



American Concrete Industries

1717 STILLWATER AVE. VEAZIE, ME. 04401

TEL: 207-947-8334

FAX: 207-947-3580

WWW.AMERICANCONCRETE.COM

ITEM	QTY	BILL OF MATERIALS
1	(1)	6'-8" UPSTREAM END TOP (45,240 #)
2	(1)	6'-8" UPSTREAM END BOT. (45,400 #)
3	(28)	6'-8" MID SECTION TOP (44,875 # EA.)
4	(28)	6'-8" MID SECTION BOT. (44,915 # EA.)
5	(1)	6'-8" DOWNSTREAM END TOP (43,905 #)
6	(1)	6'-8" DOWNSTREAM END TOP (44,065 #)
7	(2)	1' x 2' x 23'-0" TOEWALL (6,800 # EA.)
	(38)	#8 X 26" TOEWALL PIN (19 EA. END)



REVIEWED  
March 20th, 2020

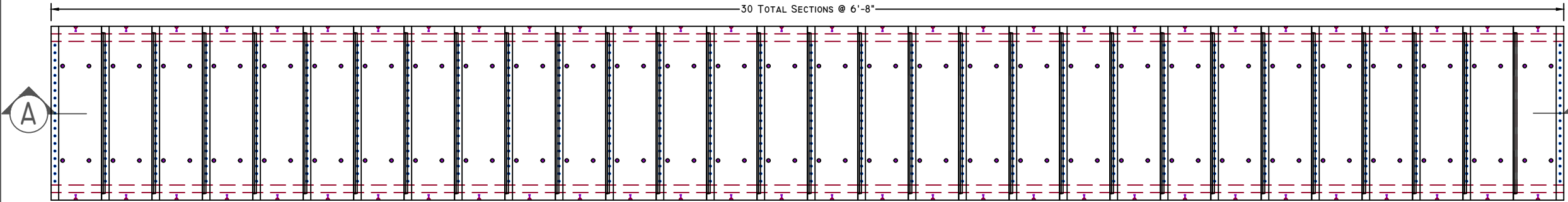
THIS DOCUMENT HAS BEEN REVIEWED IN ACCORDANCE  
WITH STATE OF MAINE STANDARD SPECIFICATIONS  
SECTION 105.7 - WORKING DRAWINGS

Reviewed By: *[Signature]*  
Taylor Clark

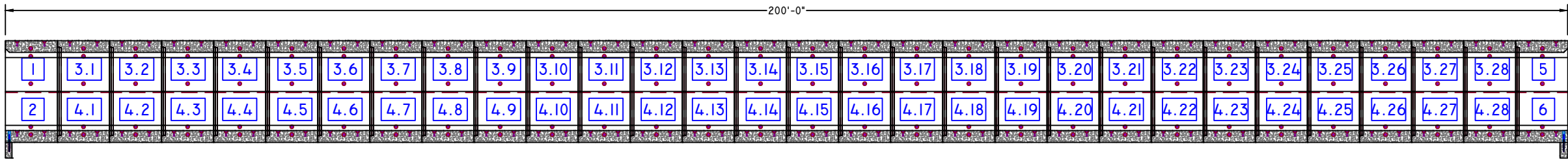
- DESIGN NOTES:
- Concrete
    - 1.1. COMP. STRENGTH MIN. 5,000PSI @ 28 DAYS
    - 1.2. AIR-ENTRAINMENT: 5.5% MIN - 7.5% MAX
  - Structural Reinforcement:
    - 2.1. BAR PER ASTM A615, GRADE 60
    - 2.2. WWR PER ASTM A106, GRADE 75
    - 2.3. INTEGRATE REBAR WITH LIFTING INSERT(S)
    - 2.4. INTERRUPTED BAR AREAS WILL BE REPLACED EACH SIDE WITH HALF THE AFFECTED AREA
    - 2.5. DESIGNED FOR HL-93 WHEEL LOAD RATING (+25% LL)
  - Manufacturing / Installation:
    - 3.1. JOINTS SEALED WITH BUTYL RUBBER SEALANT
    - 3.2. CONFORMS STRICTLY TO AASHTO & MDOT
    - 3.3. ALL METAL INSERTS SHALL BE RECESSED A MINIMUM OF ONE INCH FROM SURFACE AREA AND PATCHED AFTER USE.
    - 3.4. APPROXIMATE FILL DEPTH: 18.0'

Note: Some details not shown for clarity  
SCALE: 1/16" = 1'-0" Unless otherwise noted

