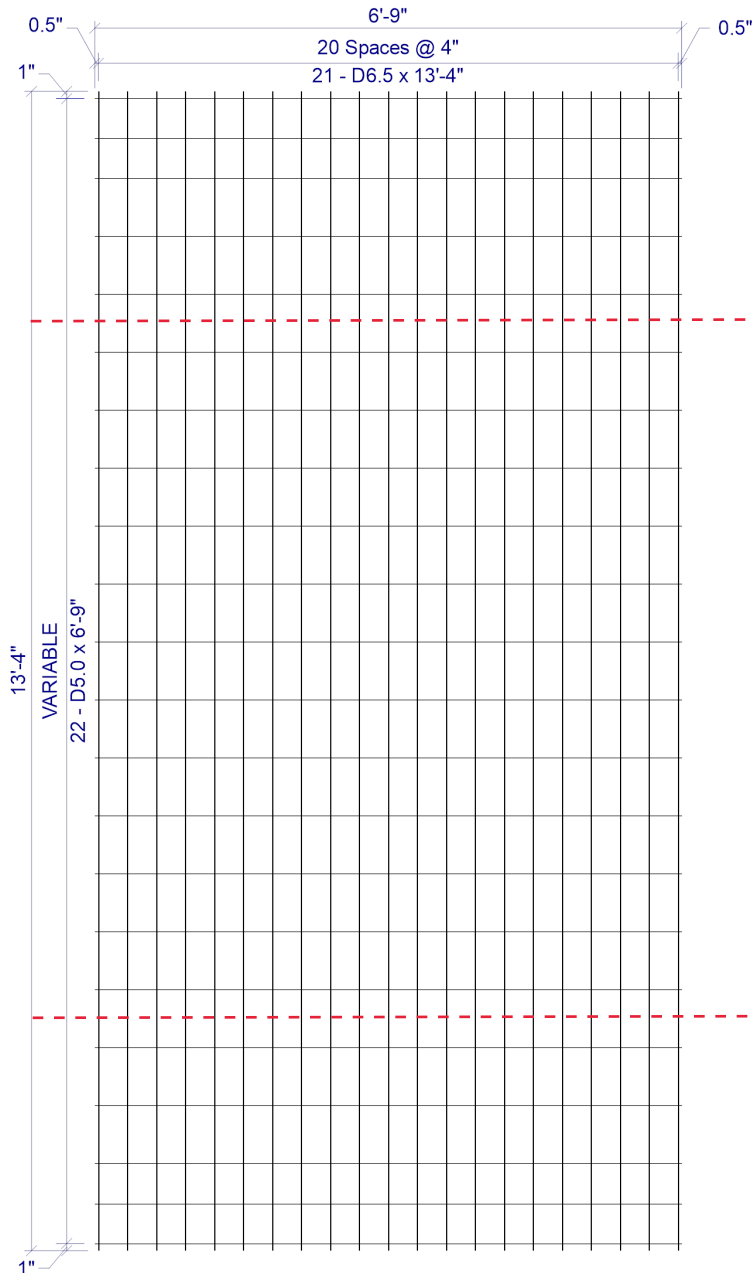
Concrete Reinforcements, Inc.
 3830 Presidents Way
 Jacksonville, FL 32220
 PH. 904-520-7100 FAX. 904-520-7101

CUSTOMER: AMERICAN CONCRETE	DRAWN BY: BWA	REVISION: -	SHEET DESCRIPTION: COVER	
PROJECT: 7' X 6' X 6'-11 9/16" VAN BUREN #4	DATE: 2/3/2023	REVISION DATE: -	FILE NAME: F22-4381	
CHECKED BY: BWA	SCALE: NTS	PROJECT #: F22-4381	SHEET #: 1 OF 5	

SHEET DESIGN



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4 x VAR D6.5 / D5.0 (GRADE 75) 80(+0.5, +0.5) x 13'-4" (1, 1)
 VAR = 1" OH, 2@5.5", 17@8", 2@5.5", 1" OH

CUSTOMER American Concrete
 PROJECT F22-4381 - Drawings - 7x6 Vanburen #4 - American - 1-23-2023
 LOCATION Veazie, ME
 DATE 02-02-2023 MARK NUMBER A1/A300 (-01)

L.W.SPAC 4"
 C.W.SPAC VAR
 L.W.1 SIZE D6.5
 L.W.2 SIZE N/A
 C.W.SIZE D5.0
 WIDTH 6'-9"
 LENGTH 13'-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	21	N/A	22
SIZE	D6.5	N/A	D5.0
LENGTH	13'-4"	-	6'-9"
W.T./SHEET			
SHEET W.T.	87.12#		
QUANTITY	12		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

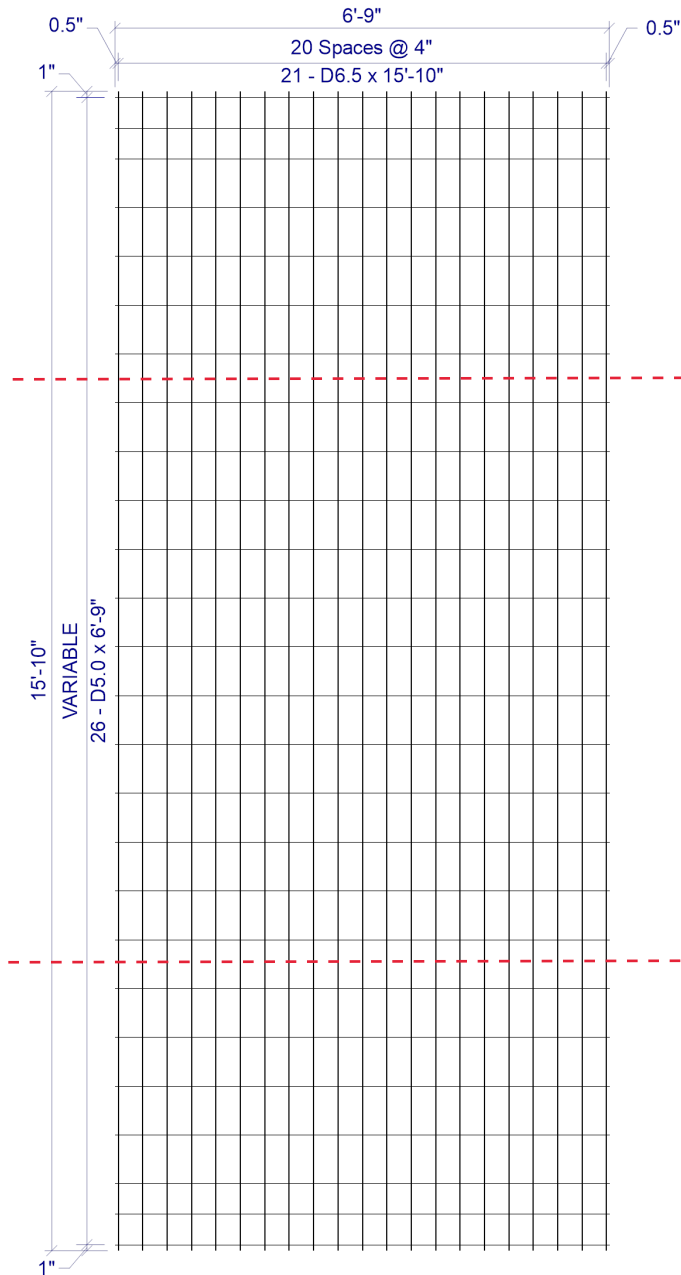
SPECIAL REMARKS:
 BEND DIMS: SLAB=96", WALLS=32" (+0.5"GYP)

APPROVED _____

SHEET DESIGN



Concrete Reinforcements, Inc.
 3830 Presidents Way • Jacksonville, FL 32220
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4 x VAR D6.5 / D5.0 (GRADE 75) 80(+0.5, +0.5) x 15'-10" (1, 1)
 VAR = 1" OH, 2@5", 21@8", 2@5", 1" OH

BEND LINE

BEND LINE

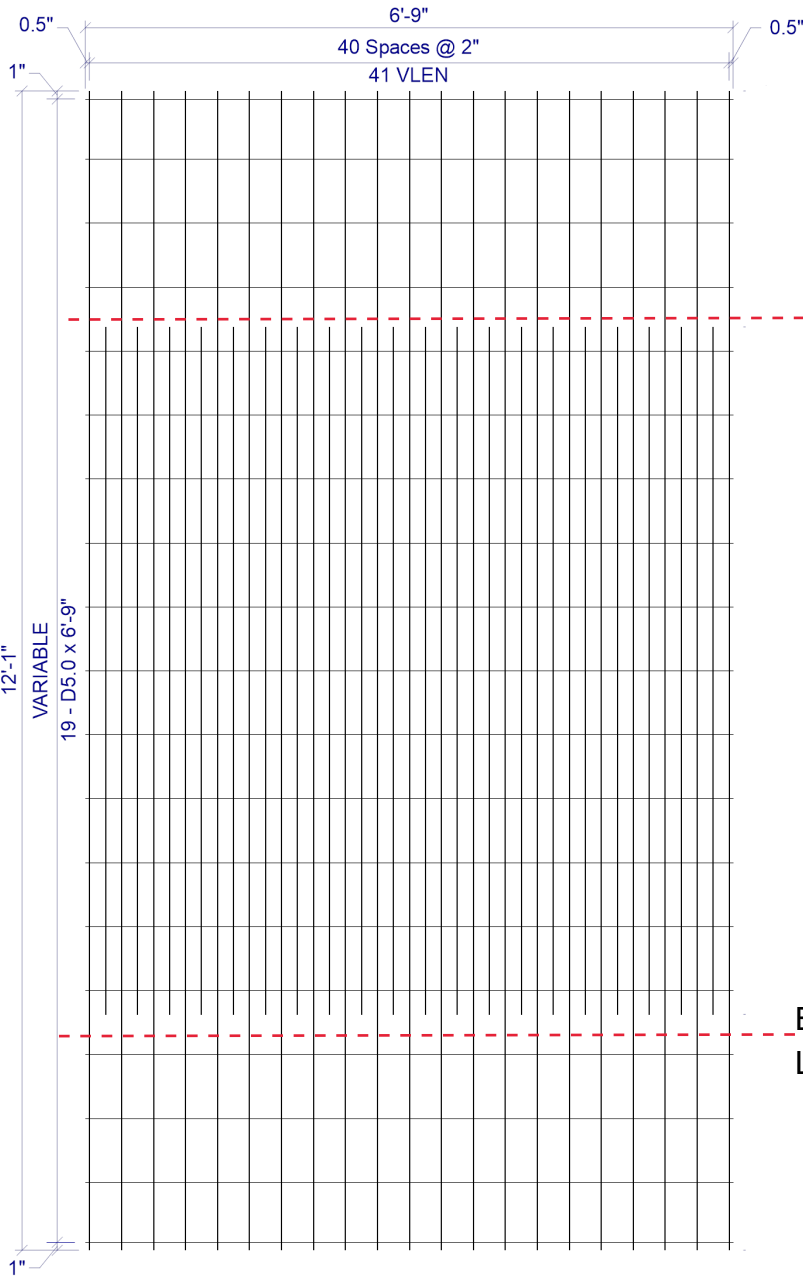
CUSTOMER American Concrete
 PROJECT F22-4381 - Drawings - 7x6 Vanburen #4 - American - 1-23-2023
 LOCATION Veazie, ME
 DATE 02-02-2023 MARK NUMBER A2/A400 (-02)

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 15'-10"
 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	21	N/A
SIZE	D6.5	N/A	D5.0
LENGTH	15'-10"	-	6'-9"
W.T./SHEET			
SHEET W.T.	103.32#		
QUANTITY	12		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

SPECIAL REMARKS:
 BEND DIMS: SLAB=96", WALLS=47" (+0.5"GYP)

APPROVED _____



SHEET DESIGN



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

CUSTOMER American Concrete

PROJECT F22-4381 - Drawings - 7x6 Vanburen #4 - American - 1-23-2023

LOCATION Veazie, ME

DATE 02-02-2023 MARK NUMBER B1/A100 (-03)

L.W.SPAC 2"

C.W.SPAC VAR

L.W.1 SIZE D6.5

L.W.2 SIZE D10.5

C.W.SIZE D5.0

WIDTH 6'-9"

LENGTH 12'-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	21	20
SIZE	D6.5	D10.5	D5.0
LENGTH	12'-1"	7'-2"	6'-9"
W.T./SHEET			
SHEET W.T.	129.05#		
QUANTITY	12		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

SPECIAL REMARKS:
 BEND DIMS: SLAB=87", WALLS=29" (+0.5"GYP)

2 x VAR D6.5 / D10.5 / D5.0 (GRADE 75) 80"(+0.5", +0.5") x VLEN(1", 1")

VLEN = ALTERNATING LENGTH 7'-2" & 12'-1" WITH 12'-1" @ LHS & RHS

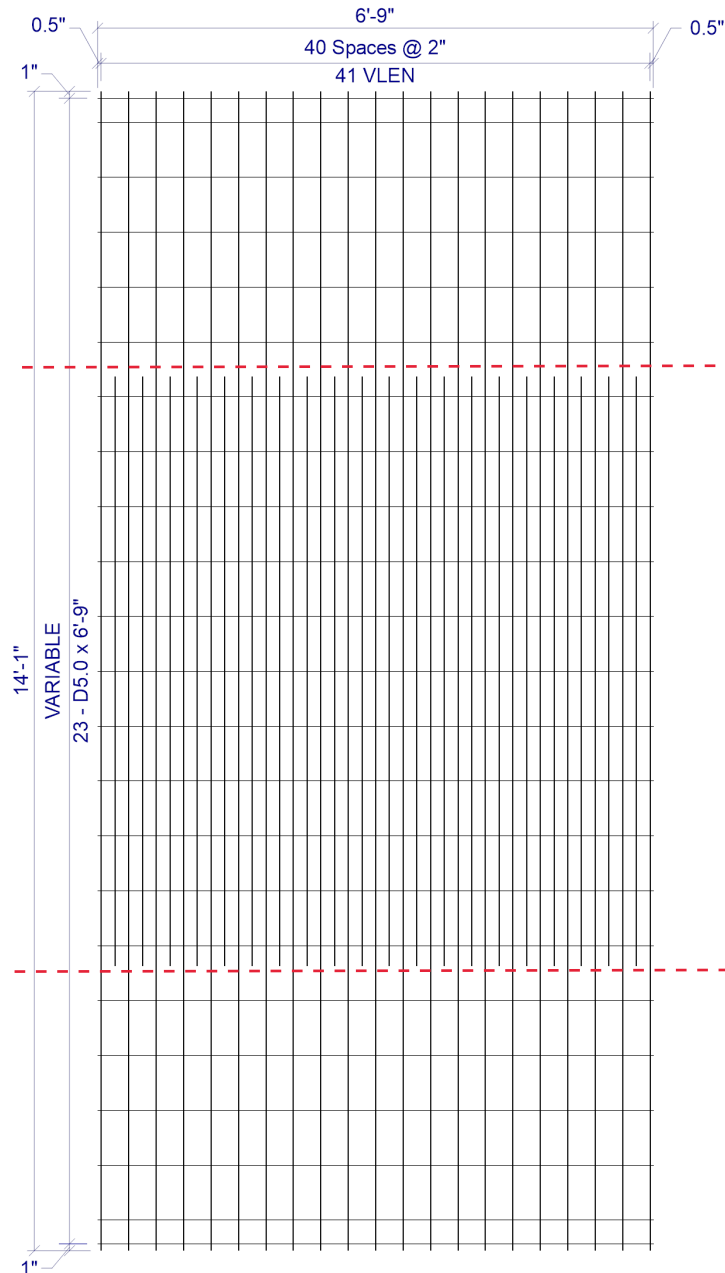
VAR = 1" OH, 1@7.5", 16@8", 1@7.5", 1" OH

APPROVED _____

SHEET DESIGN



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



BEND LINE

BEND LINE

CUSTOMER American Concrete
 PROJECT F22-4381 - Drawings - 7x6 Vanburen #4 - American - 1-23-2023
 LOCATION Veazie, ME
 DATE 02-02-2023 MARK NUMBER B1/A200 (-04)

L.W.SPACE 2"
 C.W.SPACE VAR
 L.W.1 SIZE D6.5
 L.W.2 SIZE D8.9
 C.W.SIZE D5.0
 WIDTH 6'-9"
 LENGTH 14'-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	21	20
SIZE	D6.5	D8.9	D5.0
LENGTH	14'-1"	7'-2"	6'-9"
W.T./SHEET			
SHEET W.T.	135.70#		
QUANTITY	12		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

SPECIAL REMARKS:
 BEND DIMS: SLAB=87", WALLS=41" (+0.5"GYP)

2 x VAR D6.5 / D8.9 / D5.0 (GRADE 75) 80"(+0.5", +0.5") x VLEN(1", 1")
 VLEN = ALTERNATING LENGTH 7'-2" & 14'-1" WITH 14'-1" @ LHS & RHS
 VAR = 1" OH, 1@3.5", 20@8", 1@3.5", 1" OH

APPROVED _____

OVERALL



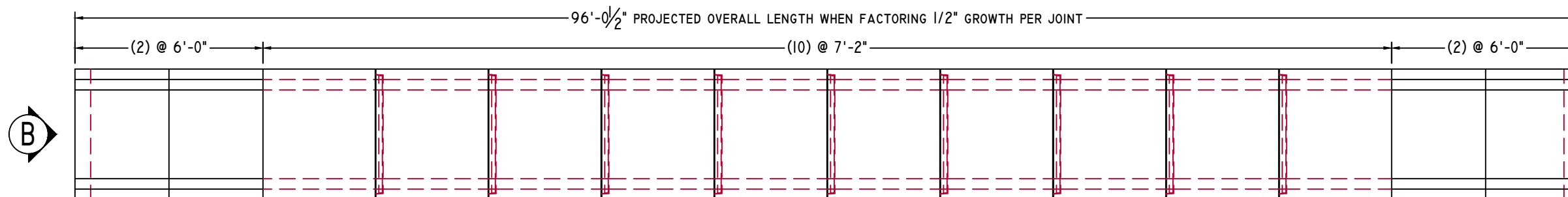
American Concrete Industries

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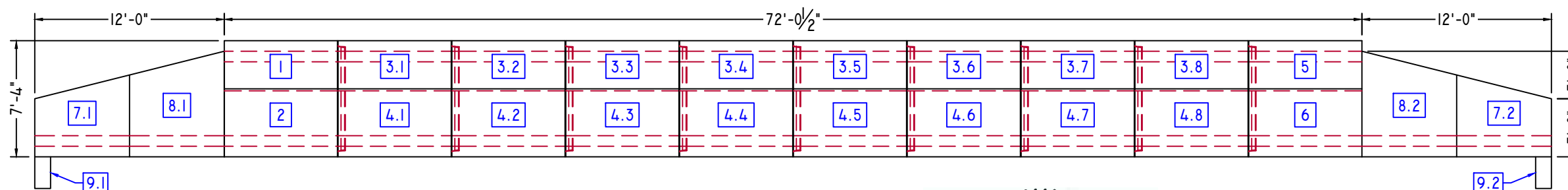
TEL: 207-947-8334

FAX: 207-947-3580

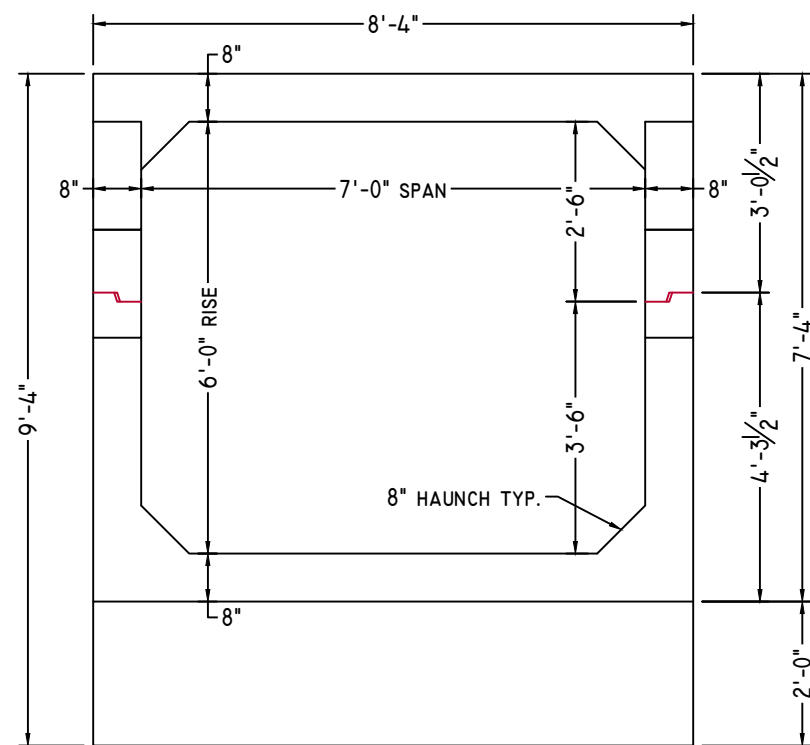
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PLAN VIEW

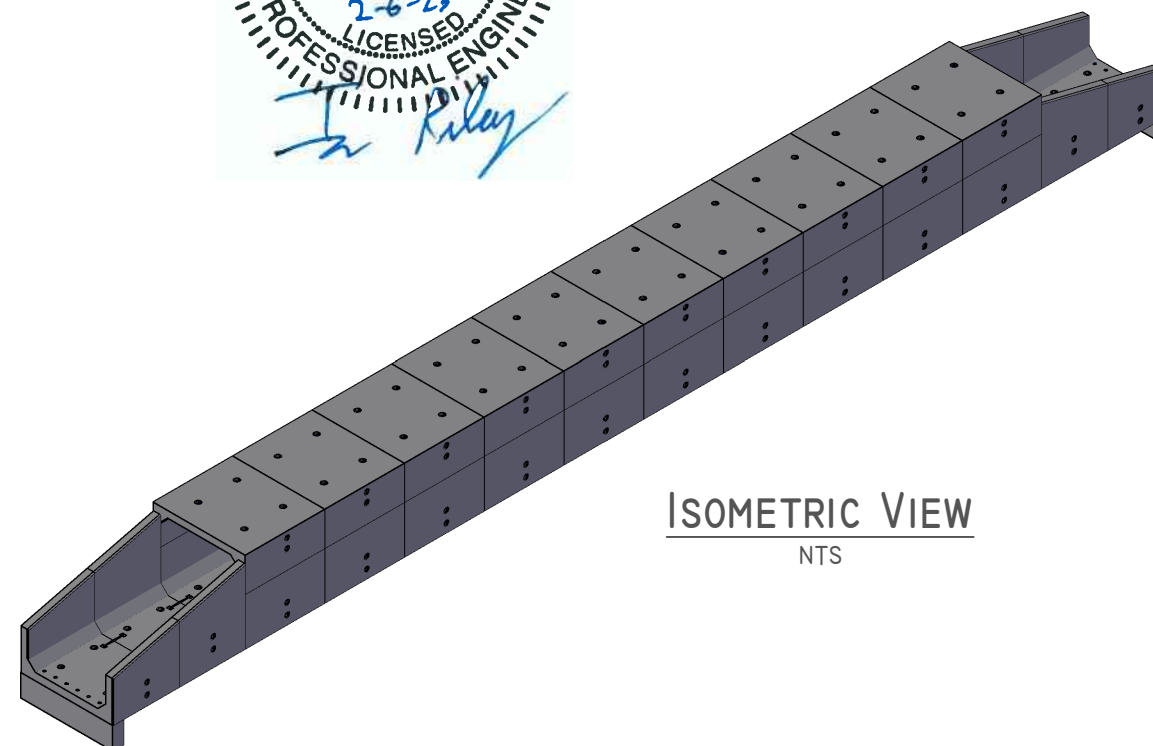
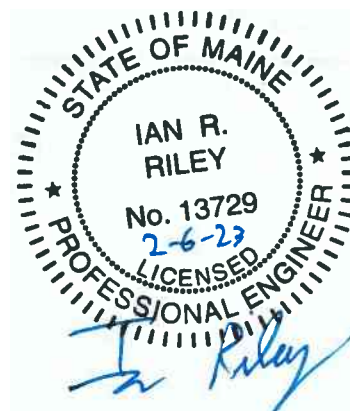


ELEVATION-A



ELEVATION-B

3/8" = 1'-0"



ISOMETRIC VIEW

NTS

BILL OF MATERIALS

ITEM	QTY	DESCRIPTION	WEIGHT# EA
1	1	UPSTREAM END TOP	10,140
2	1	UPSTREAM END BOTTOM	11,780
3	8	MID SECTION TOP	9,875
4	8	MID SECTION BOTTOM	11,490
5	1	DOWNSTREAM END TOP	9,640
6	1	DOWNSTREAM END BOTTOM	11,200
7	2	SLOPED END 1	9,825
8	2	SLOPED END 2	11,635
9	2	1' x 2' x 8'-4" TOEWALL	2,495
10	12	#8 x 18" TOEWALL PIN (SHIPPED LOOSE)	

DESIGN NOTES:

- Concrete**
 - 1.1. COMP. STRENGTH MIN. 5,000PSI @ 28 DAYS
 - 1.2. AIR-ENTRAINMENT: 5.5% MIN - 7.5% 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 (WHEN REQUIRED.)
 - 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. JOINTS SEALED WITH BUTYL RUBBER SEALANT.
 - 3.2. ALL JOINTS FILLED W/ NON-SHRINK GROUT AFTER INSTALLATION.
 - 3.3. STANDARD BOLT POCKETS W/ 3/4"Ø GALVANIZED HARDWARE USED TO HOLD SECTIONS WITH FLAT JOINTS TOGETHER.
- Soil / Fill Requirements:**

MINIMUM ALLOWABLE FILL: 2.75'

MAXIMUM ALLOWABLE FILL: 3.25'

NOTE: Some details not shown for clarity.

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

STRUCTURE NAME: CULVERT I: 7' x 6' x 96' (STA. 33+63.3)	
JOB NAME: US ROUTE I (WIN 20421.10)	
LOCATION: VAN BUREN, ME	
CONTRACTOR: ME DOT	
DRAWN BY: SSM	DATE: 01/25/2023
REV.#: 0.00	DATE: 01/25/2023

CI.0

SLOPED END I



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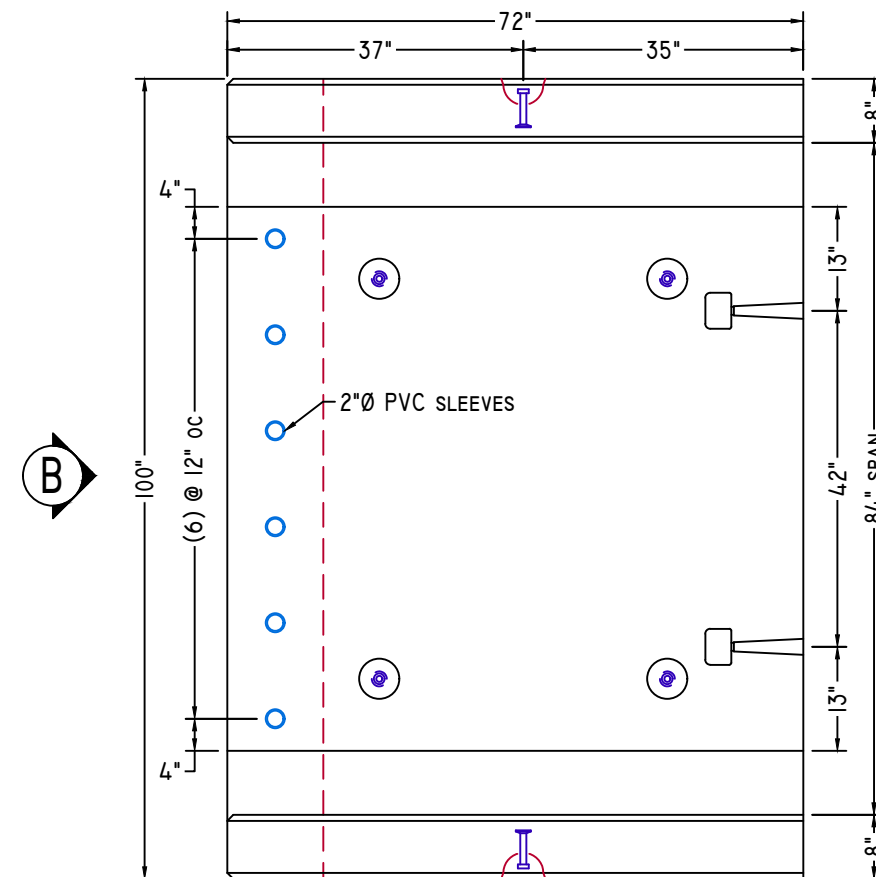
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BILL OF MATERIALS

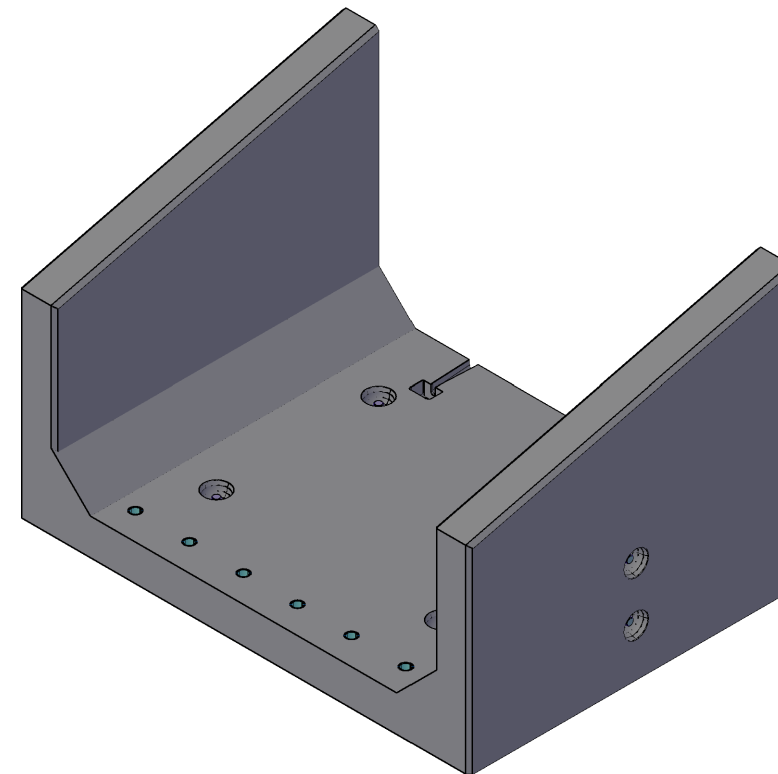
ITEM	QTY	DESCRIPTION	WEIGHT# EA
7	2	SLOPED END I	9,825

DESIGN NOTES:

1. **Concrete**
 - 1.1. COMP. STRENGTH MIN. 5,000PSI @ 28 DAYS
 - 1.2. AIR-ENTRAINMENT: 5.5% MIN - 7.5% 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 (WHEN REQUIRED.)
 - 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. JOINTS SEALED WITH BUTYL RUBBER SEALANT.
 - 3.2. ALL JOINTS FILLED W/ NON-SHRINK GROUT AFTER INSTALLATION.
 - 3.3. STANDARD BOLT POCKETS W/ 3/4"Ø GALVANIZED HARDWARE USED TO HOLD SECTIONS WITH FLAT JOINTS TOGETHER.
4. **Soil / Fill Requirements:**
 - MINIMUM ALLOWABLE FILL: 2.75'
 - MAXIMUM ALLOWABLE FILL: 3.25'

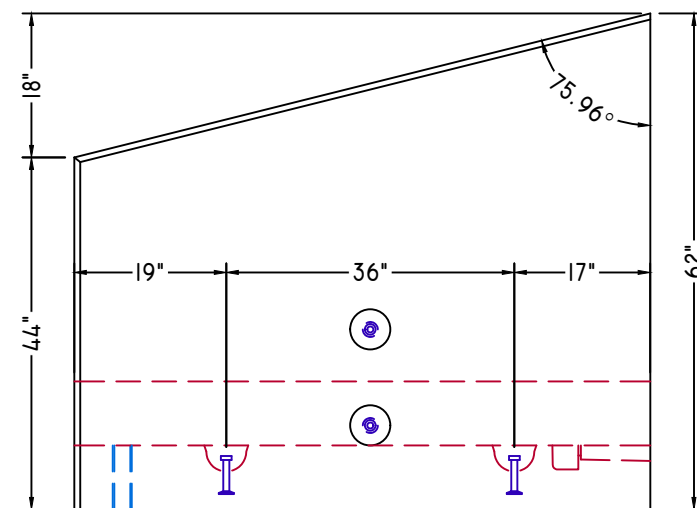


PLAN VIEW

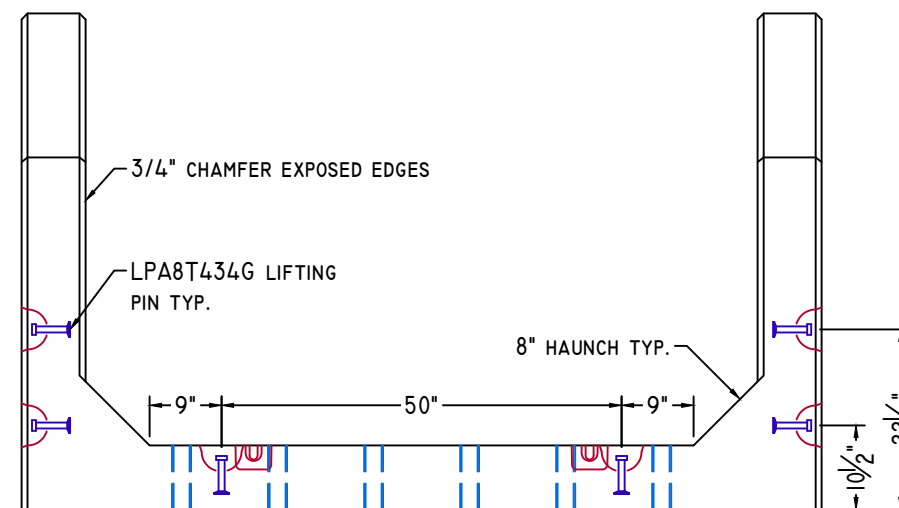


ISOMETRIC VIEW

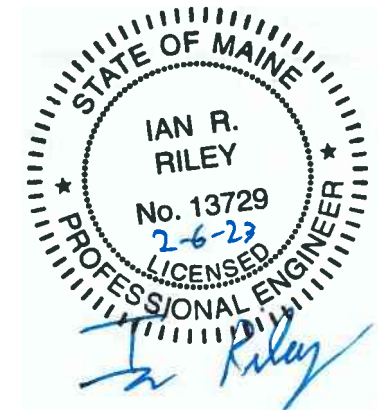
NTS



ELEVATION-A



ELEVATION-B



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

STRUCTURE NAME:	CULVERT I: 7' x 6' x 96' (STA. 33+63.3)
JOB NAME:	US ROUTE I (WIN 20421.10)
LOCATION:	VAN BUREN, ME
CONTRACTOR:	ME DOT

DRAWN BY:	DATE:	CI.1
SSM	01/25/2023	
REV.#:	DATE:	
0.00	01/25/2023	

SLOPED END 2



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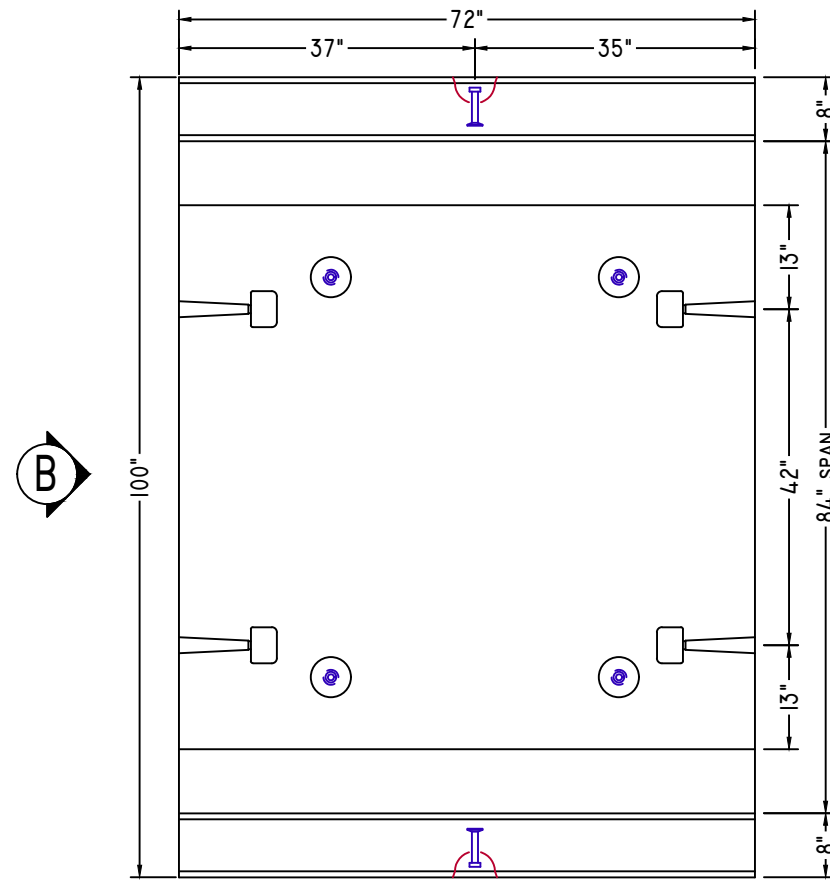
BILL OF MATERIALS

ITEM	QTY	DESCRIPTION	WEIGHT# EA
8	2	SLOPED END 2	11,635

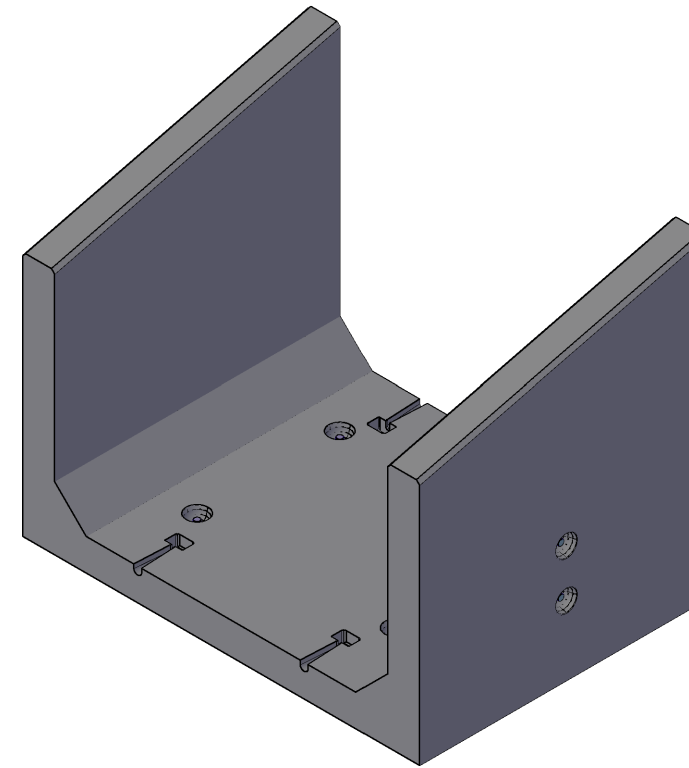
DESIGN NOTES:

1. **Concrete**
 - 1.1. COMP. STRENGTH MIN. 5,000PSI @ 28 DAYS
 - 1.2. AIR-ENTRAINMENT: 5.5% MIN - 7.5% 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 (WHEN REQUIRED.)
 - 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. JOINTS SEALED WITH BUTYL RUBBER SEALANT.
 - 3.2. ALL JOINTS FILLED W/ NON-SHRINK GROUT AFTER INSTALLATION.
 - 3.3. STANDARD BOLT POCKETS W/ 3/4"Ø GALVANIZED HARDWARE USED TO HOLD SECTIONS WITH FLAT JOINTS TOGETHER.
4. **Soil / Fill Requirements:**

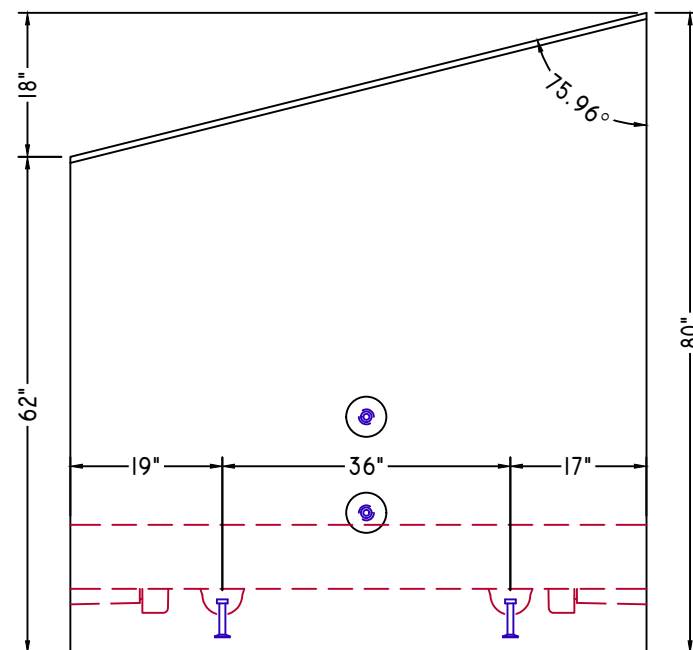
MINIMUM ALLOWABLE FILL: 2.75'
 MAXIMUM ALLOWABLE FILL: 3.25'



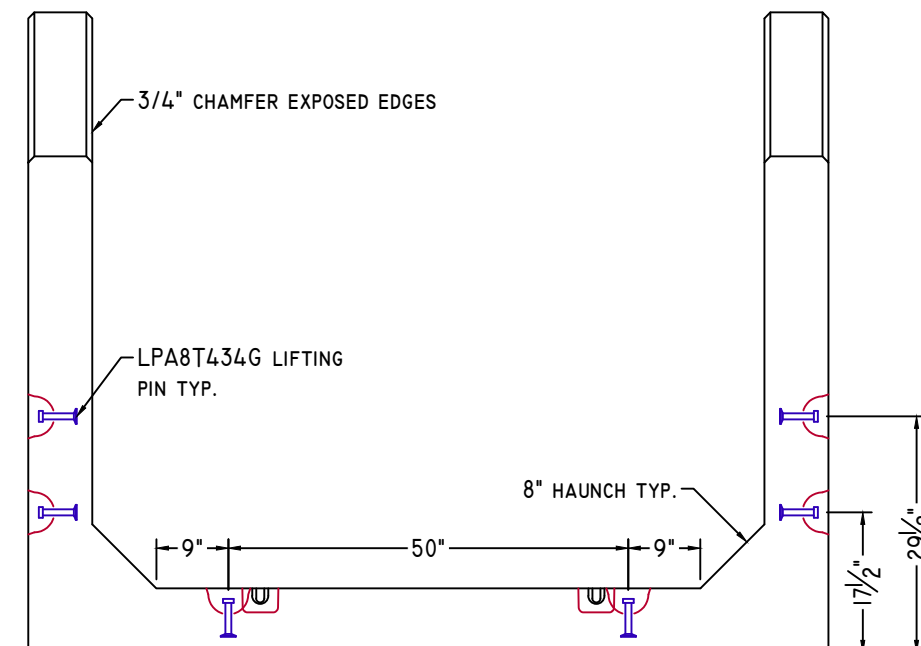
PLAN VIEW



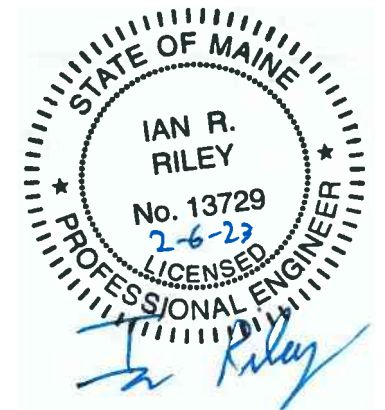
ISOMETRIC VIEW
NTS



ELEVATION-A



ELEVATION-B



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

STRUCTURE NAME: CULVERT I: 7' x 6' x 96' (STA. 33+63.3)	
JOB NAME: US ROUTE I (WIN 20421.10)	
LOCATION: VAN BUREN, ME	
CONTRACTOR: ME DOT	

