

Job Name: 24-3870 314 E Trinity
 Job Location: Nashville, TN
 Contractor: Hayes Pipe Supply

Plant: Beaver Dam

Tech: C.Russ

10/10/2025 11:18:32 AM

PC: E.Bradley



Structure ID: SCI A1

P1 BX3098_06BVF

BOX BASE 6inW, 6inF, Variable Ht

- P3) 28" x 28" - CASTING HEIGHT - 6"
- P2) 30" x 98" - BX FLAT LID 6inW w/28"x28" HOLE - 8"
- P1) 30" x 98" - BOX BASE 6inW, 6inF, Variable Ht - 28"
- 1) 28" x 28" - Conseal CS-102 1.00"
- 1) Hole - 26
- 1) Hole - 22

- Structure Notes:
1. PER ASTM C913 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. NO INVERT CHANNEL.
 4. CASTING BY OTHERS
 5. REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
 - WALLS (As .12) #5 BARS AT 12" C.C.E.W.
 - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.
 6. TOP SLAB TO HAVE 3/4" DEEP DROP KEY.

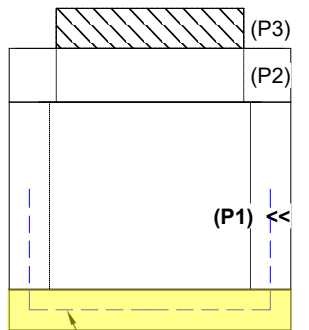
Structure Total: 8390 lb

FIRST POUR DRAWING

Rim: 533.14' Rim to Invert: 3.54' Slack: 0.48" Sump: 0" Step Position:

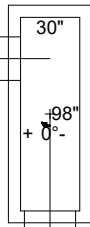
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	529.6'	0°	21"	18" RCP B WALL	23"	Hole 26	26"	26"	-2.5"	0"
Invert 2	529.8'	90°	83"	15" RCP B WALL	19.5"	Hole 22	22"	22"	0.15"	28"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)



18" X 18" #5 BAR
 @ 12" ON CENTER
 TIED INTO THE MAT

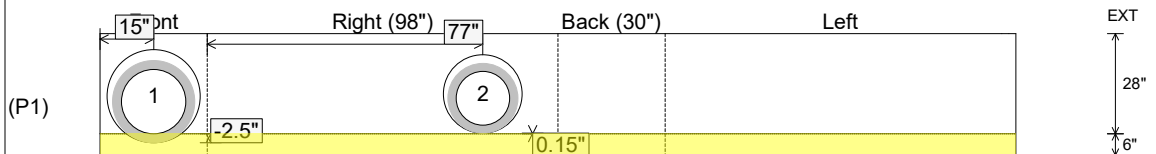
Invert: 2
 Degree: 90°
 Horz: 77"
 Hole: 22"
 Up(): 0.15"



Invert: 1
 Degree: 0°
 Horz: 15"
 Hole: 26"
 Up(): -2.5"

FIRST POUR - 2,326 LBS.
SECOND POUR - 2,859 LBS.
TOTAL - 5,185 LBS.

INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: n/a

Wall Thickness: 6"
 Floor Height: 6"

Height (Int): 28"
 Height (Ext): 34"

Weight (Net): 5815 lb
 Volume (Net): 1.48cu.yd

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 - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.
 6. TOP SLAB TO HAVE 3/4" DEEP DROP KEY.

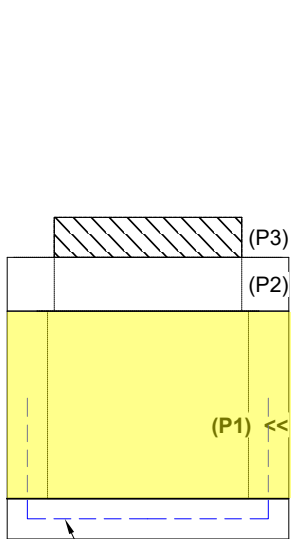
Structure Total: 8390 lb

SECOND POUR DRAWING

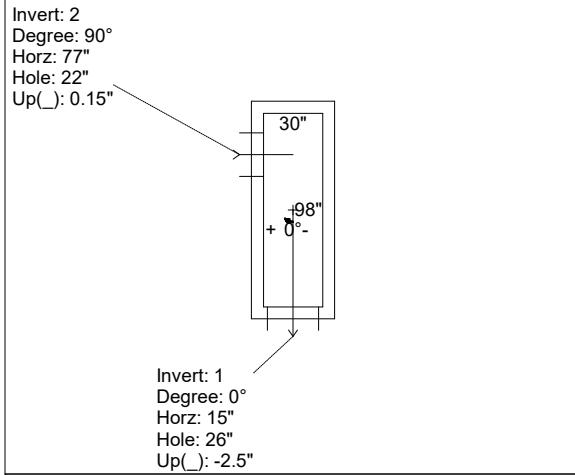
Rim: 533.14' Rim to Invert: 3.54' Slack: 0.48' Sump: 0' Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	529.6'	0°	21"	18" RCP B WALL	23"	Hole 26	26"	26"	-2.5"	0"
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Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