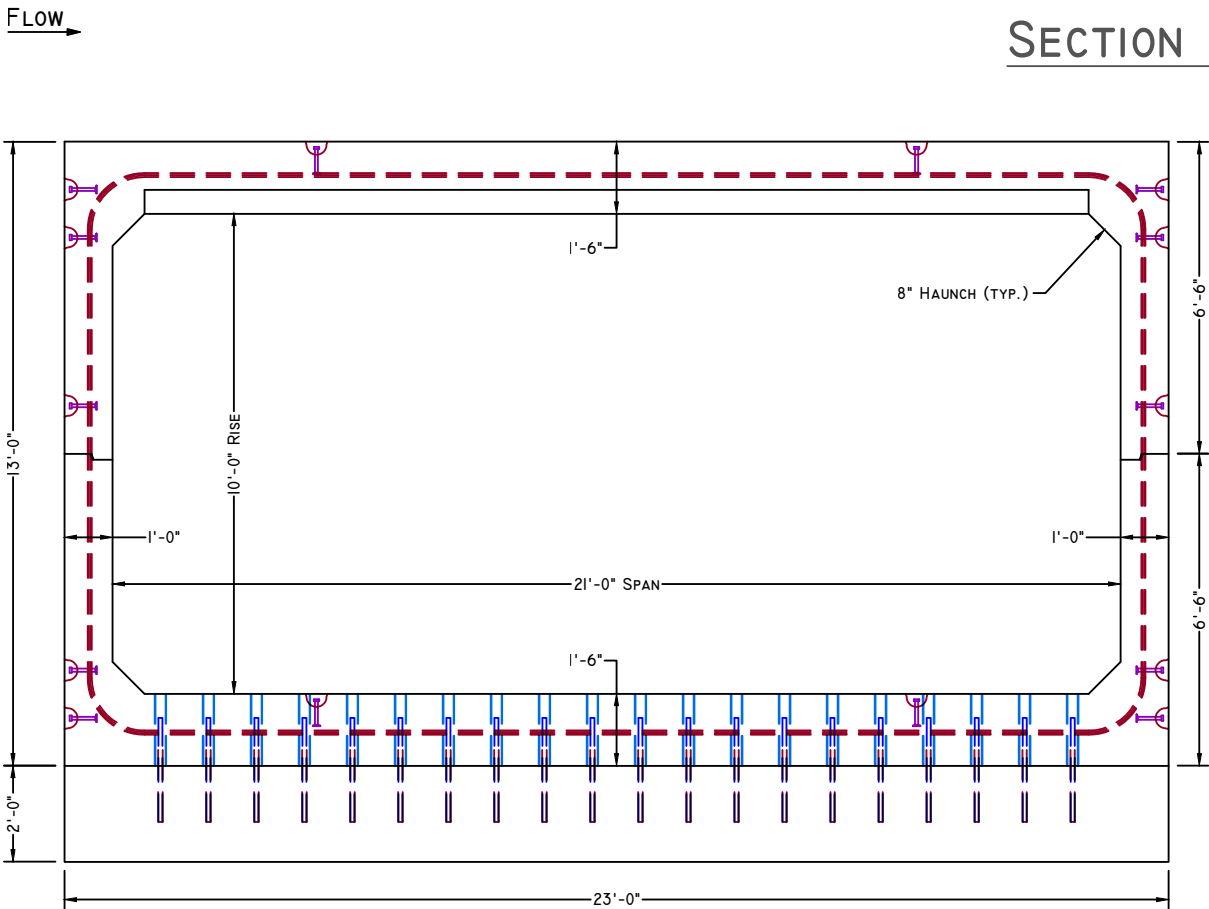
STRUCTURE NAME: 10' X 21' X 200' CLAMSHELL CULVERT		
JOB NAME: STOWER BROOK BRIDGE (#5928)		
LOCATION: STOCKTON SPRINGS, ME. (WIN: 021831.00)		
CONTRACTOR: MDOT		
DRAWN BY: AAG	DATE: 01/23/2020	CI.0
REV.#: 0.05	DATE: 03/19/2020	



PLAN VIEW

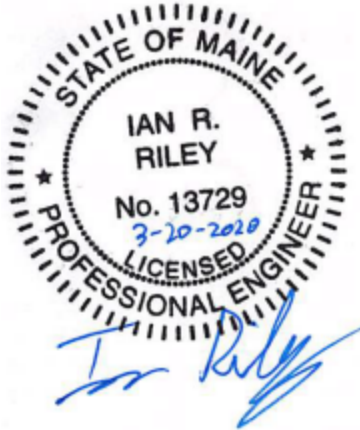


SECTION 'A-A' VIEW



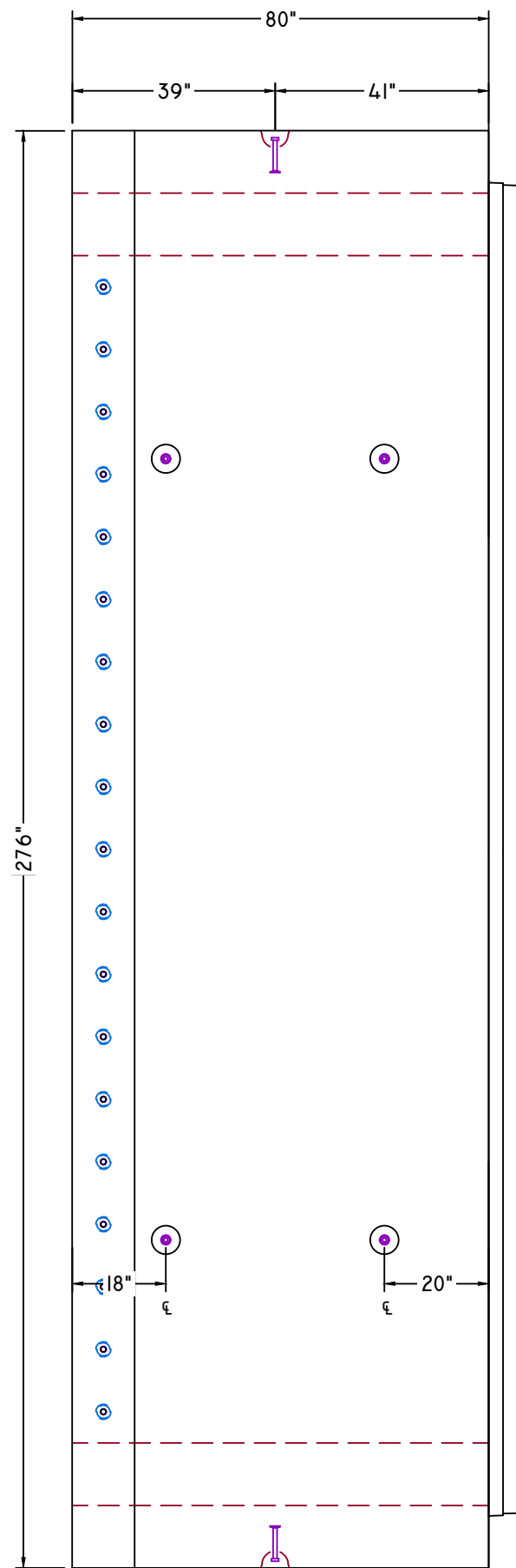
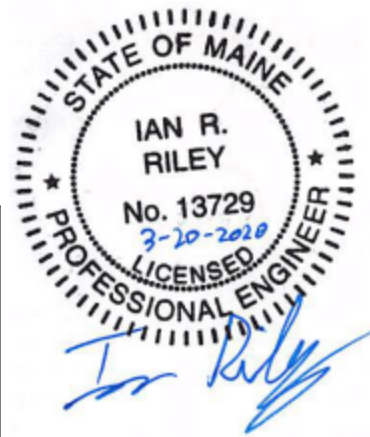
END VIEW

1/4" = 1'-0"