DRAWN BY: SSM	DATE: 01/25/2023
REV.#: 0.00	DATE: 01/25/2023

CI.2

UPSTREAM END



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BILL OF MATERIALS

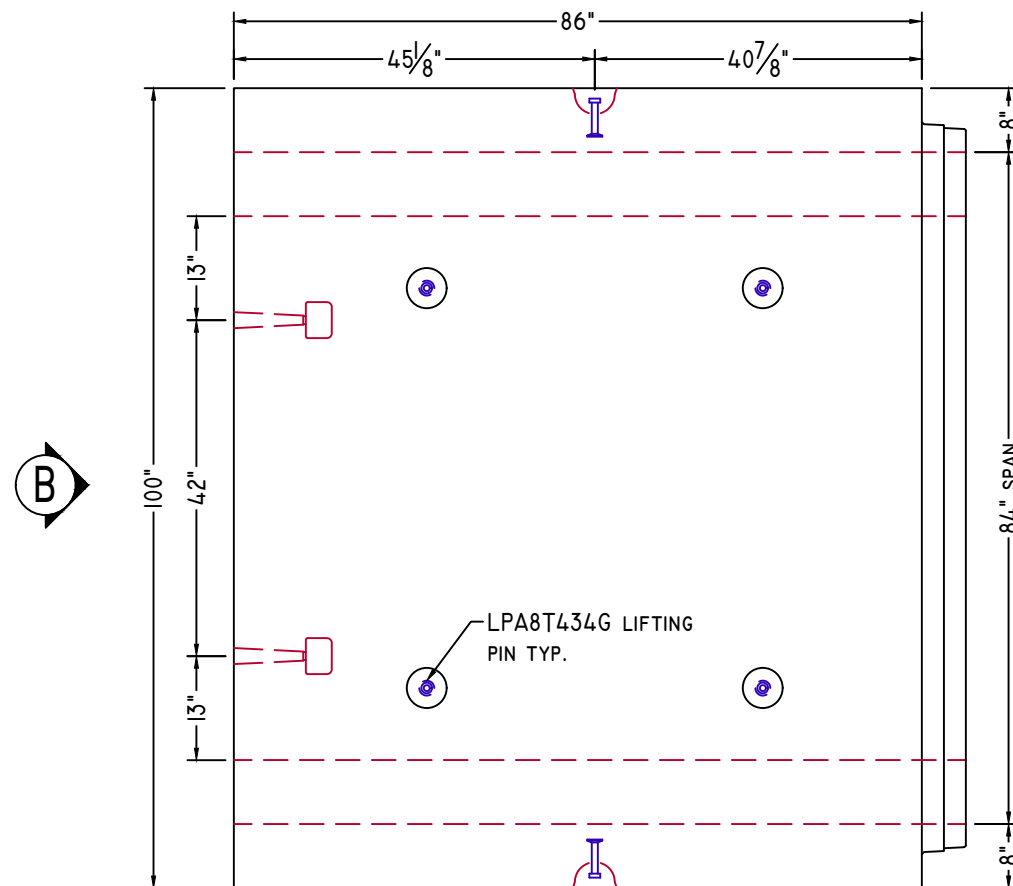
ITEM	QTY	DESCRIPTION	WEIGHT# EA
1	1	UPSTREAM END TOP	10,140
2	1	UPSTREAM END BOTTOM	11,780

DESIGN NOTES:

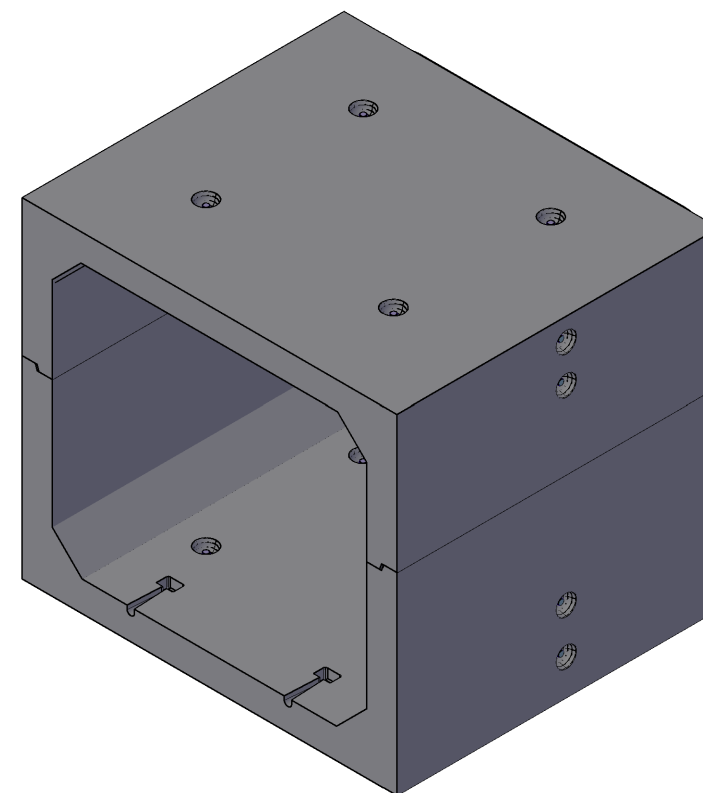
- Concrete**
 - 1.1. COMP. STRENGTH MIN. 5,000PSI @ 28 DAYS
 - 1.2. AIR-ENTRAINMENT: 5.5% MIN - 7.5% MAX
- Structural Reinforcement:**
 - 2.1. BAR PER ASTM A615, GRADE 60
 - 2.2. WWF PER ASTM A1064, GRADE 75
 - 2.3. SUPPLEMENTAL REINFORCING AS SHOWN (WHEN REQUIRED.)
 - 2.4. DESIGNED FOR 125% HL-93 WHEEL LOAD RATING
 - 2.5. 2" CLR EXT., 1 1/2" CLR INT. UNLESS NOTED OTHERWISE
- Manufacturing / Installation:**
 - 3.1. JOINTS SEALED WITH BUTYL RUBBER SEALANT.
 - 3.2. ALL JOINTS FILLED W/ NON-SHRINK GROUT AFTER INSTALLATION.
 - 3.3. STANDARD BOLT POCKETS W/ 3/4"Ø GALVANIZED HARDWARE USED TO HOLD SECTIONS WITH FLAT JOINTS TOGETHER.
- Soil / Fill Requirements:**

MINIMUM ALLOWABLE FILL: 2.75'

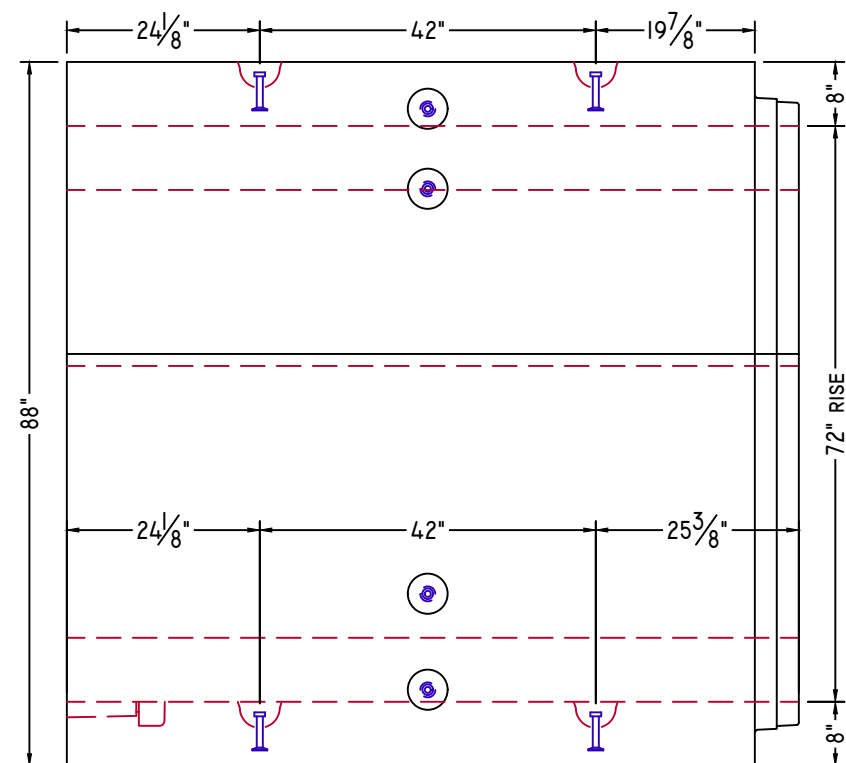
MAXIMUM ALLOWABLE FILL: 3.25'



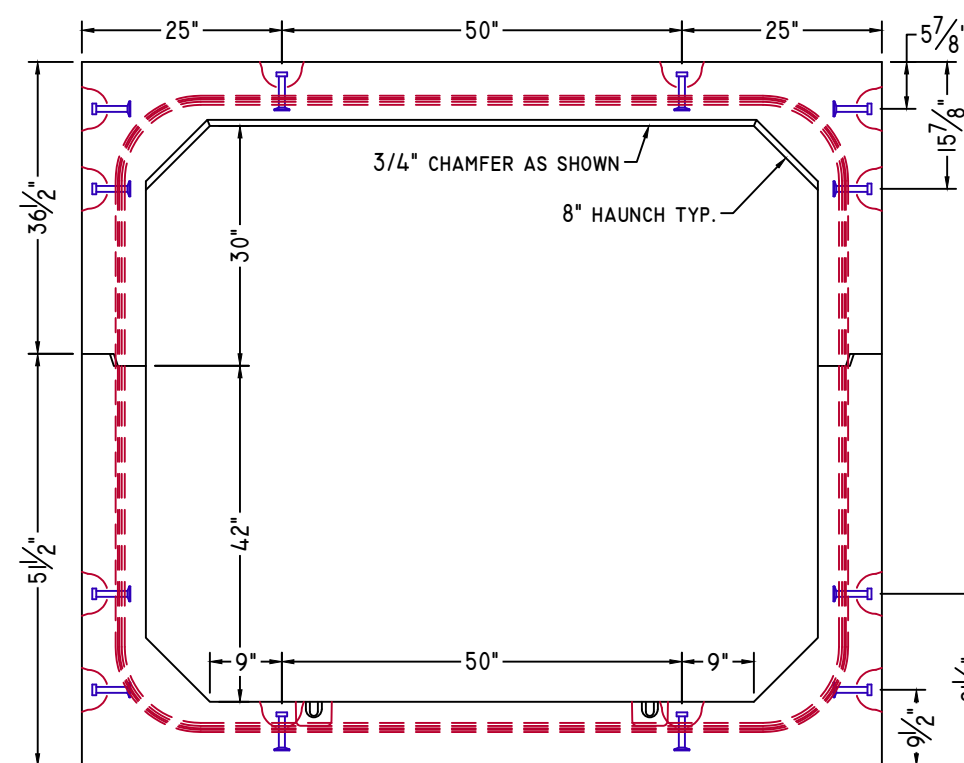
PLAN VIEW



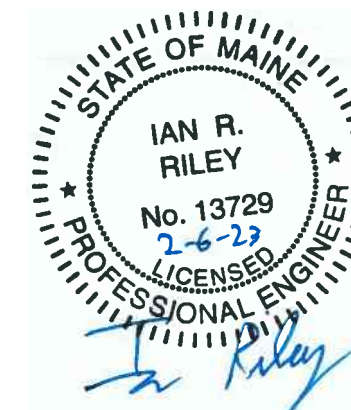
ISOMETRIC VIEW
NTS



ELEVATION-A



ELEVATION-B



NOTE: Some details not shown for clarity.

SCALE: 1/2" = 1'-0" Unless noted otherwise.

STRUCTURE NAME:
CULVERT I: 7' x 6' x 96' (STA. 33+63.3)

JOB NAME:
US ROUTE I (WIN 20421.10)

LOCATION:
VAN BUREN, ME

CONTRACTOR:
ME DOT

DRAWN BY: SSM DATE: 01/25/2023

REV.#: 0.00 DATE: 01/25/2023

CI.3

MID SECTION



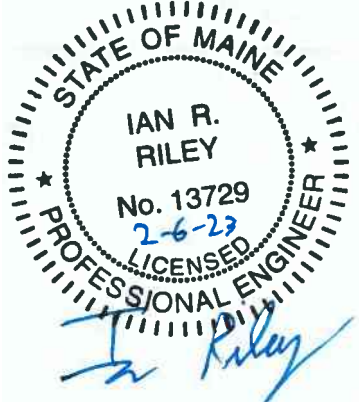
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BILL OF MATERIALS

ITEM	QTY	DESCRIPTION	WEIGHT# EA
3	8	MID SECTION TOP	9,875
4	8	MID SECTION BOTTOM	11,490

- DESIGN NOTES:
- Concrete**
 - 1.1. COMP. STRENGTH MIN. 5,000PSI @ 28 DAYS
 - 1.2. AIR-ENTRAINMENT: 5.5% MIN - 7.5% 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 (WHEN REQUIRED.)
 - 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. JOINTS SEALED WITH BUTYL RUBBER SEALANT.
 - 3.2. ALL JOINTS FILLED W/ NON-SHRINK GROUT AFTER INSTALLATION.
 - 3.3. STANDARD BOLT POCKETS W/ 3/4"Ø GALVANIZED HARDWARE USED TO HOLD SECTIONS WITH FLAT JOINTS TOGETHER.
 - Soil / Fill Requirements:**

MINIMUM ALLOWABLE FILL: 2.75'
 MAXIMUM ALLOWABLE FILL: 3.25'



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

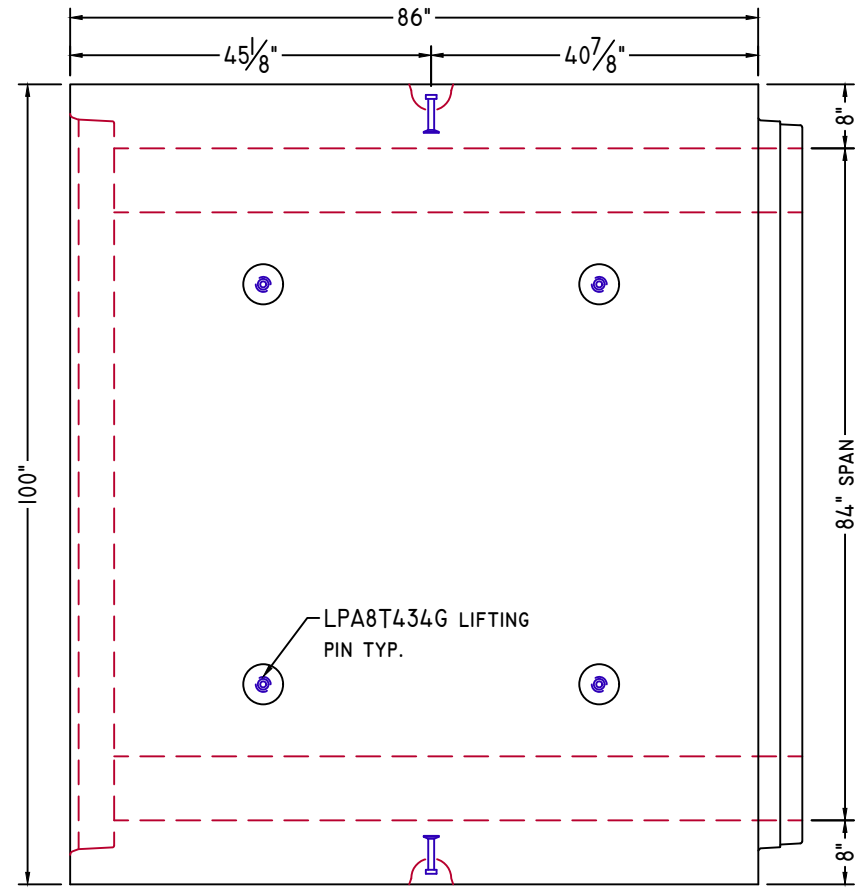
STRUCTURE NAME:
 CULVERT I: 7' x 6' x 96' (STA. 33+63.3)

JOB NAME:
 US ROUTE I (WIN 20421.10)

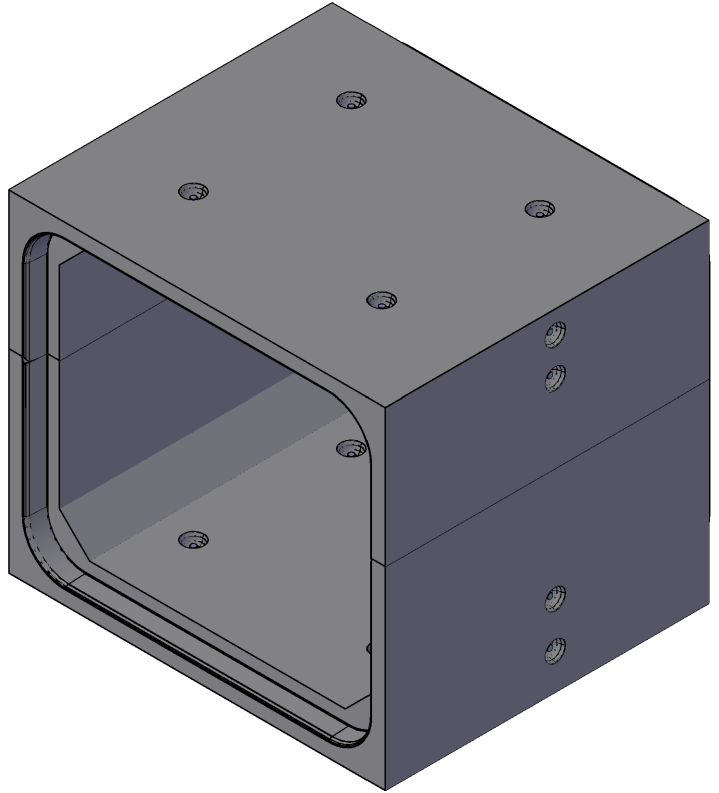
LOCATION:
 VAN BUREN, ME

CONTRACTOR:
 ME DOT

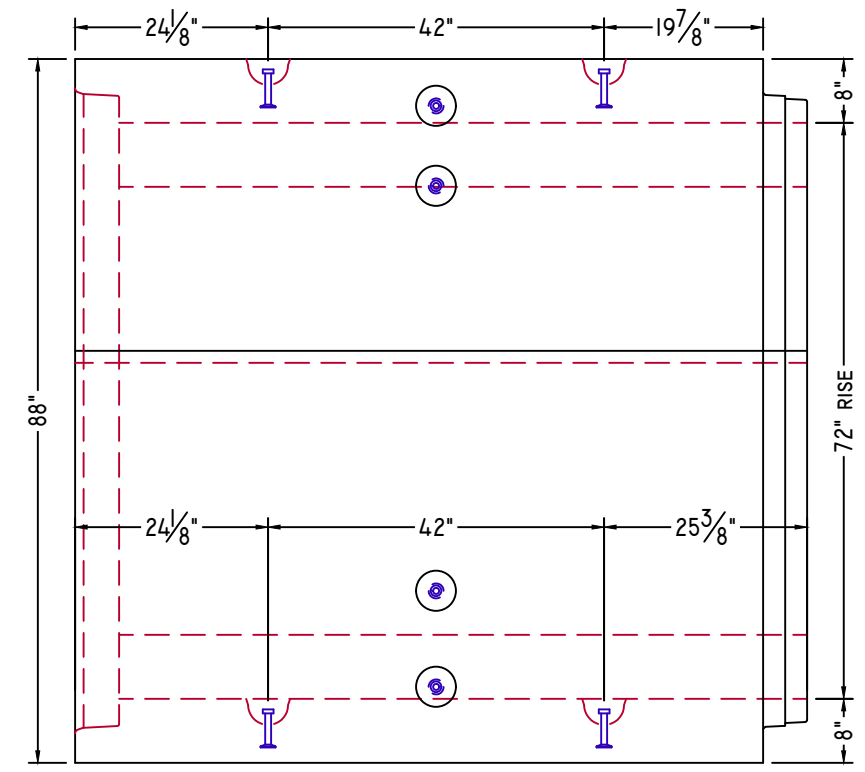
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REV.#: 0.00	DATE: 01/25/2023	



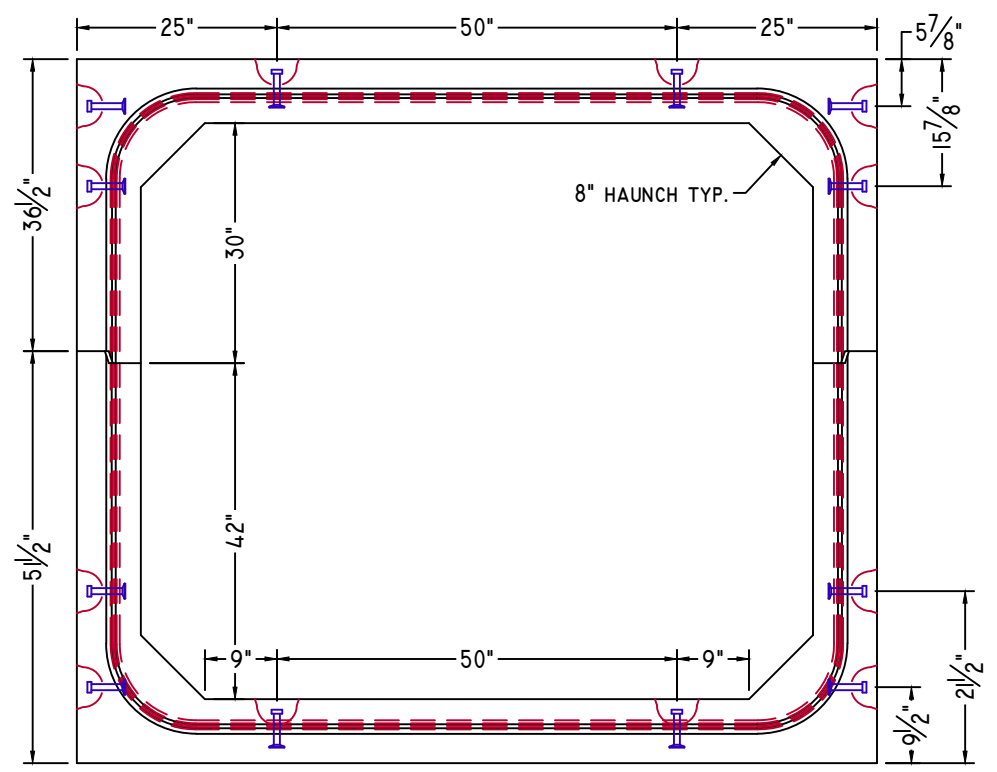
PLAN VIEW



ISOMETRIC VIEW
 NTS



ELEVATION-A



ELEVATION-B

DOWNSTREAM END



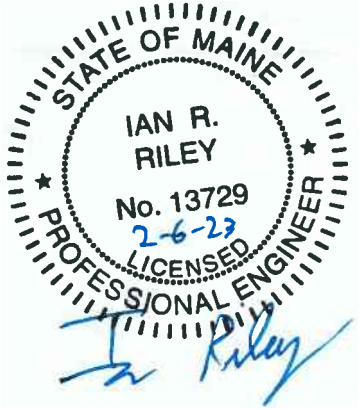
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 FAX: 207-947-3580
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BILL OF MATERIALS

ITEM	QTY	DESCRIPTION	WEIGHT# EA
5	1	DOWNSTREAM END TOP	9,640
6	1	DOWNSTREAM END BOTTOM	11,200

- DESIGN NOTES:
- Concrete**
 - 1.1. COMP. STRENGTH MIN. 5,000PSI @ 28 DAYS
 - 1.2. AIR-ENTRAINMENT: 5.5% MIN - 7.5% 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 (WHEN REQUIRED.)
 - 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. JOINTS SEALED WITH BUTYL RUBBER SEALANT.
 - 3.2. ALL JOINTS FILLED W/ NON-SHRINK GROUT AFTER INSTALLATION.
 - 3.3. STANDARD BOLT POCKETS W/ 3/4"Ø GALVANIZED HARDWARE USED TO HOLD SECTIONS WITH FLAT JOINTS TOGETHER.
 - Soil / Fill Requirements:**

MINIMUM ALLOWABLE FILL: 2.75'
 MAXIMUM ALLOWABLE FILL: 3.25'



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

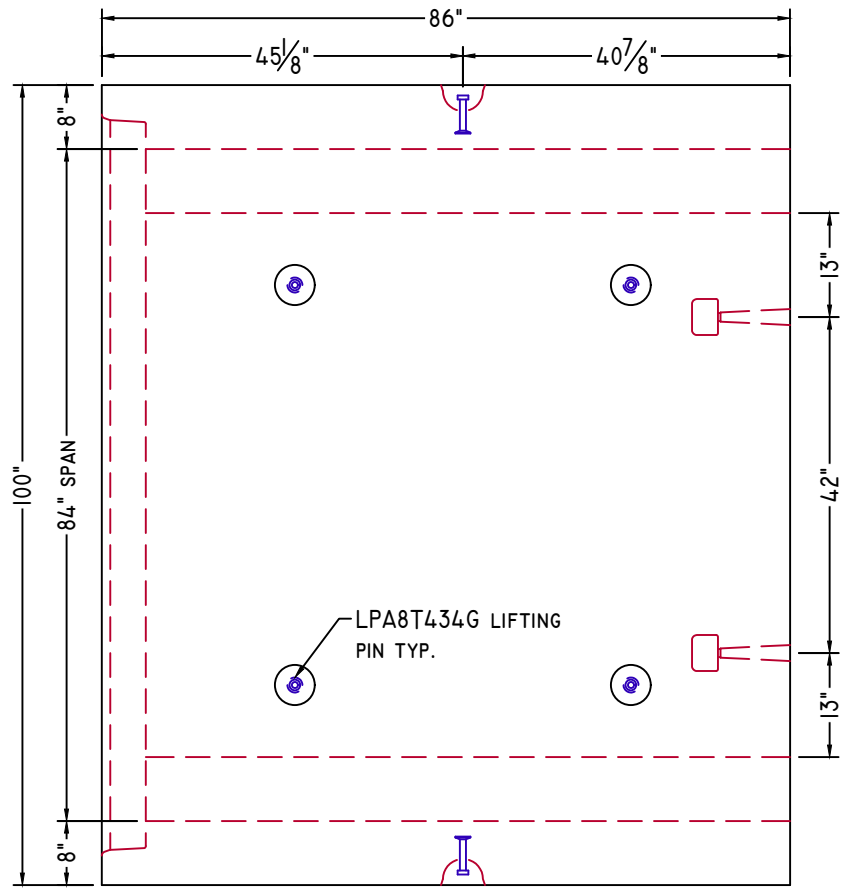
STRUCTURE NAME:
 CULVERT I: 7' x 6' x 96' (STA. 33+63.3)

JOB NAME:
 US ROUTE I (WIN 20421.10)

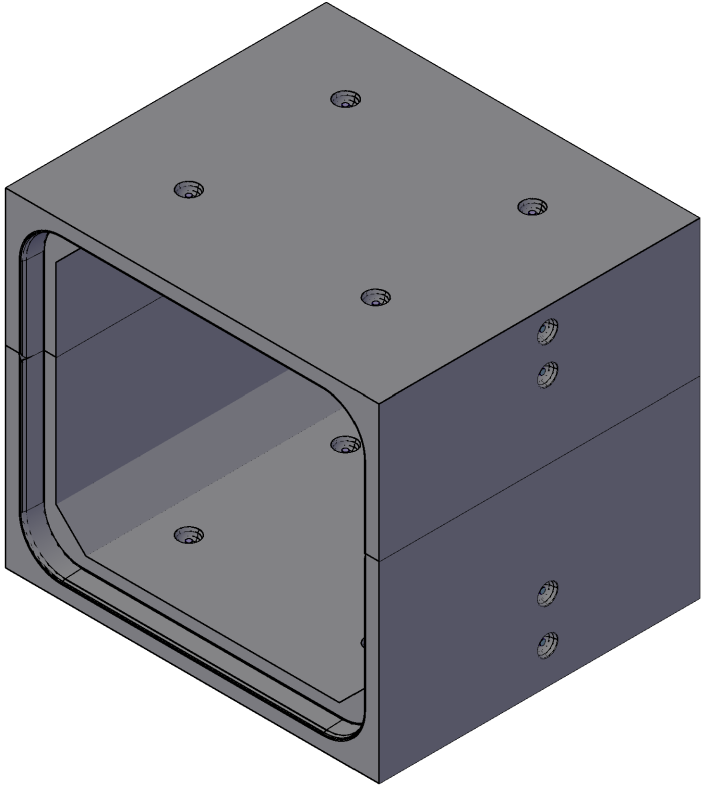
LOCATION:
 VAN BUREN, ME

CONTRACTOR:
 ME DOT

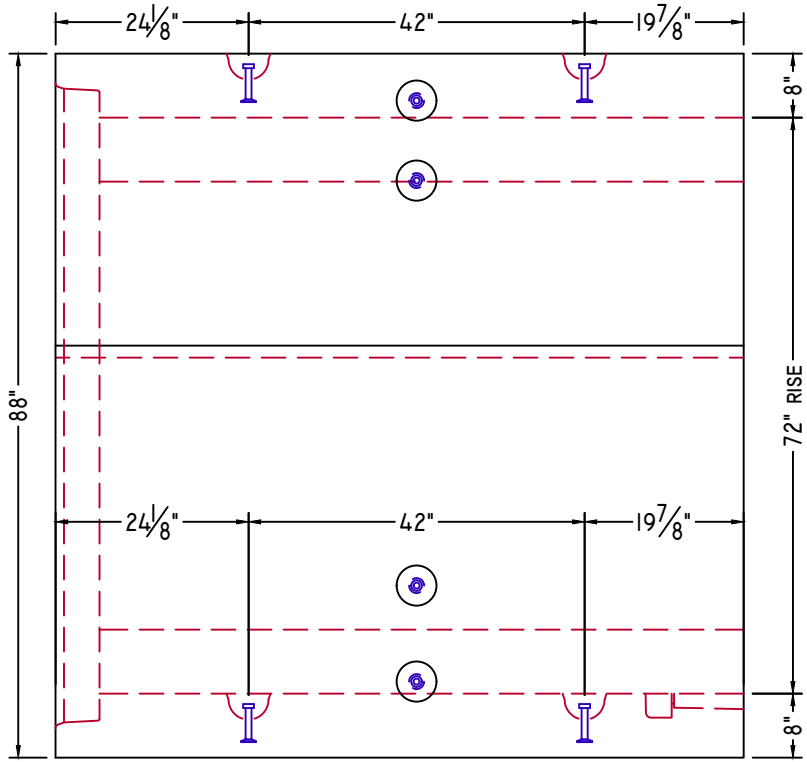
DRAWN BY: SSM	DATE: 01/25/2023	CI.5
REV.#: 0.00	DATE: 01/25/2023	



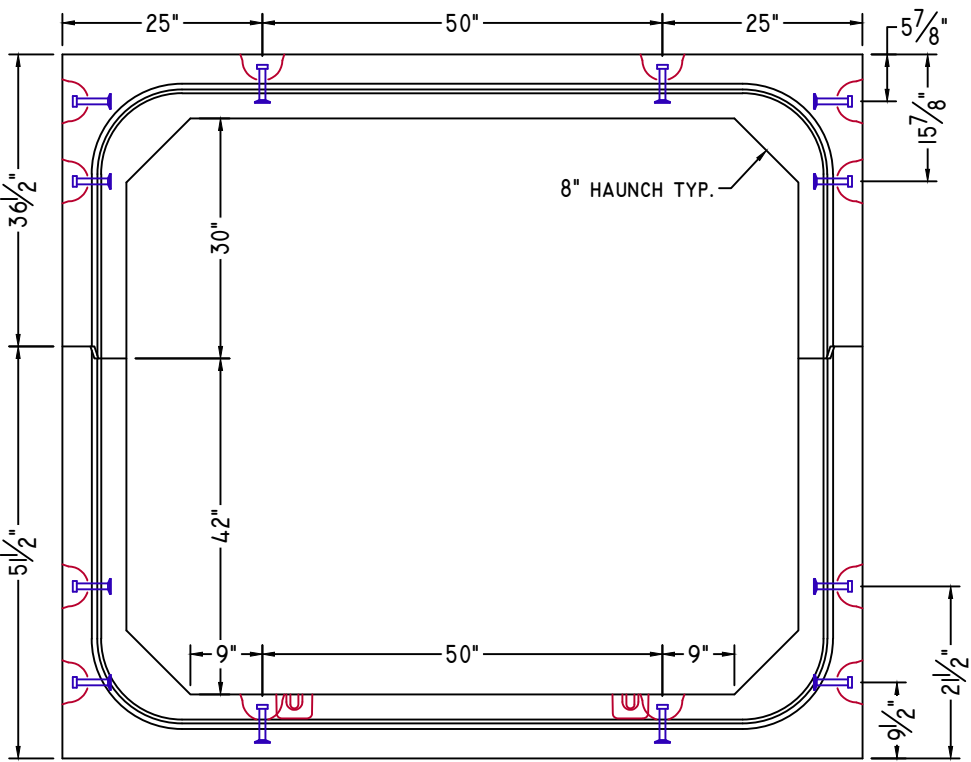
PLAN VIEW



ISOMETRIC VIEW
NTS



ELEVATION-A



ELEVATION-B

STANDARD DETAILS



American Concrete Industries

1717 STILLWATER AVE. VEAZIE, ME. 04401

TEL: 207-947-8334

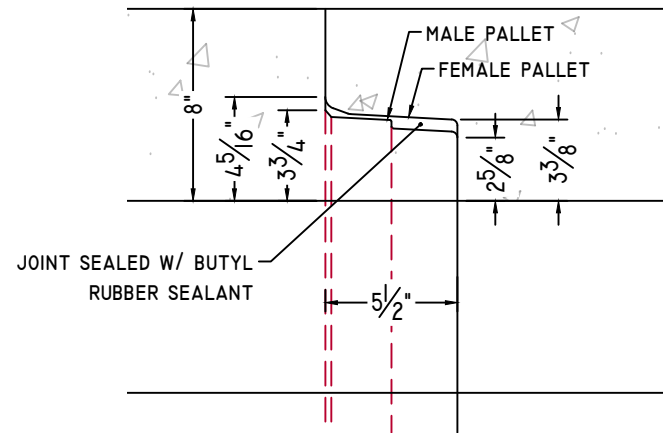
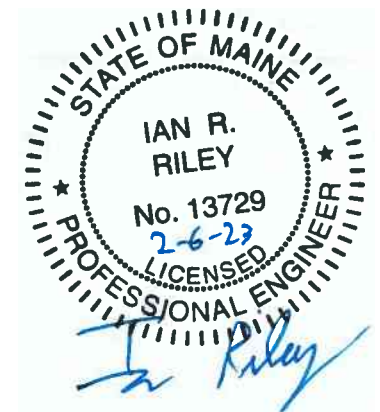
FAX: 207-947-3580

WWW.AMERICANCONCRETE.COM

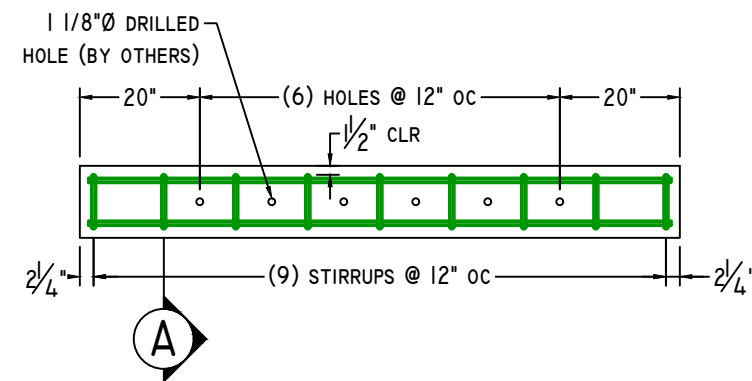
BILL OF MATERIALS

ITEM	QTY	DESCRIPTION	WEIGHT# EA
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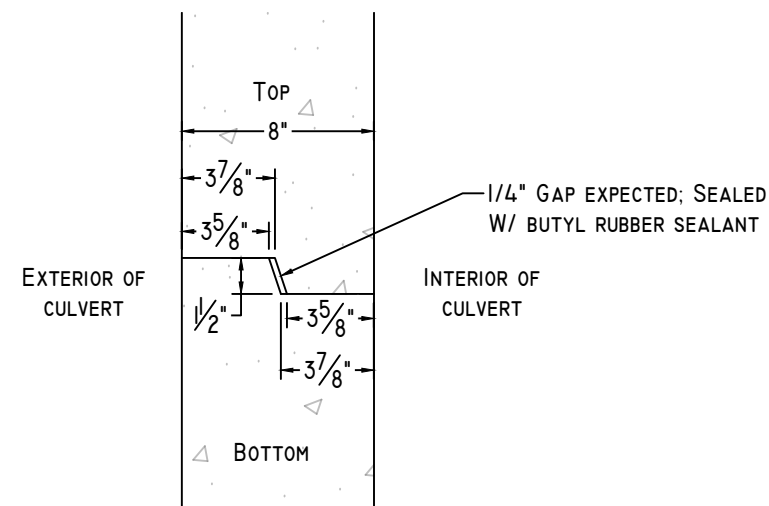


CULVERT JOINT DETAIL

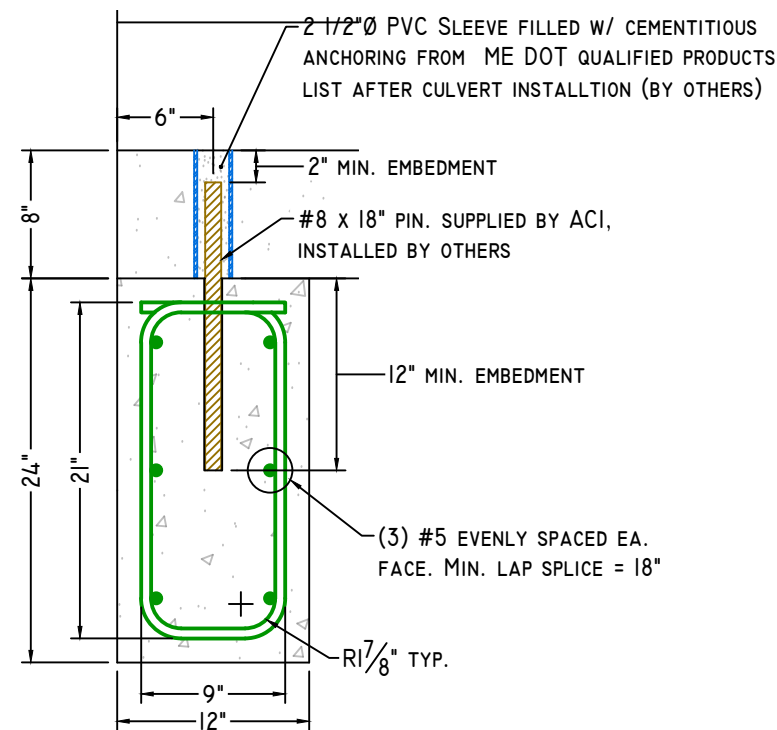


TOEWALL DETAIL

3/8" = 1'-0"

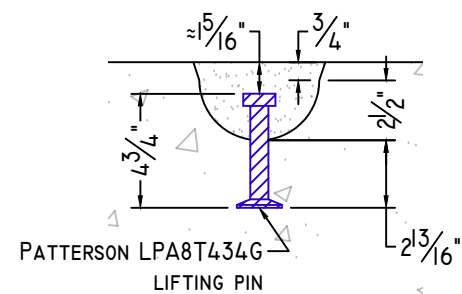


CLAMSHELL JOINT DETAIL



SECTION-A

1" = 1'-0"



8T 4 3/4" LIFTING PIN DETAIL

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

STRUCTURE NAME:	CULVERT I: 7' x 6' x 96' (STA. 33+63.3)
JOB NAME:	US ROUTE I (WIN 20421.10)
LOCATION:	VAN BUREN, ME
CONTRACTOR:	ME DOT

DRAWN BY:	DATE:	DI.0
SSM	01/25/2023	
REV.#:	DATE:	
0.00	01/25/2023	

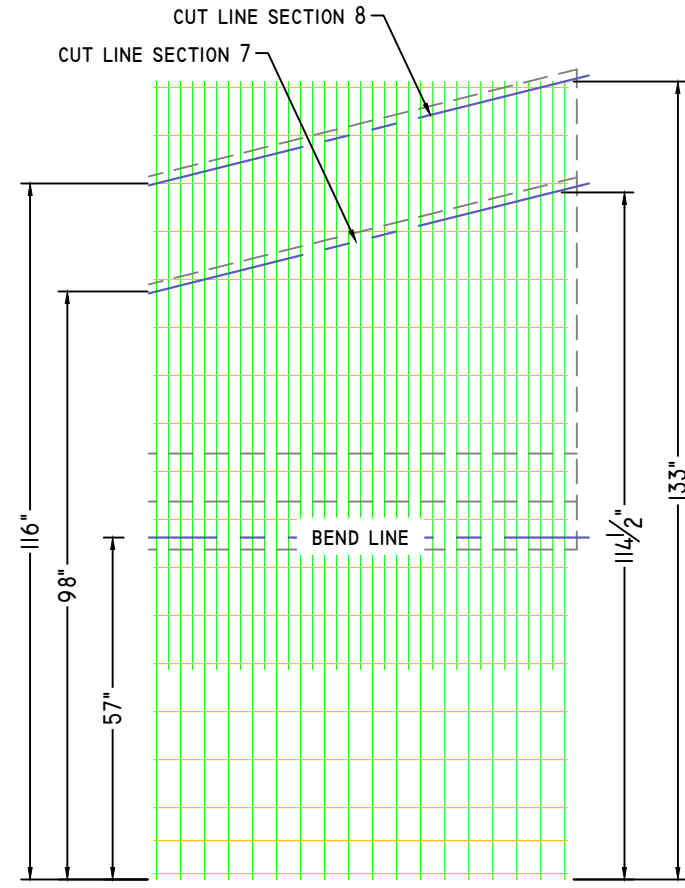
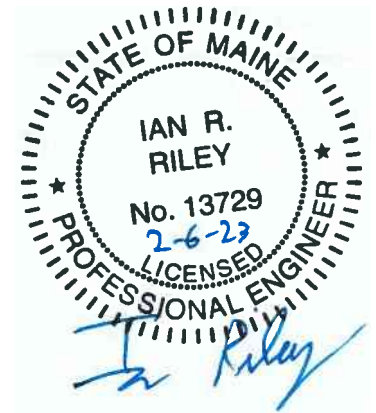
WELDED WIRE DETAILS



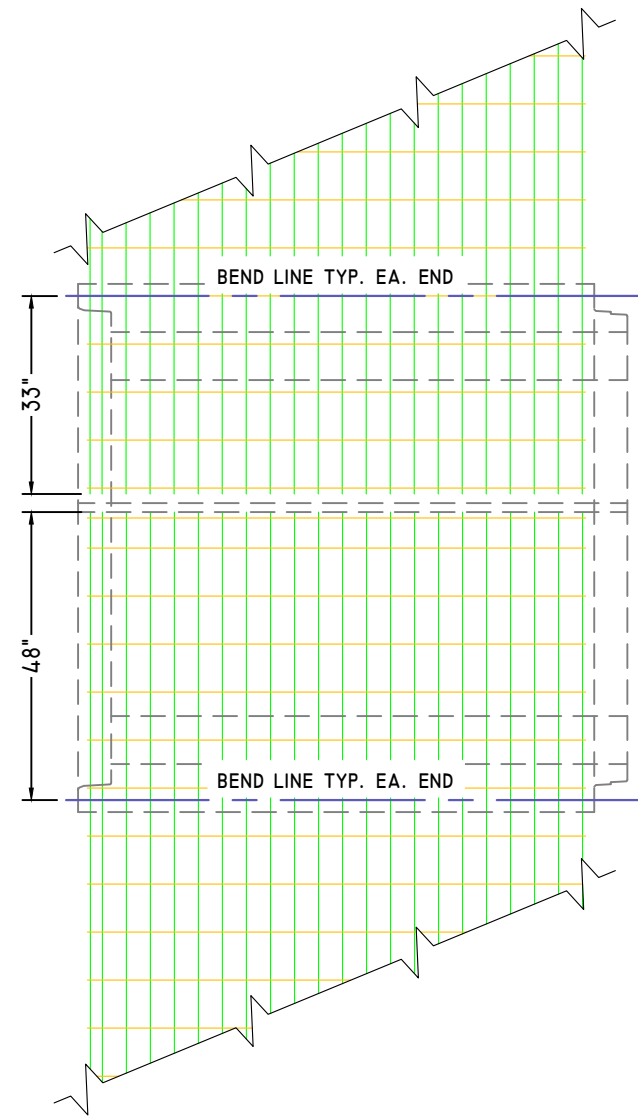
American Concrete Industries
 1717 STILLWATER AVE. VEAZIE, ME. 04401
 TEL: 207-947-8334
 FAX: 207-947-3580
 WWW.AMERICANCONCRETE.COM

BILL OF MATERIALS

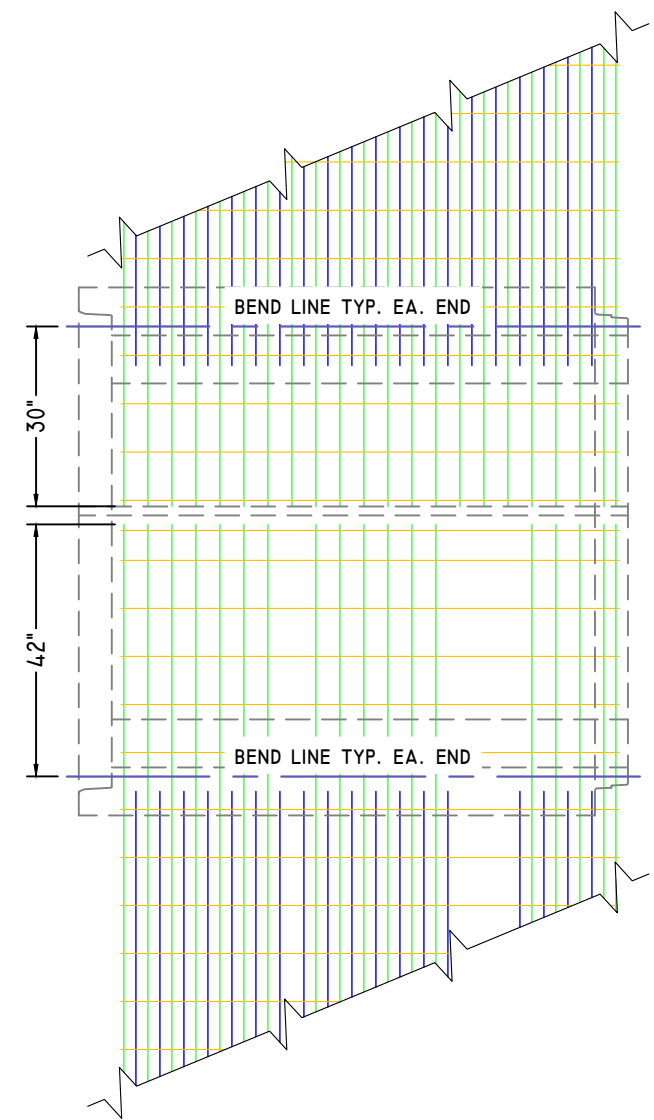
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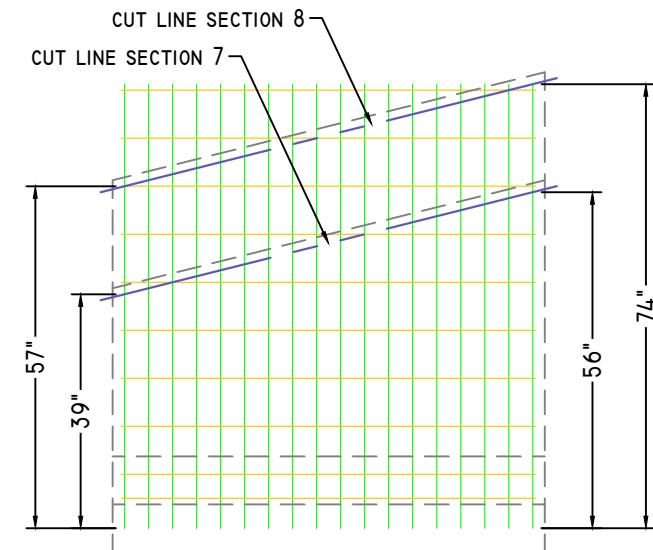
WWF SECTION 7, 8 EXT.