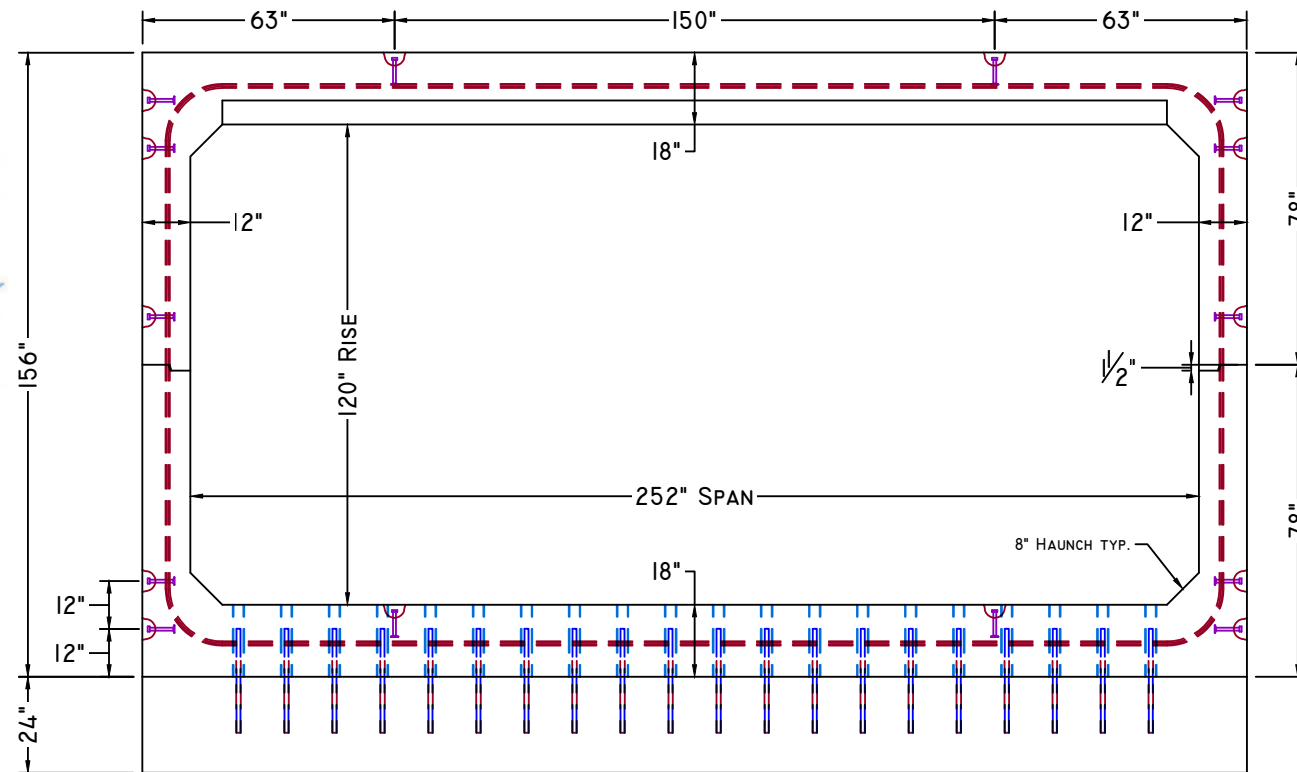
CONCEPTUAL VIEW

SCALE: NTS

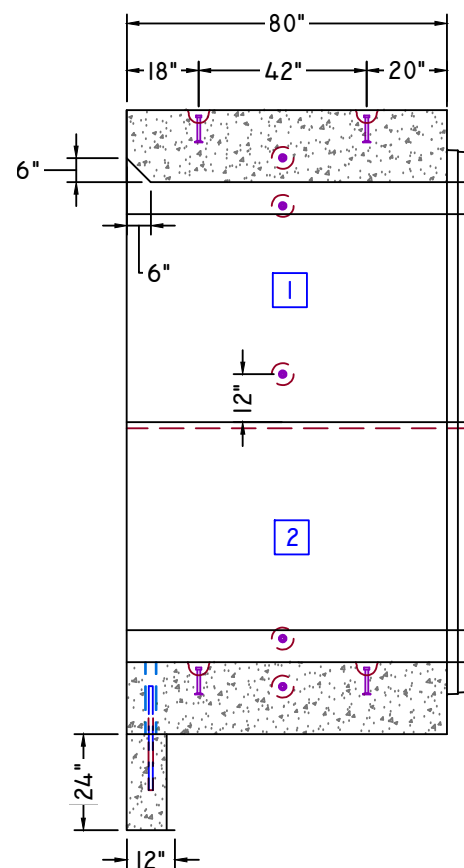


PLAN VIEW

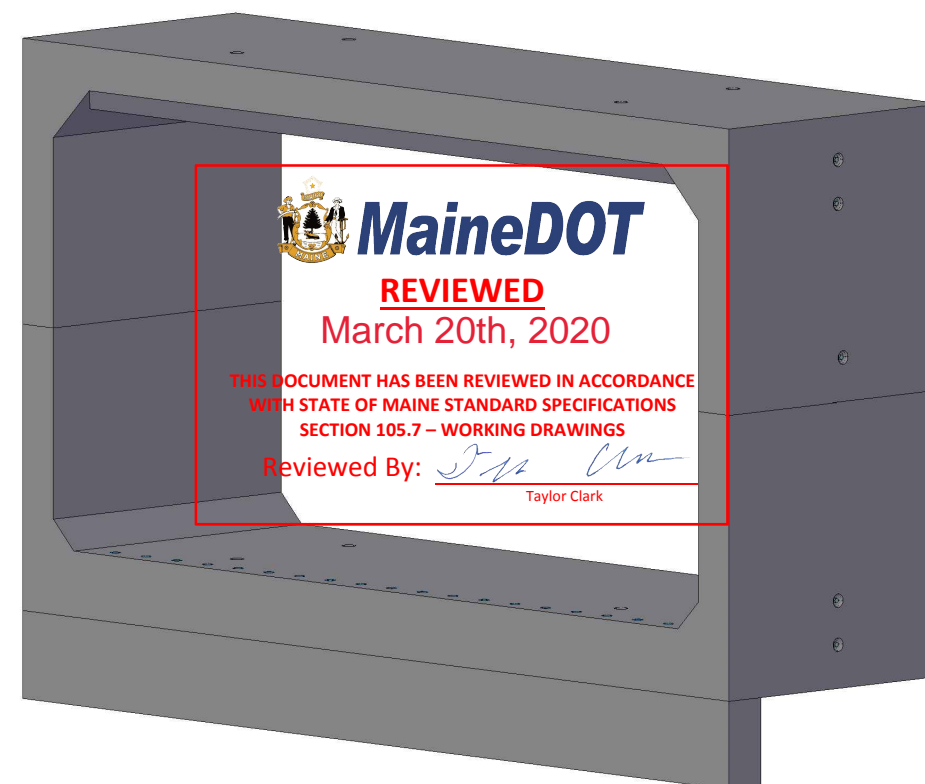
3/8" = 1'-0"



END VIEW



SECTION 'A' VIEW



CONCEPTUAL VIEW - NTS



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STRUCTURE NAME:  
10' x 21' x 200' CLAMSHELL CULVERT

JOB NAME:  
STOWER BROOK BRIDGE (#5928)

LOCATION:  
STOCKTON SPRINGS, ME. (WIN: 021831.00)

CONTRACTOR:  
MDOT

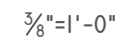
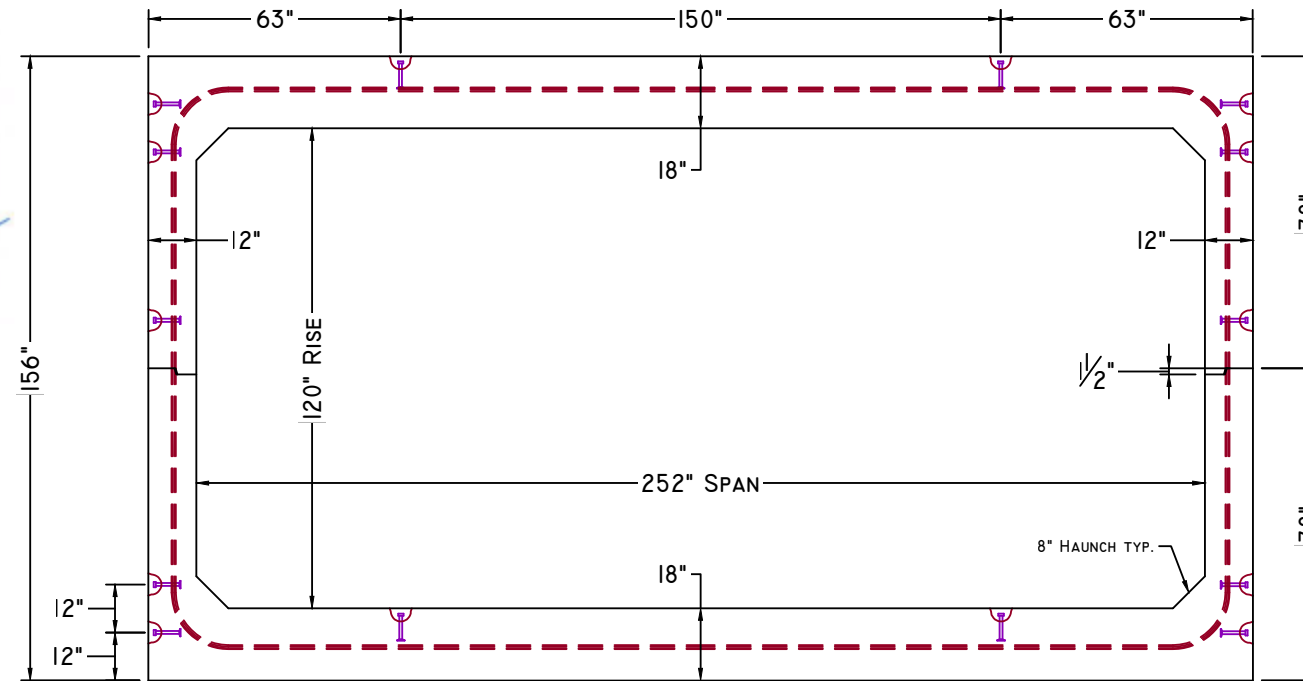
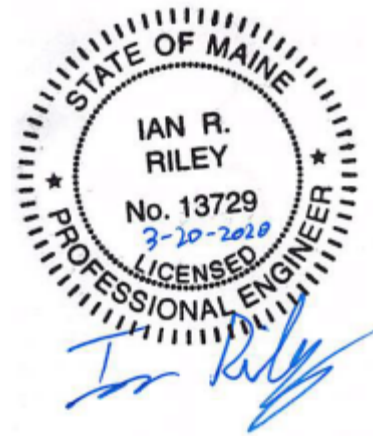
DRAWN BY:  
AAG