ALL BOX SECTIONS, EXTERIOR



ALL BOX SECTIONS, INTERIOR



WWF SECTION 7, 8 INT.

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

STRUCTURE NAME:	CULVERT I: 7' x 6' x 96' (STA. 33+63.3)	
JOB NAME:	US ROUTE I (WIN 20421.10)	
LOCATION:	VAN BUREN, ME	
CONTRACTOR:	ME DOT	

DRAWN BY:	DATE:
SSM	01/25/2023
REV.#:	DATE:
0.00	01/25/2023

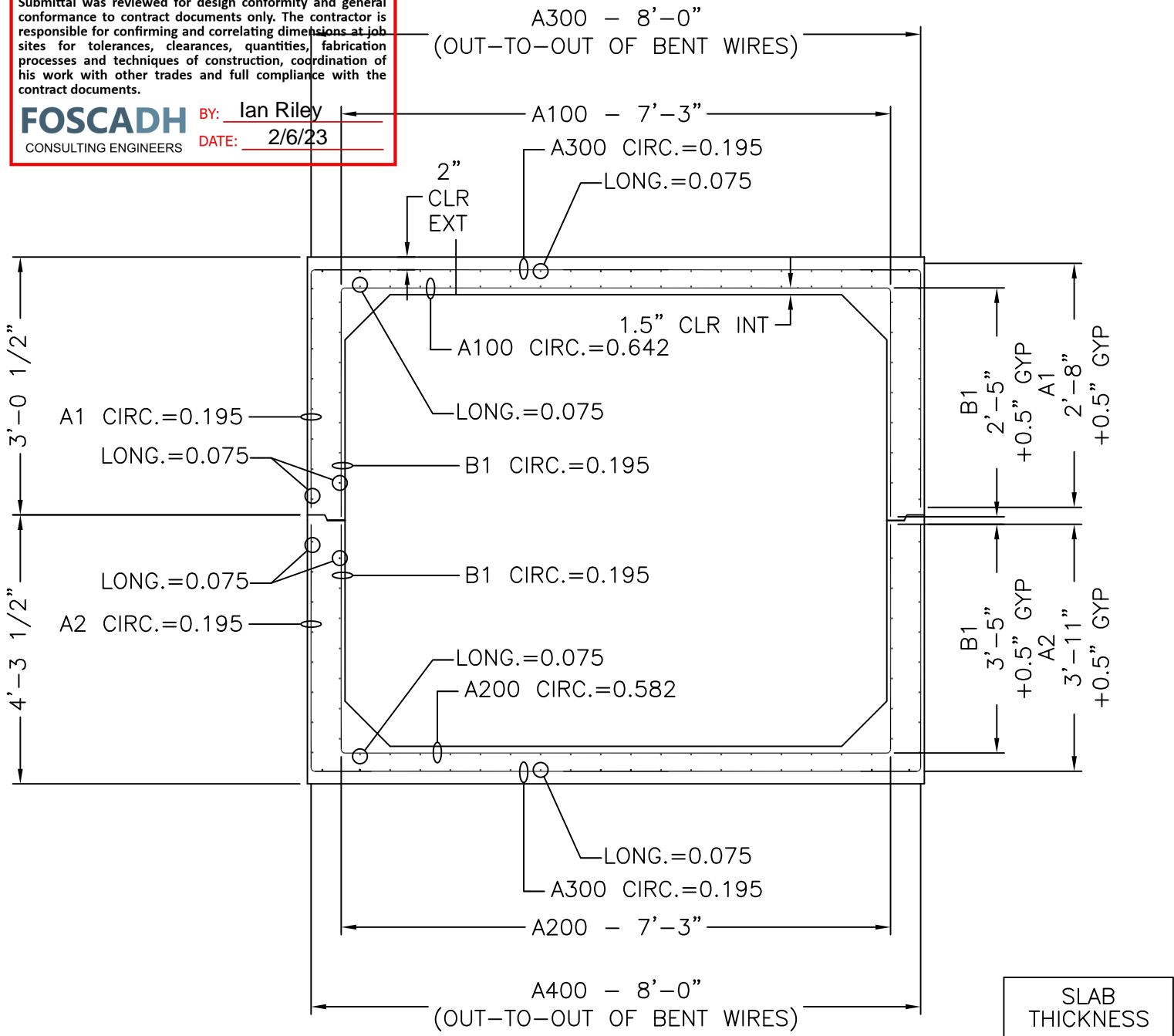
WI.0

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.

FOSCADH CONSULTING ENGINEERS
 BY: Ian Riley DATE: 2/6/23



7' x 6' x 7'-1 15/16"

CROSS SECTION WITH AREAS OF STEEL

SLAB THICKNESS	
TOP	8"
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 7'-1 15/16" JOINT = 533.2 lbs

BOX SIZE: 7' X 6' X 7'-1 15/16"	ASTM: HL-93	TABLE: 125%	FILL: -
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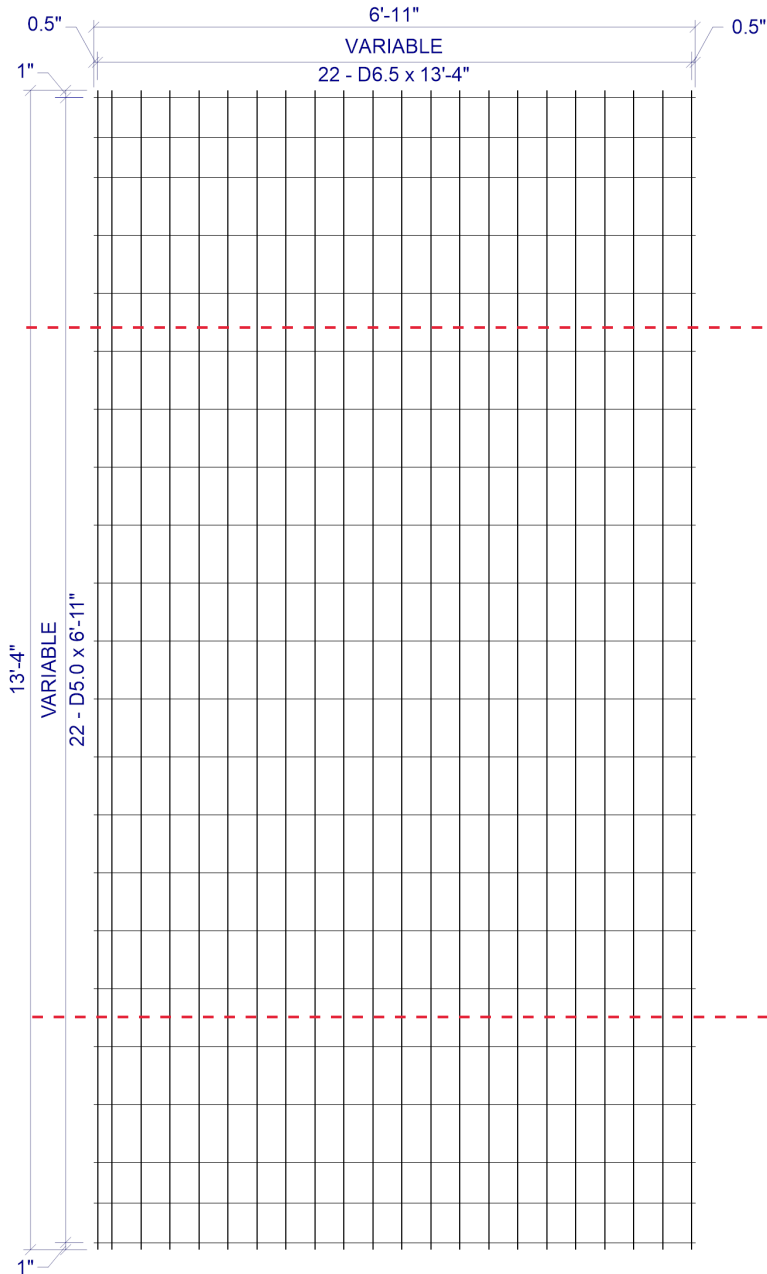
Concrete Reinforcements, Inc.
 3830 Presidents Way
 Jacksonville, FL 32220
 PH. 904-520-7100 FAX. 904-520-7101

CUSTOMER: AMERICAN CONCRETE	DRAWN BY: BWA	REVISION: -	SHEET DESCRIPTION: COVER	
PROJECT: 7' X 6' X 7'-1 15/16" VAN BUREN #1	DATE: 2/3/2023	REVISION DATE: -	FILE NAME: F22-4379	
CHECKED BY: BWA	SCALE: NTS	PROJECT #: F22-4379	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 F22-4378 - Drawings - 7x6 Vanburen #1 - American - 1-23-2023

LOCATION Veazie, ME

DATE 02-03-2023 MARK NUMBER A1/A130(-01)

L.W.SPAC VAR

C.W.SPAC VAR

L.W.1 SIZE D6.5

L.W.2 SIZE N/A

C.W.SIZE D5.0

WIDTH 6'-11"

LENGTH 13'-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	22	N/A
SIZE	D6.5	N/A	D5.0
LENGTH	13'-4"	-	6'-11"
W.T./SHEET			
SHEET W.T.	90.69#		
QUANTITY	10		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

SPECIAL REMARKS:
 BEND DIMS: SLAB=96", WALLS=32" (+0.5"GYP)

VAR x VAR D6.5 / D5.0 (GRADE 75) 82(+0.5, +0.5) x 13'-4" (1, 1)

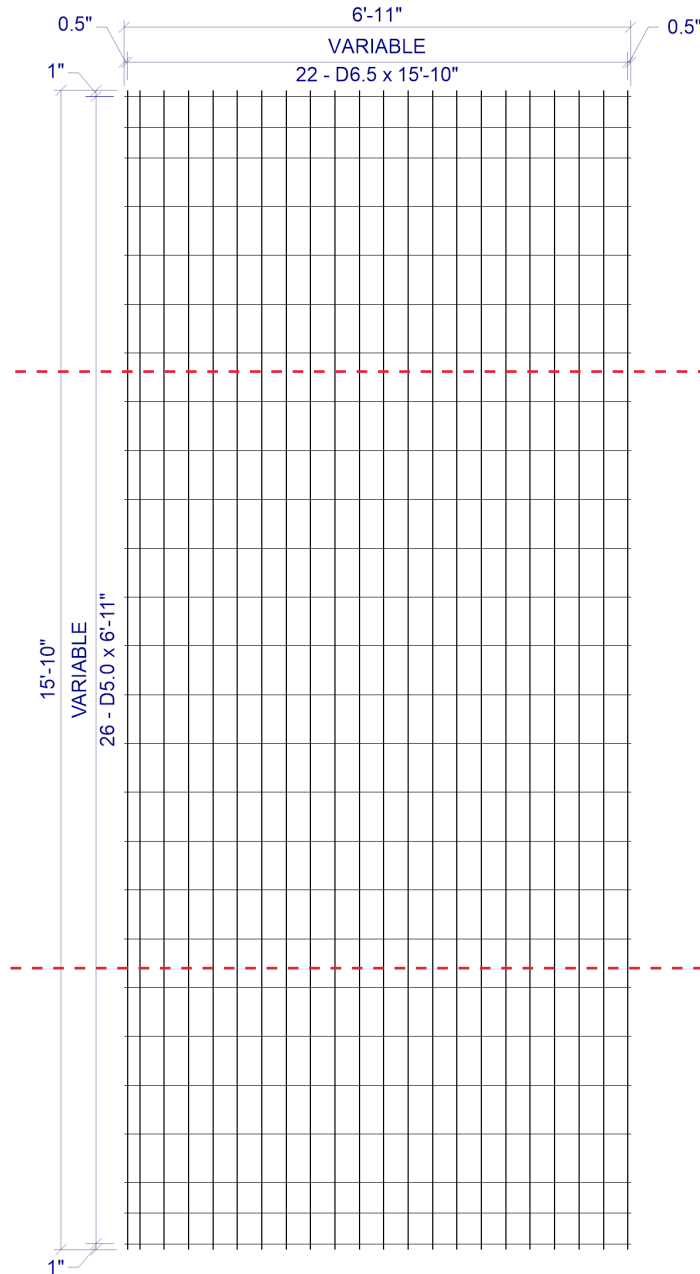
VAR = 0.5" OH, 1@2", 20@4", 0.5" OH
 VAR = 1" OH, 2@5.5", 17@8", 2@5.5", 1" OH

APPROVED _____

SHEET DESIGN



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VAR x VAR D6.5 / D5.0 (GRADE 75) 82(+0.5, +0.5) x 15'-10" (1, 1)

VAR = 0.5" OH, 1@2", 20@4", 0.5" OH
 VAR = 1" OH, 2@5", 21@8", 2@5", 1" OH

**BEND
LINE**

**BEND
LINE**

CUSTOMER American Concrete

PROJECT F22-4378 - Drawings - 7x6 Vanburen #1 - American - 1-23-2023

LOCATION Veazie, ME

DATE 02-03-2023 MARK NUMBER A2/A400 (-02)

L.W.SPAC VAR

C.W.SPAC VAR

L.W.1 SIZE D6.5

L.W.2 SIZE N/A

C.W.SIZE D5.0

WIDTH 6'-11"

LENGTH 15'-10"

OH.LEFT 0.5"

OH.RIGHT 0.5"

OH.TOP 1"

OH.BOTTOM 1"

YIELD 75,000psi

BENT -

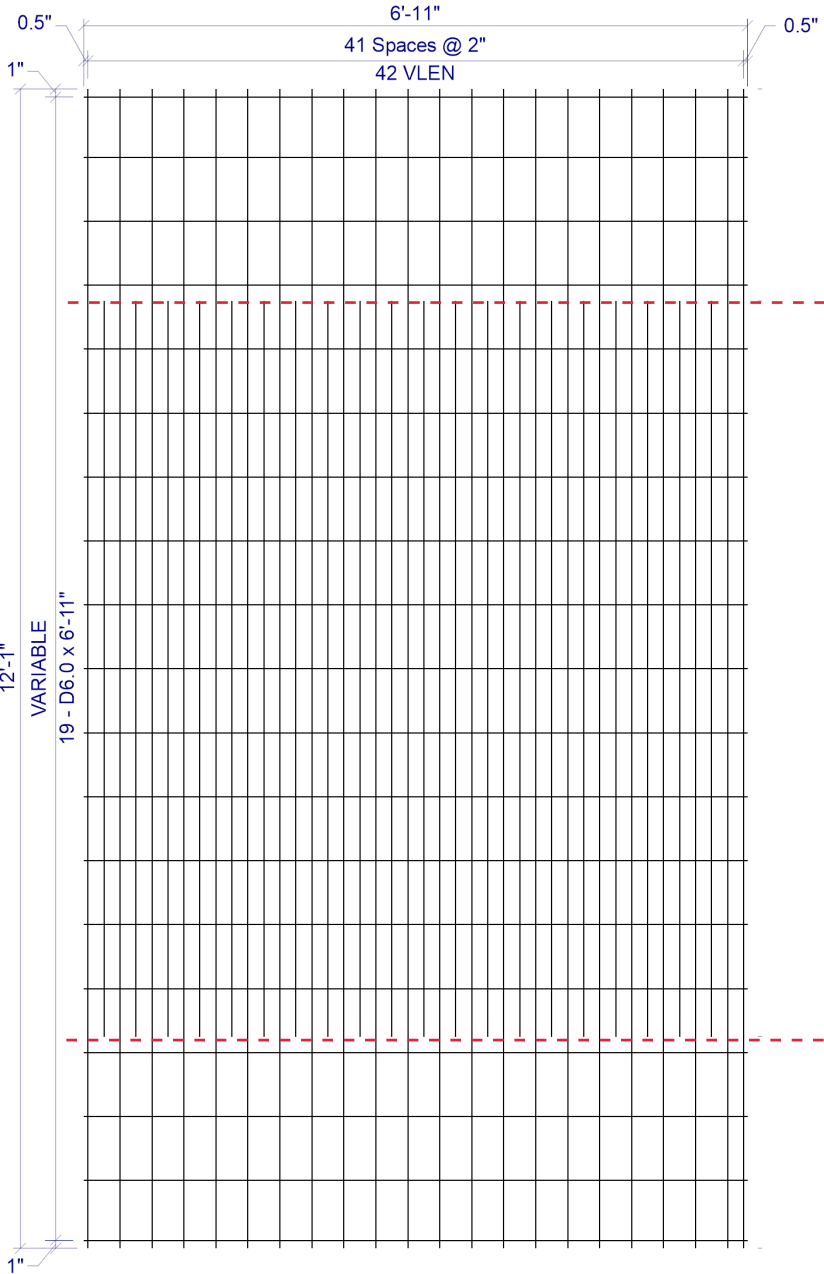
CUT -

ROLL -

W I R E S	LINE WIRE 1	LINE WIRE 2	CROSS WIRE
	NO. PER SHEET	22	N/A
SIZE	D6.5	N/A	D5.0
LENGTH	15'-10"	-	6'-11"
W.T./SHEET			
SHEET W.T.	107.55#		
QUANTITY	10		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

SPECIAL REMARKS:
 BEND DIMS: SLAB=96", WALLS=47" (+0.5" GYP)

APPROVED _____



SHEET DESIGN



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CUSTOMER American Concrete
 PROJECT F22-4378 - Drawings - 7x6 Vanburen #1 - American - 1-23-2023
 LOCATION Veazie, ME
 DATE 02-03-2023 MARK NUMBER B1/A100 (-03)

L.W.SPAC 2"
 C.W.SPAC VAR
 L.W.1 SIZE D7.5
 L.W.2 SIZE D13.9
 C.W.SIZE D6.0
 WIDTH 6'-11"
 LENGTH 12'-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	22	20
SIZE	D7.5	D13.9	D6.0
LENGTH	12'-1"	7'-8"	6'-11"
W.T./SHEET			
SHEET W.T.	167.70#		
QUANTITY	10		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

BEND LINE

BEND LINE

2 x VAR D7.5 / D13.9 / D6.0 (GRADE 75) 82"(+0.5", +0.5") x VLEN(1", 1")
 VLEN = ALTERNATING LENGTH 7'-8" & 12'-1" WITH 12'-1" @ LHS & RHS
 VAR = 1" OH, 1@7.5", 16@8", 1@7.5", 1" OH

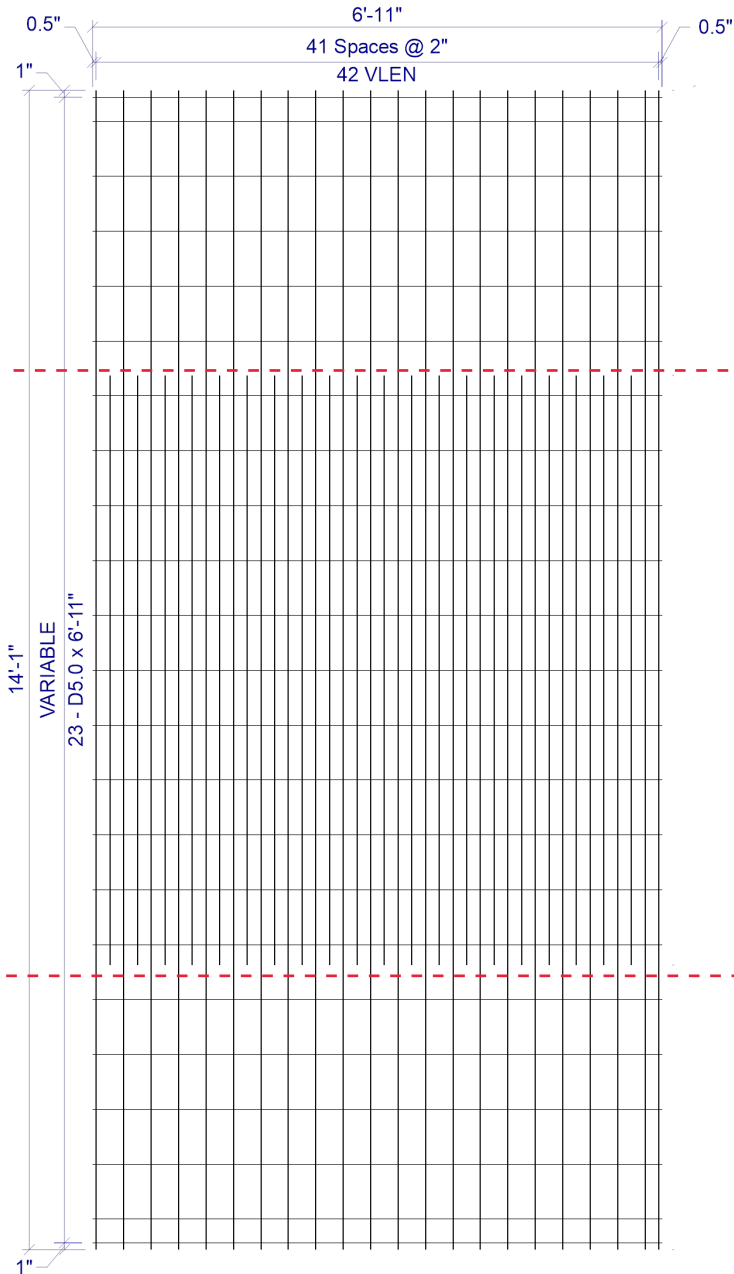
SPECIAL REMARKS:
 BEND DIMS: SLAB=87", WALLS=29"

APPROVED _____

SHEET DESIGN



Concrete Reinforcements, Inc.
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BEND LINE

BEND LINE

CUSTOMER American Concrete
 PROJECT F22-4378 - Drawings - 7x6 Vanburen #1 - American - 1-23-2023
 LOCATION Veazie, ME
 DATE 02-03-2023 MARK NUMBER B1/A200 (-04)

L.W.SPACE 2"
 C.W.SPACE VAR
 L.W.1 SIZE D7.5
 L.W.2 SIZE D11.9
 C.W.SIZE D5.0
 WIDTH 6'-11"
 LENGTH 14'-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	22	20
SIZE	D7.5	D11.9	D5.0
LENGTH	14'-1"	7'-2"	6'-11"
W.T./SHEET			
SHEET W.T.	170.00#		
QUANTITY	10		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

SPECIAL REMARKS:
 BEND DIMS: SLAB=87", WALLS=41"

2 x VAR D7.5 / D11.9 / D5.0 (GRADE 75) 82"(+0.5", +0.5") x VLEN(1", 1")
 VLEN = ALTERNATING LENGTH 7'-2" & 14'-1" WITH 14'-1" @ LHS & RHS
 VAR = 1" OH, 1@3.5", 20@8", 1@3.5", 1" OH

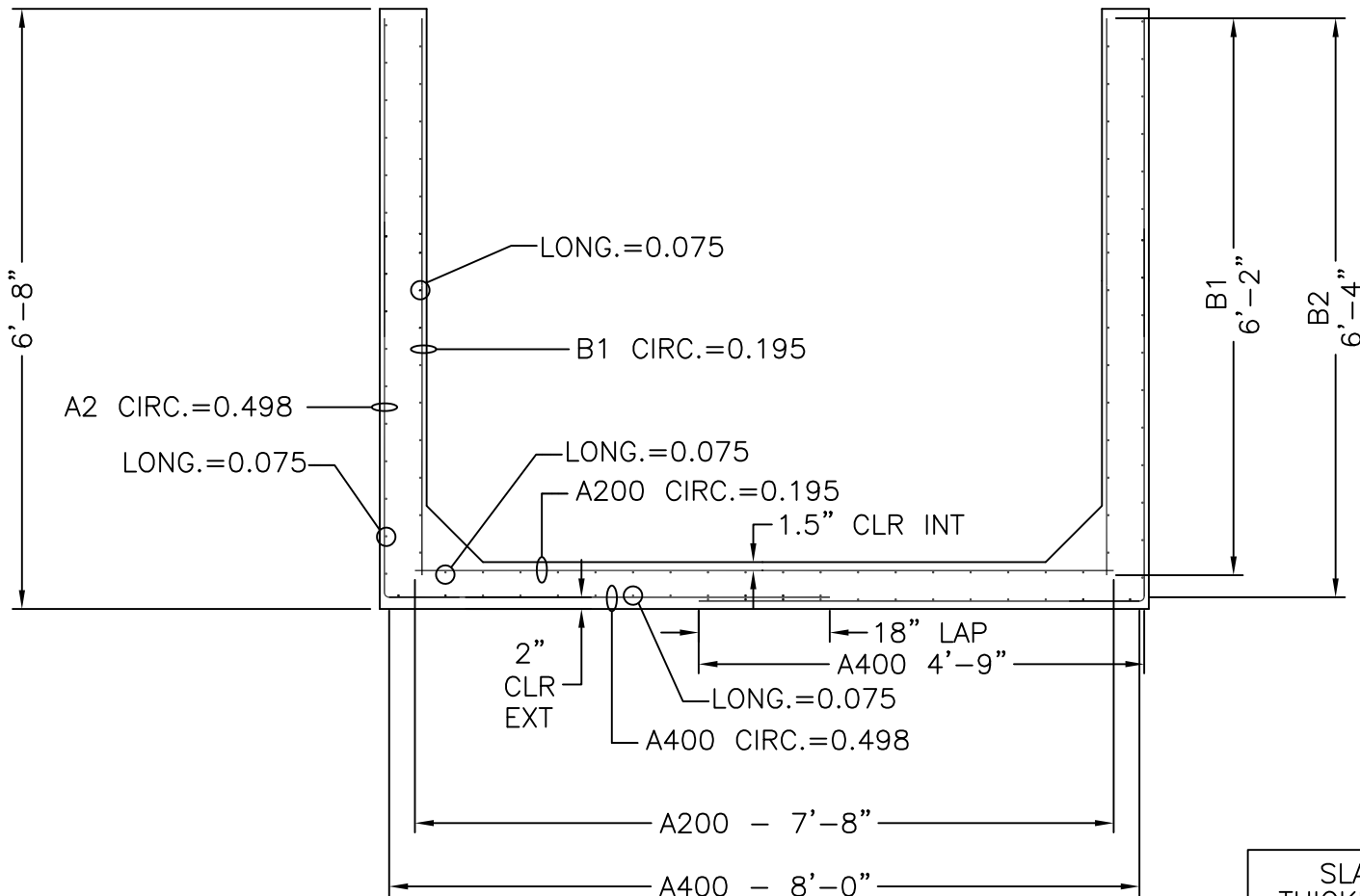
APPROVED _____

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.

FOSCADH BY: Ian Riley
 CONSULTING ENGINEERS DATE: 2/6/23



7' x 6' HEADWALL
CROSS SECTION WITH AREAS OF STEEL

SLAB THICKNESS	
TOP	8"
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 6'-0" JOINT = 333.7 lbs

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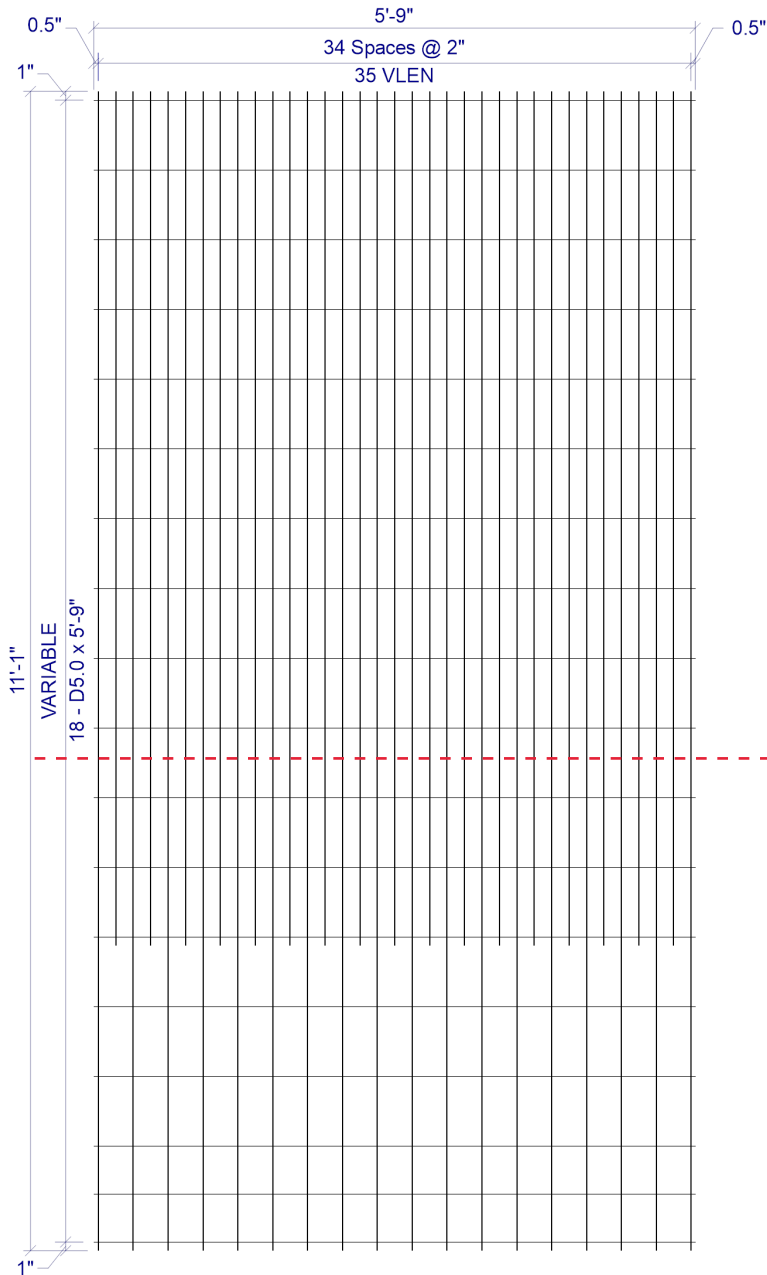
Concrete Reinforcements, Inc.
 3830 Presidents Way
 Jacksonville, FL 32220
 PH. 904-520-7100 FAX. 904-520-7101

CUSTOMER:	AMERICAN CONCRETE	DRAWN BY:	BWA	REVISION:	-	SHEET DESCRIPTION:	
PROJECT:	HEADWALL END VAN BUREN #1	DATE:	2/3/2023	REVISION DATE:	-	FILE NAME:	F22-4378
		CHECKED BY:	BWA	SCALE:	NTS	PROJECT #:	F22-4378
						SHEET #:	1 OF 4

SHEET DESIGN



Concrete Reinforcements, Inc.
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CUSTOMER American Concrete

PROJECT F22-4378B - Drawings - 7x6 Headwall - American - 1-23-2023

LOCATION Veazie, ME

DATE 01-23-2023 MARK NUMBER A2/400 (-01)

L.W.SPAC 2"

C.W.SPAC VAR

L.W.1 SIZE D6.5

L.W.2 SIZE D10.1

C.W.SIZE D5.0

WIDTH 5'-9"

LENGTH 11'-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	18	17
SIZE	D6.5	D10.1	D5.0
LENGTH	11'-1"	8'-2"	5'-9"
W.T./SHEET			
SHEET W.T.	111.30#		
QUANTITY	8		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

BEND LINE

2 x VAR D6.5 / D10.1 / D5.0 (GRADE 75) 68"(+0.5", +0.5") x VLEN(1", 1")

VLEN = ALTERNATING LENGTH 8'-2" & 11'-1" WITH 11'-1" @ LHS & RHS

VAR = 1" OH, 15@8", 2@5.5", 1" OH

SPECIAL REMARKS:
 BEND DIMS: WALL=76", SLAB=57", LAP IN SLAB=18"

APPROVED _____

SHEET DESIGN



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

CUSTOMER American Concrete

PROJECT F22-4378B - Drawings - 7x6 Headwall - American - 1-23-2023

LOCATION Veazie, ME

DATE 01-23-2023 MARK NUMBER B1 (-02)

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 5'-9"

LENGTH 6'-2"

OH.LEFT 0.5"

OH.RIGHT 0.5"

OH.TOP 1"

OH.BOTTOM 5"

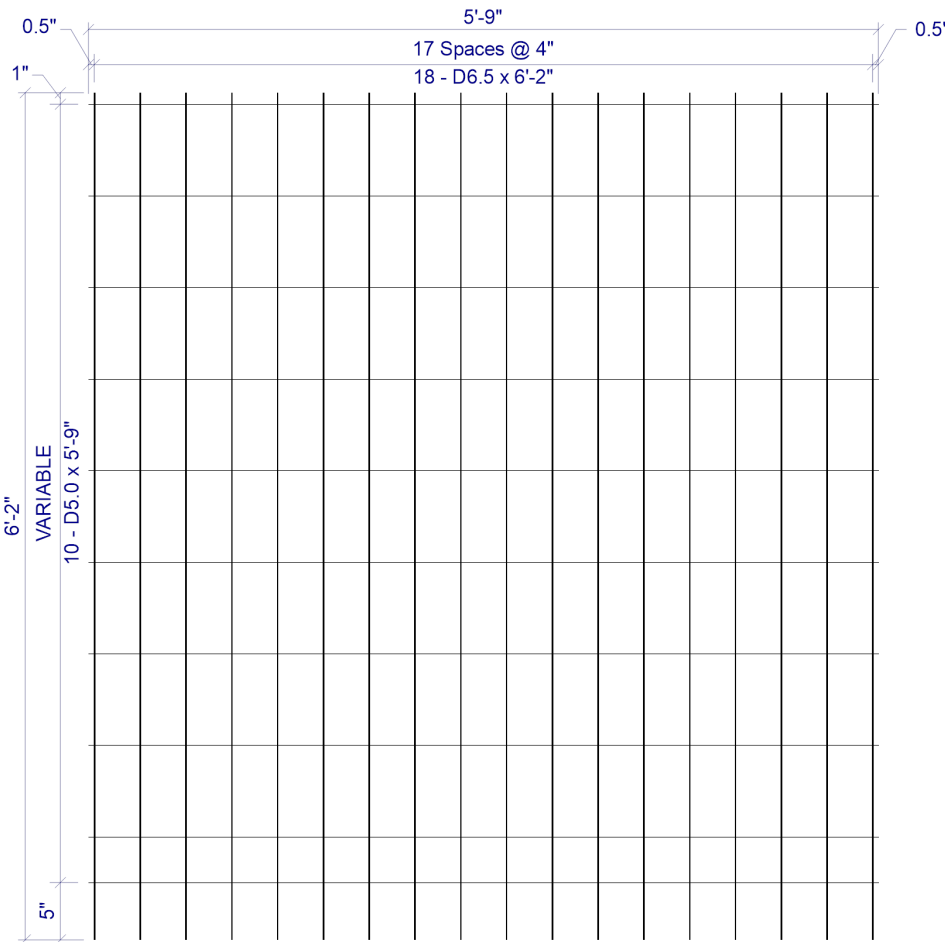
YIELD 75,000psi

BENT -

CUT -

ROLL -

W I R E S	LINE WIRE 1	LINE WIRE 2	CROSS WIRE
	NO. PER SHEET	18	N/A
SIZE	D6.5	N/A	D5.0
LENGTH	6'-2"	-	5'-9"
W.T./SHEET			
SHEET W.T.	34.40#		
QUANTITY	8		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			



4 x VAR D6.5 / D5.0 (GRADE 75) 68(+0.5, +0.5) x 6'-2"(1, 5)

VAR = 1" OH, 8@8", 1@4", 5" OH

SPECIAL REMARKS:

APPROVED _____

SHEET DESIGN



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

CUSTOMER American Concrete

PROJECT F22-4378B - Drawings - 7x6 Headwall - American - 1-23-2023

LOCATION Veazie, ME

DATE 01-23-2023 MARK NUMBER A200 (-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 5'-9"

LENGTH 7'-8"

OH.LEFT 0.5"

OH.RIGHT 0.5"

OH.TOP 4"

OH.BOTTOM 4"

YIELD 75,000psi

BENT -

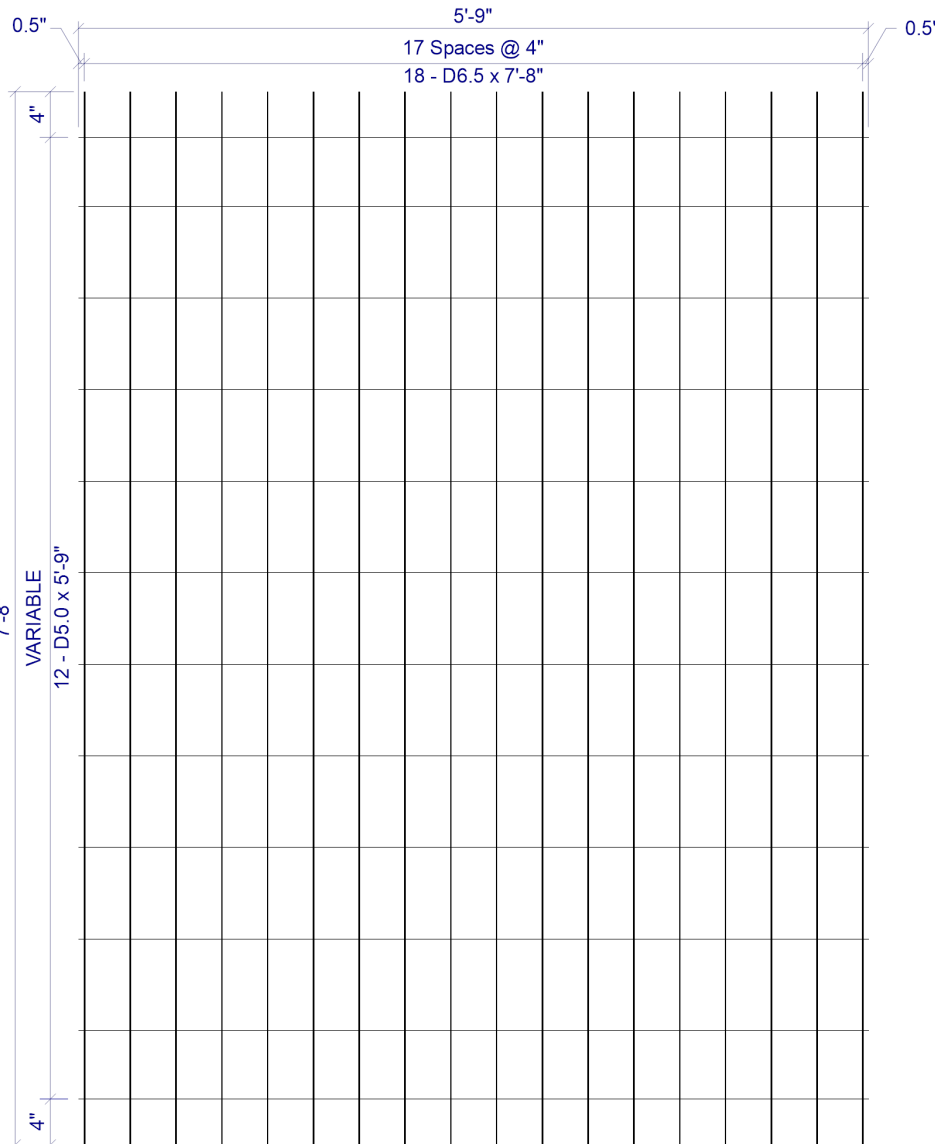
CUT -

ROLL -

W I R E S	LINE WIRE 1	LINE WIRE 2	CROSS WIRE
	NO. PER SHEET	18	N/A
SIZE	D6.5	N/A	D5.0
LENGTH	7'-8"	-	5'-9"
W.T./SHEET			
SHEET W.T.	42.30#		
QUANTITY	4		
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) 68(+0.5, +0.5) x 7'-8"(4, 4)
 VAR = 4" OH, 1@6", 9@8", 1@6", 4" OH

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	11,240
2	1	UPSTREAM END BOTTOM	12,930
3	9	MID SECTION TOP	10,965
4	9	MID SECTION BOTTOM	12,630
5	1	DOWNSTREAM END TOP	10,700
6	1	DOWNSTREAM END BOTTOM	12,310
9	2	1' x 2' x 9'-4" TOEWALL	2,795
10	14	#8 x 18" TOEWALL PIN (SHIPPED LOOSE)	

DESIGN NOTES:

- Concrete**
 - 1.1. COMP. STRENGTH MIN. 5,000PSI @ 28 DAYS
 - 1.2. AIR-ENTRAINMENT: 5.5% MIN - 7.5% 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 (WHEN REQUIRED.)
 - 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. JOINTS SEALED WITH BUTYL RUBBER SEALANT.
 - 3.2. ALL JOINTS FILLED W/ NON-SHRINK GROUT AFTER INSTALLATION.
- Soil / Fill Requirements:**
 - MINIMUM ALLOWABLE FILL: 4.50'
 - MAXIMUM ALLOWABLE FILL: 5.00'

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

STRUCTURE NAME:
 CULVERT 3: 8' x 6' x 82' (STA. 118+38)

JOB NAME:
 US ROUTE 1 (WIN 20421.10)

LOCATION:
 VAN BUREN, ME

CONTRACTOR:
 ME DOT

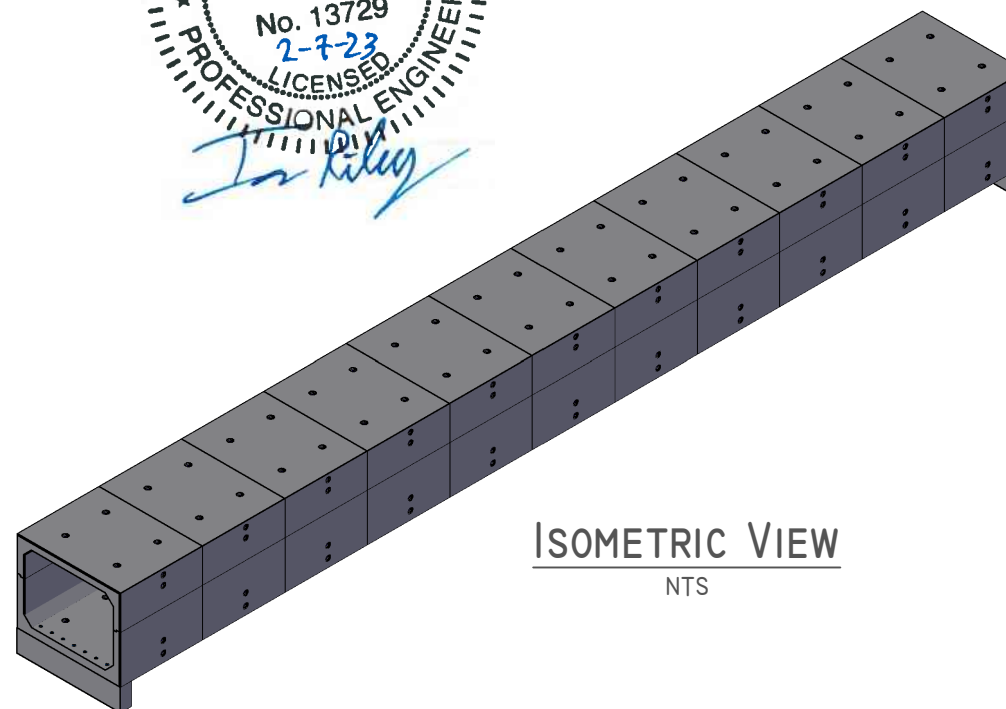
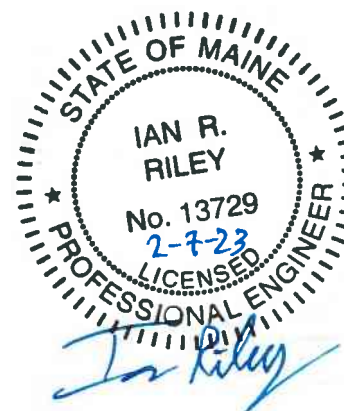
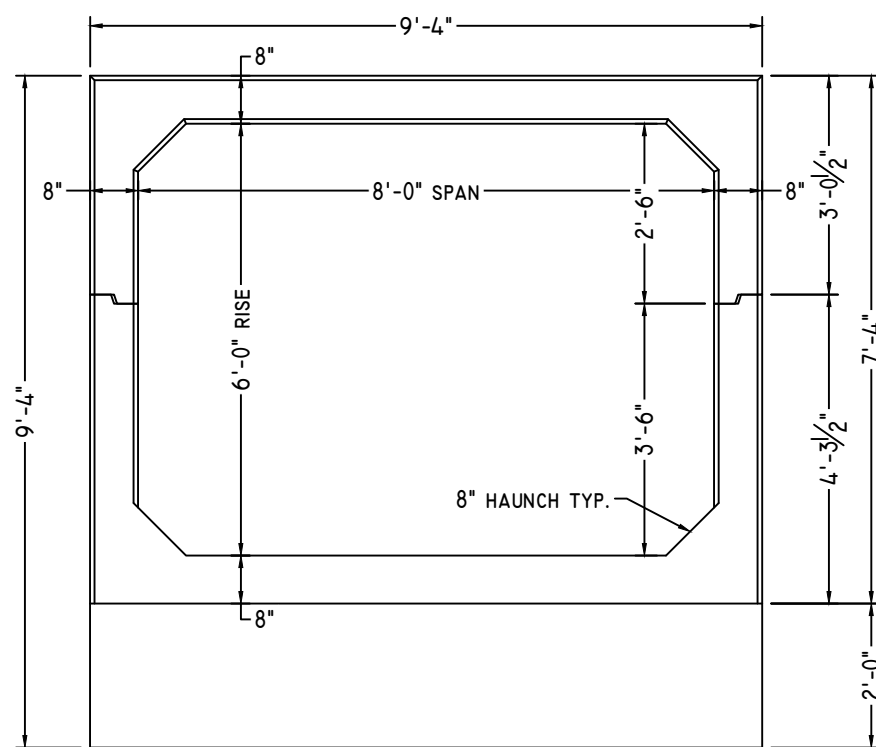
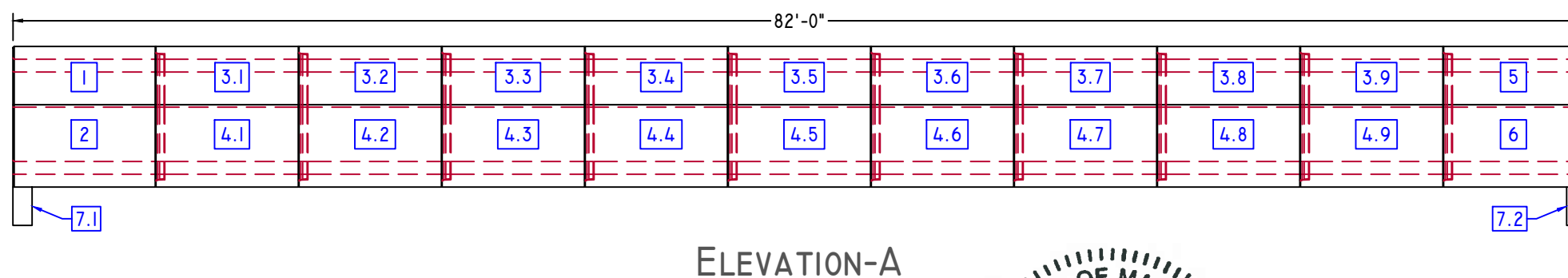
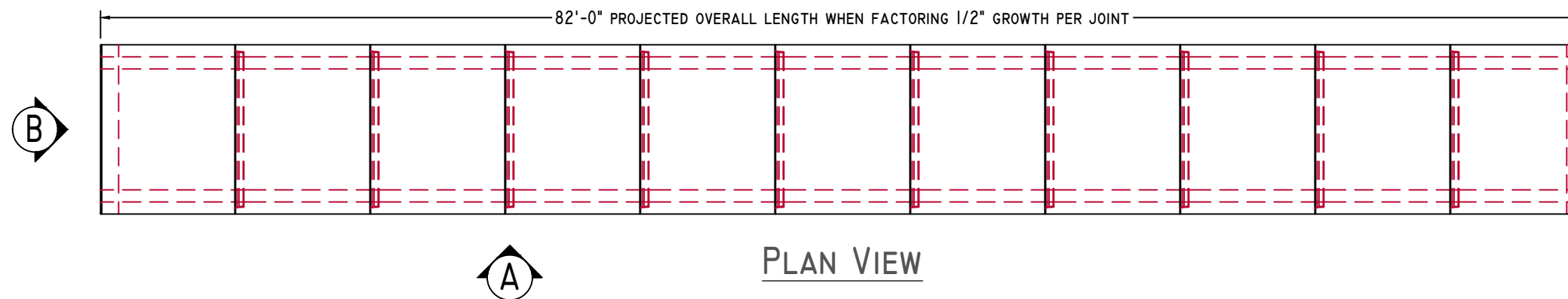
DRAWN BY:
 SSM