DATE:  
01/23/2020

REV.#:  
0.05

DATE:  
03/19/2020

CI.1



## CONCEPTUAL VIEW - NTS

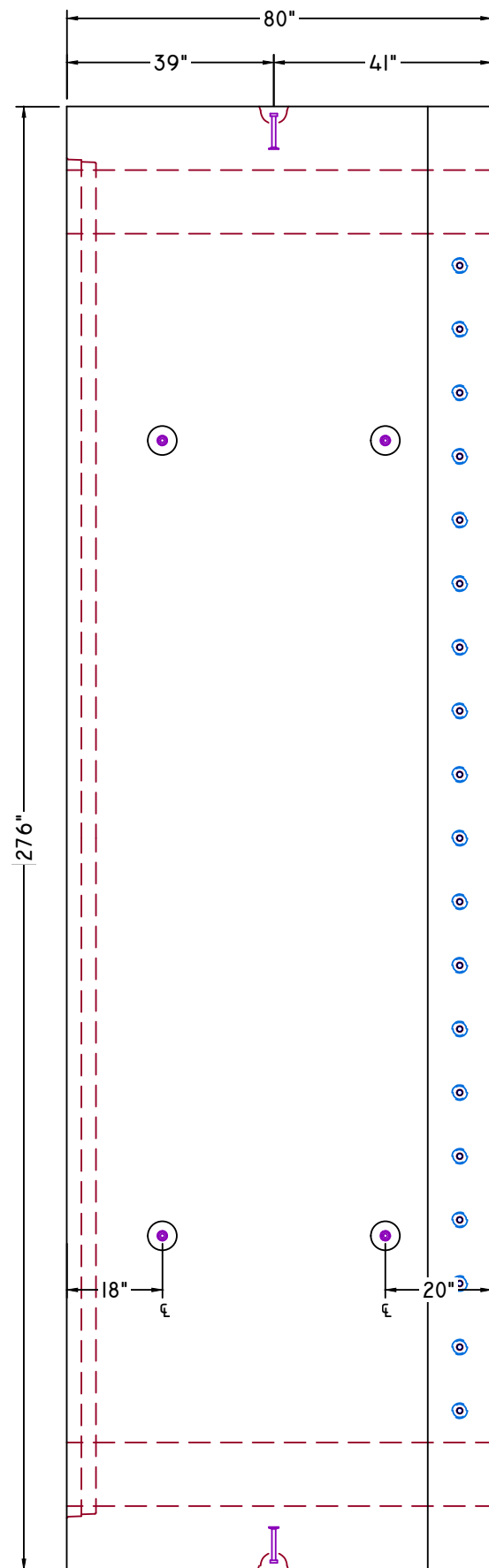
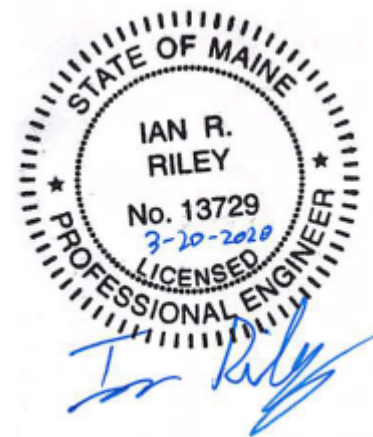


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DESIGN NOTES:

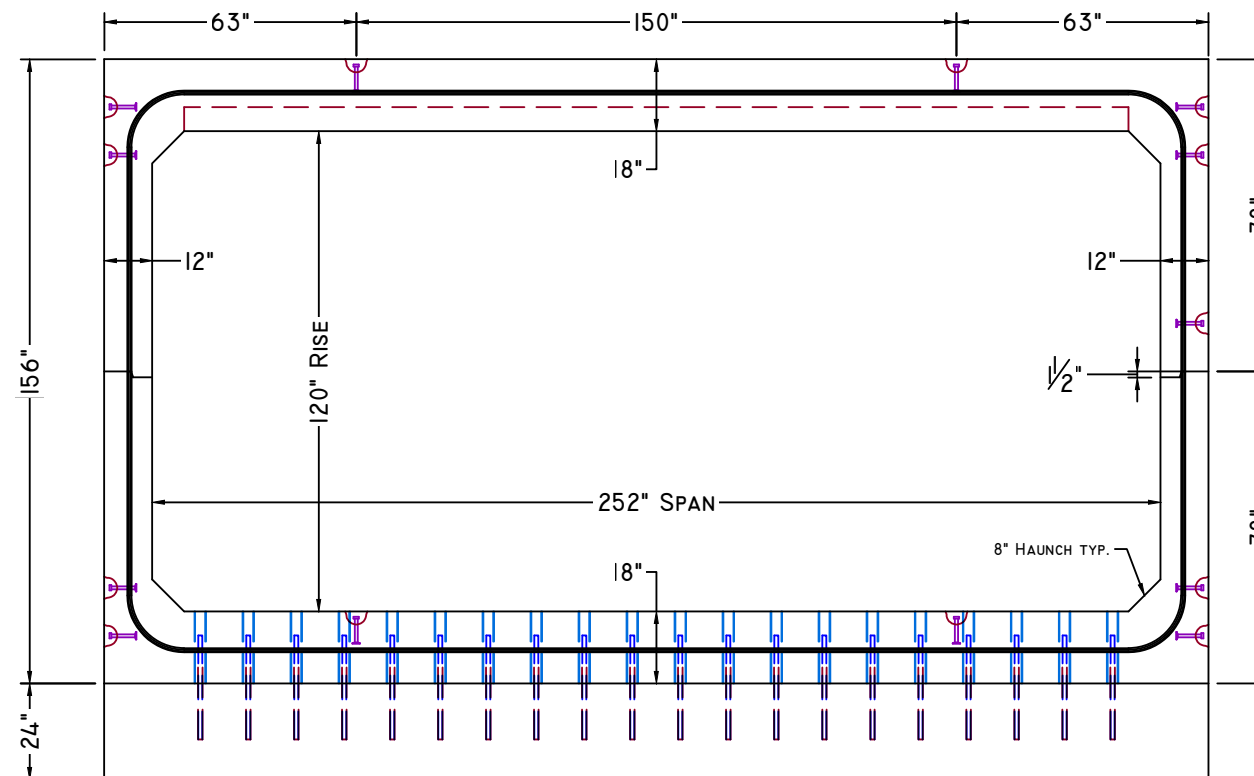
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## CI.2

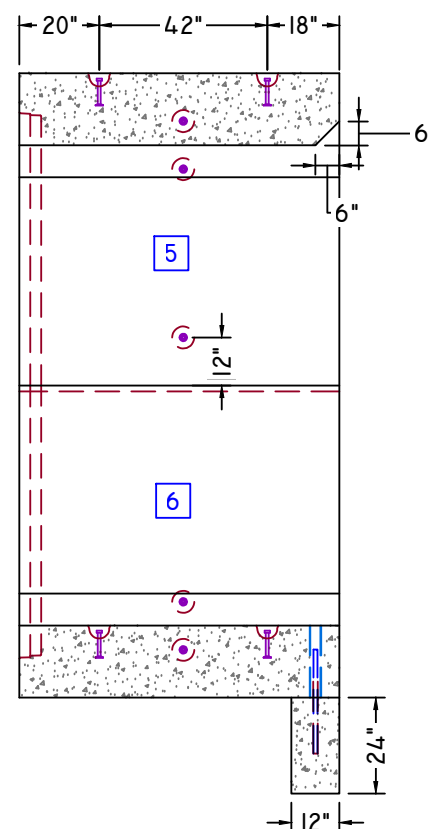


PLAN VIEW

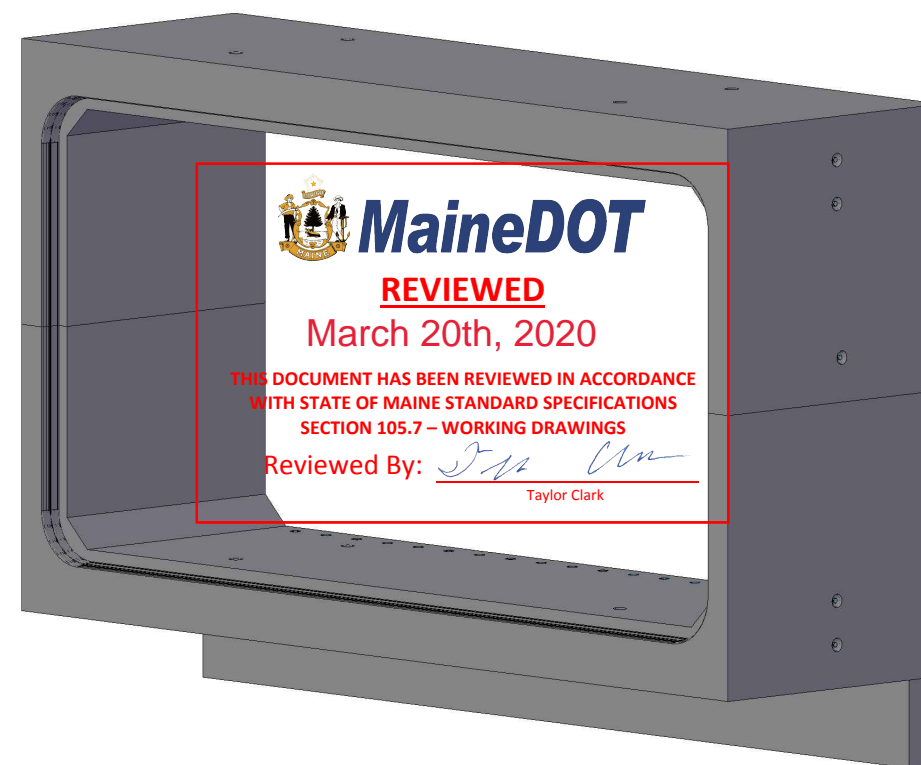
$\frac{3}{8}'' = 1' - 0''$



END VIEW



SECTION 'A' VIEW



CONCEPTUAL VIEW - NTS



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Note: Some details not shown for clarity  
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JOB NAME: STOWER BROOK BRIDGE (#5928)		
LOCATION: STOCKTON SPRINGS, ME. (WIN: 021831.00)		
CONTRACTOR: MDOT		
DRAWN BY: AAG	DATE: 01/23/2020	CI.3
REV.#: 0.05	DATE: 03/19/2020	





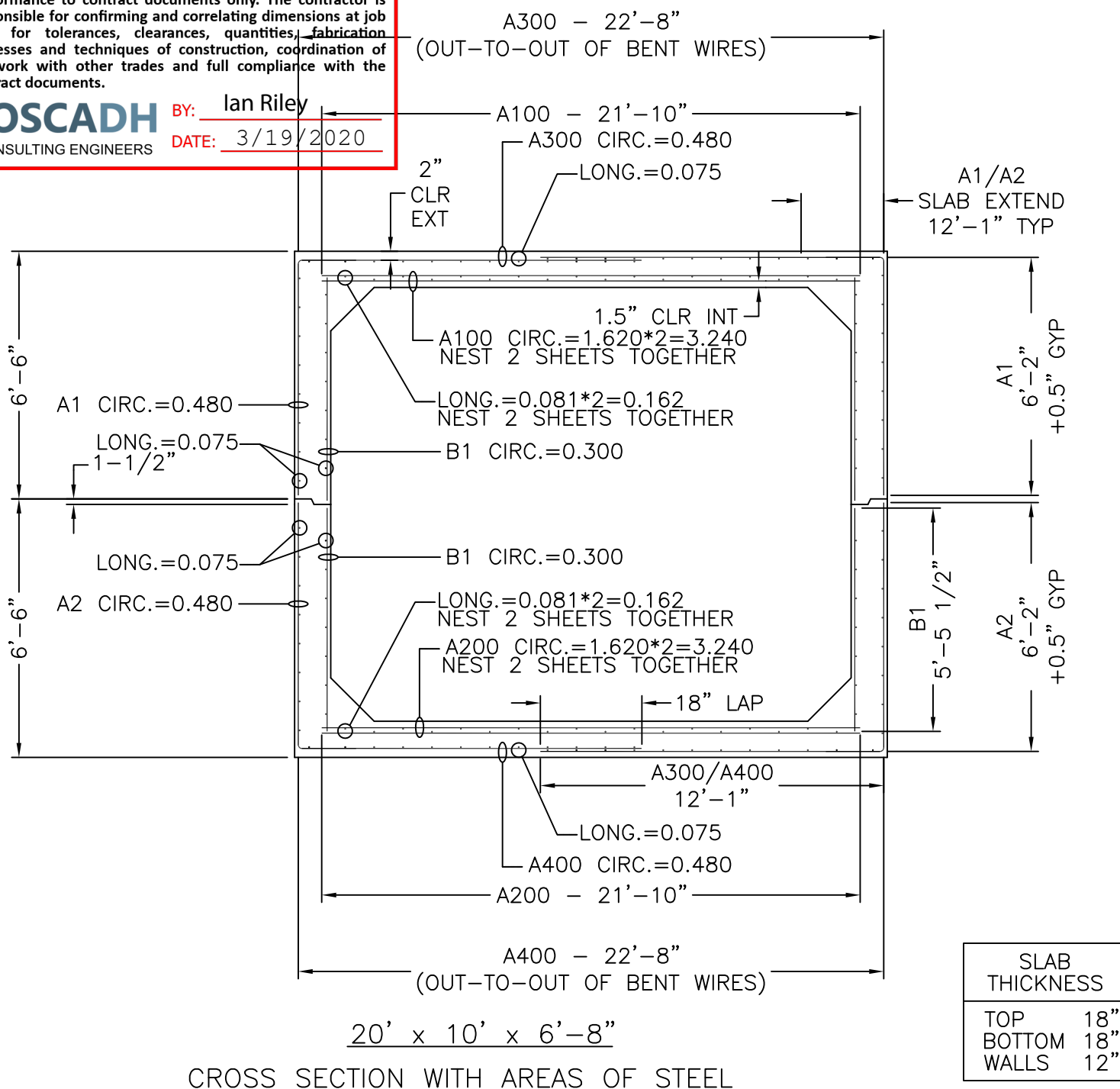


DRAWN BY: AAG	DATE: 01/23/2020	DI. I
REV.#: 0.05	DATE: 03/19/2020	

**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 RileyDATE: 3/19/2020

SLAB THICKNESS	
TOP	18"
BOTTOM	18"
WALLS	12"