DATE:
 02/03/2023

REV.#:
 0.00

DATE:
 02/03/2023

C3.0



UPSTREAM END



American Concrete Industries

1717 STILLWATER AVE. VEAZIE, ME. 04401

TEL: 207-947-8334

FAX: 207-947-3580

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BILL OF MATERIALS

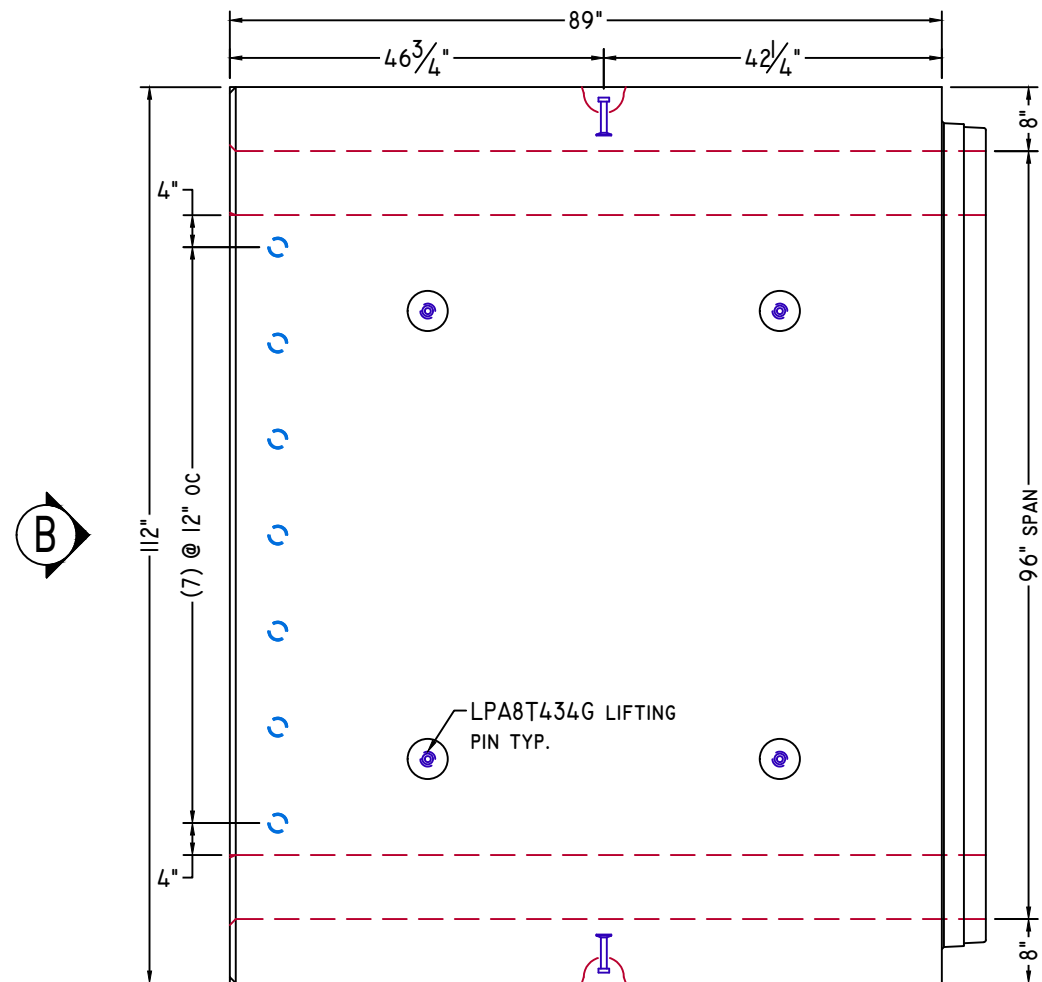
ITEM	QTY	DESCRIPTION	WEIGHT# EA
1	1	UPSTREAM END TOP	11,240
2	1	UPSTREAM END BOTTOM	12,930

DESIGN NOTES:

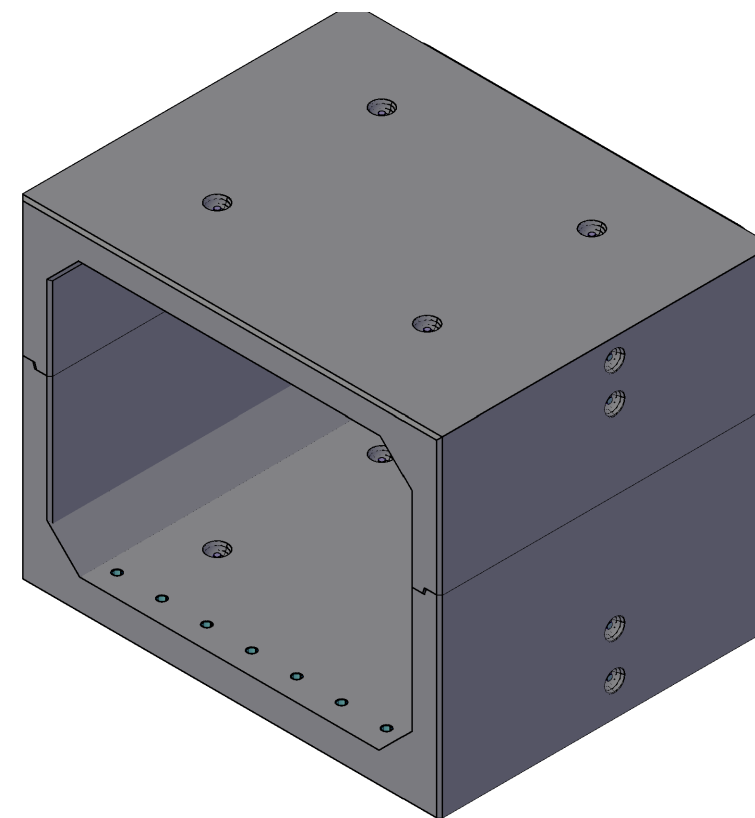
1. **Concrete**
 - 1.1. COMP. STRENGTH MIN. 5,000PSI @ 28 DAYS
 - 1.2. AIR-ENTRAINMENT: 5.5% MIN - 7.5% MAX
2. **Structural Reinforcement:**
 - 2.1. BAR PER ASTM A615, GRADE 60
 - 2.2. WWF PER ASTM A1064, GRADE 75
 - 2.3. SUPPLEMENTAL REINFORCING AS SHOWN (WHEN REQUIRED.)
 - 2.4. DESIGNED FOR 125% HL-93 WHEEL LOAD RATING
 - 2.5. 2" CLR EXT., 1 1/2" CLR INT. UNLESS NOTED OTHERWISE
3. **Manufacturing / Installation:**
 - 3.1. JOINTS SEALED WITH BUTYL RUBBER SEALANT.
 - 3.2. ALL JOINTS FILLED W/ NON-SHRINK GROUT AFTER INSTALLATION.
 - 3.3. STANDARD BOLT POCKETS W/ 3/4"Ø GALVANIZED HARDWARE USED TO HOLD SECTIONS WITH FLAT JOINTS TOGETHER.
4. **Soil / Fill Requirements:**

MINIMUM ALLOWABLE FILL: 4.50'

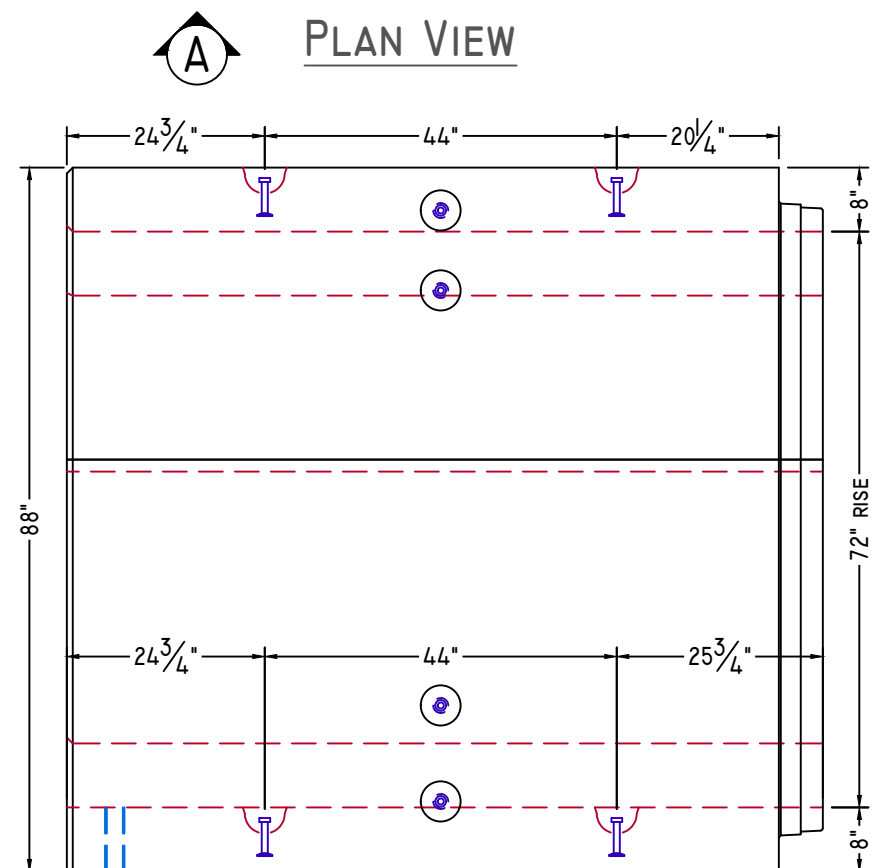
MAXIMUM ALLOWABLE FILL: 5.00'



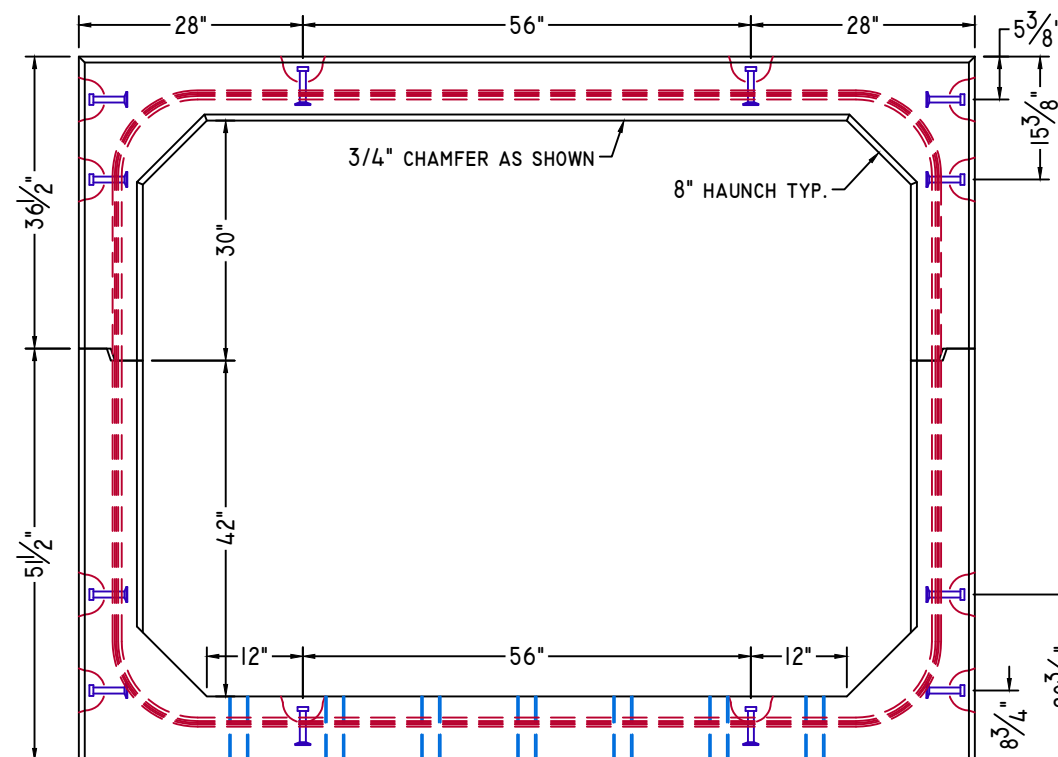
PLAN VIEW



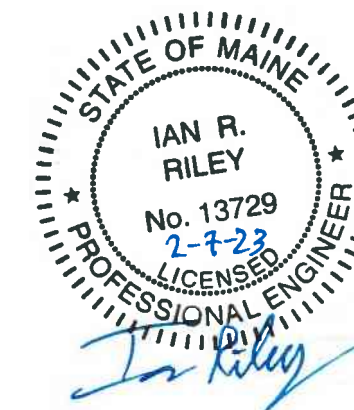
ISOMETRIC VIEW
NTS



ELEVATION-A



ELEVATION-B



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

STRUCTURE NAME:
CULVERT 3: 8' x 6' x 82' (STA. 118+38)

JOB NAME:
US ROUTE I (WIN 20421.10)

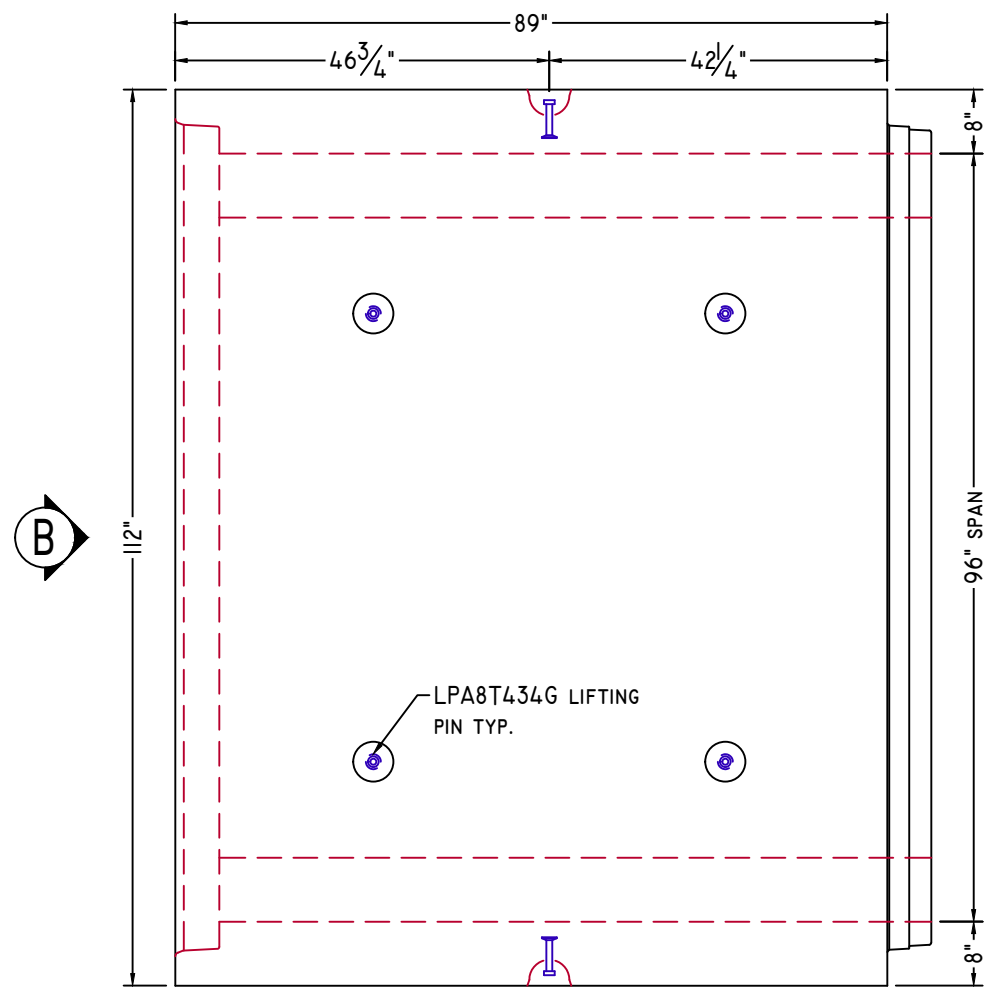
LOCATION:
VAN BUREN, ME

CONTRACTOR:
ME DOT

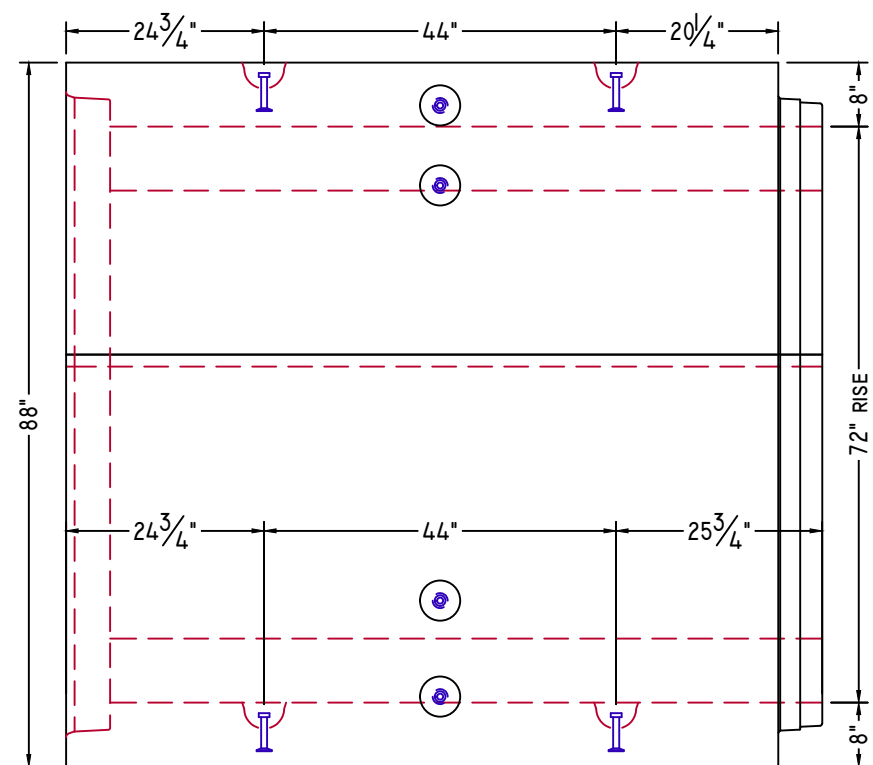
DRAWN BY: SSM DATE: 02/03/2023

REV.#: 0.00 DATE: 02/03/2023

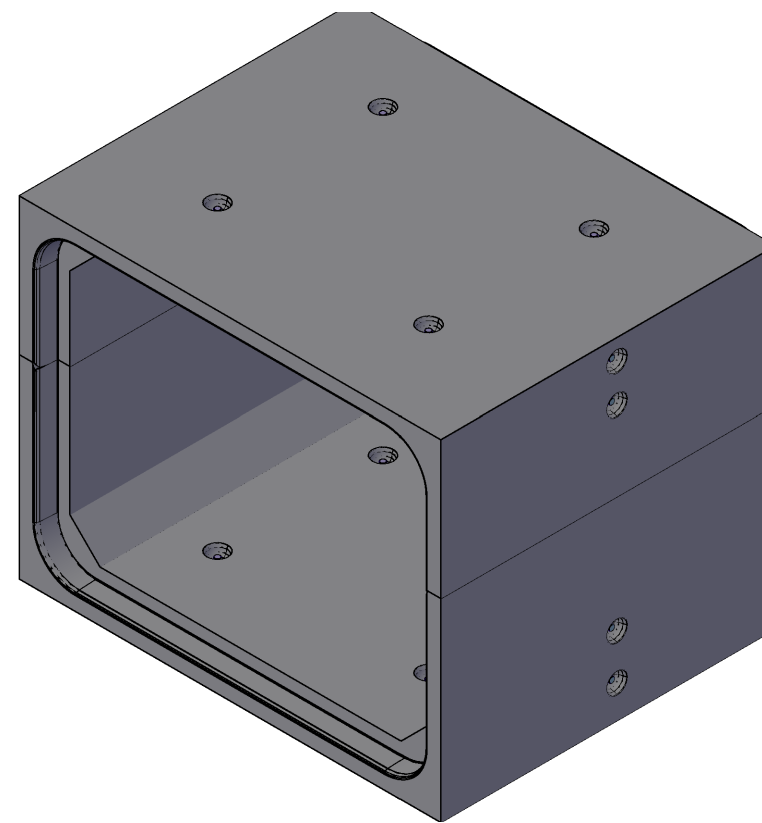
C3.1



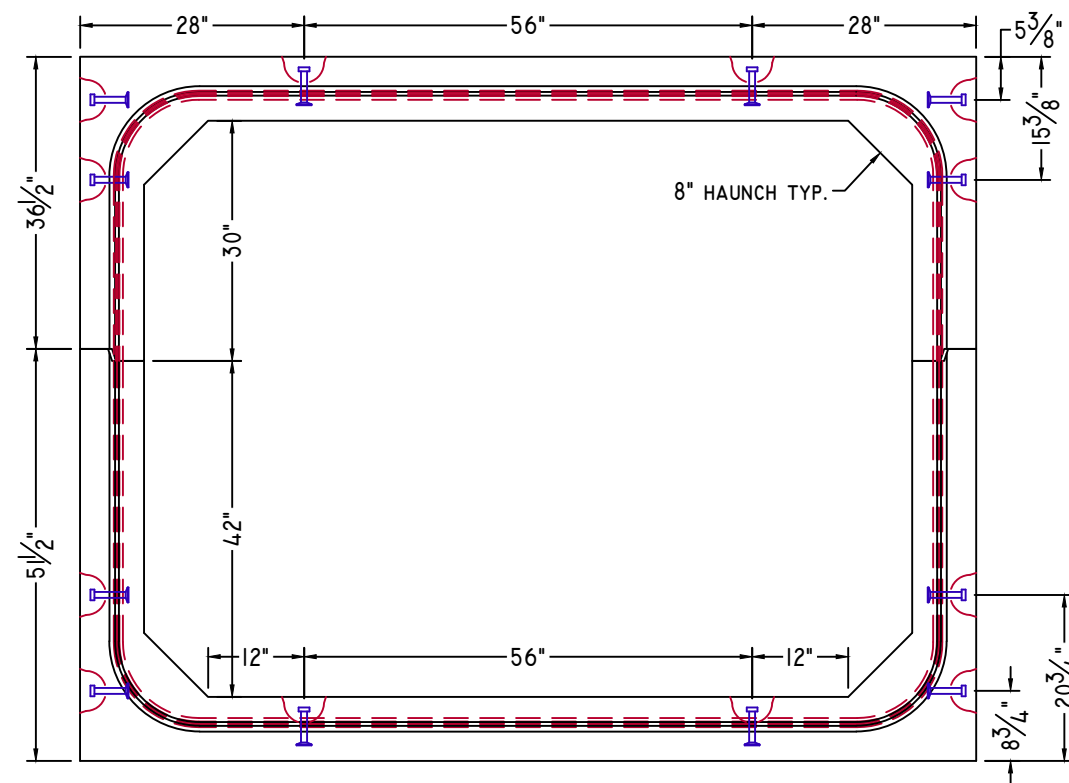
PLAN VIEW



ELEVATION-A



ISOMETRIC VIEW
NTS



ELEVATION-B

MID SECTION



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1717 STILLWATER AVE. VEAZIE, ME. 04401
TEL: 207-947-8334
FAX: 207-947-3580
WWW.AMERICANCONCRETE.COM

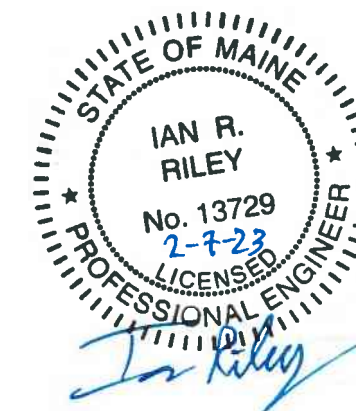
BILL OF MATERIALS

ITEM	QTY	DESCRIPTION	WEIGHT# EA
3	8	MID SECTION TOP	10,965
4	8	MID SECTION BOTTOM	12,630

DESIGN NOTES:

1. **Concrete**
 - 1.1. COMP. STRENGTH MIN. 5,000PSI @ 28 DAYS
 - 1.2. AIR-ENTRAINMENT: 5.5% MIN - 7.5% 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 (WHEN REQUIRED.)
 - 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. JOINTS SEALED WITH BUTYL RUBBER SEALANT.
 - 3.2. ALL JOINTS FILLED W/ NON-SHRINK GROUT AFTER INSTALLATION.
 - 3.3. STANDARD BOLT POCKETS W/ 3/4"Ø GALVANIZED HARDWARE USED TO HOLD SECTIONS WITH FLAT JOINTS TOGETHER.
4. **Soil / Fill Requirements:**

MINIMUM ALLOWABLE FILL: 4.50'
MAXIMUM ALLOWABLE FILL: 5.00'



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

STRUCTURE NAME:
CULVERT 3: 8' x 6' x 82' (STA. 118+38)

JOB NAME:
US ROUTE I (WIN 20421.10)

LOCATION:
VAN BUREN, ME

CONTRACTOR:
ME DOT

DRAWN BY: SSM DATE: 02/03/2023

REV.#: 0.00 DATE: 02/03/2023

C3.2

DOWNSTREAM END



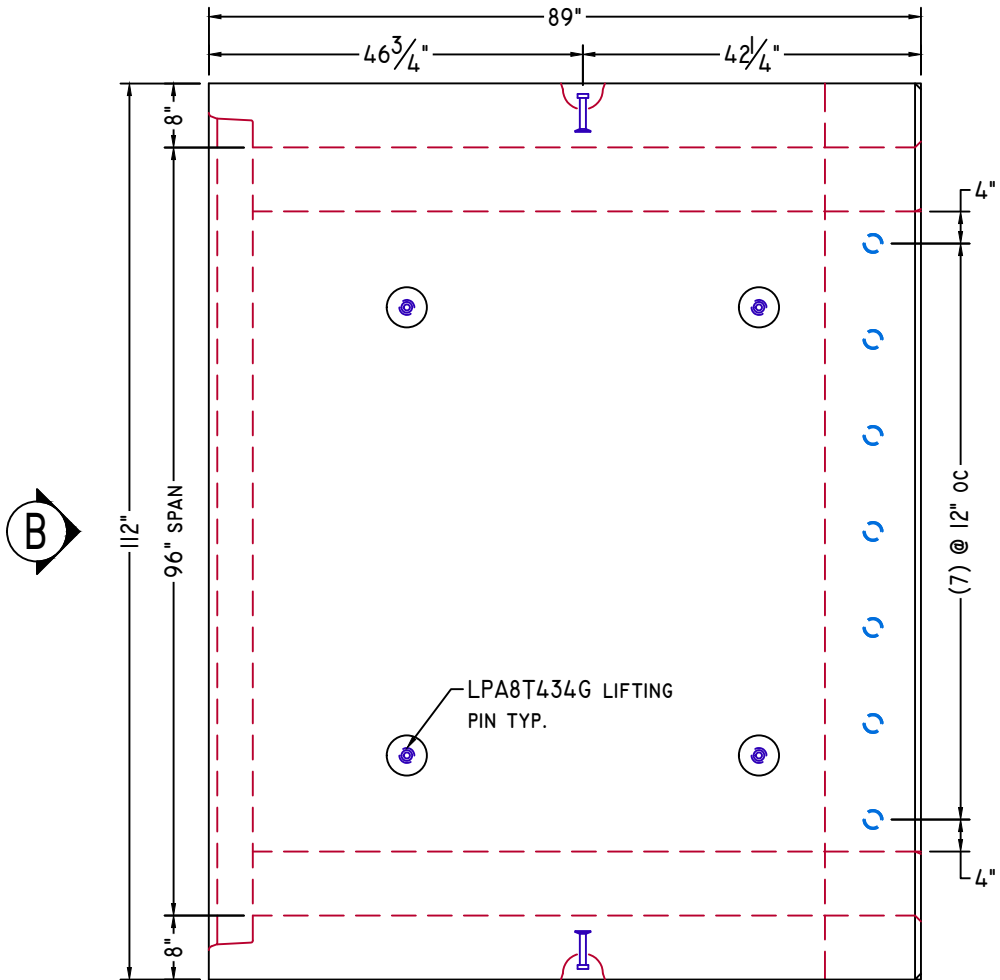
American Concrete Industries
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 TEL: 207-947-8334
 FAX: 207-947-3580
 WWW.AMERICANCONCRETE.COM

BILL OF MATERIALS

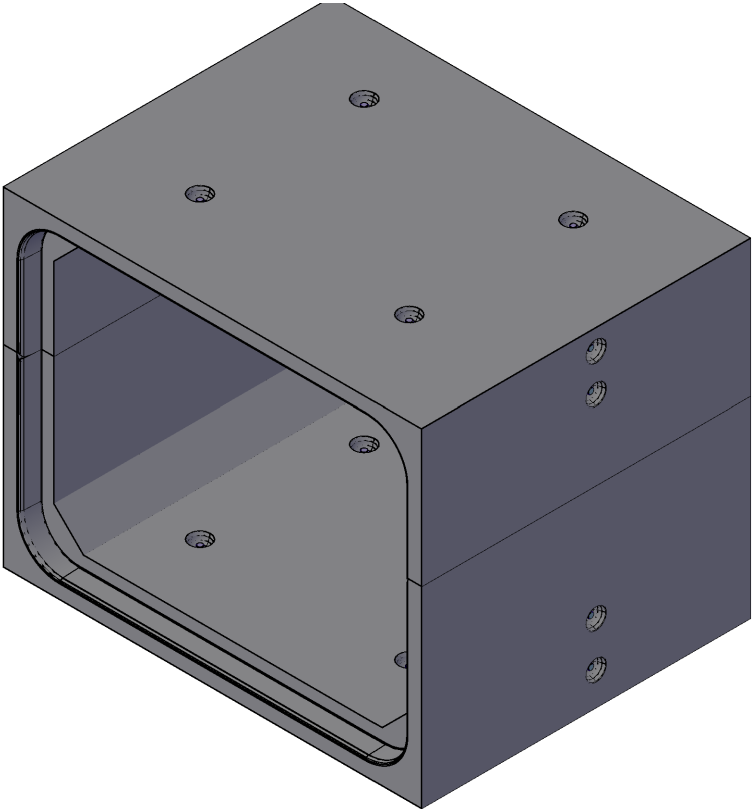
ITEM	QTY	DESCRIPTION	WEIGHT# EA
5	1	DOWNSTREAM END TOP	10,700
6	1	DOWNSTREAM END BOTTOM	12,310

- DESIGN NOTES:
- Concrete**
 - 1.1. COMP. STRENGTH MIN. 5,000PSI @ 28 DAYS
 - 1.2. AIR-ENTRAINMENT: 5.5% MIN - 7.5% 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 (WHEN REQUIRED.)
 - 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. JOINTS SEALED WITH BUTYL RUBBER SEALANT.
 - 3.2. ALL JOINTS FILLED W/ NON-SHRINK GROUT AFTER INSTALLATION.
 - 3.3. STANDARD BOLT POCKETS W/ 3/4"Ø GALVANIZED HARDWARE USED TO HOLD SECTIONS WITH FLAT JOINTS TOGETHER.
 - Soil / Fill Requirements:**

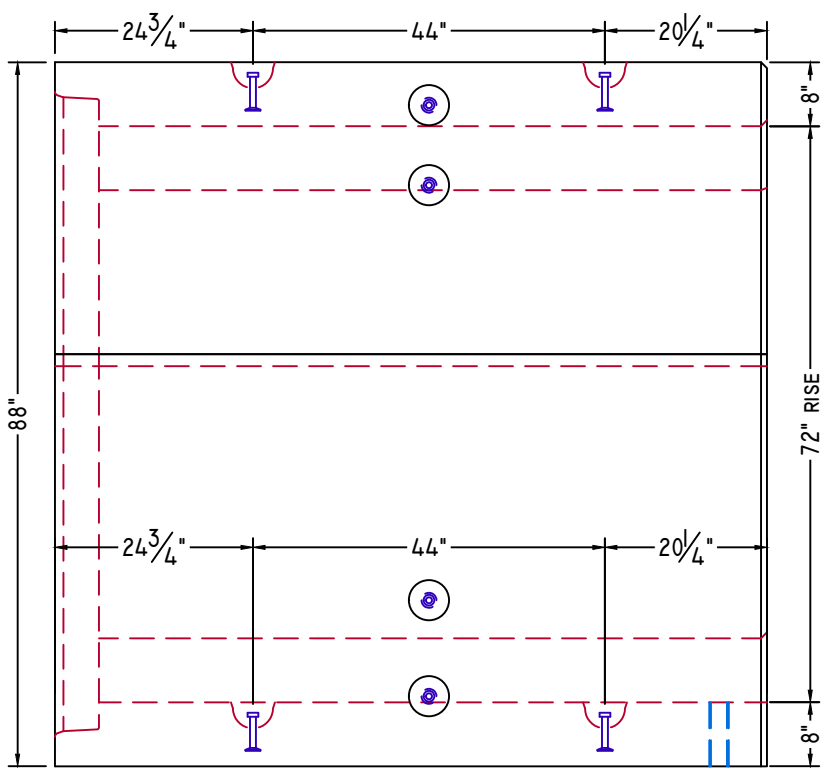
MINIMUM ALLOWABLE FILL: 2.75'
 MAXIMUM ALLOWABLE FILL: 3.25'



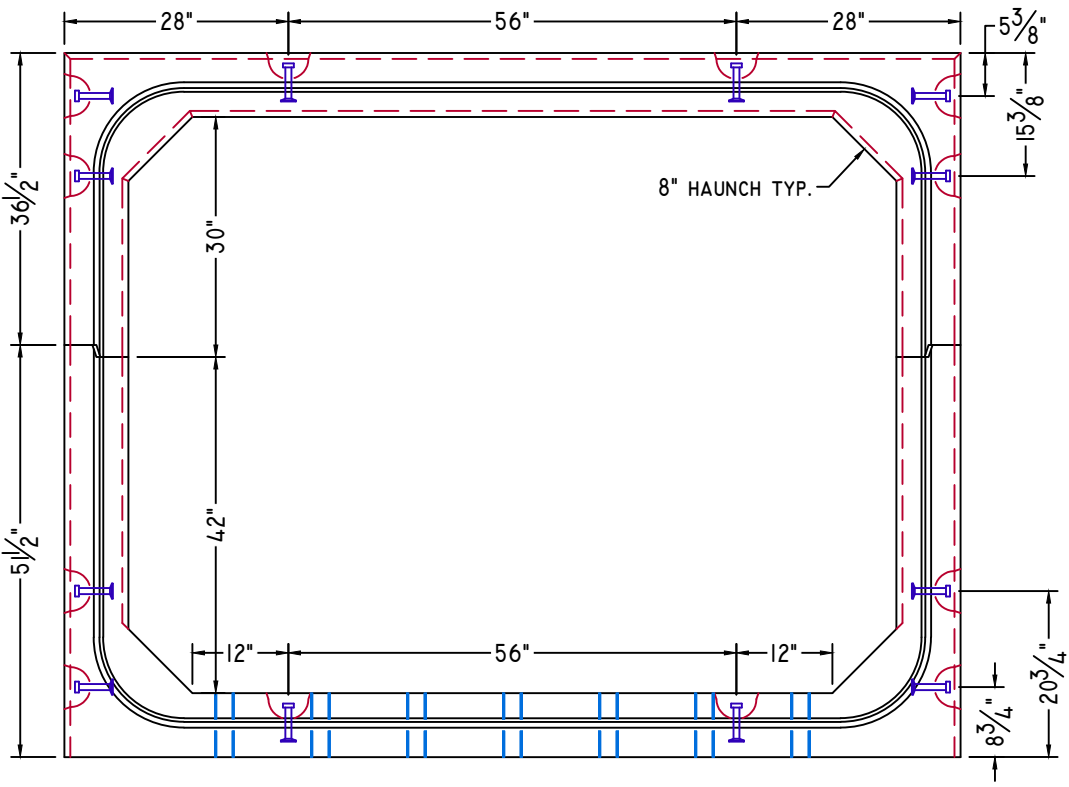
PLAN VIEW



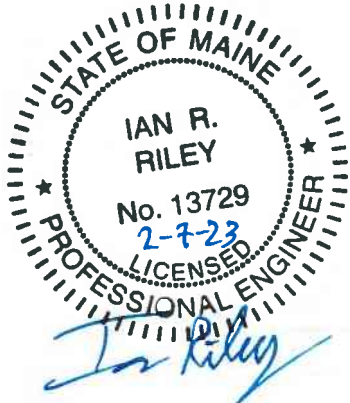
ISOMETRIC VIEW
NTS



ELEVATION-A



ELEVATION-B



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

STRUCTURE NAME:
CULVERT 3: 8' x 6' x 82' (STA. 118+38)

JOB NAME:
US ROUTE I (WIN 20421.10)

LOCATION:
VAN BUREN, ME

CONTRACTOR:
ME DOT

DRAWN BY: SSM	DATE: 02/03/2023	C3.3
REV.#: 0.00	DATE: 02/03/2023	

STANDARD DETAILS



American Concrete Industries

1717 STILLWATER AVE. VEAZIE, ME. 04401

TEL: 207-947-8334

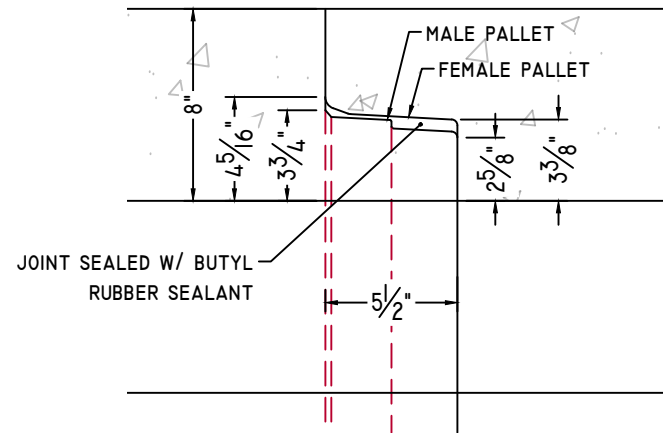
FAX: 207-947-3580

WWW.AMERICANCONCRETE.COM

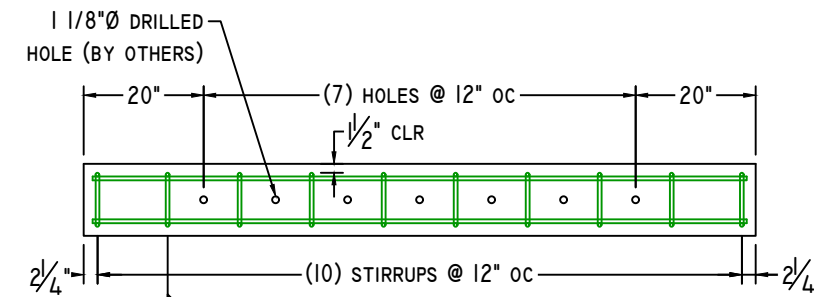
BILL OF MATERIALS

ITEM	QTY	DESCRIPTION	WEIGHT# EA
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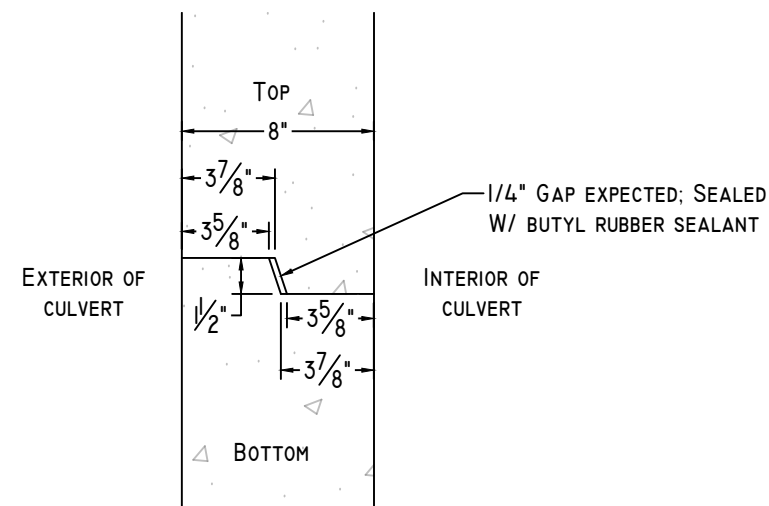


CULVERT JOINT DETAIL

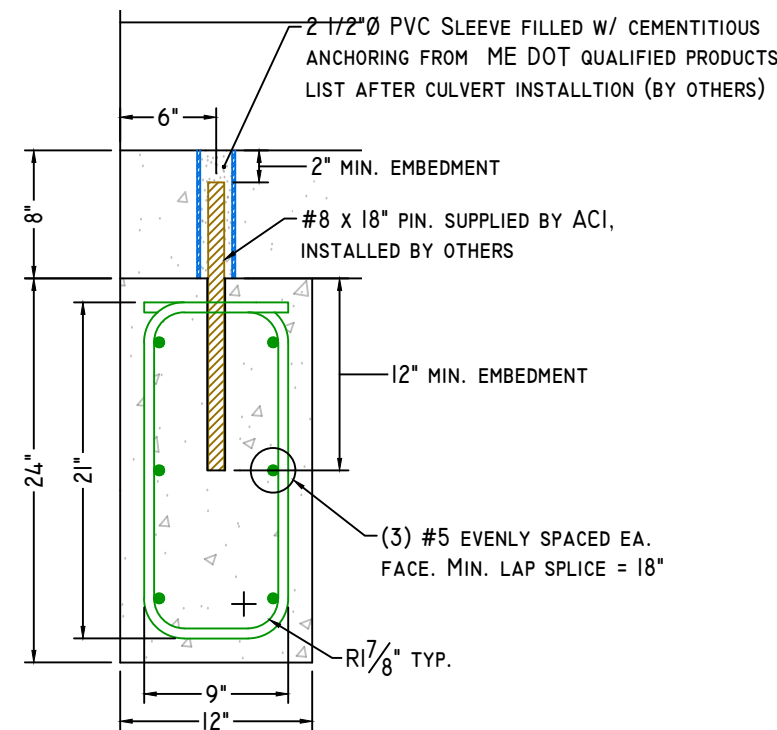


TOEWALL DETAIL

3/8" = 1'-0"

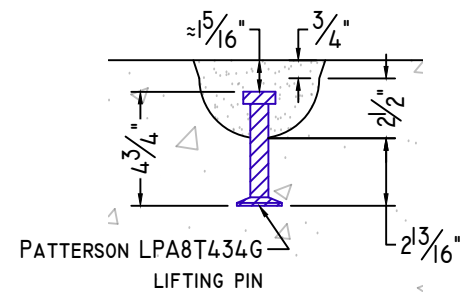


CLAMSHELL JOINT DETAIL

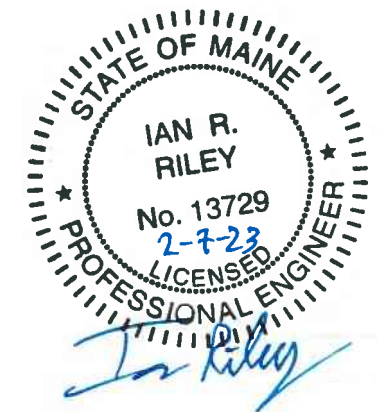


SECTION-A

1" = 1'-0"



8T 4 3/4" LIFTING PIN DETAIL



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

STRUCTURE NAME:
CULVERT 3: 8' x 6' x 82' (STA. 118+38)

JOB NAME:
US ROUTE I (WIN 20421.10)

LOCATION:
VAN BUREN, ME

CONTRACTOR:
ME DOT

DRAWN BY: SSM
DATE: 02/03/2023

REV.#: 0.00
DATE: 02/03/2023

D3.0

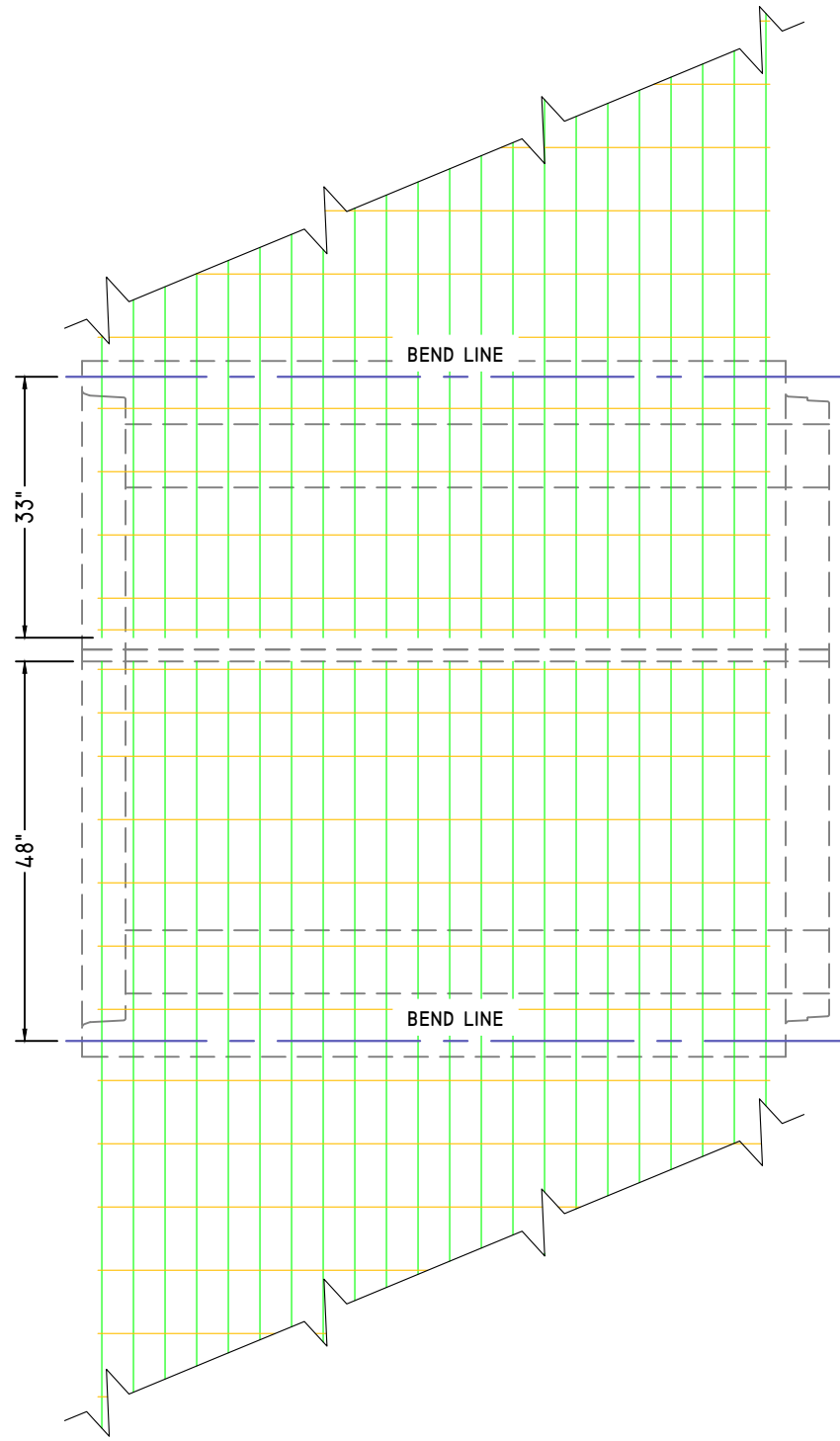
WELDED WIRE DETAILS



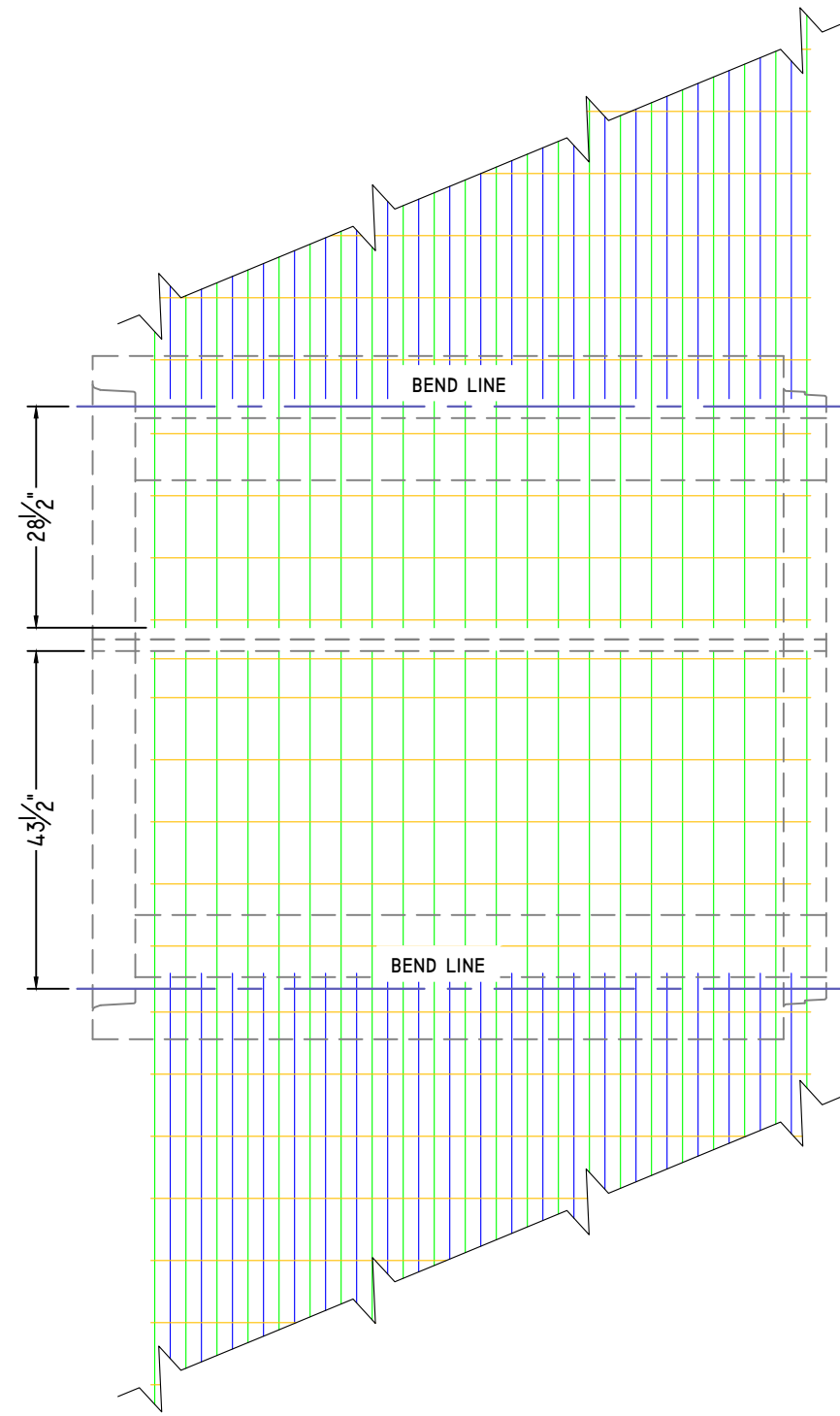
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BILL OF MATERIALS

ITEM	QTY	DESCRIPTION	WEIGHT# EA
INTENTIONALLY LEFT BLANK			



TYPICAL EXTERIOR



TYPICAL INTERIOR



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

STRUCTURE NAME:	CULVERT 3: 8' x 6' x 82' (STA. 118+38)	
JOB NAME:	US ROUTE 1 (WIN 20421.10)	
LOCATION:	VAN BUREN, ME	
CONTRACTOR:	ME DOT	

DRAWN BY:	DATE:
SSM	02/03/2023
REV.#:	DATE:
0.00	02/03/2023

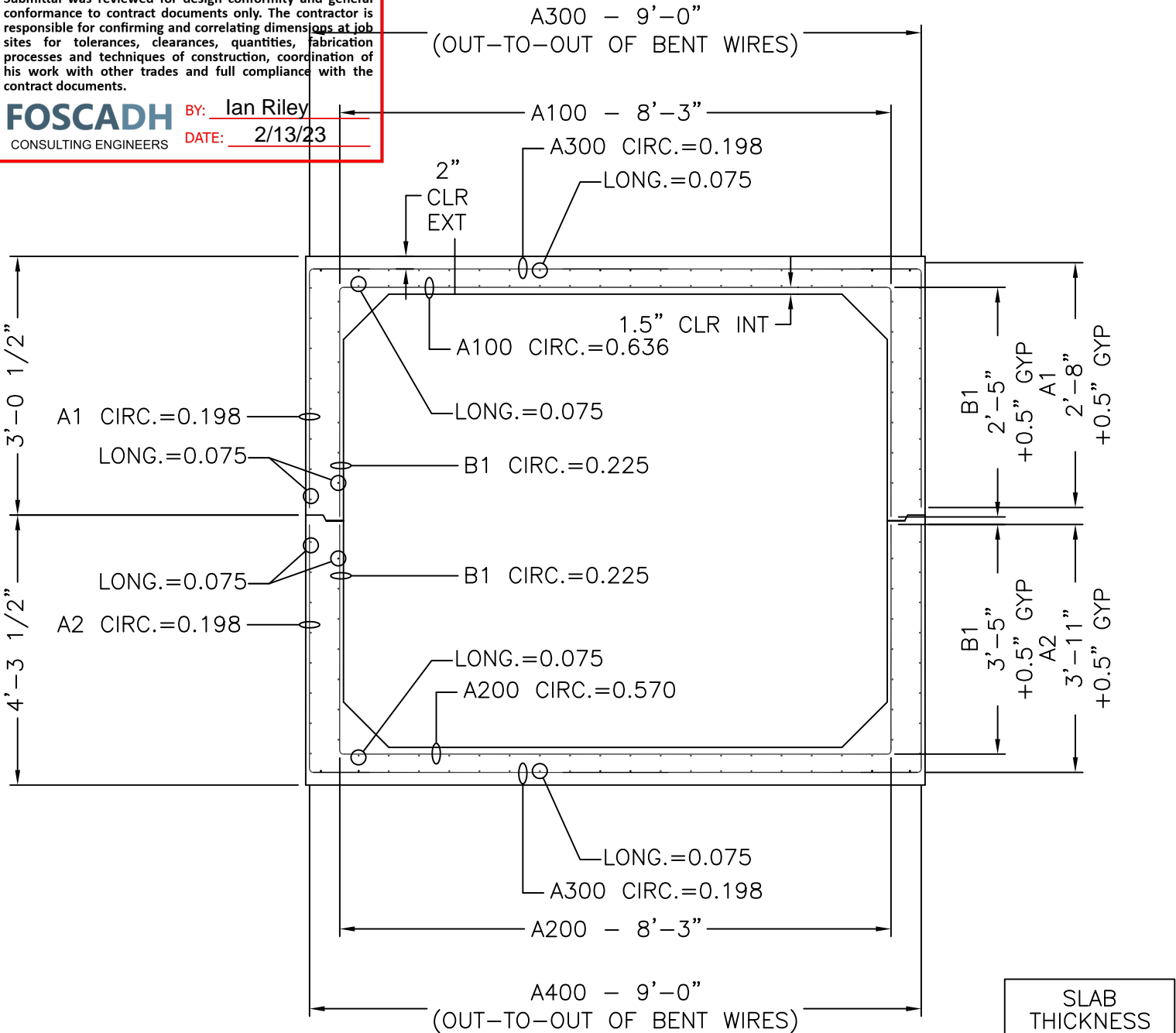
W3.0

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.

FOSCADH BY: Ian Riley
 CONSULTING ENGINEERS DATE: 2/13/23



8' x 6' x 7'-5"

CROSS SECTION WITH AREAS OF STEEL

SLAB THICKNESS	
TOP	8"
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 7'-5" JOINT = 608.0 lbs

BOX SIZE: 8' X 6' X 7'-5"	ASTM: HL-93	TABLE: 125%	FILL: -
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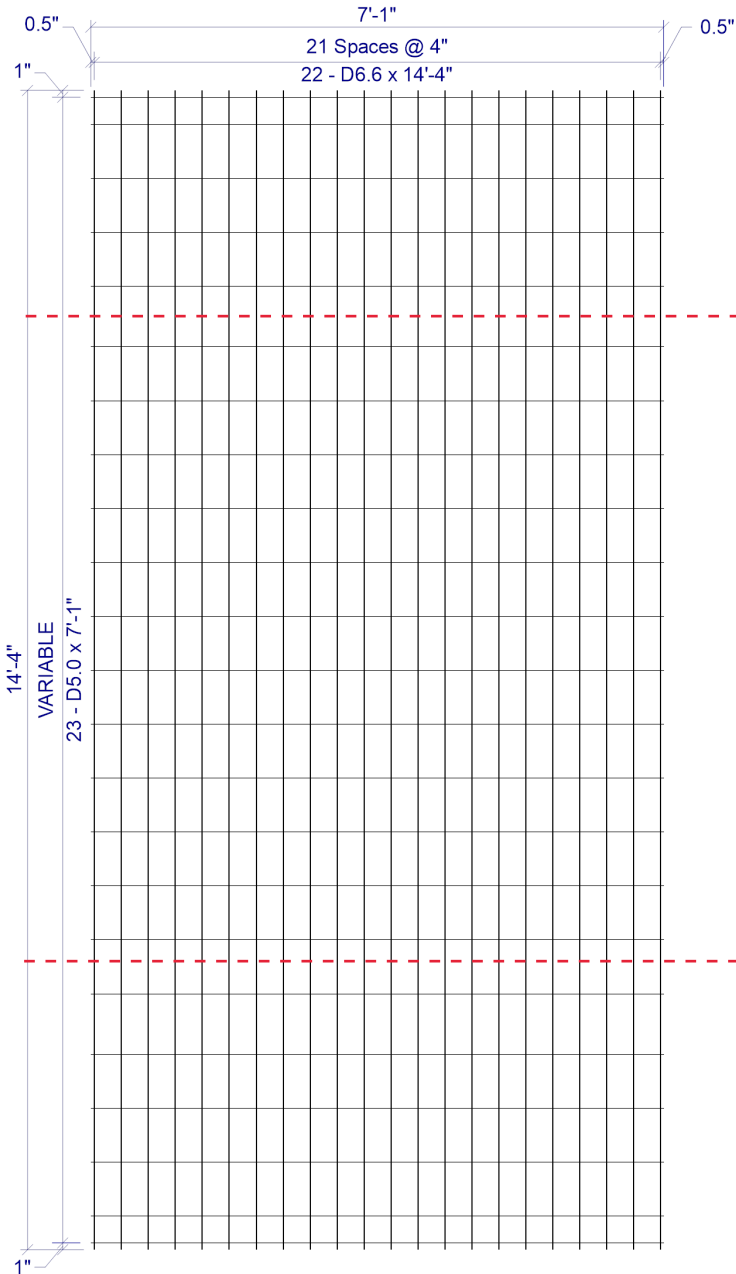
Concrete Reinforcements, Inc.
 3830 Presidents Way
 Jacksonville, FL 32220
 PH. 904-520-7100 FAX. 904-520-7101

CUSTOMER: AMERICAN CONCRETE	DRAWN BY: BWA	REVISION: -	SHEET DESCRIPTION: COVER	
PROJECT: 8' X 6' X 7'-5"	DATE: 2/3/2023	REVISION DATE: -	FILE NAME: F22-4380	
VAN BUREN #3	CHECKED BY: BWA	SCALE: NTS	PROJECT #: F22-4380	SHEET #: 1 OF 5

SHEET DESIGN



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



BEND LINE

BEND LINE

CUSTOMER American Concrete

PROJECT F22-4380 - Drawings - 8x6 Vanburen #3 - American - 1-23-2023

LOCATION Veazie, ME

DATE 02-02-2023 MARK NUMBER A1/A300(-01)

L.W.SPACE 4"

C.W.SPACE VAR

L.W.1 SIZE D6.6

L.W.2 SIZE N/A

C.W.SIZE D5.0

WIDTH 7'-1"

LENGTH 14'-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	22	N/A
SIZE	D6.6	N/A	D5.0
LENGTH	14'-4"	-	7'-1"
W.T./SHEET			
SHEET W.T.	108.20#		
QUANTITY	11		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

SPECIAL REMARKS:
 BEND DIMS: SLAB=108", WALLS=32" (+0.5" GYP)

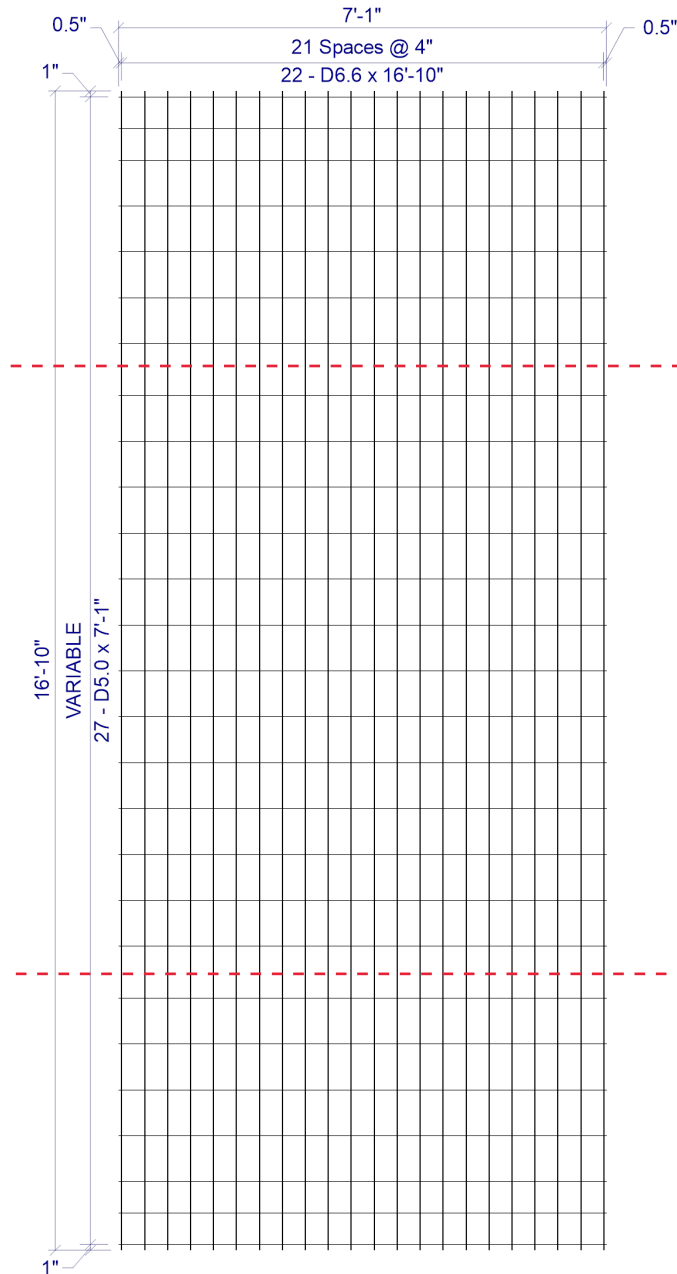
4 x VAR D6.6 / D5.0 (GRADE 75) 84(+0.5, +0.5) x 14'-4" (1, 1)
 VAR = 1" OH, 1@4", 3@8", 1@9", 12@8", 1@9", 3@8", 1@4", 1" OH

APPROVED _____

SHEET DESIGN



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



BEND LINE

BEND LINE

CUSTOMER American Concrete
 PROJECT F22-4380 - Drawings - 8x6 Vanburen #3 - American - 1-23-2023
 LOCATION Veazie, ME
 DATE 02-02-2023 MARK NUMBER A2/A400 (-02)

L.W.SPAC 4"
 C.W.SPAC VAR
 L.W.1 SIZE D6.6
 L.W.2 SIZE N/A
 C.W.SIZE D5.0
 WIDTH 7'-1"
 LENGTH 16'-10"
 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	N/A
SIZE	D6.6	N/A	D5.0
LENGTH	16'-10"	-	7'-1"
W.T./SHEET			
SHEET W.T.	130.20#		
QUANTITY	11		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

SPECIAL REMARKS:
 BEND DIMS: SLAB=108", WALLS=47" (+0.5"GYP)

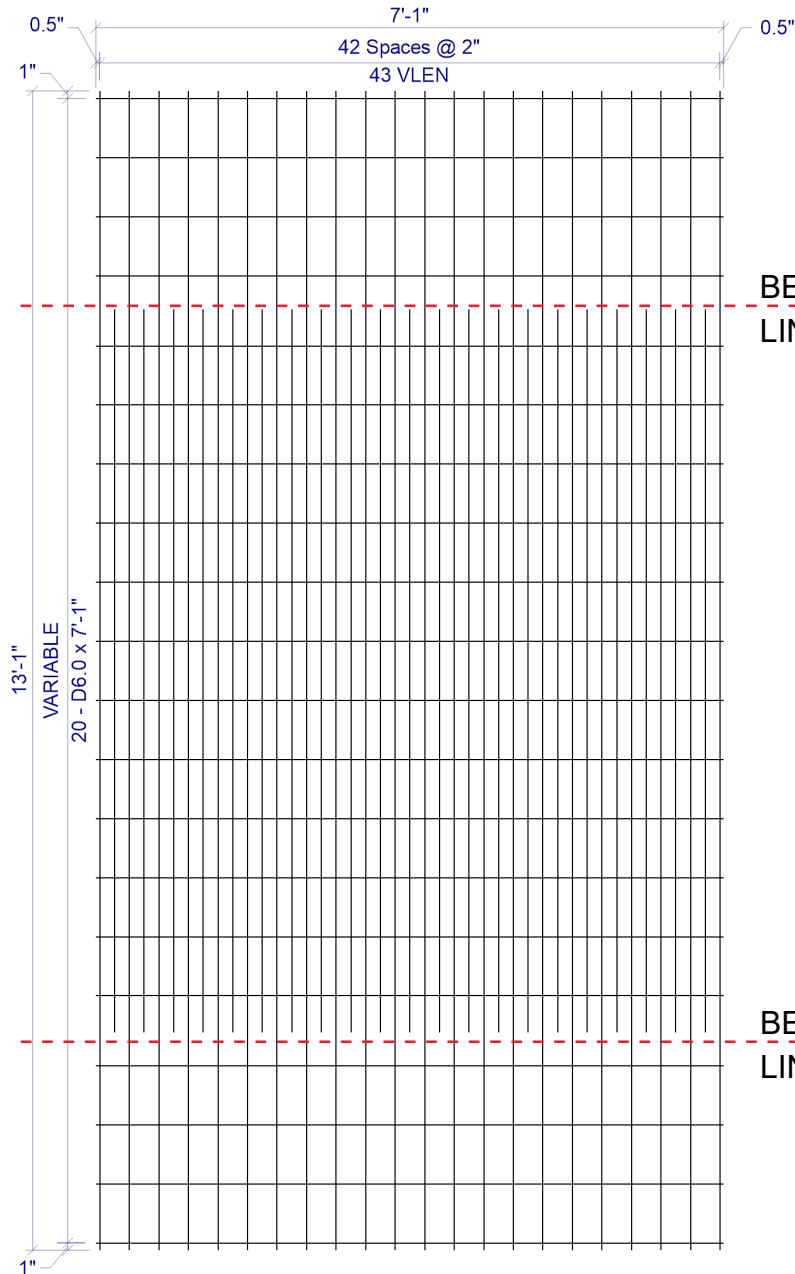
4 x VAR D6.6 / D5.0 (GRADE 75) 84(+0.5, +0.5) x 16'-10" (1, 1)
 VAR = 1" OH, 2@5.5", 4@8", 1@9", 12@8", 1@9", 4@8", 2@5.5", 1" OH

APPROVED _____

SHEET DESIGN



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



BEND LINE

BEND LINE

CUSTOMER American Concrete

PROJECT F22-4380 - Drawings - 8x6 Vanburen #3 - American - 1-23-2023

LOCATION Veazie, ME

DATE 02-02-2023 MARK NUMBER B1/A100(-03)

L.W.SPACE 2"

C.W.SPACE VAR

L.W.1 SIZE D7.5

L.W.2 SIZE D13.7

C.W.SIZE D6.0

WIDTH 7'-1"

LENGTH 13'-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	22	21
SIZE	D7.5	D13.7	D6.0
LENGTH	13'-1"	8'-2"	7'-1"
W.T./SHEET			
SHEET W.T.	189.80#		
QUANTITY	11		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

SPECIAL REMARKS:
 BEND DIMS: SLAB=99", WALLS=29" (+0.5 GYP)

2 x VAR D7.5 / D13.7 / D6.0 (GRADE 75) 84"(+0.5", +0.5") x VLEN(1", 1")

VLEN = ALTERNATING LENGTH 8'-2" & 13'-1" WITH 13'-1" @ LHS & RHS

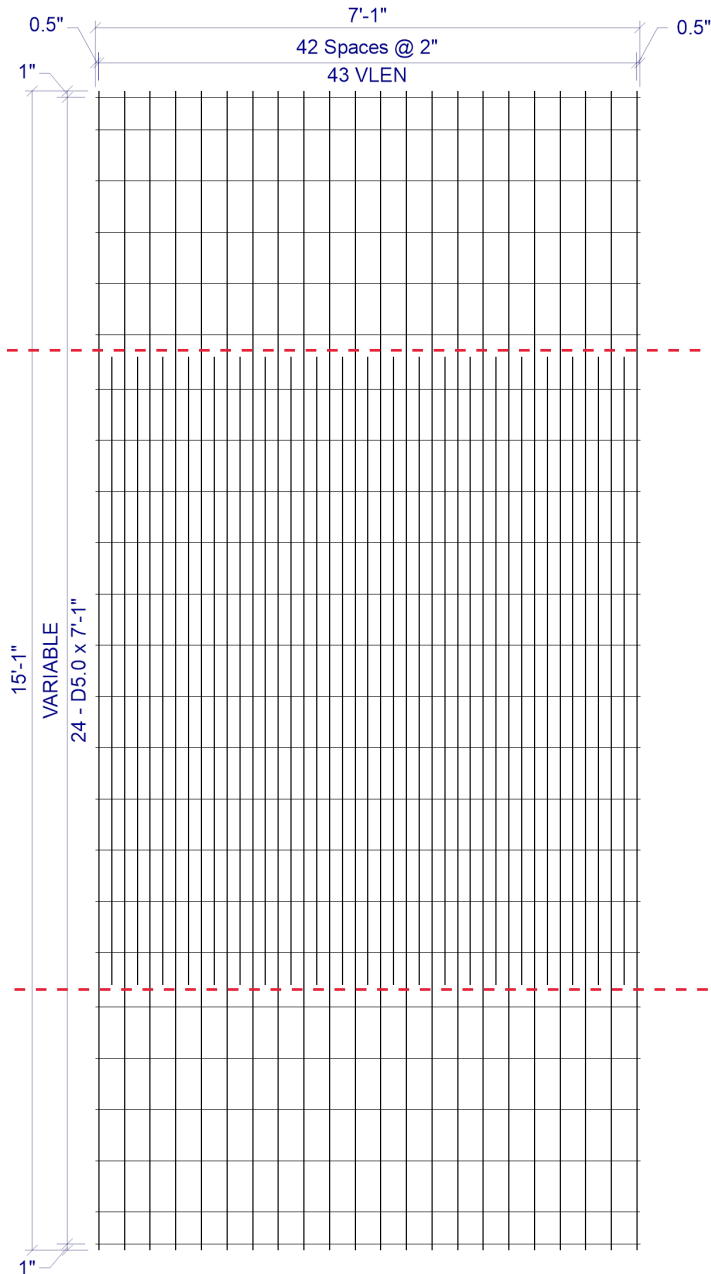
VAR = 1" OH, 3@8", 1@9.5", 11@8", 1@9.5", 3@8", 1" OH

APPROVED _____

SHEET DESIGN



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



BEND LINE

BEND LINE

CUSTOMER American Concrete

PROJECT F22-4380 - Drawings - 8x6 Vanburen #3 - American - 1-23-2023

LOCATION Veazie, ME

DATE 02-02-2023 MARK NUMBER B1/A200 (-04)

L.W.SPAC 2"

C.W.SPAC VAR

L.W.1 SIZE D7.5

L.W.2 SIZE D11.5

C.W.SIZE D5.0

WIDTH 7'-1"

LENGTH 15'-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	22	21
SIZE	D7.5	D11.5	D5.0
LENGTH	15'-1"	8'-2"	7'-1"
W.T./SHEET			
SHEET W.T.	180.60#		
QUANTITY	11		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

SPECIAL REMARKS:
 BEND DIMS: SLAB=99", WALL=41" (+0.5"GYP)

2 x VAR D7.5 / D11.5 / D5.0 (GRADE 75) 84"(+0.5", +0.5") x VLEN(1", 1")

VLEN = ALTERNATING LENGTH 8'-2" & 15'-1" WITH 15'-1" @ LHS & RHS

VAR = 1" OH, 1@5", 4@8", 1@8.5", 11@8", 1@8.5", 4@8", 1@5", 1" OH

APPROVED _____

OVERALL



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	11,240
2	1	UPSTREAM END BOTTOM	12,930
3	9	MID SECTION TOP	10,965
4	9	MID SECTION BOTTOM	12,630
5	1	DOWNSTREAM END TOP	10,700
6	1	DOWNSTREAM END BOTTOM	12,310
9	2	1' x 2' x 9'-4" TOEWALL	2,795
10	14	#8 x 18" TOEWALL PIN (SHIPPED LOOSE)	

DESIGN NOTES:

- Concrete**
 - 1.1. COMP. STRENGTH MIN. 5,000PSI @ 28 DAYS
 - 1.2. AIR-ENTRAINMENT: 5.5% MIN - 7.5% 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 (WHEN REQUIRED.)
 - 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. JOINTS SEALED WITH BUTYL RUBBER SEALANT.
 - 3.2. ALL JOINTS FILLED W/ NON-SHRINK GROUT AFTER INSTALLATION.
- Soil / Fill Requirements:**
 - MINIMUM ALLOWABLE FILL: 4.50'
 - MAXIMUM ALLOWABLE FILL: 5.00'

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

STRUCTURE NAME:
 CULVERT 3: 8' x 6' x 82' (STA. 118+38)

JOB NAME:
 US ROUTE 1 (WIN 20421.10)

LOCATION:
 VAN BUREN, ME

CONTRACTOR:
 ME DOT

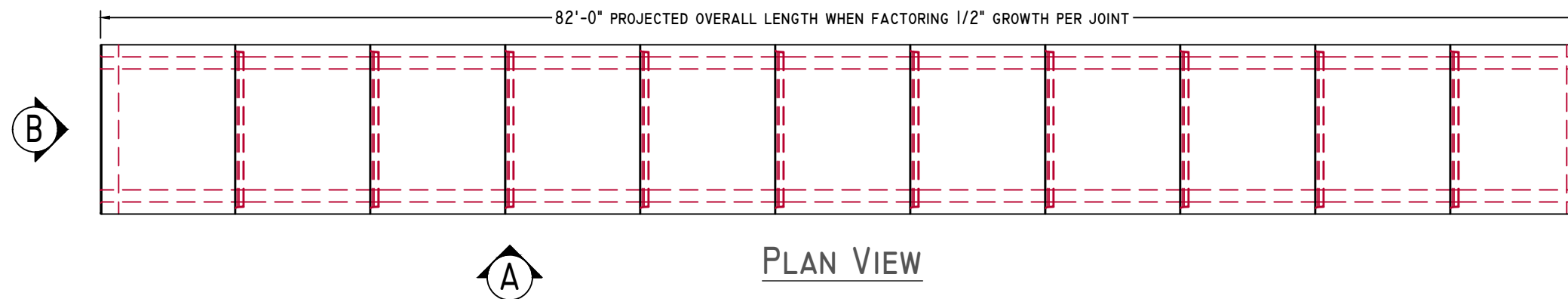
DRAWN BY:
 SSM

DATE:
 02/03/2023

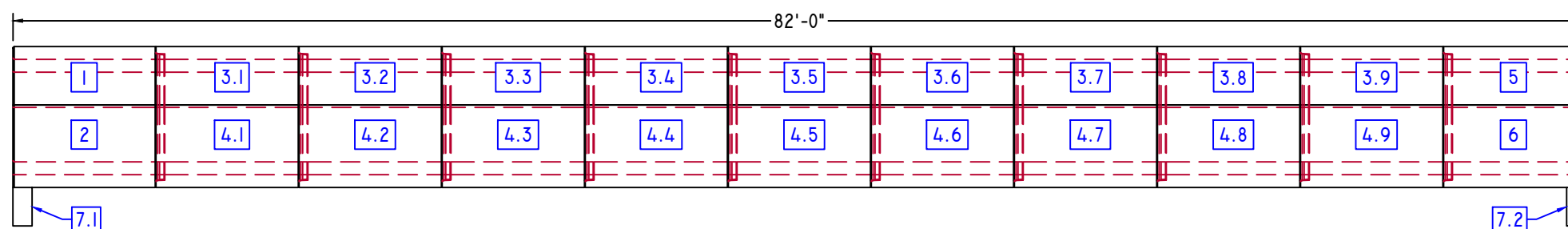
REV.#:
 0.00

DATE:
 02/03/2023

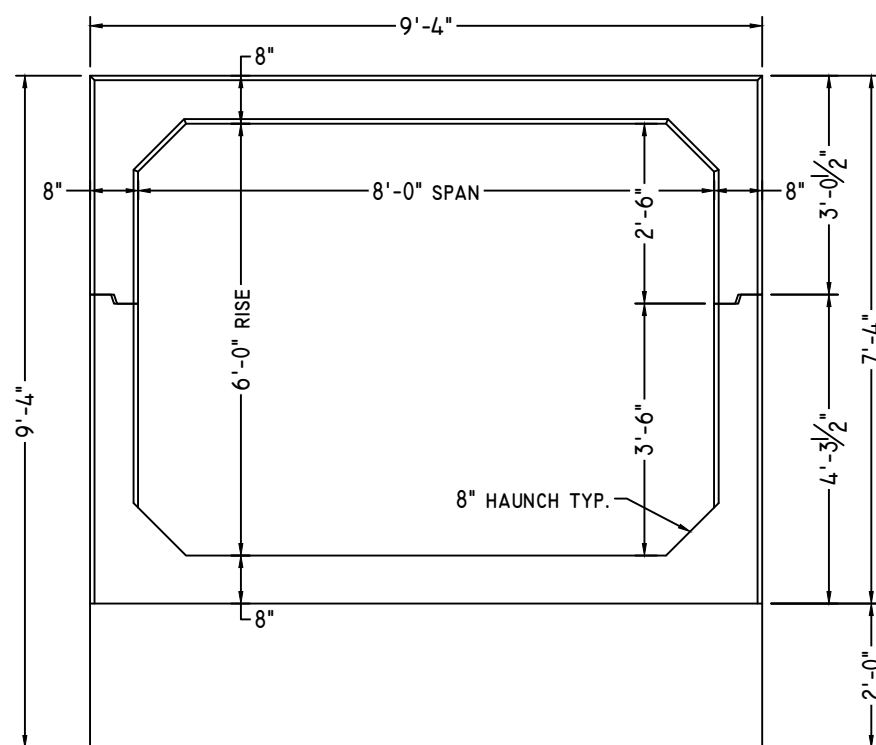
C3.0



PLAN VIEW

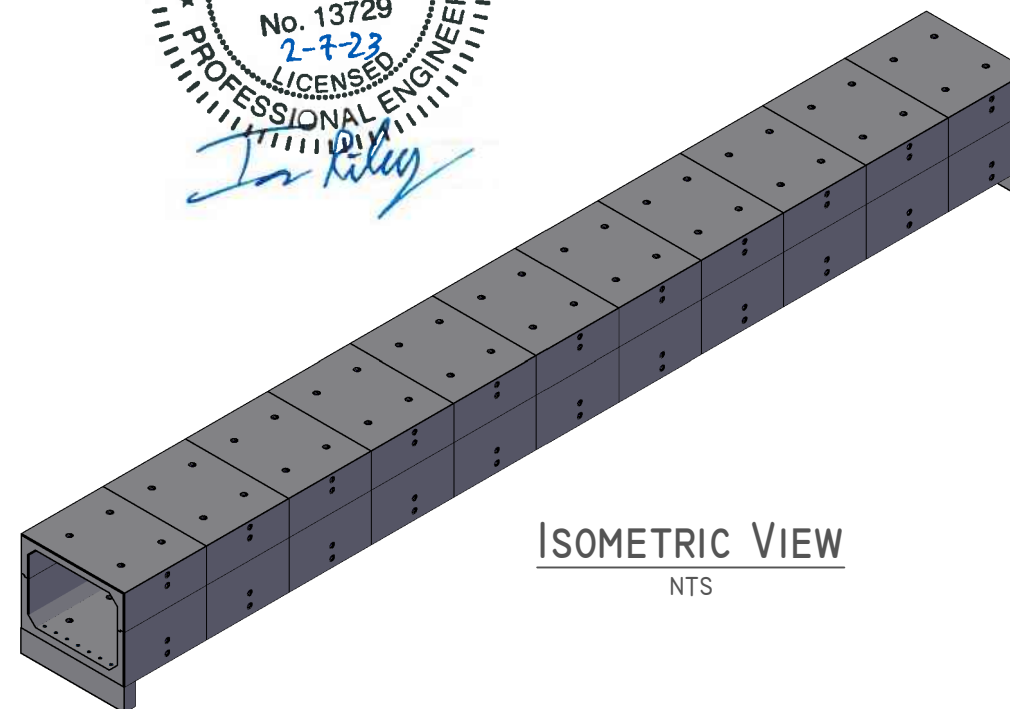
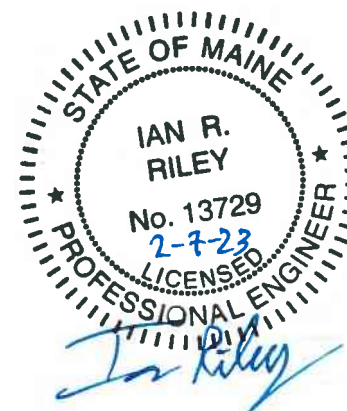


ELEVATION-A



ELEVATION-B

3/8" = 1'-0"



ISOMETRIC VIEW

NTS

UPSTREAM END



American Concrete Industries

1717 STILLWATER AVE. VEAZIE, ME. 04401

TEL: 207-947-8334

FAX: 207-947-3580

WWW.AMERICANCONCRETE.COM

BILL OF MATERIALS

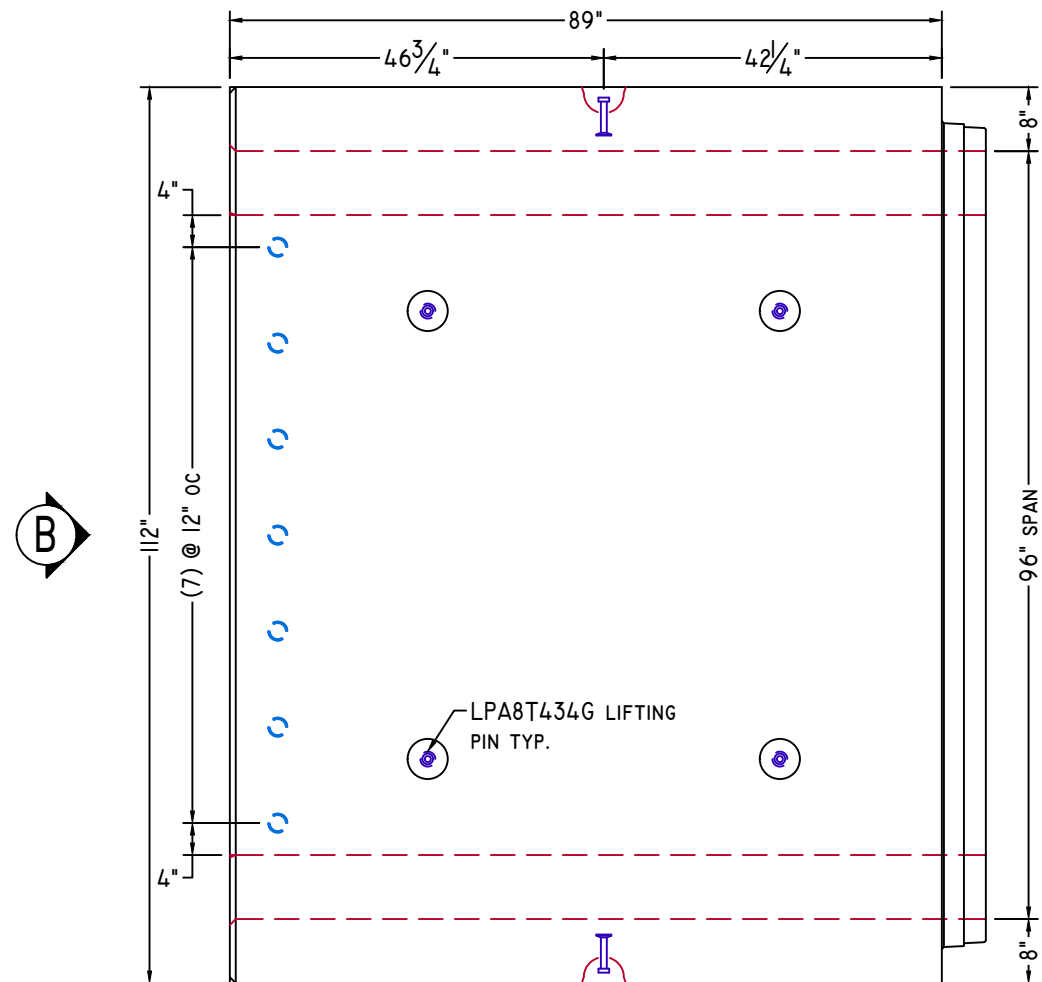
ITEM	QTY	DESCRIPTION	WEIGHT# EA
1	1	UPSTREAM END TOP	11,240
2	1	UPSTREAM END BOTTOM	12,930

DESIGN NOTES:

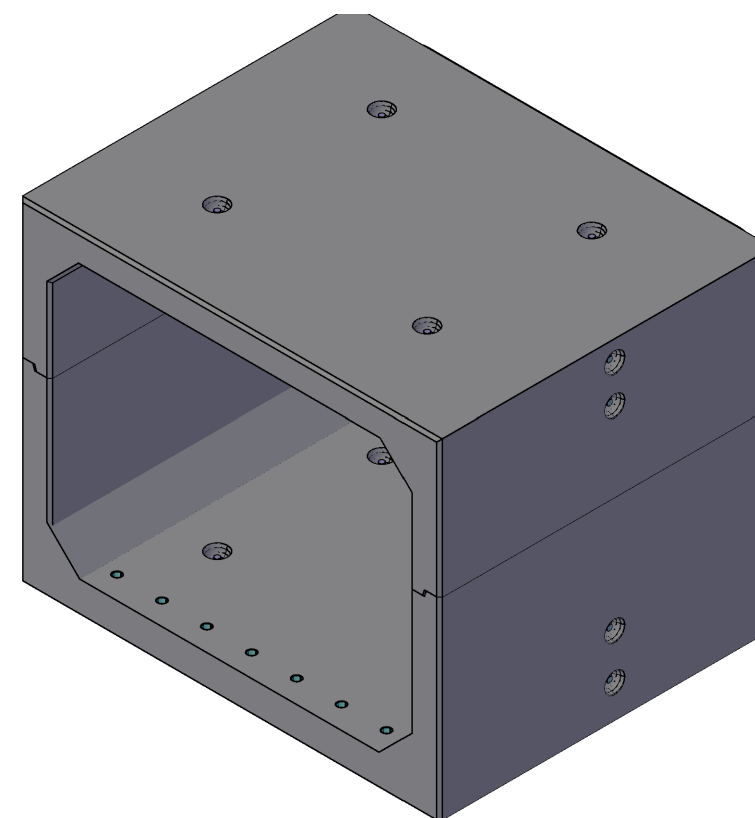
1. **Concrete**
 - 1.1. COMP. STRENGTH MIN. 5,000PSI @ 28 DAYS
 - 1.2. AIR-ENTRAINMENT: 5.5% MIN - 7.5% MAX
2. **Structural Reinforcement:**
 - 2.1. BAR PER ASTM A615, GRADE 60
 - 2.2. WWF PER ASTM A1064, GRADE 75
 - 2.3. SUPPLEMENTAL REINFORCING AS SHOWN (WHEN REQUIRED.)
 - 2.4. DESIGNED FOR 125% HL-93 WHEEL LOAD RATING
 - 2.5. 2" CLR EXT., 1 1/2" CLR INT. UNLESS NOTED OTHERWISE
3. **Manufacturing / Installation:**
 - 3.1. JOINTS SEALED WITH BUTYL RUBBER SEALANT.
 - 3.2. ALL JOINTS FILLED W/ NON-SHRINK GROUT AFTER INSTALLATION.
 - 3.3. STANDARD BOLT POCKETS W/ 3/4"Ø GALVANIZED HARDWARE USED TO HOLD SECTIONS WITH FLAT JOINTS TOGETHER.
4. **Soil / Fill Requirements:**