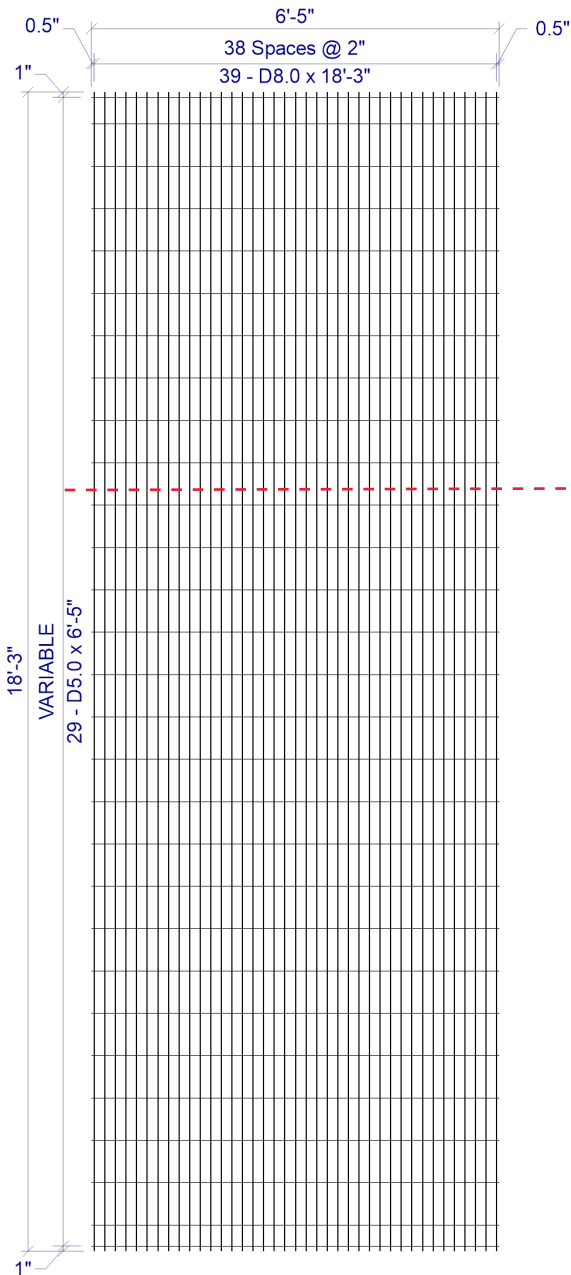
MECHANICAL DIMENSIONS	
DIM. 'L'	= N/A
DIM. 'M'	= N/A
DIM. 'R'	= N/A
DIM. 'S'	= N/A

CAGE WEIGHT PER 6'-8" JOINT = 4521.2 lbs

BOX SIZE:	ASTM:	TABLE:	FILL:
21' X 10' X 6'-8"	HL-93	125%	1'

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

CUSTOMER:	DRAWN BY:	REVISION:	SHEET DESCRIPTION:	
AMERICAN CONCRETE	BWA	R2	COVER	
PROJECT:	DATE:	REVISION DATE:	FILE NAME:	
21' X 10' X 6'-8"	2/26/2020	3/19/2020	94817	
STOCKTON	CHECKED BY:	SCALE:	PROJECT #:	SHEET #:
	BWA	NTS	94817	1 OF 4



2 x VAR D8.0 / D5.0 (GRADE 75) 76(+0.5, +0.5) x 18'-3"(1, 1)  
 VAR = 1" OH, 1@5", 26@8", 1@4", 1" OH

# SHEET DESIGN



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

CUSTOMER American Concrete

PROJECT 94817 - Drawings - 21x10 Stockton - American Concrete - 2-26-2020

LOCATION Veazie, ME

DATE 02-26-2020 MARK NUMBER A1/A2/A300/A400(-01)

L.W.SPACE 2

C.W.SPACE VAR

L.W.1 SIZE D8.0

L.W.2 SIZE N/A

C.W.SIZE D5.0

WIDTH 6'-5"

LENGTH 18'-3"

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	39	N/A	29
SIZE	D8.0	N/A	D5.0
LENGTH	18'-3"	-	6'-5"
W.T./SHEET			
SHEET W.T.	225.23#		
QUANTITY	120		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS./CSF			
Ast/LF			
ST.DENSITY			

SPECIAL REMARKS:  
 BEND DIMS: WALL=74", SLAB=145"

APPROVED \_\_\_\_\_



# SHEET DESIGN



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

CUSTOMER American Concrete

PROJECT 94817 - Drawings - 21x10 Stockton - American Concrete - 2-26-2020

LOCATION Veazie, ME

DATE 02-26-2020 MARK NUMBER B1 (-02)

L.W.SPACE 2

C.W.SPACE VAR

L.W.1 SIZE D5.0

L.W.2 SIZE N/A

C.W.SIZE D5.0

WIDTH 6'-5"

LENGTH 5'-5.5"

OH.LEFT 0.5"

OH.RIGHT 0.5"

OH.TOP 1"

OH.BOTTOM 6.5"

YIELD 75,000psi

BENT -

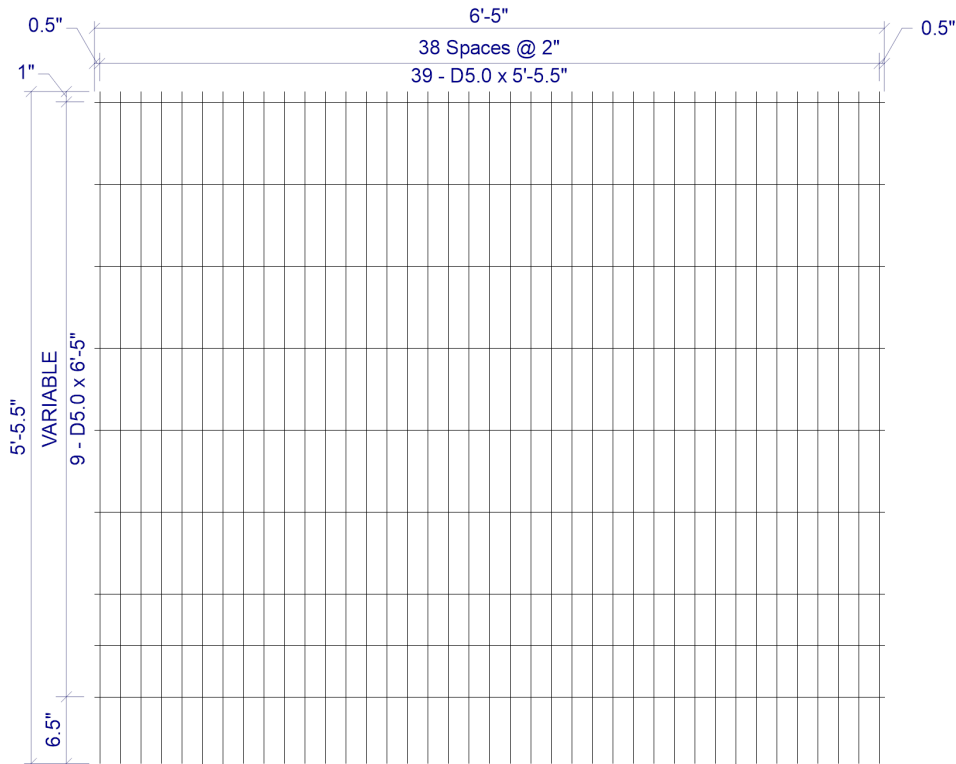
CUT -

ROLL -

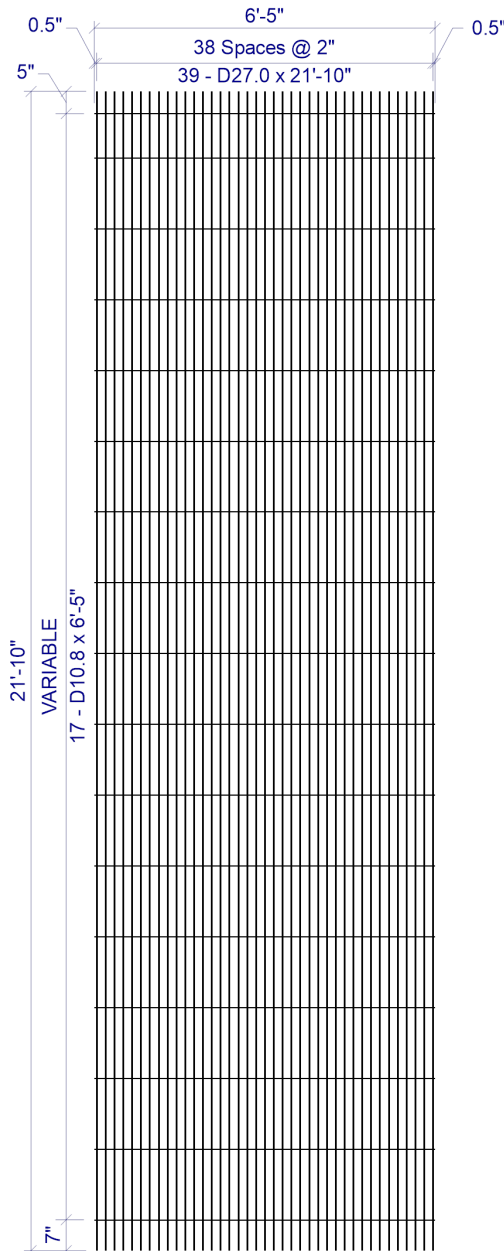
W I R E S	LINE WIRE 1	LINE WIRE 2	CROSS WIRE
NO. PER SHEET	39	N/A	9
SIZE	D5.0	N/A	D5.0
LENGTH	5'-5.5"	-	6'-5"
W.T./SHEET			
SHEET W.T.	46.01#		
QUANTITY	120		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS./CSF			
Ast/LF			
ST.DENSITY			

SPECIAL REMARKS:

APPROVED \_\_\_\_\_



**2 x VAR D5.0 / D5.0 (GRADE 75) 76(+0.5, +0.5) x 5'-5.5"(1, 6.5)**  
VAR = 1" OH, 6@8", 2@5", 6.5" OH



2 x VAR D27.0 / D10.8 (GRADE 75) 76(+0.5, +0.5) x 21'-10"(5, 7)  
VAR = 5" OH, 1@10", 15@16", 7" OH

# SHEET DESIGN



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

CUSTOMER American Concrete

PROJECT 94817 - Drawings - 21x10 Stockton - American Concrete - 2-26-2020

LOCATION Veazie, ME

DATE 03-04-2020 MARK NUMBER A100/A200 (-03)

L.W.SPACE 2

C.W.SPACE VAR

L.W.1 SIZE D27.0

L.W.2 SIZE N/A

C.W.SIZE D10.8

WIDTH 6'-5"

LENGTH 21'-10"

OH.LEFT 0.5"

OH.RIGHT 0.5"

OH.TOP 5"

OH.BOTTOM 7"

YIELD 75,000psi

BENT -

CUT -

ROLL -

W I R E S	LINE WIRE 1	LINE WIRE 2	CROSS WIRE
NO. PER SHEET	39	N/A	17
SIZE	D27.0	N/A	D10.8
LENGTH	21'-10"	-	6'-5"
W.T./SHEET			
SHEET W.T.	858.90#		
QUANTITY	120		
SUB TOTAL WEIGHT			
TOTAL WEIGHT			
S.F./SHEET			
LBS./CSF			
Ast/LF			
ST.DENSITY			

SPECIAL REMARKS:  
FLIP AND NEST 2X SHEETS TOGETHER FOR 8" CROSSWIRE SPACING  
A100/A200 = (1.620 \* 2) = 3.240  
C100/C200 = (0.801 \* 2) = 0.162  
(4x) SHEETS TOTAL PER BOX.

APPROVED \_\_\_\_\_