MINIMUM ALLOWABLE FILL: 4.50'

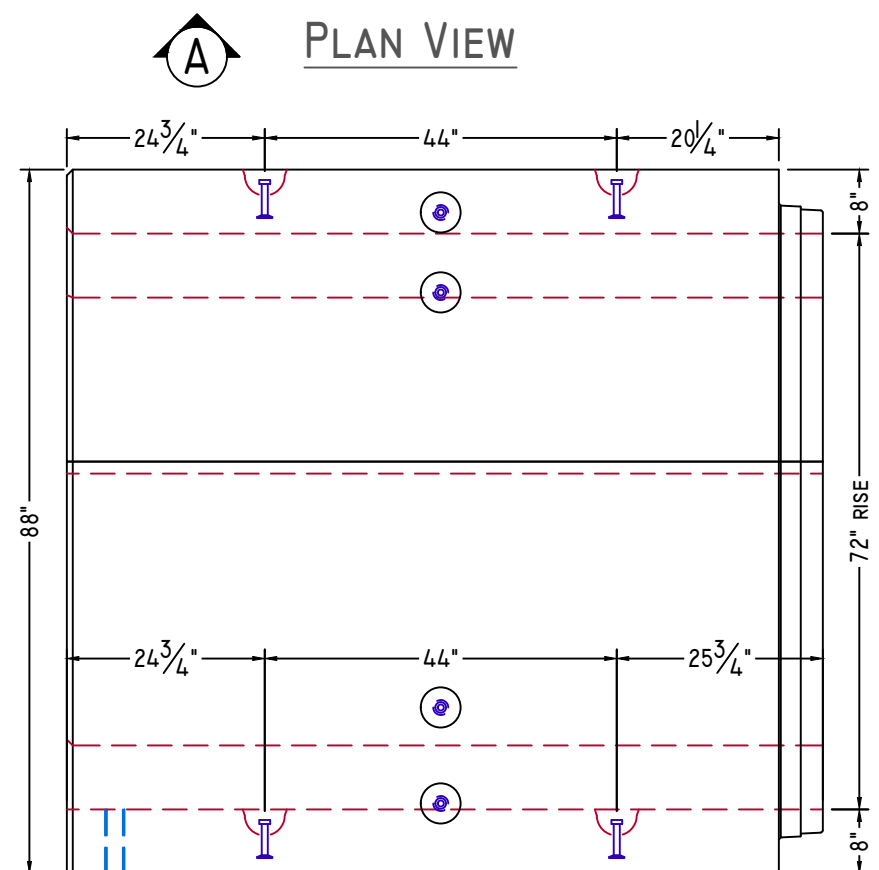
MAXIMUM ALLOWABLE FILL: 5.00'



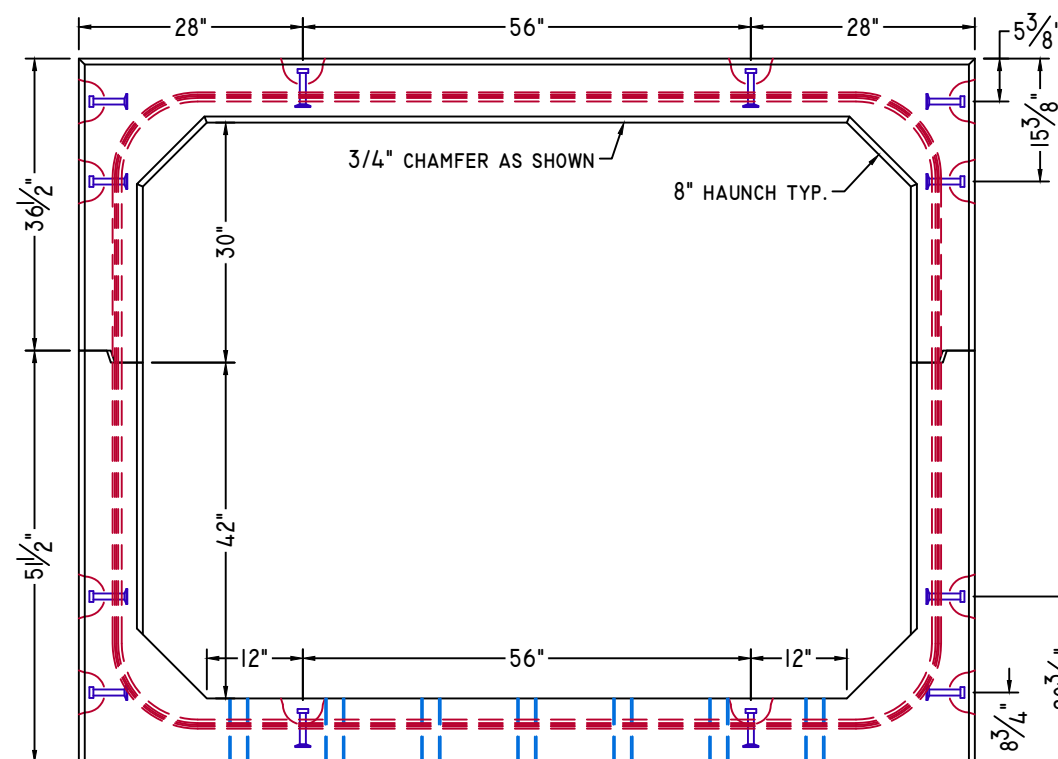
PLAN VIEW



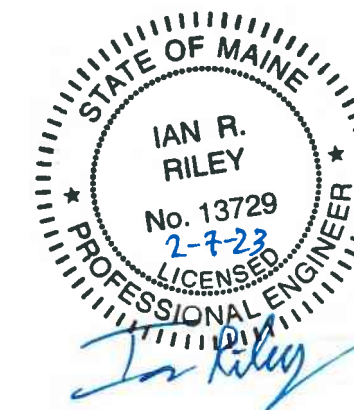
ISOMETRIC VIEW
NTS



ELEVATION-A



ELEVATION-B



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

STRUCTURE NAME:
CULVERT 3: 8' x 6' x 82' (STA. 118+38)

JOB NAME:
US ROUTE I (WIN 20421.10)

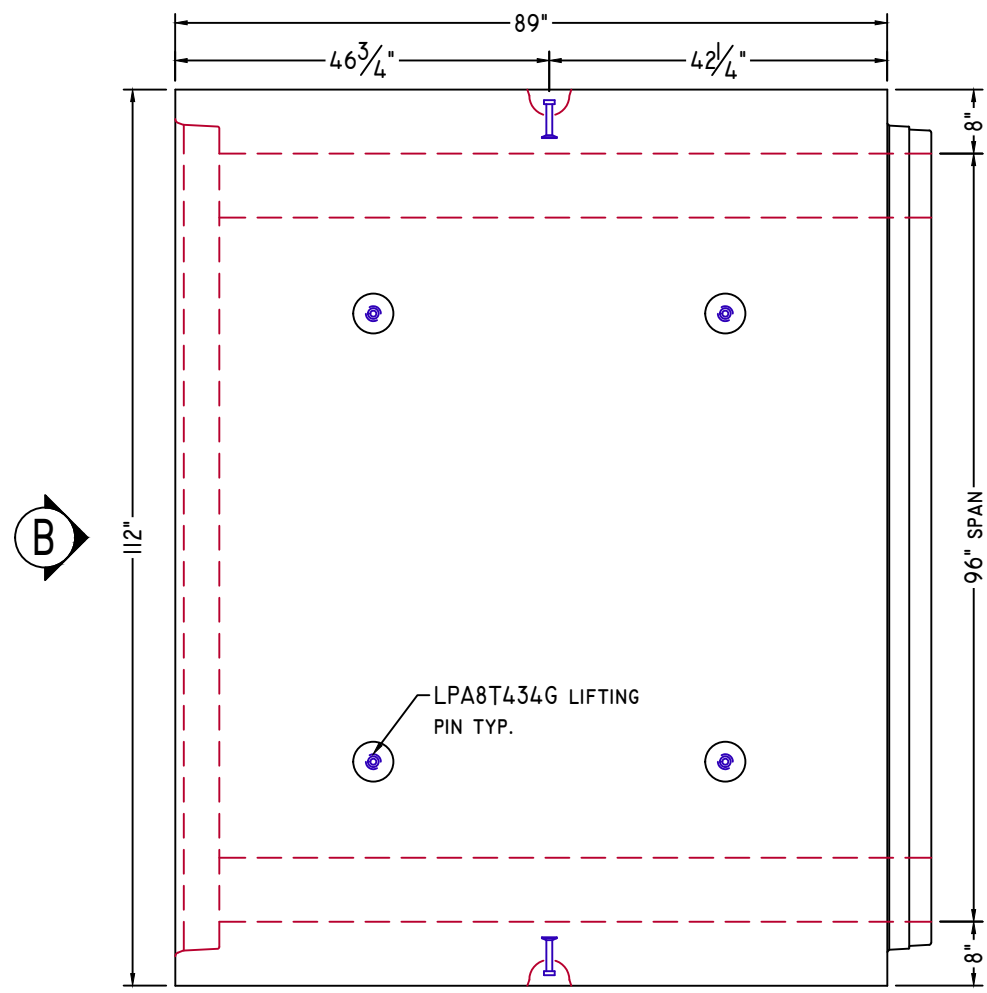
LOCATION:
VAN BUREN, ME

CONTRACTOR:
ME DOT

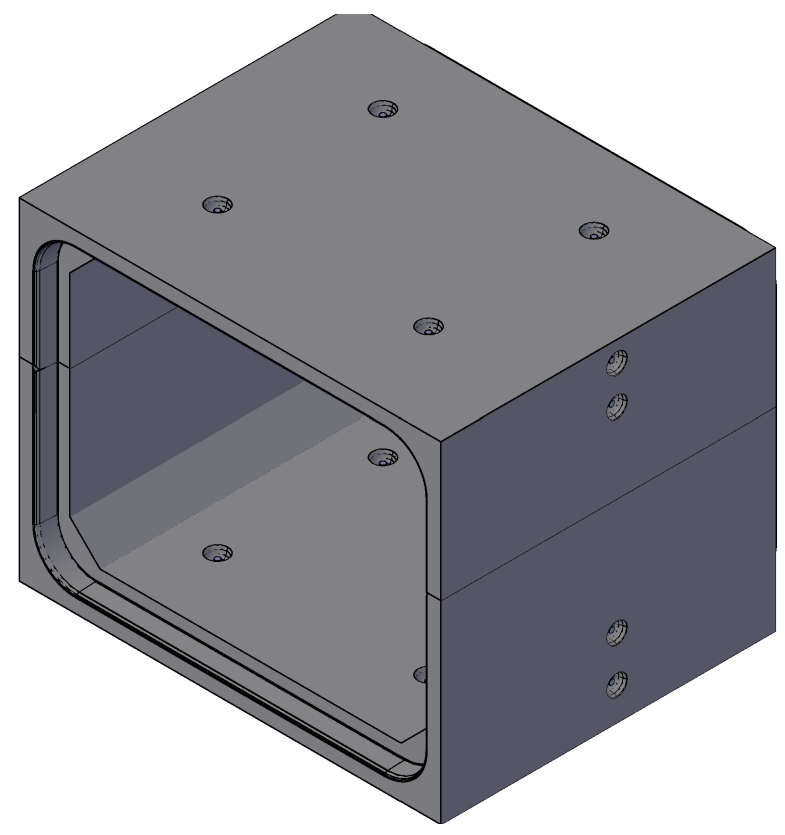
DRAWN BY: SSM DATE: 02/03/2023

REV.#: 0.00 DATE: 02/03/2023

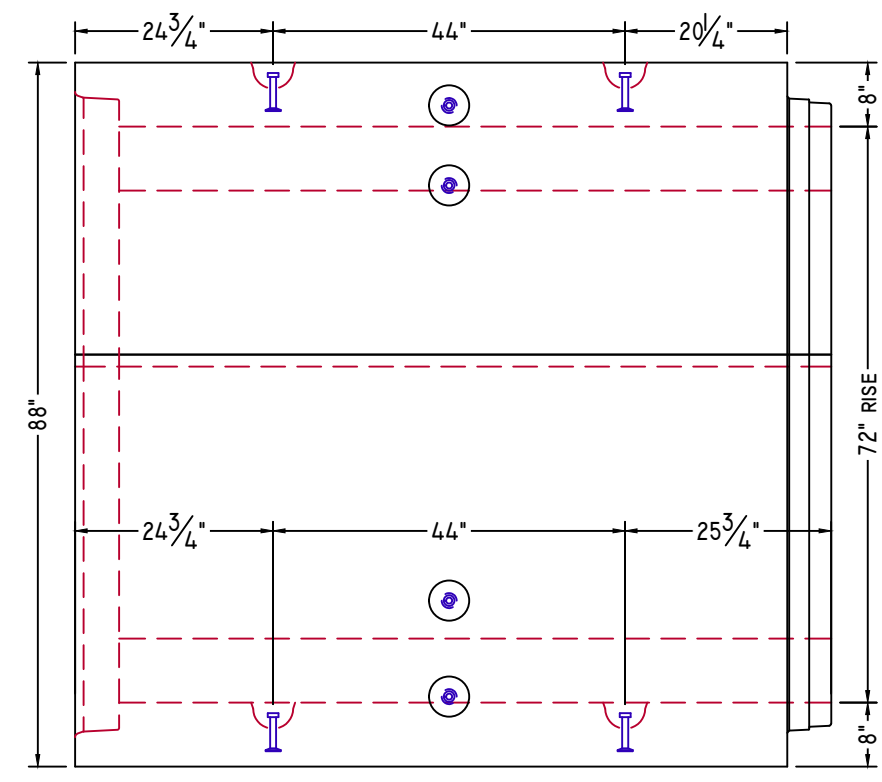
C3.1



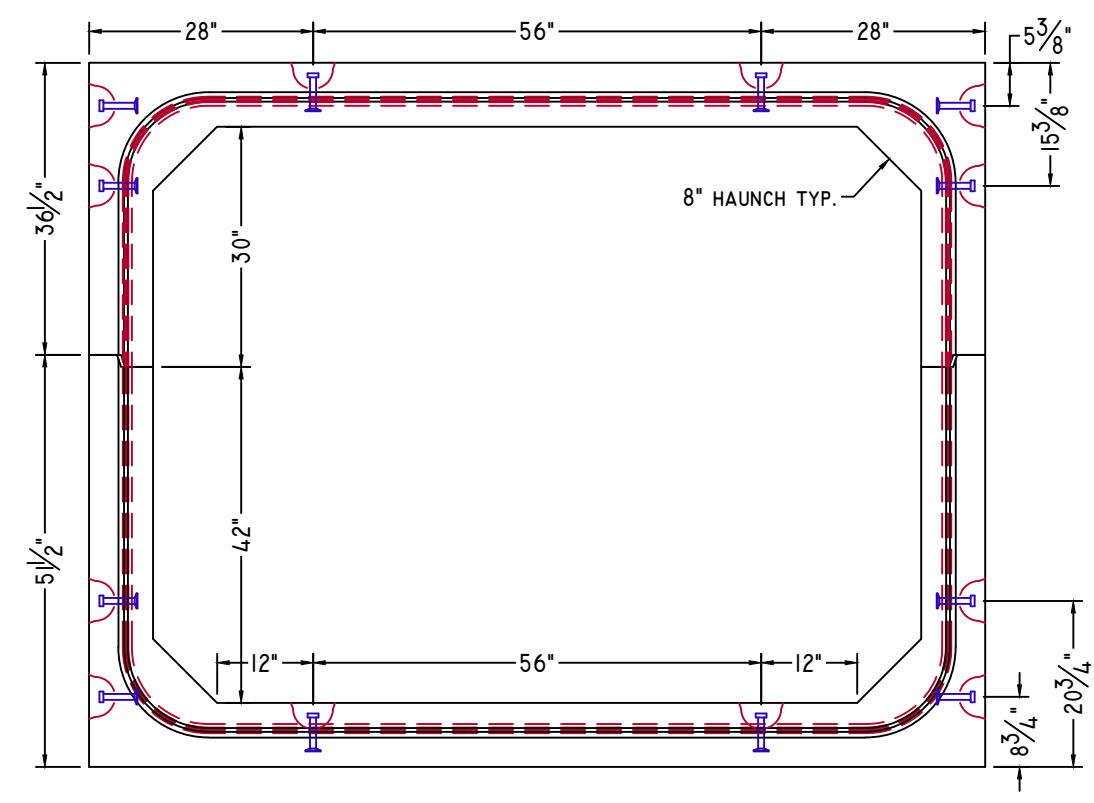
PLAN VIEW



ISOMETRIC VIEW
NTS



ELEVATION-A



ELEVATION-B

MID SECTION

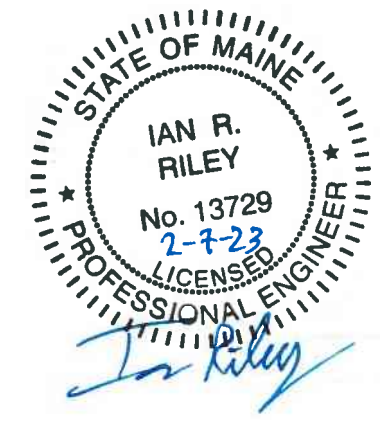


American Concrete Industries
 1717 STILLWATER AVE. VEAZIE, ME. 04401
 TEL: 207-947-8334
 FAX: 207-947-3580
 WWW.AMERICANCONCRETE.COM

BILL OF MATERIALS

ITEM	QTY	DESCRIPTION	WEIGHT# EA
3	8	MID SECTION TOP	10,965
4	8	MID SECTION BOTTOM	12,630

- DESIGN NOTES:**
- Concrete**
 - 1.1. COMP. STRENGTH MIN. 5,000PSI @ 28 DAYS
 - 1.2. AIR-ENTRAINMENT: 5.5% MIN - 7.5% 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 (WHEN REQUIRED.)
 - 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. JOINTS SEALED WITH BUTYL RUBBER SEALANT.
 - 3.2. ALL JOINTS FILLED W/ NON-SHRINK GROUT AFTER INSTALLATION.
 - 3.3. STANDARD BOLT POCKETS W/ 3/4"Ø GALVANIZED HARDWARE USED TO HOLD SECTIONS WITH FLAT JOINTS TOGETHER.
 - Soil / Fill Requirements:**
 - MINIMUM ALLOWABLE FILL: 4.50'
 - MAXIMUM ALLOWABLE FILL: 5.00'



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

STRUCTURE NAME: CULVERT 3: 8' x 6' x 82' (STA. 118+38)
 JOB NAME: US ROUTE I (WIN 20421.10)
 LOCATION: VAN BUREN, ME
 CONTRACTOR: ME DOT

DRAWN BY:	DATE:
SSM	02/03/2023
REV.#:	DATE:
0.00	02/03/2023

C3.2

DOWNSTREAM END



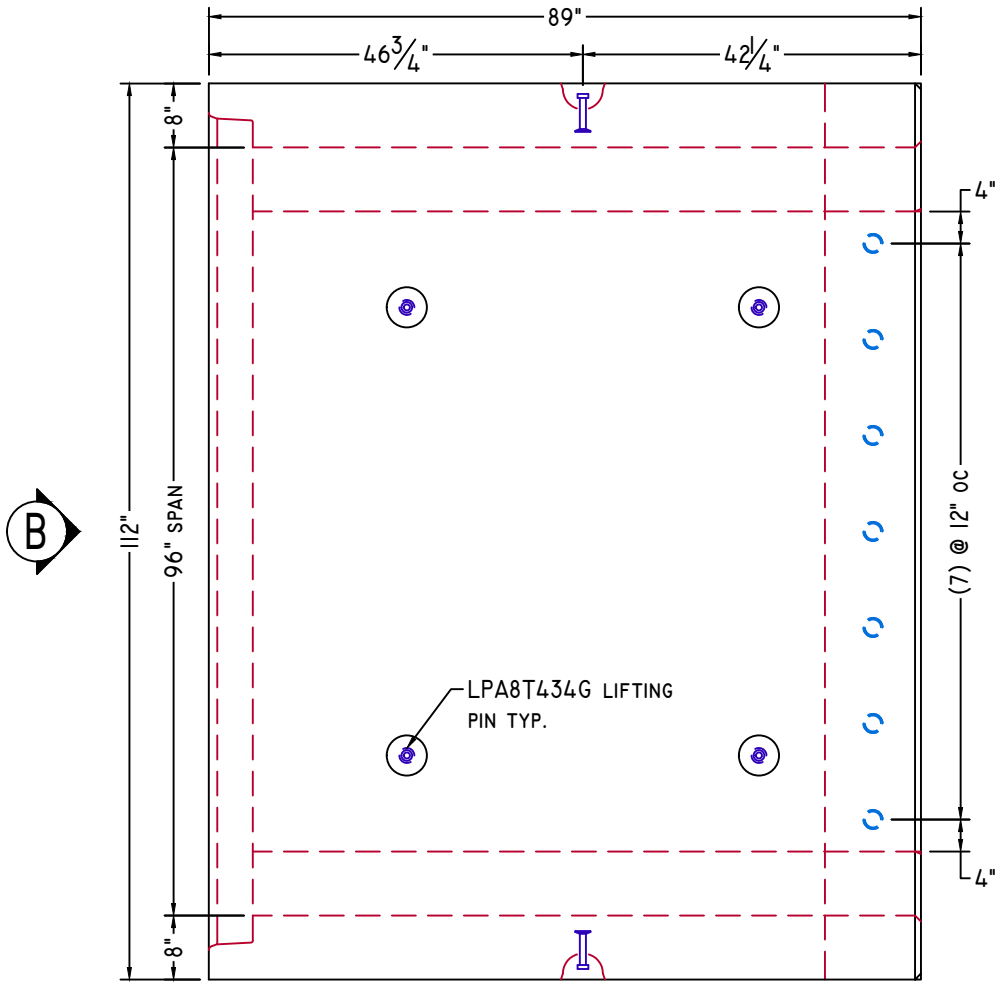
American Concrete Industries
 1717 STILLWATER AVE. VEAZIE, ME. 04401
 TEL: 207-947-8334
 FAX: 207-947-3580
 WWW.AMERICANCONCRETE.COM

BILL OF MATERIALS

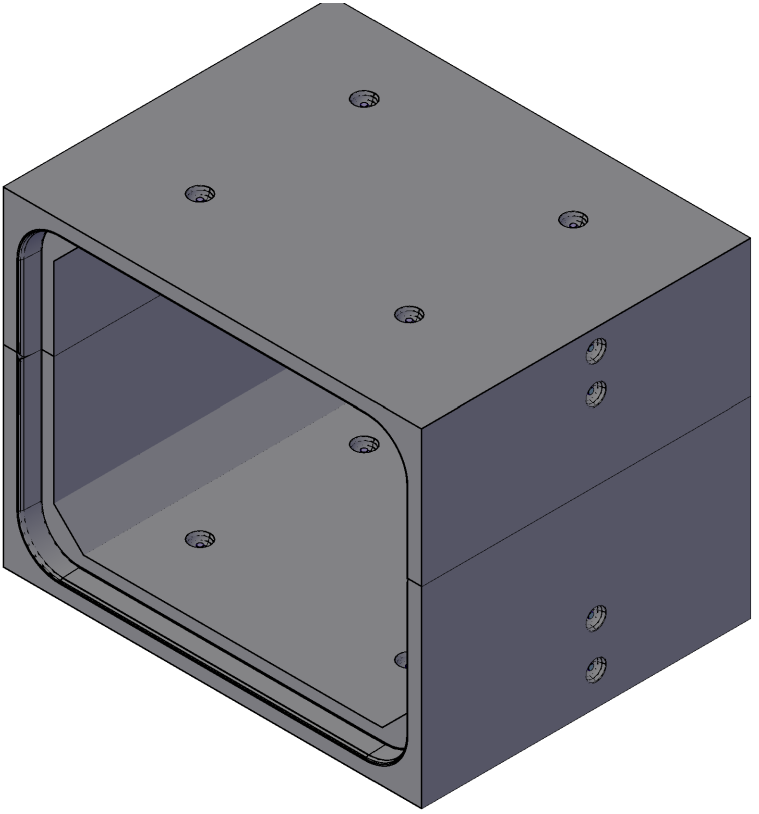
ITEM	QTY	DESCRIPTION	WEIGHT# EA
5	1	DOWNSTREAM END TOP	10,700
6	1	DOWNSTREAM END BOTTOM	12,310

- DESIGN NOTES:
- Concrete**
 - 1.1. COMP. STRENGTH MIN. 5,000PSI @ 28 DAYS
 - 1.2. AIR-ENTRAINMENT: 5.5% MIN - 7.5% 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 (WHEN REQUIRED.)
 - 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. JOINTS SEALED WITH BUTYL RUBBER SEALANT.
 - 3.2. ALL JOINTS FILLED W/ NON-SHRINK GROUT AFTER INSTALLATION.
 - 3.3. STANDARD BOLT POCKETS W/ 3/4"Ø GALVANIZED HARDWARE USED TO HOLD SECTIONS WITH FLAT JOINTS TOGETHER.
 - Soil / Fill Requirements:**

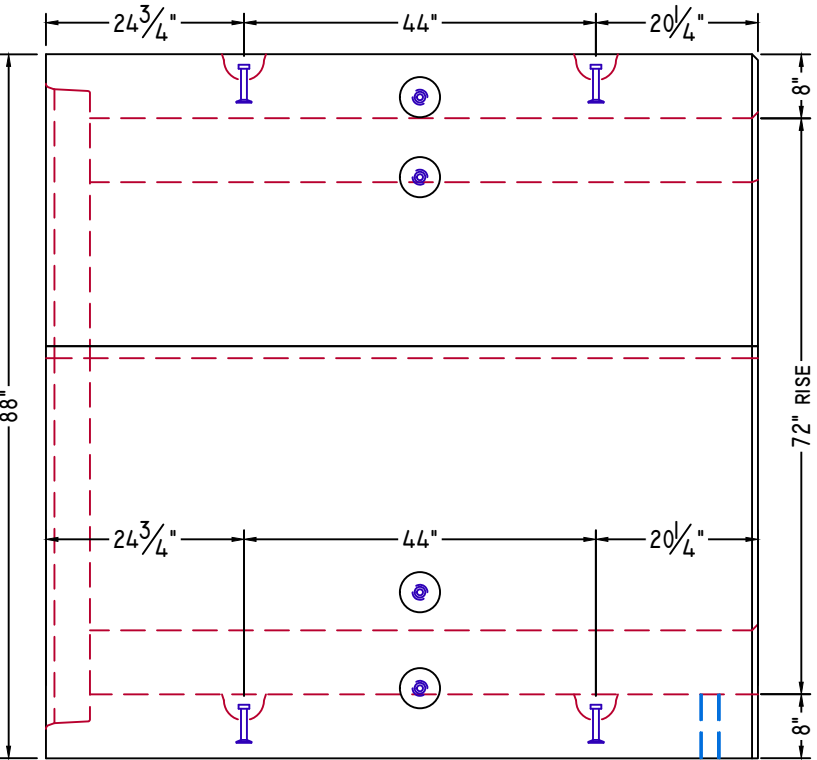
MINIMUM ALLOWABLE FILL: 2.75'
 MAXIMUM ALLOWABLE FILL: 3.25'



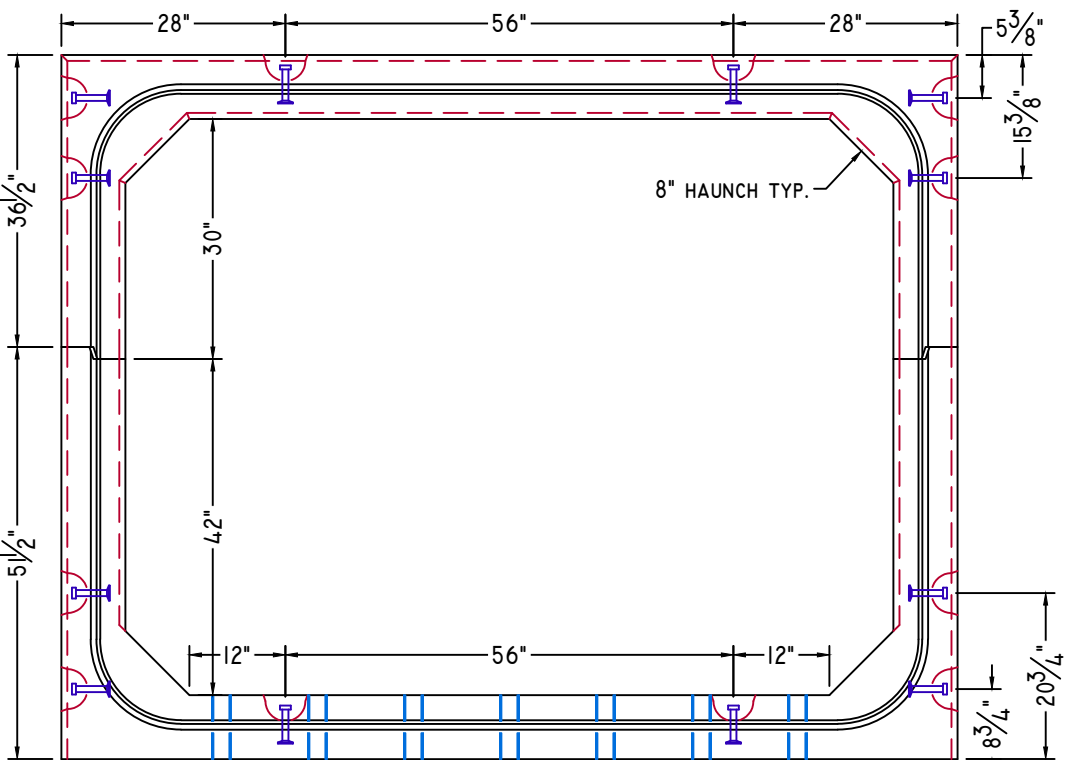
PLAN VIEW



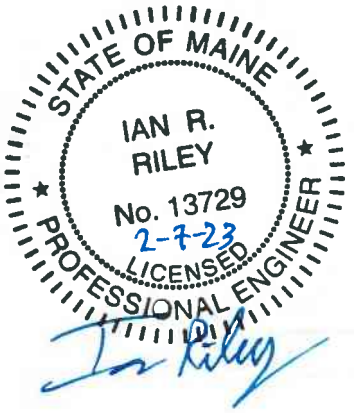
ISOMETRIC VIEW
NTS



ELEVATION-A



ELEVATION-B



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

STRUCTURE NAME:
 CULVERT 3: 8' x 6' x 82' (STA. 118+38)

JOB NAME:
 US ROUTE I (WIN 20421.10)

LOCATION:
 VAN BUREN, ME

CONTRACTOR:
 ME DOT

DRAWN BY: SSM	DATE: 02/03/2023	C3.3
REV.#: 0.00	DATE: 02/03/2023	

STANDARD DETAILS



American Concrete Industries

1717 STILLWATER AVE. VEAZIE, ME. 04401

TEL: 207-947-8334

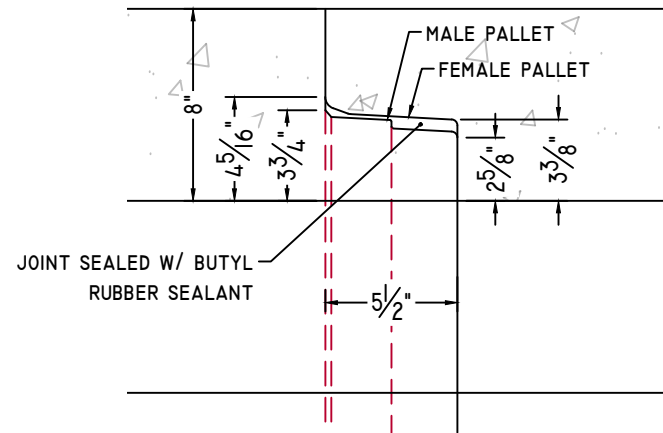
FAX: 207-947-3580

WWW.AMERICANCONCRETE.COM

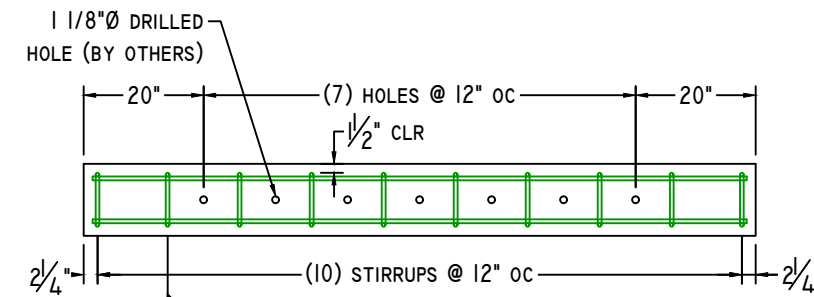
BILL OF MATERIALS

ITEM	QTY	DESCRIPTION	WEIGHT# EA
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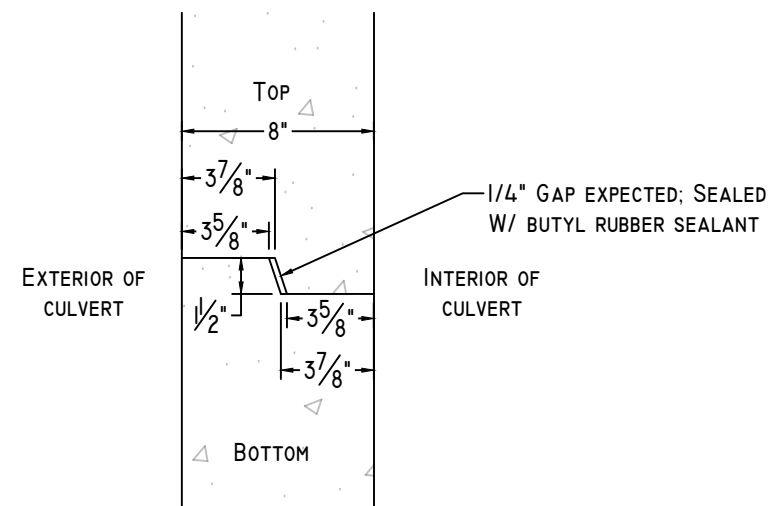


CULVERT JOINT DETAIL

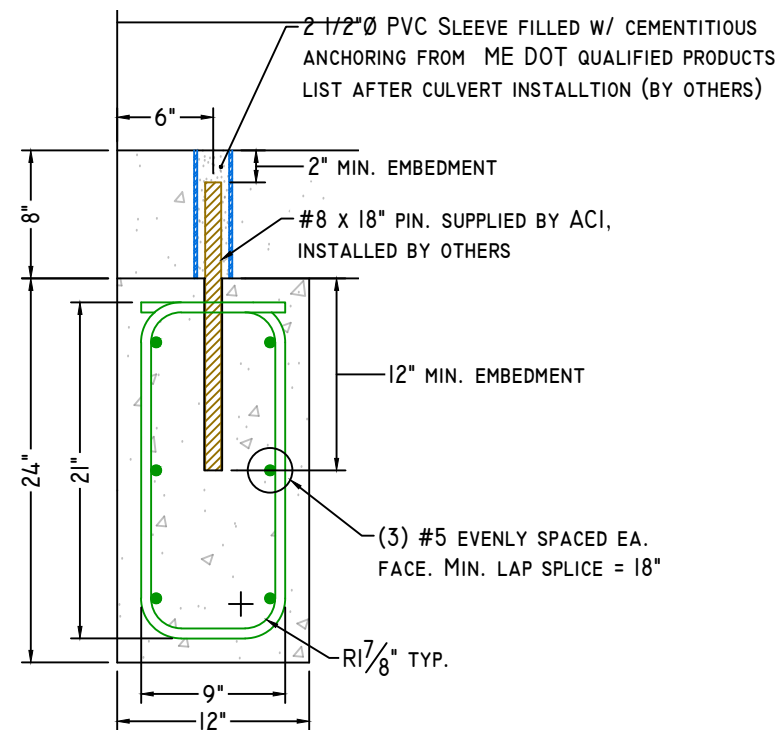


TOEWALL DETAIL

3/8" = 1'-0"

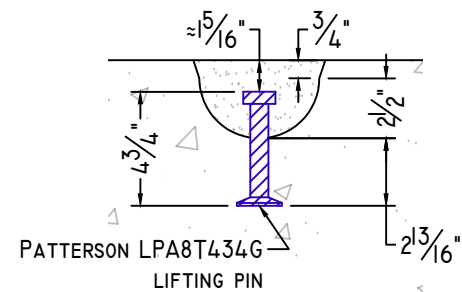


CLAMSHELL JOINT DETAIL

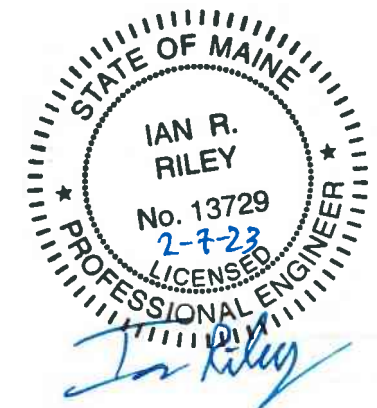


SECTION-A

1" = 1'-0"



8T 4 3/4" LIFTING PIN DETAIL



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

STRUCTURE NAME:
CULVERT 3: 8' x 6' x 82' (STA. 118+38)

JOB NAME:
US ROUTE I (WIN 20421.10)

LOCATION:
VAN BUREN, ME

CONTRACTOR:
ME DOT

DRAWN BY: SSM
DATE: 02/03/2023

REV.#: 0.00
DATE: 02/03/2023

D3.0

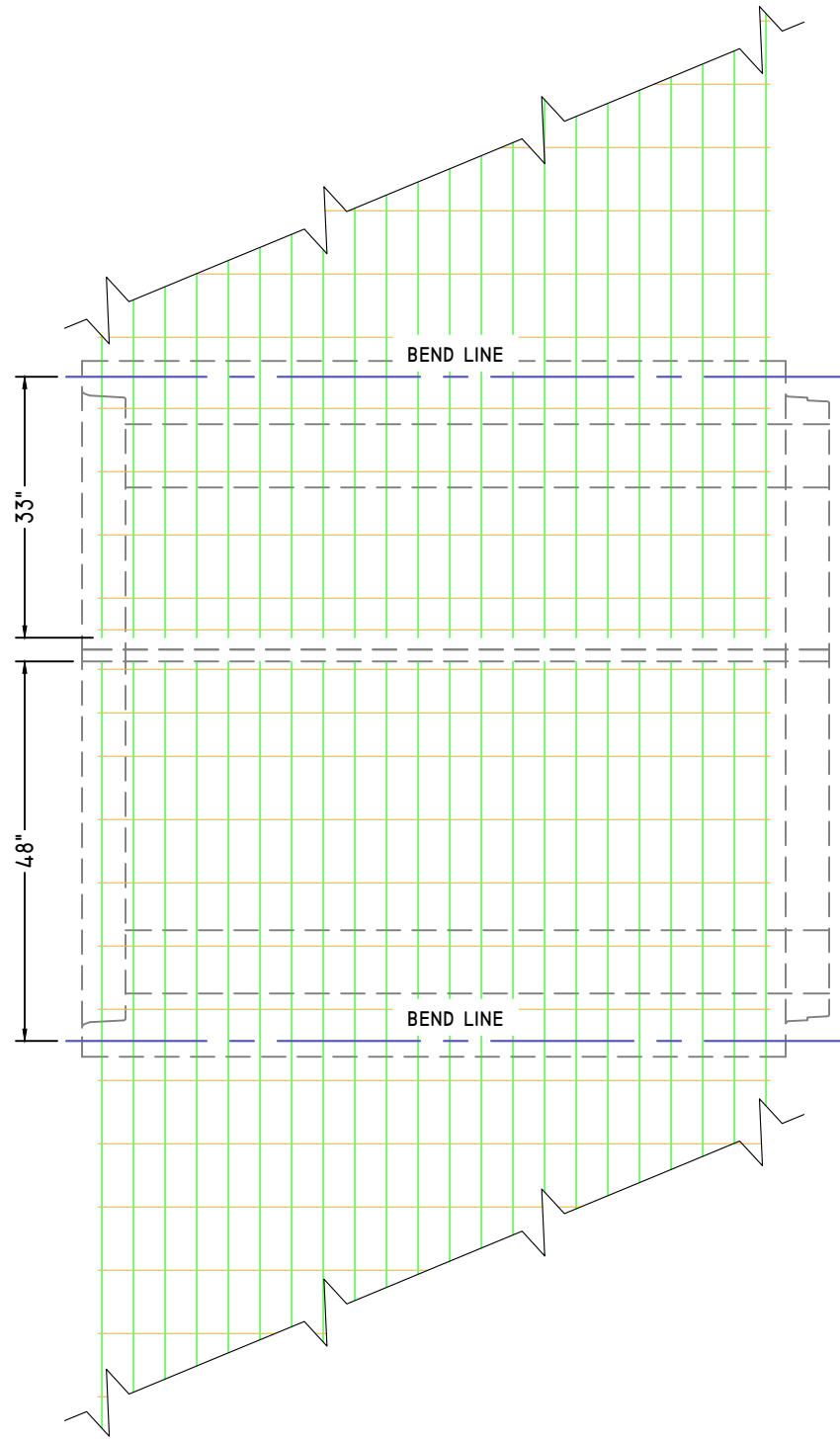
WELDED WIRE DETAILS



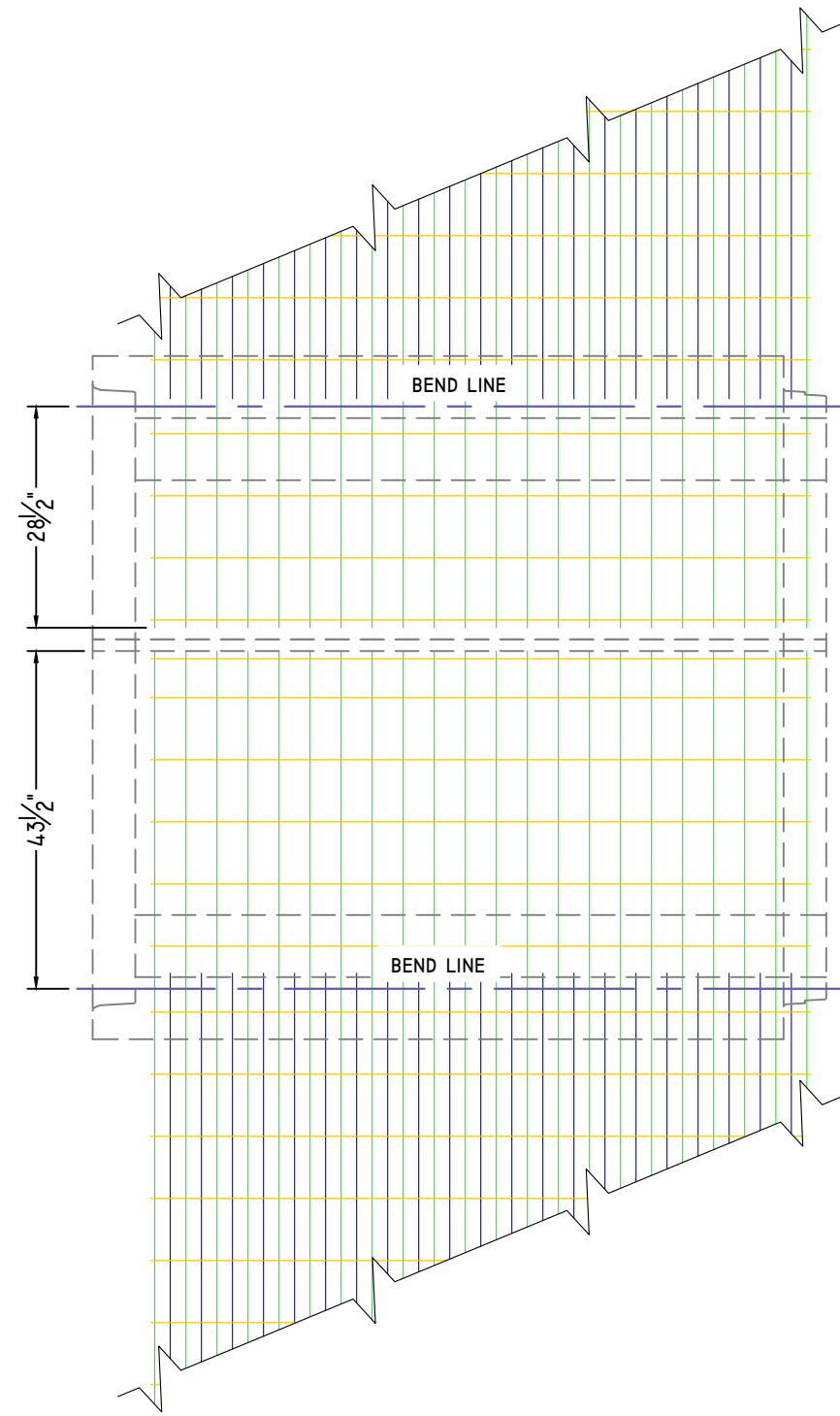
American Concrete Industries
 1717 STILLWATER AVE. VEAZIE, ME. 04401
 TEL: 207-947-8334
 FAX: 207-947-3580
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BILL OF MATERIALS

ITEM	QTY	DESCRIPTION	WEIGHT# EA
INTENTIONALLY LEFT BLANK			



TYPICAL EXTERIOR



TYPICAL INTERIOR



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

STRUCTURE NAME:	CULVERT 3: 8' x 6' x 82' (STA. 118+38)
JOB NAME:	US ROUTE 1 (WIN 20421.10)
LOCATION:	VAN BUREN, ME
CONTRACTOR:	ME DOT

DRAWN BY:	DATE:
SSM	02/03/2023
REV.#:	DATE:
0.00	02/03/2023

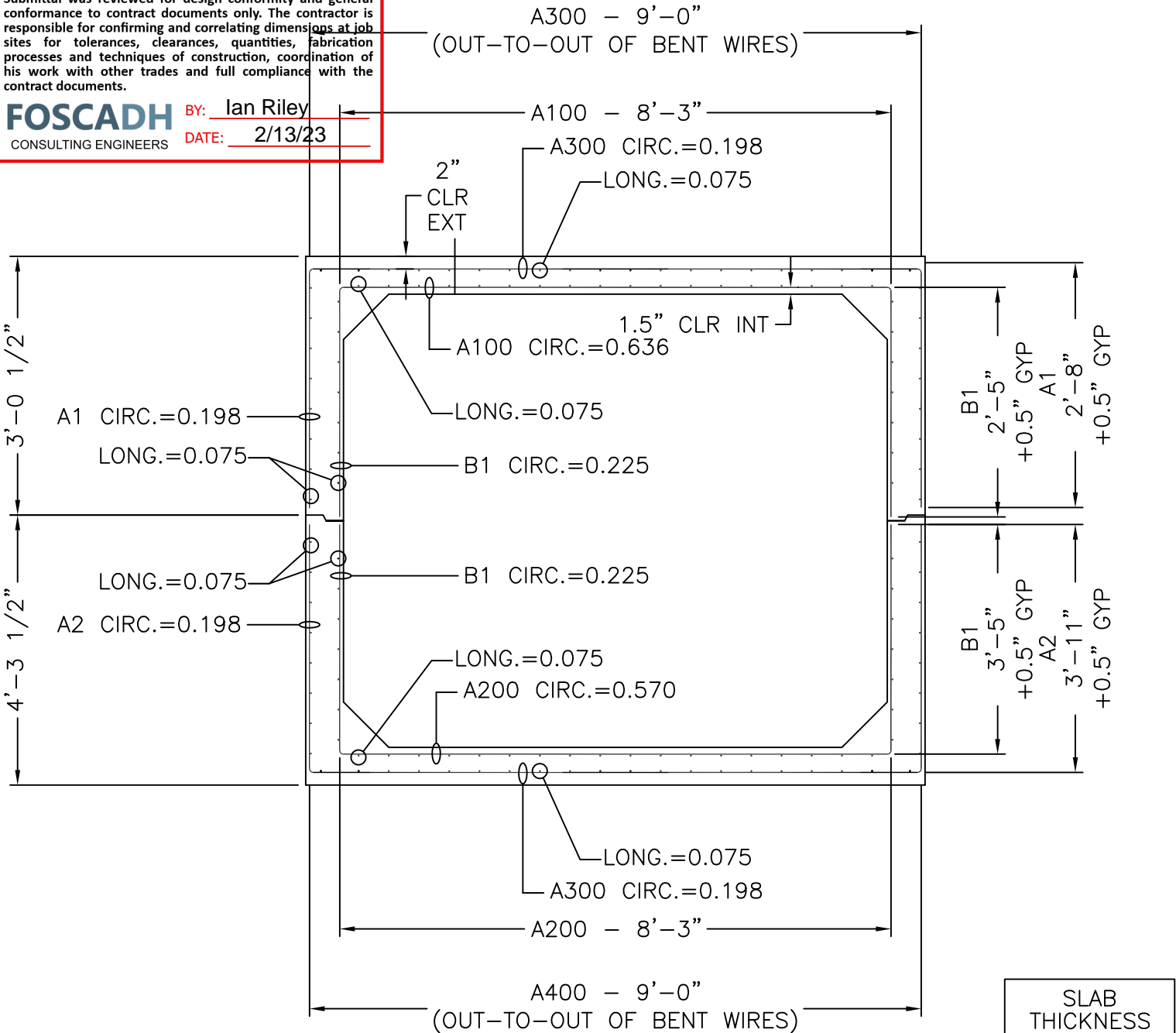
W3.0

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.

FOSCADH BY: Ian Riley
 CONSULTING ENGINEERS DATE: 2/13/23



8' x 6' x 7'-5"

CROSS SECTION WITH AREAS OF STEEL

SLAB THICKNESS	
TOP	8"
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 7'-5" JOINT = 608.0 lbs

BOX SIZE: 8' X 6' X 7'-5"	ASTM: HL-93	TABLE: 125%	FILL: -
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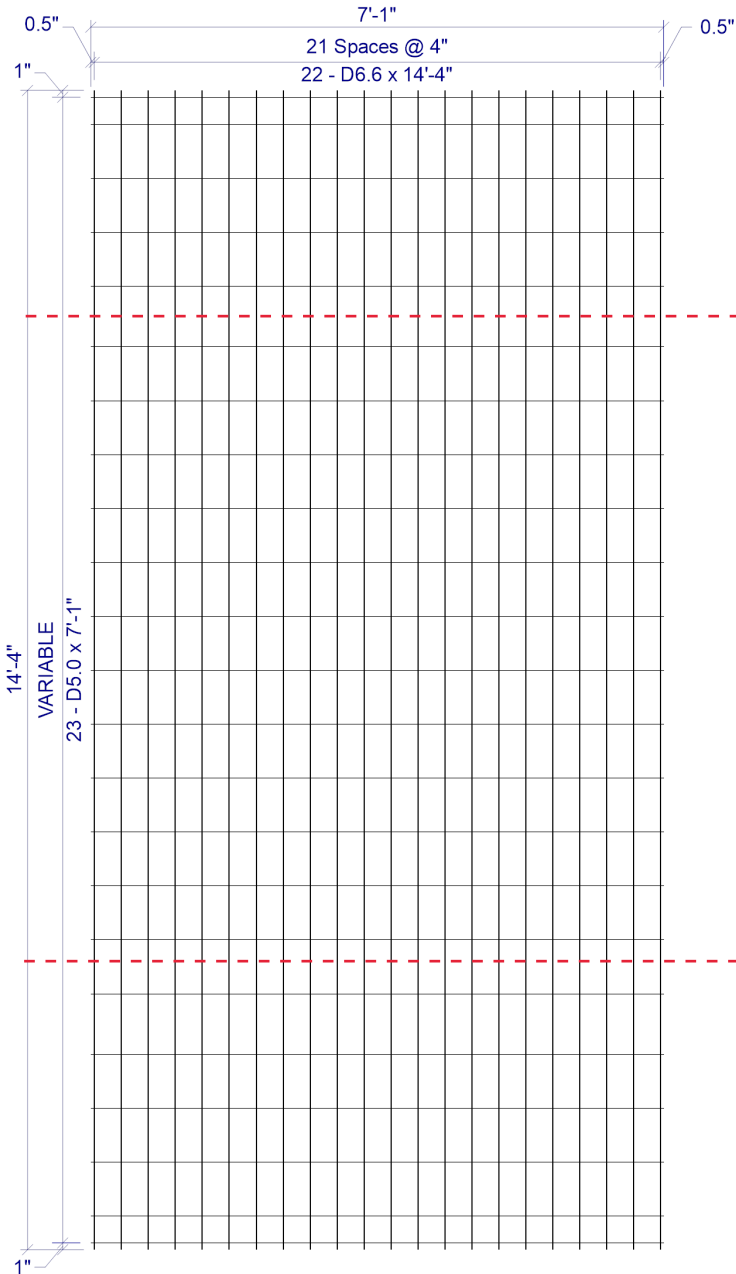
Concrete Reinforcements, Inc.
 3830 Presidents Way
 Jacksonville, FL 32220
 PH. 904-520-7100 FAX. 904-520-7101

CUSTOMER: AMERICAN CONCRETE	DRAWN BY: BWA	REVISION: -	SHEET DESCRIPTION: COVER	
PROJECT: 8' X 6' X 7'-5" VAN BUREN #3	DATE: 2/3/2023	REVISION DATE: -	FILE NAME: F22-4380	
CHECKED BY: BWA	SCALE: NTS	PROJECT #: F22-4380	SHEET #: 1 OF 5	

SHEET DESIGN



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



BEND
LINE

BEND
LINE

CUSTOMER American Concrete
 PROJECT F22-4380 - Drawings - 8x6 Vanburen #3 - American - 1-23-2023
 LOCATION Veazie, ME
 DATE 02-02-2023 MARK NUMBER A1/A300(-01)

L.W.SPACE 4"
 C.W.SPACE VAR
 L.W.1 SIZE D6.6
 L.W.2 SIZE N/A
 C.W.SIZE D5.0
 WIDTH 7'-1"
 LENGTH 14'-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	22	N/A
SIZE	D6.6	N/A	D5.0
LENGTH	14'-4"	-	7'-1"
W.T./SHEET			
SHEET W.T.	108.20#		
QUANTITY	11		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

SPECIAL REMARKS:
 BEND DIMS: SLAB=108", WALLS=32" (+0.5" GYP)

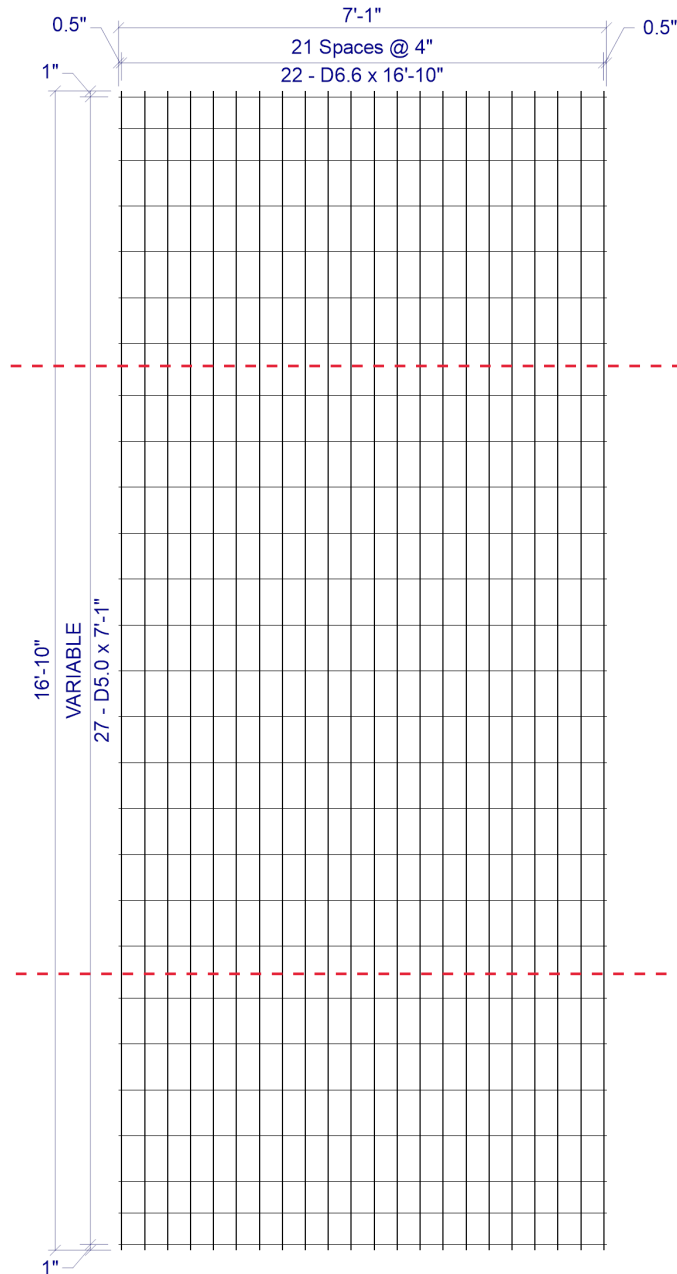
4 x VAR D6.6 / D5.0 (GRADE 75) 84(+0.5, +0.5) x 14'-4" (1, 1)
 VAR = 1" OH, 1@4", 3@8", 1@9", 12@8", 1@9", 3@8", 1@4", 1" OH

APPROVED _____

SHEET DESIGN



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



BEND
LINE

BEND
LINE

CUSTOMER American Concrete
 PROJECT F22-4380 - Drawings - 8x6 Vanburen #3 - American - 1-23-2023
 LOCATION Veazie, ME
 DATE 02-02-2023 MARK NUMBER A2/A400 (-02)

L.W.SPAC 4"
 C.W.SPAC VAR
 L.W.1 SIZE D6.6
 L.W.2 SIZE N/A
 C.W.SIZE D5.0
 WIDTH 7'-1"
 LENGTH 16'-10"
 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	N/A
SIZE	D6.6	N/A	D5.0
LENGTH	16'-10"	-	7'-1"
W.T./SHEET			
SHEET W.T.	130.20#		
QUANTITY	11		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

SPECIAL REMARKS:
 BEND DIMS: SLAB=108", WALLS=47" (+0.5"GYP)

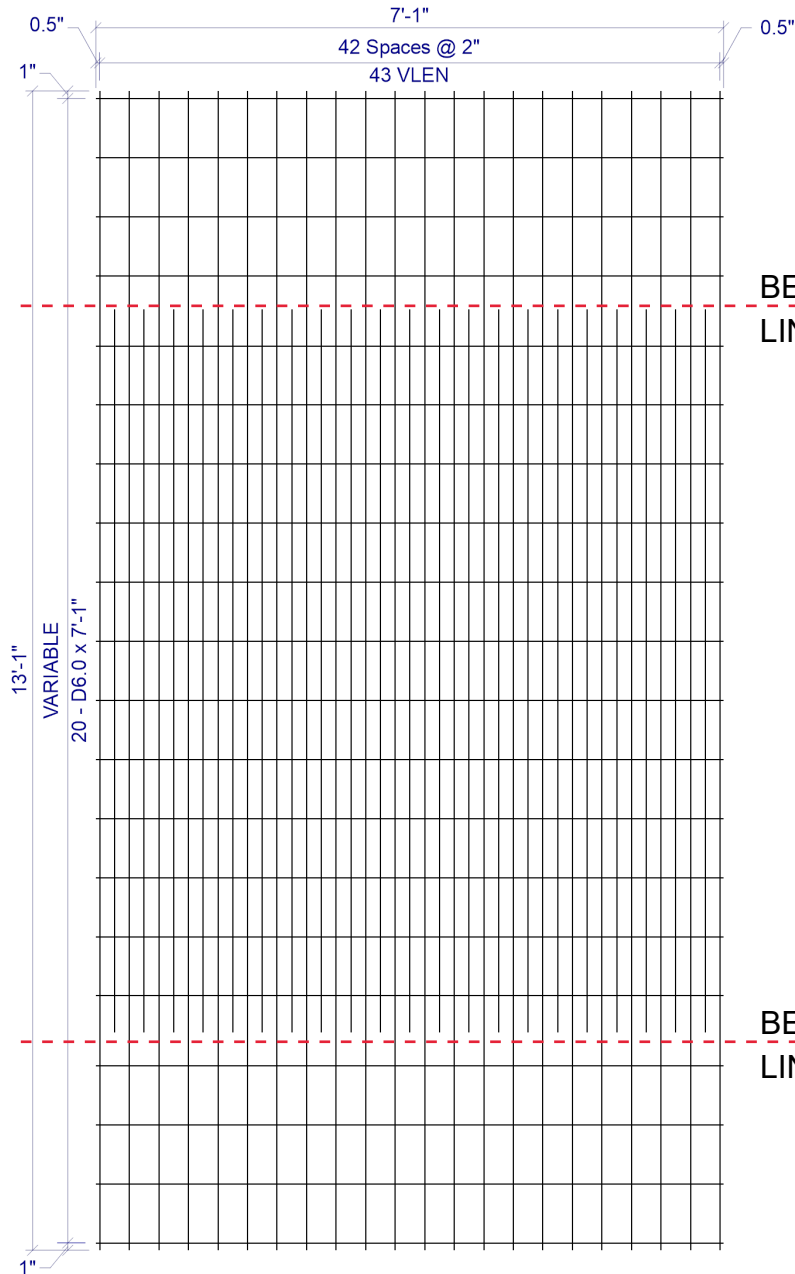
4 x VAR D6.6 / D5.0 (GRADE 75) 84(+0.5, +0.5) x 16'-10" (1, 1)
 VAR = 1" OH, 2@5.5", 4@8", 1@9", 12@8", 1@9", 4@8", 2@5.5", 1" OH

APPROVED _____

SHEET DESIGN



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



BEND LINE

BEND LINE

CUSTOMER American Concrete

PROJECT F22-4380 - Drawings - 8x6 Vanburen #3 - American - 1-23-2023

LOCATION Veazie, ME

DATE 02-02-2023 MARK NUMBER B1/A100(-03)

L.W.SPACE 2"

C.W.SPACE VAR

L.W.1 SIZE D7.5

L.W.2 SIZE D13.7

C.W.SIZE D6.0

WIDTH 7'-1"

LENGTH 13'-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	22	21
SIZE	D7.5	D13.7	D6.0
LENGTH	13'-1"	8'-2"	7'-1"
W.T./SHEET			
SHEET W.T.	189.80#		
QUANTITY	11		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

SPECIAL REMARKS:
 BEND DIMS: SLAB=99", WALLS=29" (+0.5 GYP)

2 x VAR D7.5 / D13.7 / D6.0 (GRADE 75) 84"(+0.5", +0.5") x VLEN(1", 1")

VLEN = ALTERNATING LENGTH 8'-2" & 13'-1" WITH 13'-1" @ LHS & RHS

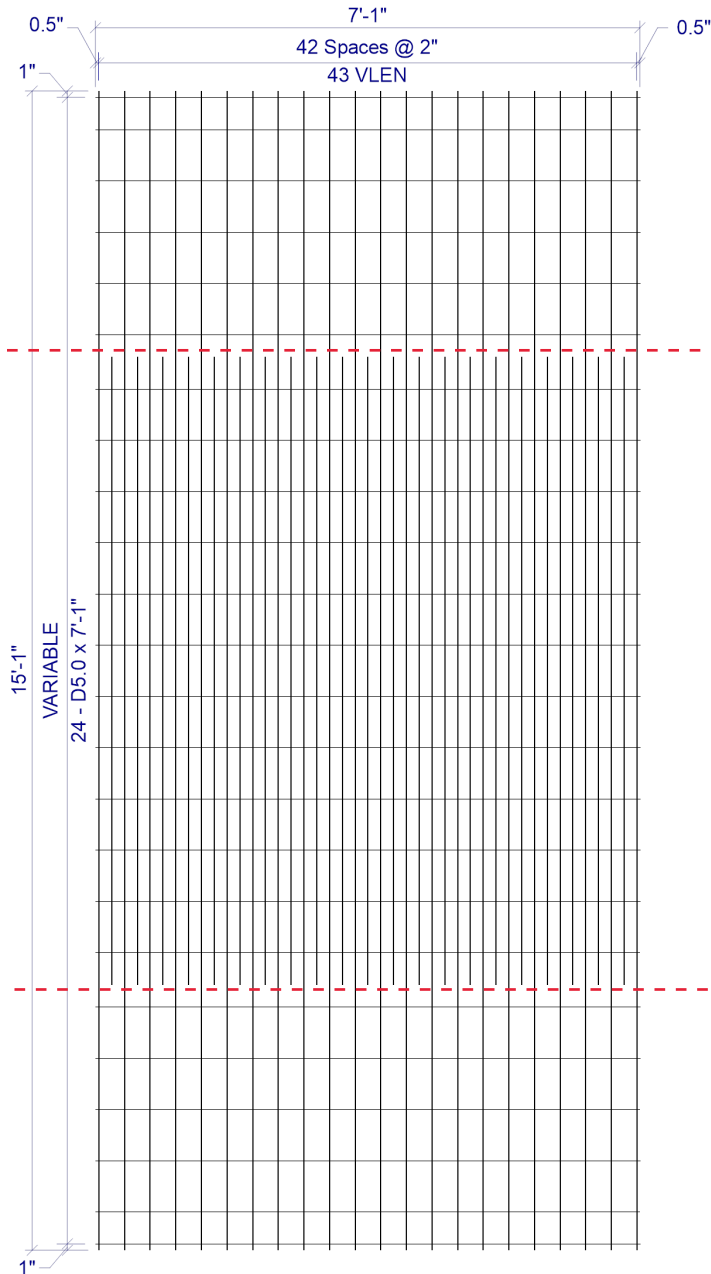
VAR = 1" OH, 3@8", 1@9.5", 11@8", 1@9.5", 3@8", 1" OH

APPROVED _____

SHEET DESIGN



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



BEND LINE

BEND LINE

CUSTOMER American Concrete

PROJECT F22-4380 - Drawings - 8x6 Vanburen #3 - American - 1-23-2023

LOCATION Veazie, ME

DATE 02-02-2023 MARK NUMBER B1/A200 (-04)

L.W.SPAC 2"

C.W.SPAC VAR

L.W.1 SIZE D7.5

L.W.2 SIZE D11.5

C.W.SIZE D5.0

WIDTH 7'-1"

LENGTH 15'-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	22	21
SIZE	D7.5	D11.5	D5.0
LENGTH	15'-1"	8'-2"	7'-1"
W.T./SHEET			
SHEET W.T.	180.60#		
QUANTITY	11		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

SPECIAL REMARKS:
 BEND DIMS: SLAB=99", WALL=41" (+0.5"GYP)

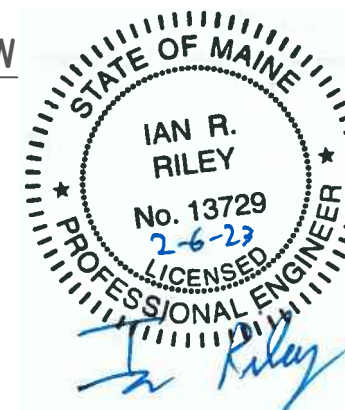
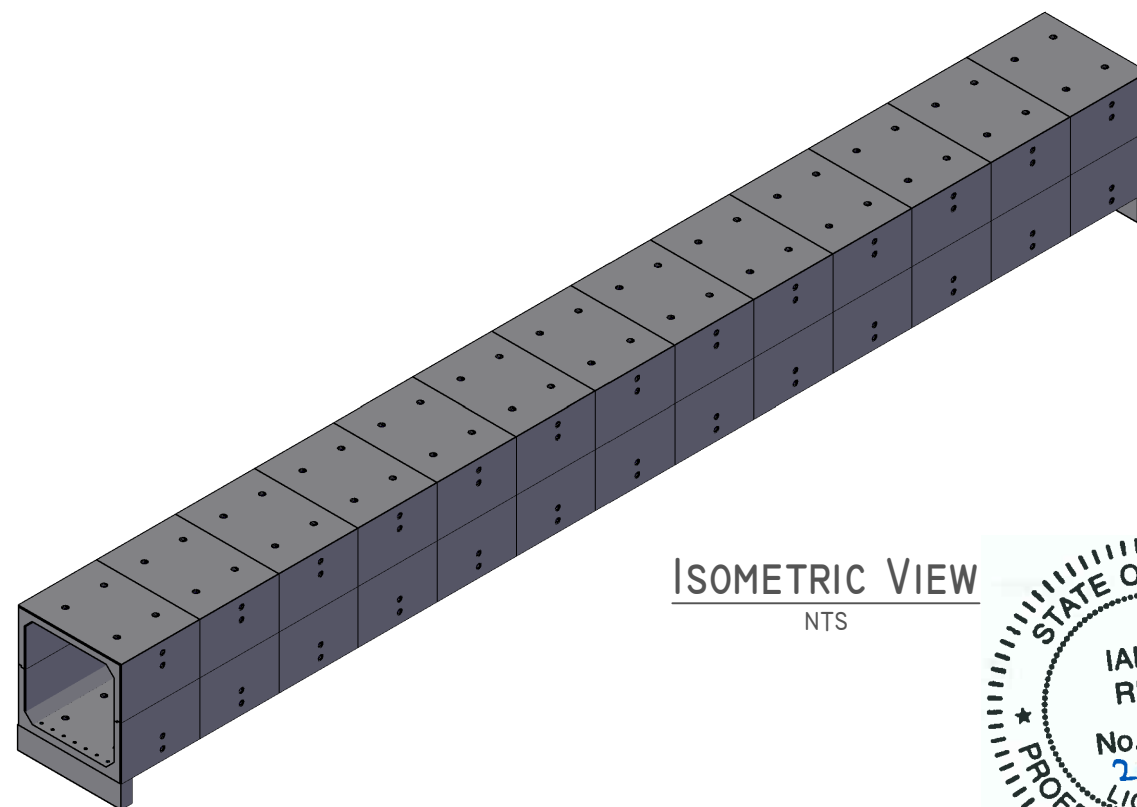
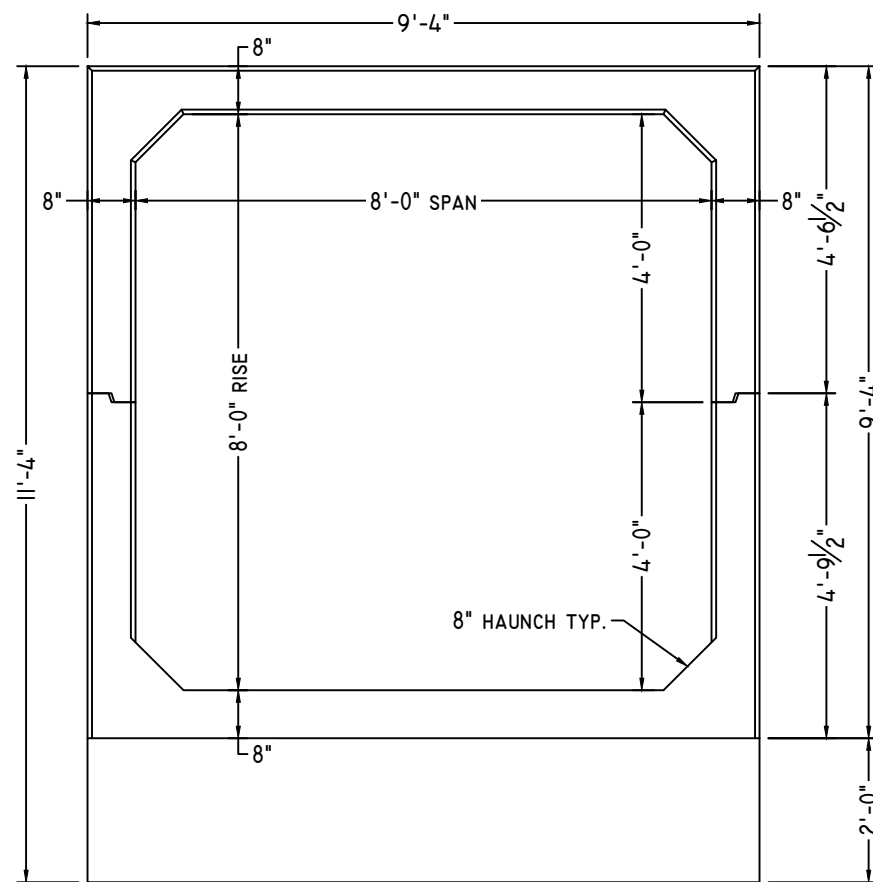
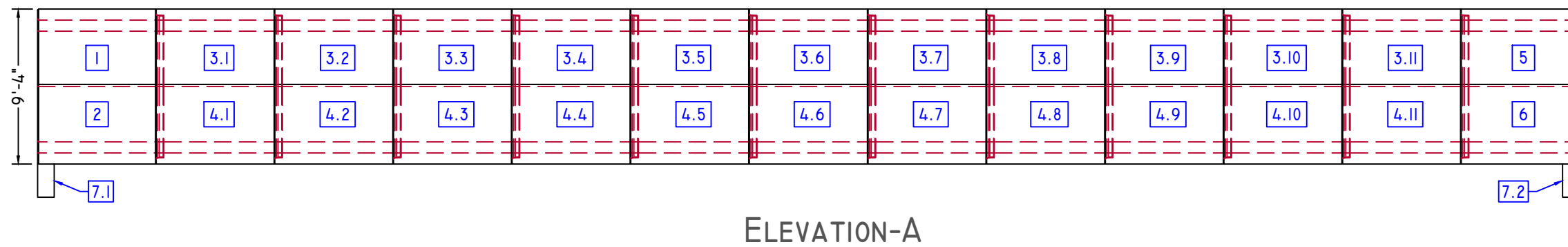
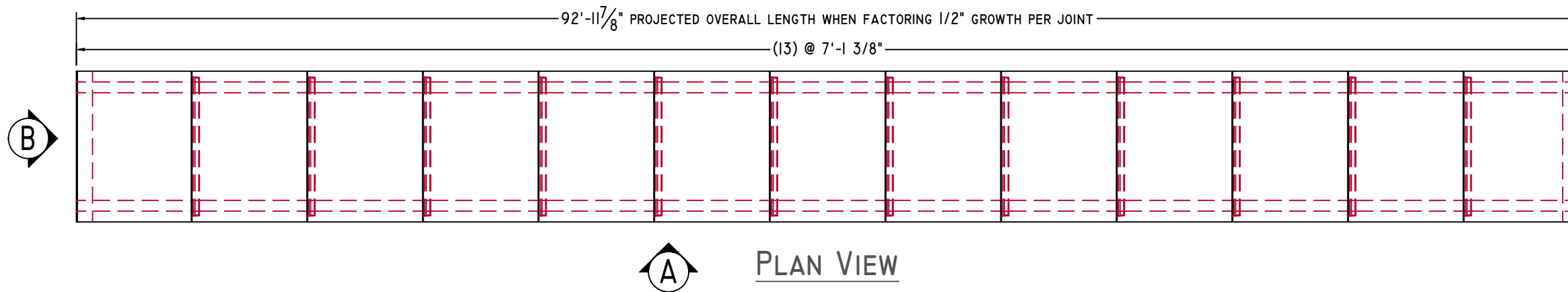
2 x VAR D7.5 / D11.5 / D5.0 (GRADE 75) 84"(+0.5", +0.5") x VLEN(1", 1")

VLEN = ALTERNATING LENGTH 8'-2" & 15'-1" WITH 15'-1" @ LHS & RHS

VAR = 1" OH, 1@5", 4@8", 1@8.5", 11@8", 1@8.5", 4@8", 1@5", 1" OH

APPROVED _____

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	12,980
2	1	UPSTREAM END BOTTOM	13,140
3	11	MID SECTION TOP	12,645
4	11	MID SECTION BOTTOM	12,820
5	1	DOWNSTREAM END TOP	12,320
6	1	DOWNSTREAM END BOTTOM	12,485
7	2	1' x 2' x 9'-4" TOEWALL	2,795
8	14	#8 x 18" TOEWALL PIN (SHIPPED LOOSE)	

DESIGN NOTES:

- Concrete**
 - 1.1. COMP. STRENGTH MIN. 5,000PSI @ 28 DAYS
 - 1.2. AIR-ENTRAINMENT: 5.5% MIN - 7.5% 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 (WHEN REQUIRED.)
 - 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. JOINTS SEALED WITH BUTYL RUBBER SEALANT.
 - 3.2. ALL JOINTS FILLED W/ NON-SHRINK GROUT AFTER INSTALLATION.
- Soil / Fill Requirements:**
 - MINIMUM ALLOWABLE FILL: 4.50'
 - MAXIMUM ALLOWABLE FILL: 5.00'

NOTE: Some details not shown for clarity.

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

STRUCTURE NAME:
CULVERT 2: 8' x 8' x 93' (STA. 50+35)

JOB NAME:
US ROUTE 1 (WIN 20421.10)

LOCATION:
VAN BUREN, ME

CONTRACTOR:
ME DOT

DRAWN BY:
SSM

DATE:
01/25/2023

REV.#:
0.00

DATE:
01/25/2023

C2.0

UPSTREAM END



American Concrete Industries

1717 STILLWATER AVE. VEAZIE, ME. 04401

TEL: 207-947-8334

FAX: 207-947-3580

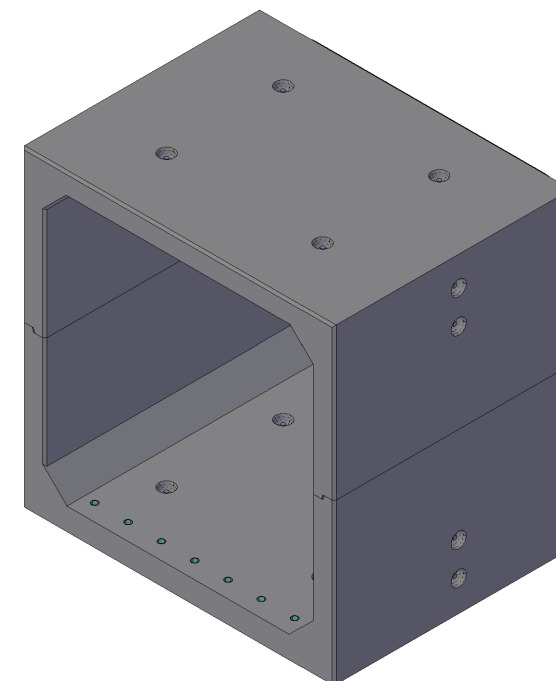
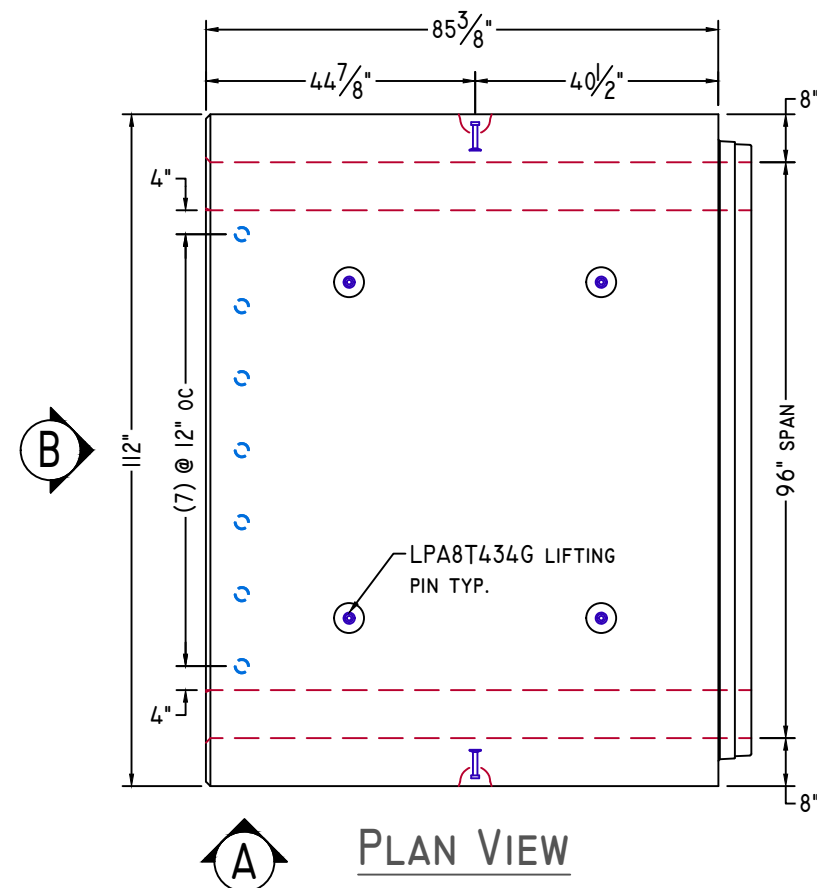
WWW.AMERICANCONCRETE.COM

BILL OF MATERIALS

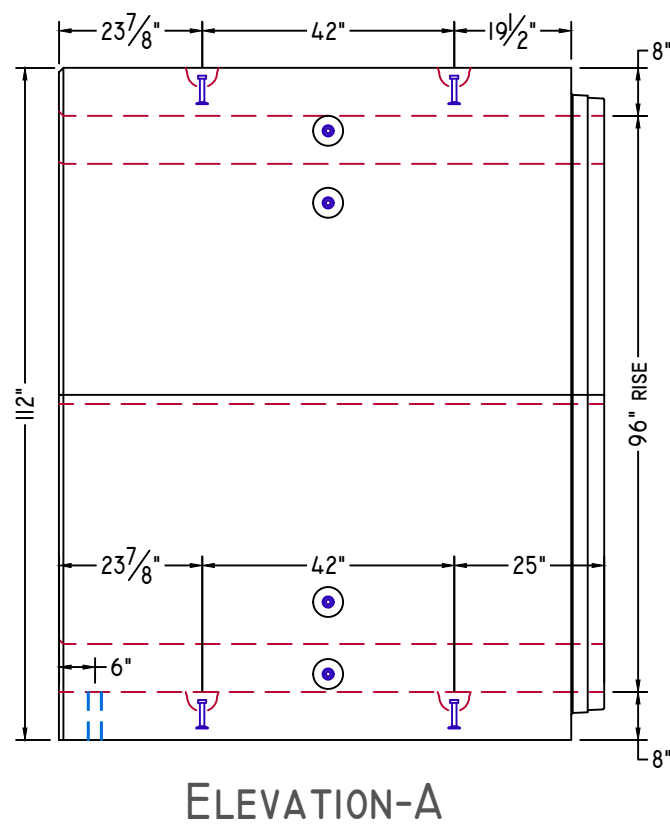
ITEM	QTY	DESCRIPTION	WEIGHT# EA
1	1	UPSTREAM END TOP	12,980
2	1	UPSTREAM END BOTTOM	13,140

DESIGN NOTES:

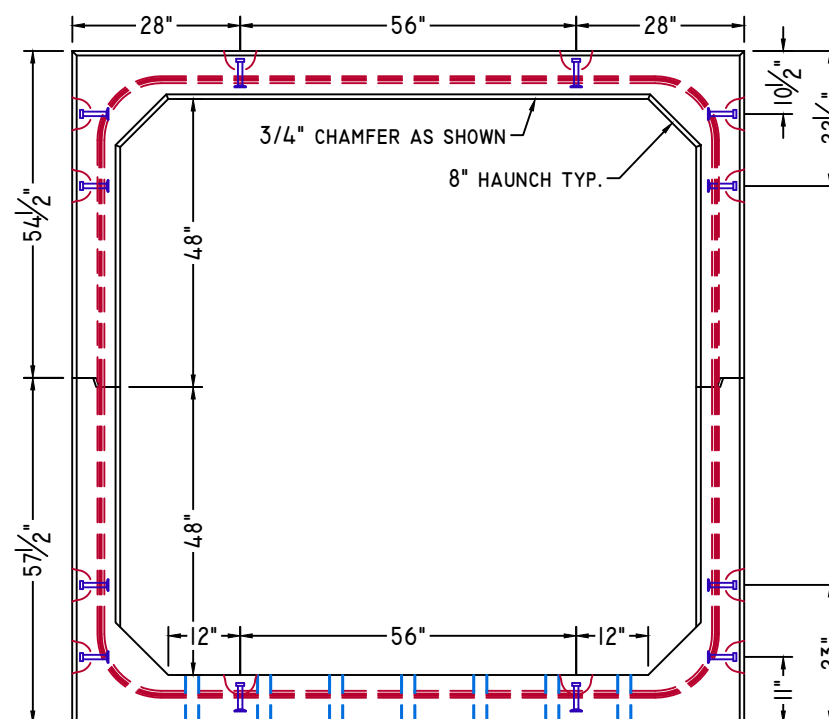
- Concrete**
 - COMP. STRENGTH MIN. 5,000PSI @ 28 DAYS
 - AIR-ENTRAINMENT: 5.5% MIN - 7.5% MAX
- Structural Reinforcement:**
 - BAR PER ASTM A615, GRADE 60
 - WWF PER ASTM A1064, GRADE 75
 - SUPPLEMENTAL REINFORCING AS SHOWN (WHEN REQUIRED.)
 - DESIGNED FOR 125% HL-93 WHEEL LOAD RATING
 - 2" CLR EXT., 1 1/2" CLR INT. UNLESS NOTED OTHERWISE
- Manufacturing / Installation:**
 - JOINTS SEALED WITH BUTYL RUBBER SEALANT.
 - ALL JOINTS FILLED W/ NON-SHRINK GROUT AFTER INSTALLATION.
- Soil / Fill Requirements:**
 - MINIMUM ALLOWABLE FILL: 4.50'
 - MAXIMUM ALLOWABLE FILL: 5.00'



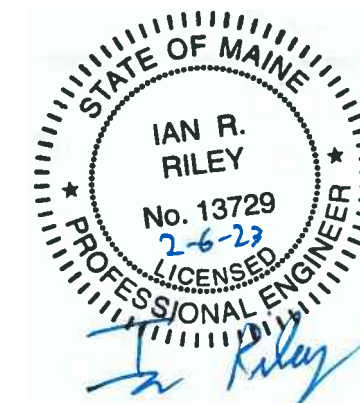
ISOMETRIC VIEW
NTS



ELEVATION-A



ELEVATION-B



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

STRUCTURE NAME:
CULVERT 2: 8' x 8' x 93' (STA. 50+35)

JOB NAME:
US ROUTE I (WIN 20421.10)

LOCATION:
VAN BUREN, ME

CONTRACTOR:
ME DOT

DRAWN BY: SSM DATE: 01/25/2023

REV.#: 0.00 DATE: 01/25/2023

C2.1

MID SECTION



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 FAX: 207-947-3580
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BILL OF MATERIALS

ITEM	QTY	DESCRIPTION	WEIGHT# EA
3	II	MID SECTION TOP	12,645
4	II	MID SECTION BOTTOM	12,820

- DESIGN NOTES:
- Concrete**
 - 1.1. COMP. STRENGTH MIN. 5,000PSI @ 28 DAYS
 - 1.2. AIR-ENTRAINMENT: 5.5% MIN - 7.5% 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 (WHEN REQUIRED.)
 - 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. JOINTS SEALED WITH BUTYL RUBBER SEALANT.
 - 3.2. ALL JOINTS FILLED W/ NON-SHRINK GROUT AFTER INSTALLATION.
 - Soil / Fill Requirements:**
 - MINIMUM ALLOWABLE FILL: 4.50'
 - MAXIMUM ALLOWABLE FILL: 5.00'



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

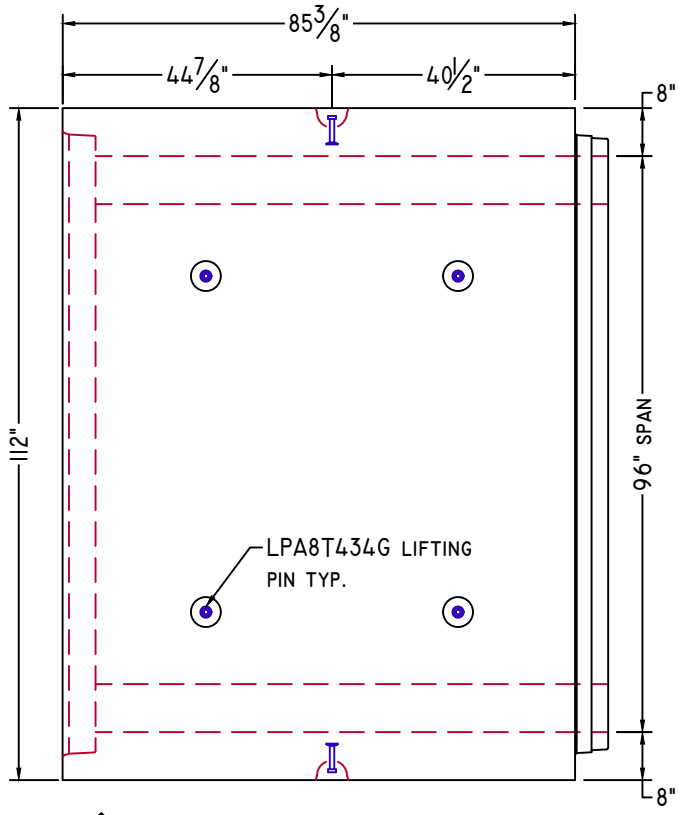
STRUCTURE NAME:
 CULVERT 2: 8' x 8' x 93' (STA. 50+35)

JOB NAME:
 US ROUTE I (WIN 20421.10)

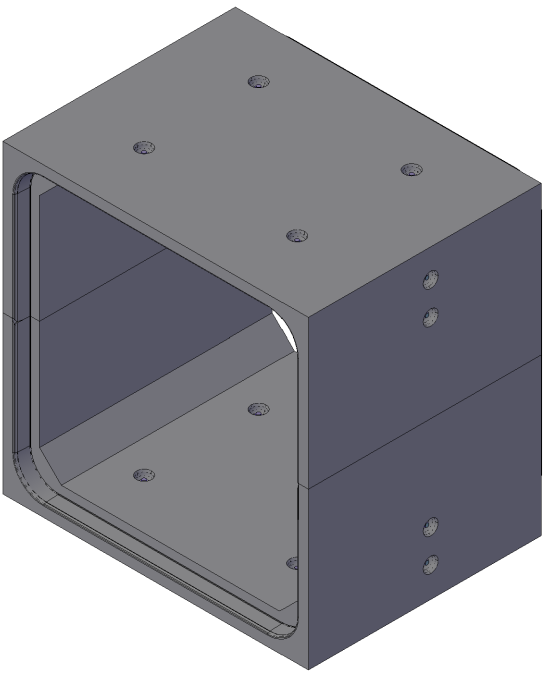
LOCATION:
 VAN BUREN, ME

CONTRACTOR:
 ME DOT

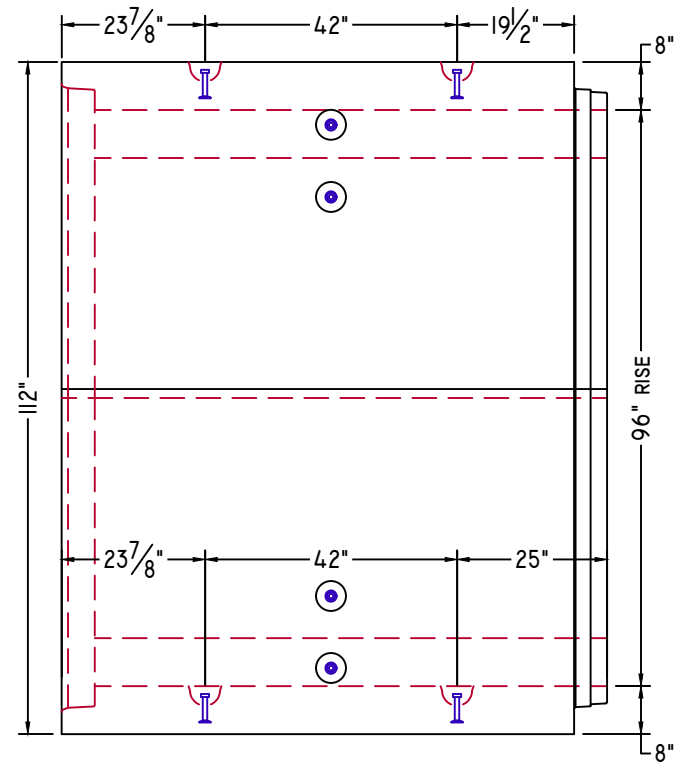
DRAWN BY: SSM	DATE: 01/25/2023	C2.2
REV.#: 0.00	DATE: 01/25/2023	



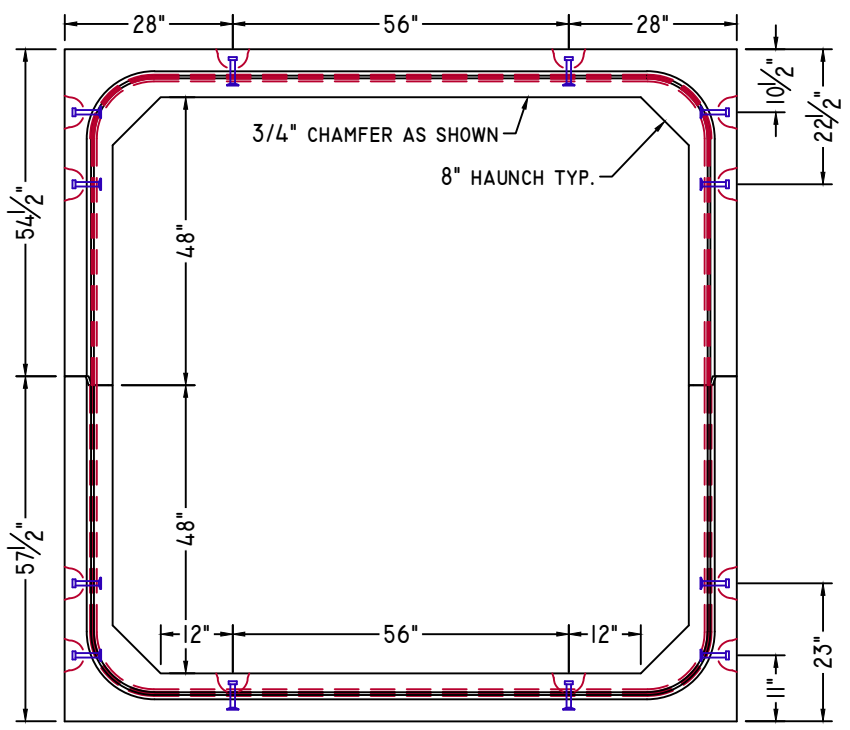
PLAN VIEW



ISOMETRIC VIEW
 NTS



ELEVATION-A



ELEVATION-B

DOWNSTREAM END



American Concrete Industries

1717 STILLWATER AVE. VEAZIE, ME. 04401

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FAX: 207-947-3580

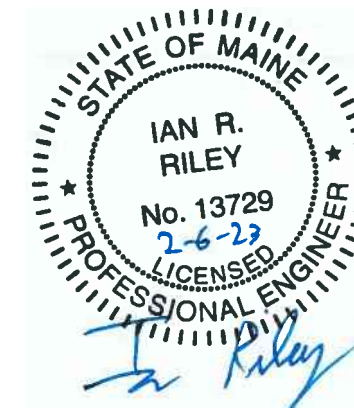
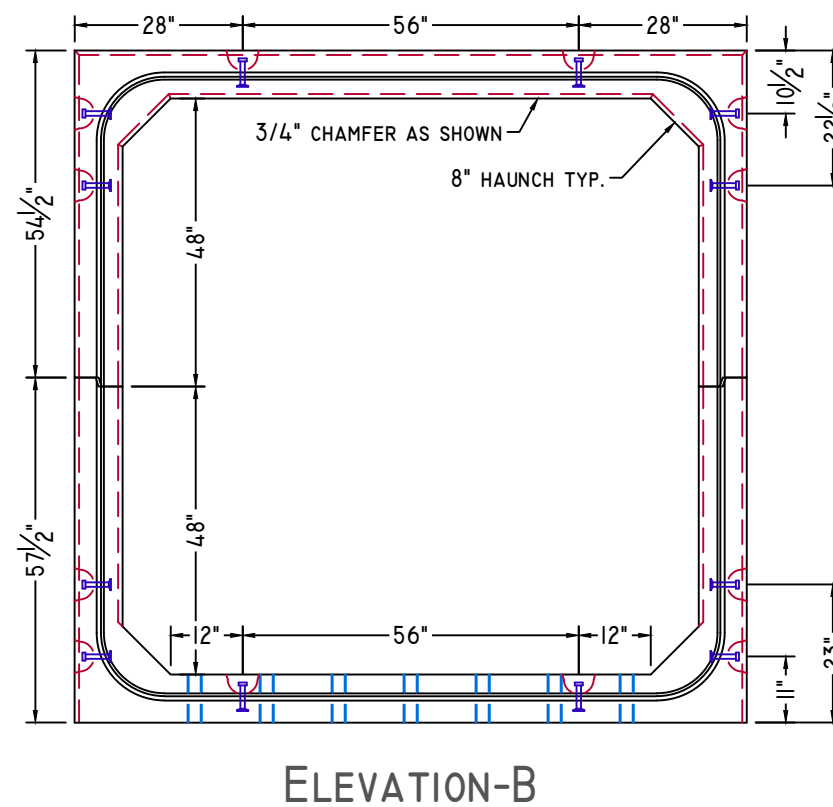
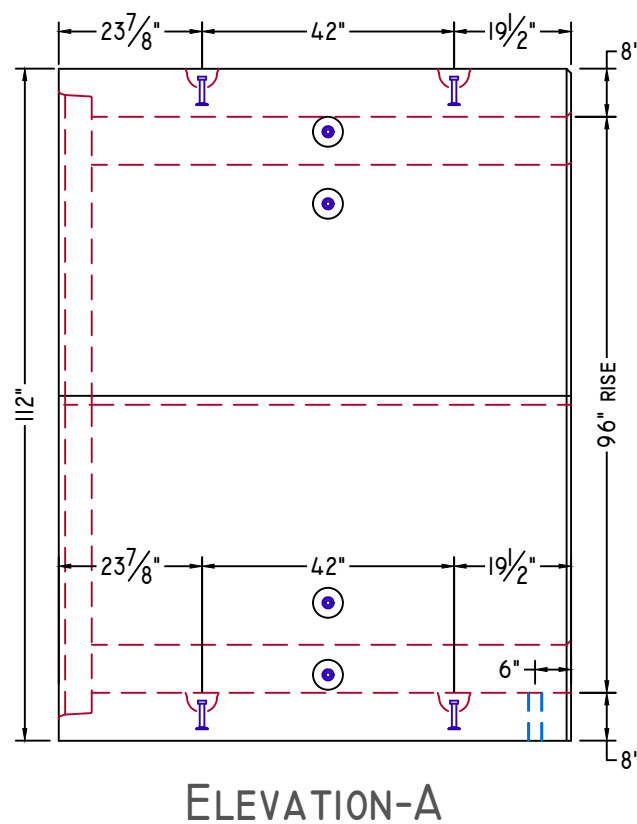
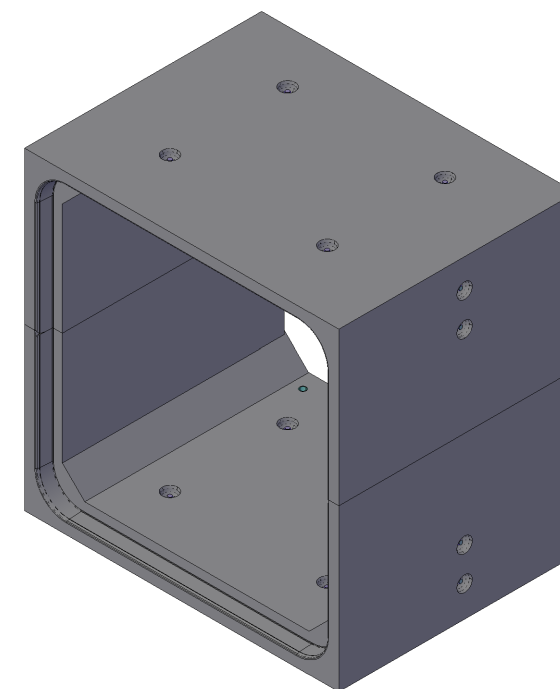
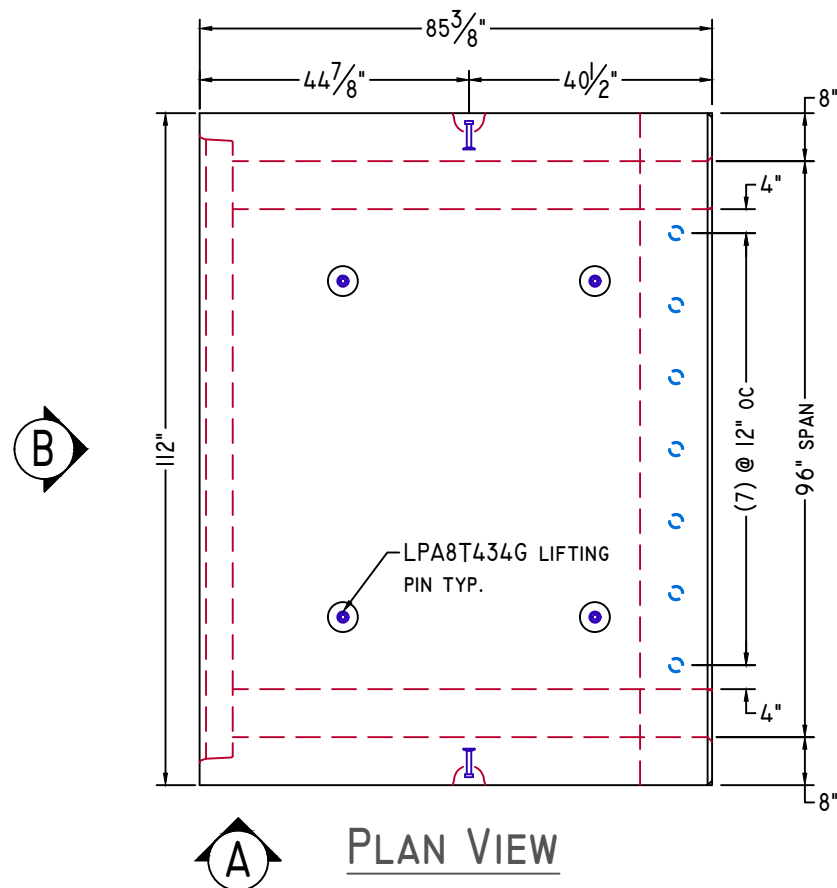
WWW.AMERICANCONCRETE.COM

BILL OF MATERIALS

ITEM	QTY	DESCRIPTION	WEIGHT# EA
5	1	DOWNSTREAM END TOP	12,320
6	1	DOWNSTREAM END BOTTOM	12,485

DESIGN NOTES:

1. **Concrete**
 - 1.1. COMP. STRENGTH MIN. 5,000PSI @ 28 DAYS
 - 1.2. AIR-ENTRAINMENT: 5.5% MIN - 7.5% 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 (WHEN REQUIRED.)
 - 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. JOINTS SEALED WITH BUTYL RUBBER SEALANT.
 - 3.2. ALL JOINTS FILLED W/ NON-SHRINK GROUT AFTER INSTALLATION.
4. **Soil / Fill Requirements:**
 - MINIMUM ALLOWABLE FILL: 4.50'
 - MAXIMUM ALLOWABLE FILL: 5.00'



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

STRUCTURE NAME:
CULVERT 2: 8' x 8' x 93' (STA. 50+35)

JOB NAME:
US ROUTE I (WIN 20421.10)

LOCATION:
VAN BUREN, ME

CONTRACTOR:
ME DOT

DRAWN BY: SSM DATE: 01/25/2023

REV.#: 0.00 DATE: 01/25/2023

C2.3

STANDARD DETAILS



American Concrete Industries

1717 STILLWATER AVE. VEAZIE, ME. 04401

TEL: 207-947-8334

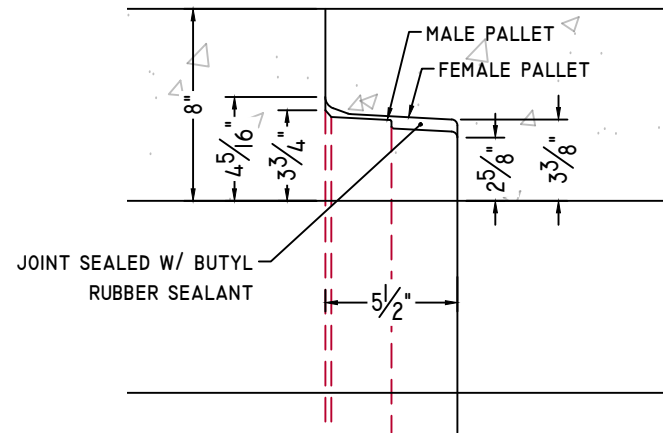
FAX: 207-947-3580

WWW.AMERICANCONCRETE.COM

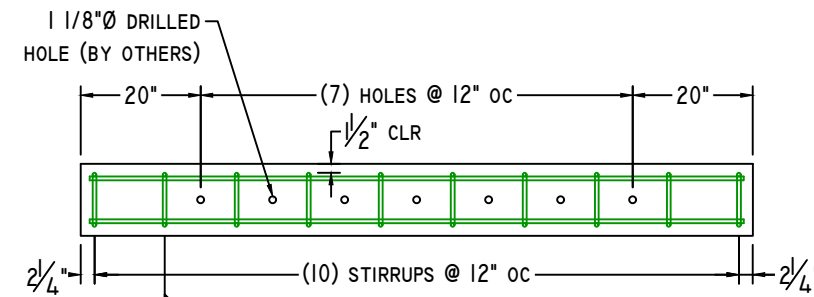
BILL OF MATERIALS

ITEM	QTY	DESCRIPTION	WEIGHT# EA
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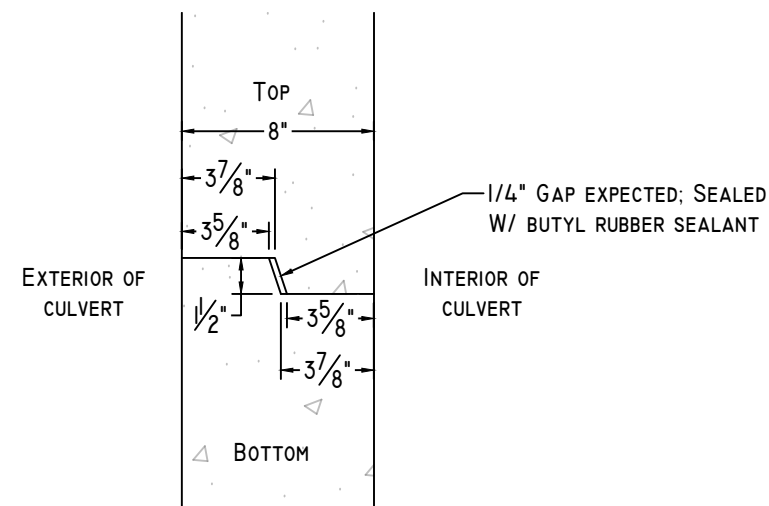


CULVERT JOINT DETAIL

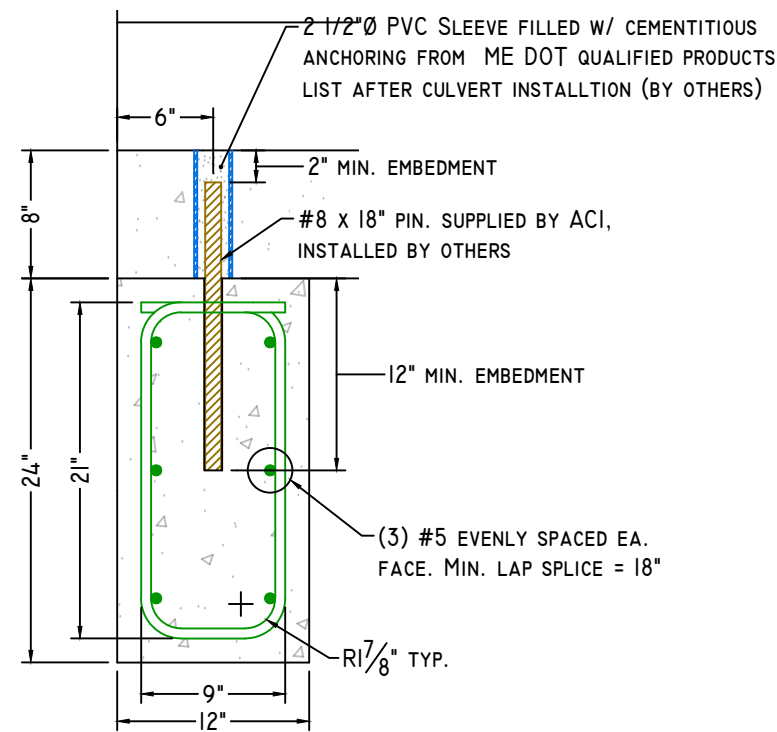


TOEWALL DETAIL

3/8" = 1'-0"

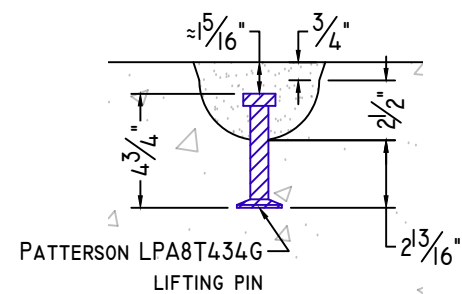


CLAMSHELL JOINT DETAIL

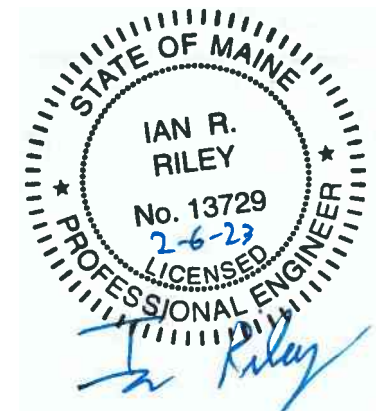


SECTION-A

1" = 1'-0"



8T 4 3/4" LIFTING PIN DETAIL



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

STRUCTURE NAME:
CULVERT 2: 8' x 8' x 93' (STA. 50+35)

JOB NAME:
US ROUTE I (WIN 20421.10)

LOCATION:
VAN BUREN, ME

CONTRACTOR:
ME DOT

DRAWN BY: SSM
DATE: 01/25/2023

REV.#: 0.00
DATE: 01/25/2023

D2.0

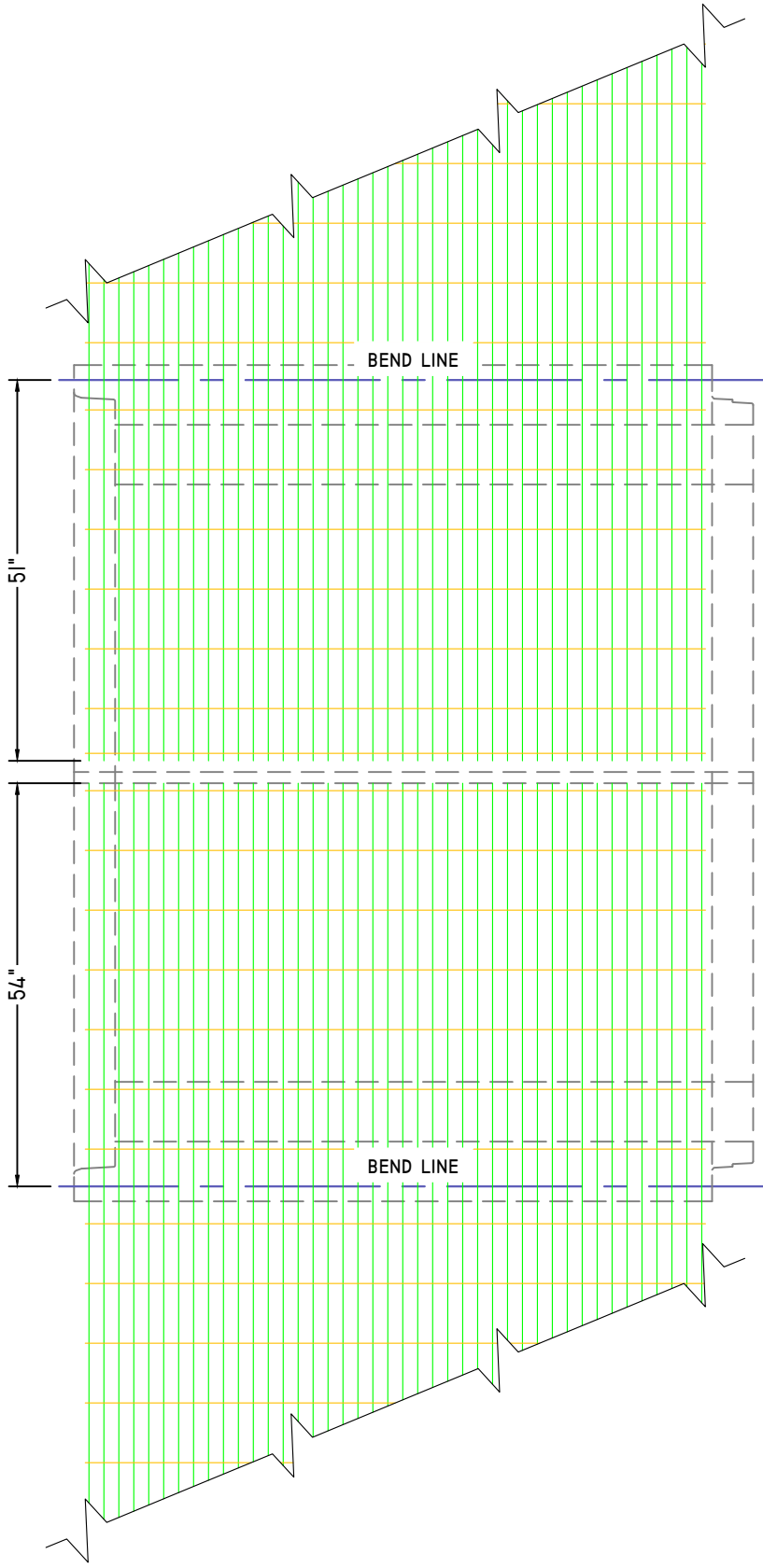
WELDED WIRE DETAILS



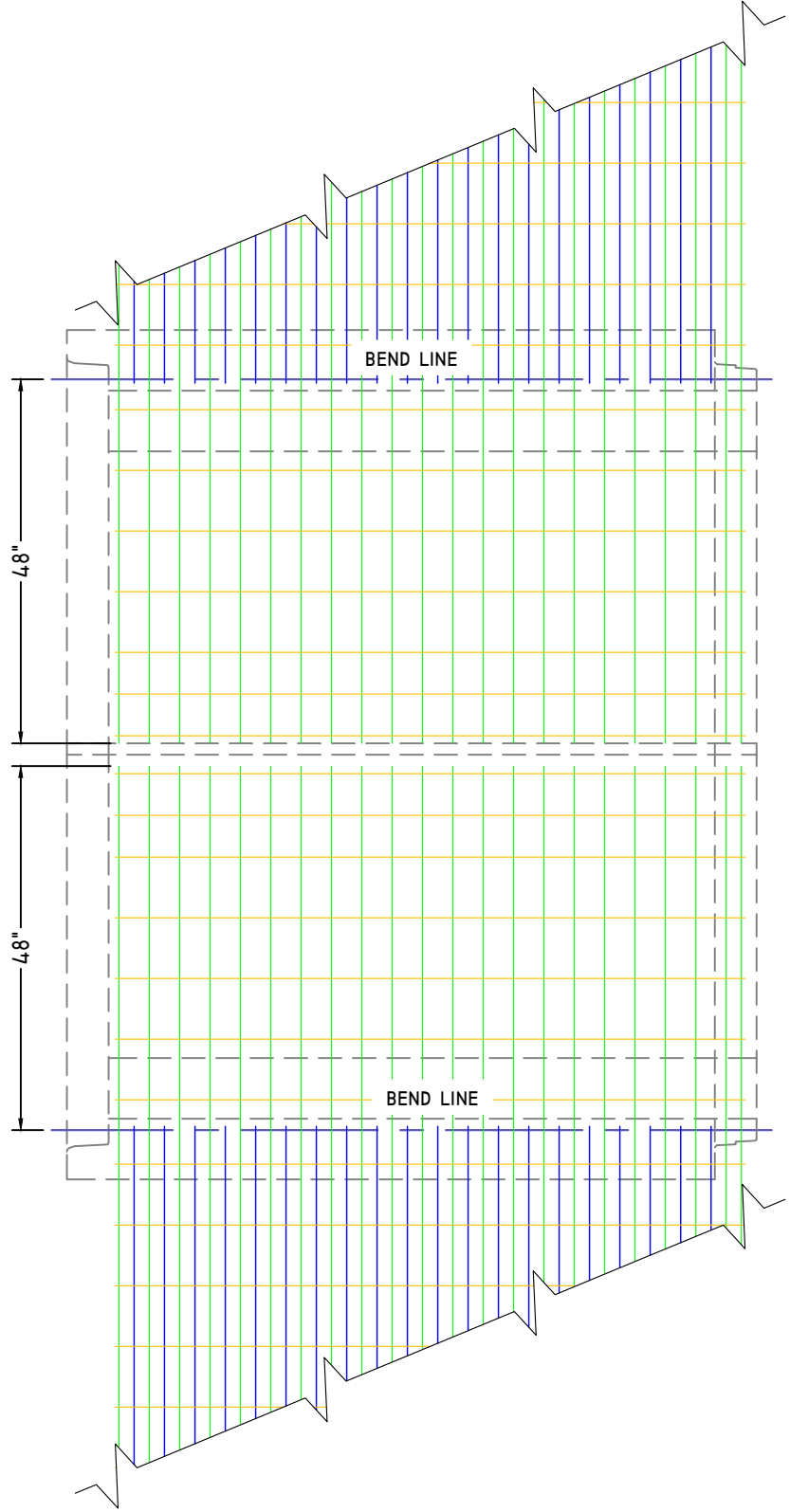
American Concrete Industries
 1717 STILLWATER AVE. VEAZIE, ME. 04401
 TEL: 207-947-8334
 FAX: 207-947-3580
 WWW.AMERICANCONCRETE.COM

BILL OF MATERIALS

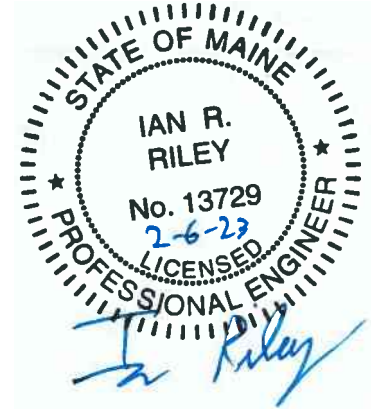
ITEM	QTY	DESCRIPTION	WEIGHT# EA
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TYPICAL EXTERIOR



TYPICAL INTERIOR



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

STRUCTURE NAME:	CULVERT 2: 8' x 8' x 93' (STA. 50+35)
JOB NAME:	US ROUTE 1 (WIN 20421.10)
LOCATION:	VAN BUREN, ME
CONTRACTOR:	ME DOT

DRAWN BY:	DATE:
SSM	01/25/2023
REV.#:	DATE:
0.00	01/25/2023

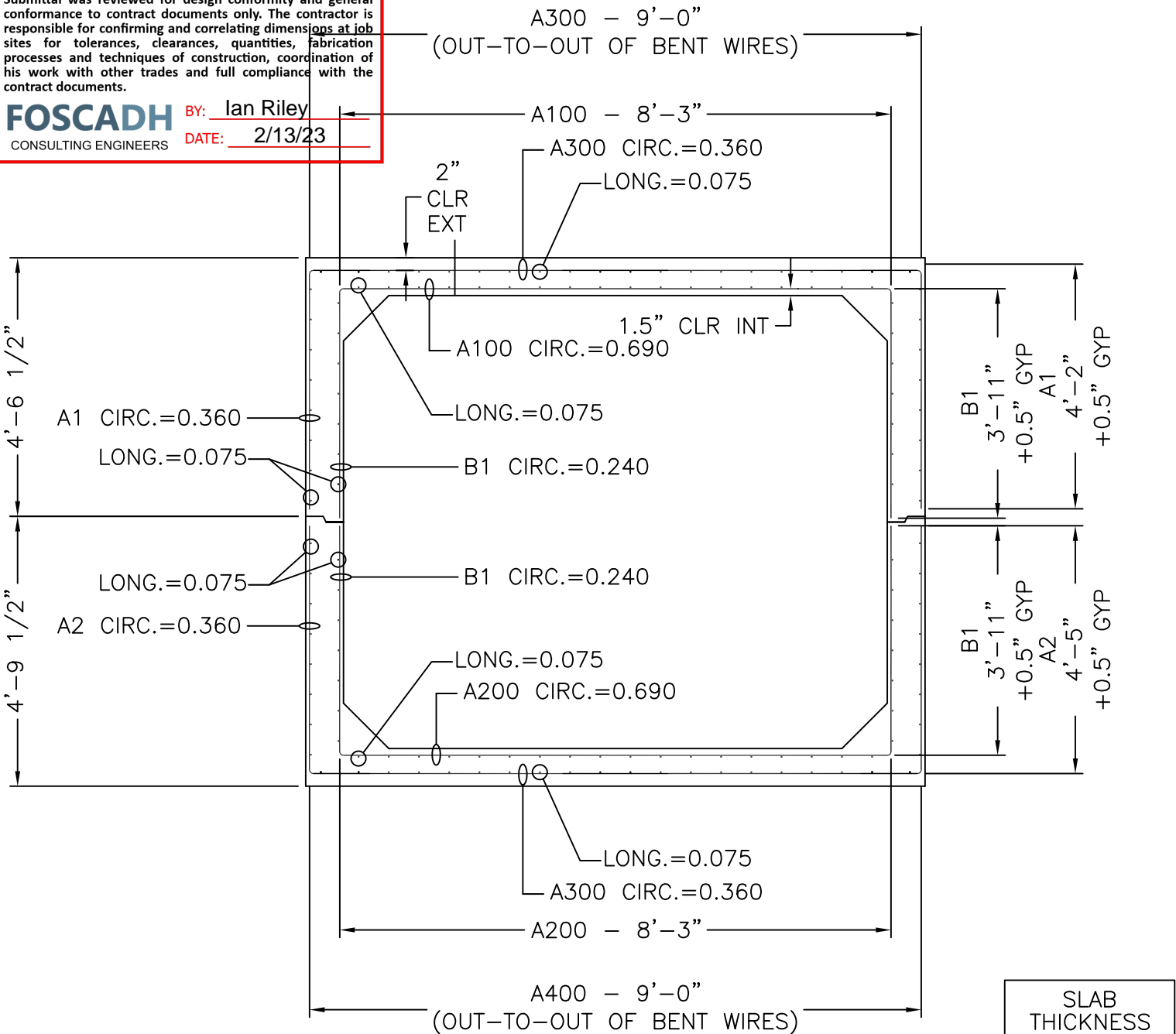
W2.0

SHOP DRAWING/SUBMITTAL REVIEW

- APPROVED
- APPROVED WITH CHANGES NOTES
- REVISE AND RESUBMIT
- REJECTED: _____

Submittal was reviewed for design conformity and general performance 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.

FOSCADH CONSULTING ENGINEERS
 BY: Ian Riley
 DATE: 2/13/23



8' x 8' x 7'-1 3/8"

CROSS SECTION WITH AREAS OF STEEL

SLAB THICKNESS	
TOP	8"
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 7'-1 3/8" JOINT = 797.5 lbs

BOX SIZE: 8' X 8' X 7'-1 3/8"	ASTM: HL-93	TABLE: 125%	FILL: -
----------------------------------	----------------	----------------	------------



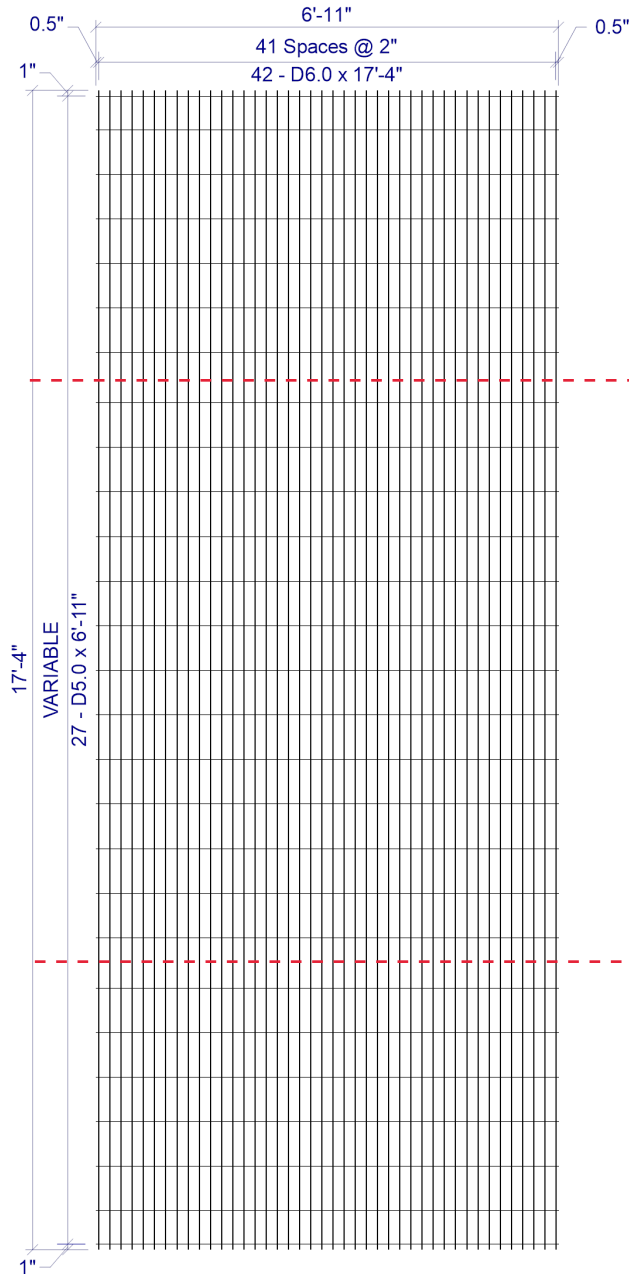
Concrete Reinforcements, Inc.
 3830 Presidents Way
 Jacksonville, FL 32220
 PH. 904-520-7100 FAX. 904-520-7101

CUSTOMER: AMERICAN CONCRETE	DRAWN BY: BWA	REVISION: -	SHEET DESCRIPTION: COVER	
PROJECT: 8' X 8' X 7'-1 3/8" VAN BUREN #2	DATE: 2/3/2023	REVISION DATE: -	FILE NAME: F22-4379	
CHECKED BY: BWA	SCALE: NTS	PROJECT #: F22-4379	SHEET #: 1 OF 4	

SHEET DESIGN



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



BEND LINE

BEND LINE

CUSTOMER American Concrete
 PROJECT F22-4379 - Drawings - 8x8 Van Buren #2 - American - 1-23-2023
 LOCATION Veazie, ME
 DATE 01-23-2023 MARK NUMBER A1/A300 (-01)

L.W.SPAC 2"
 C.W.SPAC VAR
 L.W.1 SIZE D6.0
 L.W.2 SIZE N/A
 C.W.SIZE D5.0
 WIDTH 6'-11"
 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	42	N/A
SIZE	D6.0	N/A	D5.0
LENGTH	17'-4"	-	6'-11"
W.T./SHEET			
SHEET W.T.	180.30#		
QUANTITY	13		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

SPECIAL REMARKS:
 BEND DIMS: SLAB=108", WALLS=50" (+0.5" GYP)

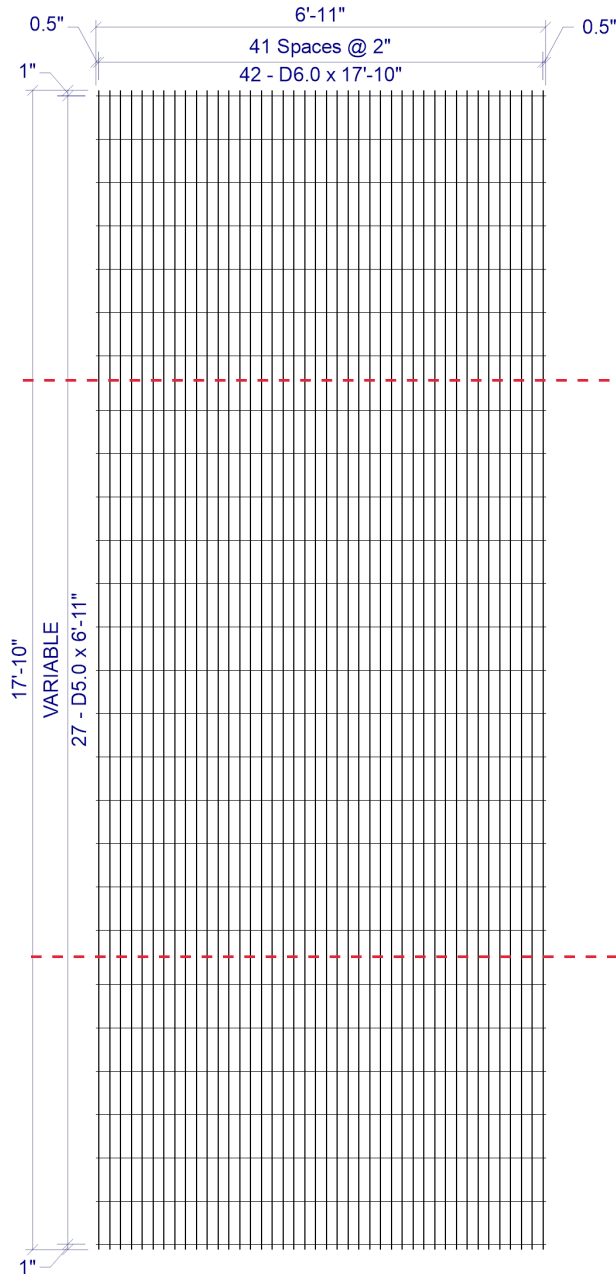
2 x VAR D6.0 / D5.0 (GRADE 75) 82(+0.5, +0.5) x 17'-4" (1, 1)
 VAR = 1" OH, 1@6", 5@8", 1@9", 12@8", 1@9", 5@8", 1@6", 1" OH

APPROVED _____

SHEET DESIGN



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



CUSTOMER American Concrete
 PROJECT F22-4379 - Drawings - 8x8 Van Buren #2 - American - 1-23-2023
 LOCATION Veazie, ME
 DATE 01-23-2023 MARK NUMBER A2/A400 (-02)

L.W.SPAC 2"
 C.W.SPAC VAR
 L.W.1 SIZE D6.0
 L.W.2 SIZE N/A
 C.W.SIZE D5.0
 WIDTH 6'-11"
 LENGTH 17'-10"
 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	42	N/A
SIZE	D6.0	N/A	D5.0
LENGTH	17'-10"	-	6'-11"
W.T./SHEET			
SHEET W.T.	184.60#		
QUANTITY	13		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

SPECIAL REMARKS:
 BEND DIMS: SLAB=108", WALLS=53" (+0.5" GYP)

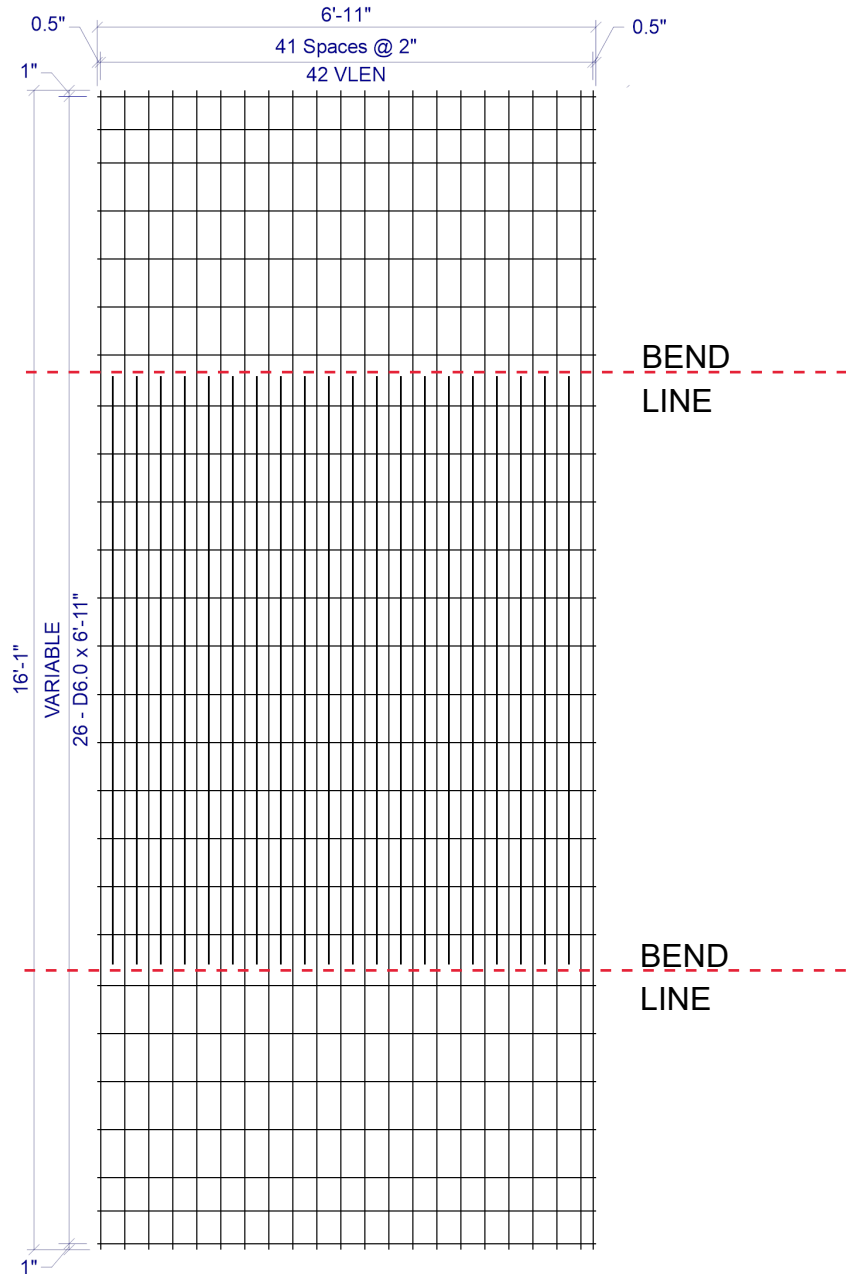
2 x VAR D6.0 / D5.0 (GRADE 75) 82(+0.5, +0.5) x 17'-10" (1, 1)
 VAR = 1" OH, 6@8", 1@10", 12@8", 1@10", 6@8", 1" OH

APPROVED _____

SHEET DESIGN



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



CUSTOMER American Concrete
 PROJECT F22-4379 - Drawings - 8x8 Van Buren #2 - American - 1-23-2023
 LOCATION Veazie, ME
 DATE 01-23-2023 MARK NUMBER B1/A100/A200 (-03)

L.W.SPAC 2"
 C.W.SPAC VAR
 L.W.1 SIZE D8.0
 L.W.2 SIZE D15.0
 C.W.SIZE D6.0
 WIDTH 6'-11"
 LENGTH 16'-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	22	20
SIZE	D8.0	D15.0	D6.0
LENGTH	16'-1"	8'-2"	6'-11"
W.T./SHEET			
SHEET W.T.	216.30#		
QUANTITY	26		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS/CSF			
Ast/LF			
ST.DENSITY			

SPECIAL REMARKS:
 BEND DIMS: SLAB=99", WALLS=47" (+0.5" GYP)

2 x VAR D8.0 / D15.0 / D6.0 (GRADE 75) 82"(+0.5", +0.5") x VLEN(1", 1")
 VLEN = ALTERNATING LENGTH 8'-2" & 16'-1" WITH 16'-1" @ LHS & RHS
 VAR = 1" OH, 2@5.5", 4@8", 1@8.5", 11@8", 1@8.5", 4@8", 2@5.5", 1" OH

APPROVED _____