RIGHT-SIDE UP VIEW (int. dimensions)

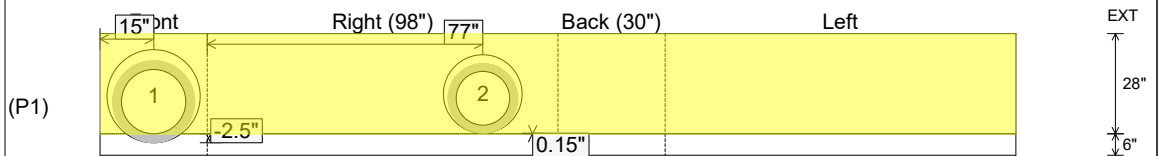


18" X 18" #5 BAR
 @ 12" ON CENTER
 TIED INTO THE MAT

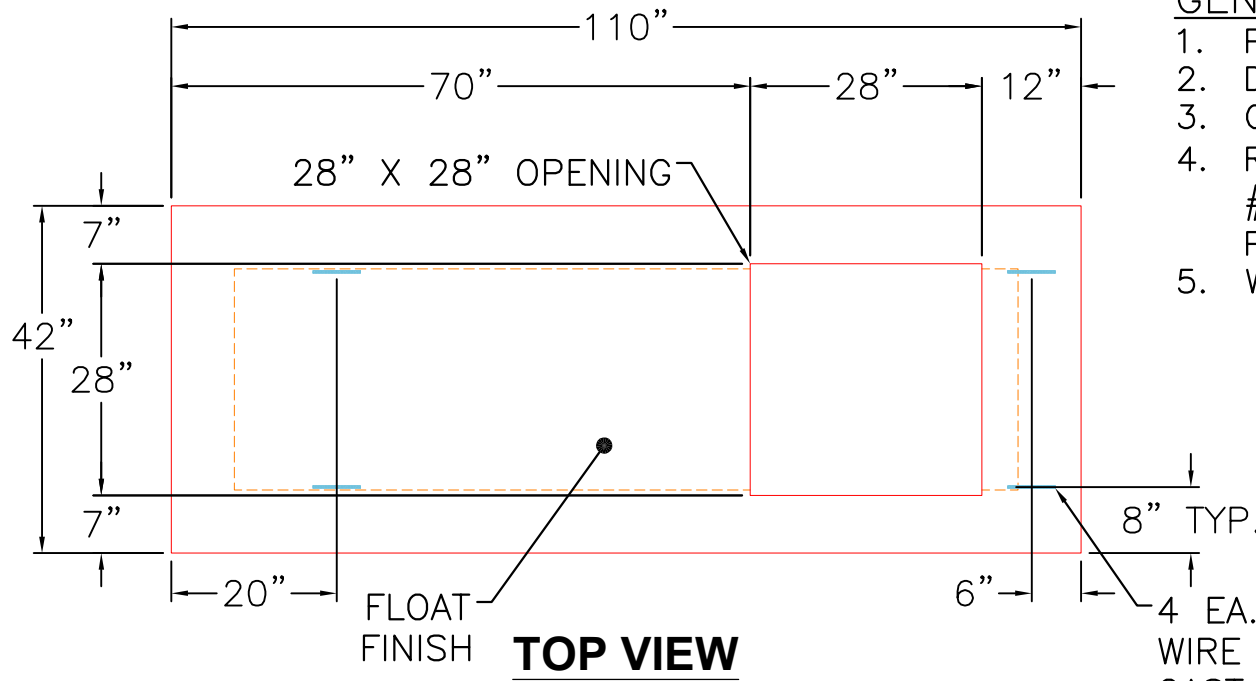


FIRST POUR - 2,326 LBS.
SECOND POUR - 2,859 LBS
TOTAL - 5,185 LBS.

INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 6" Floor Height: 6"	Height (Int): 28" Height (Ext): 34"	Weight (Net): 5815 lb Volume (Net): 1.48cu.yd
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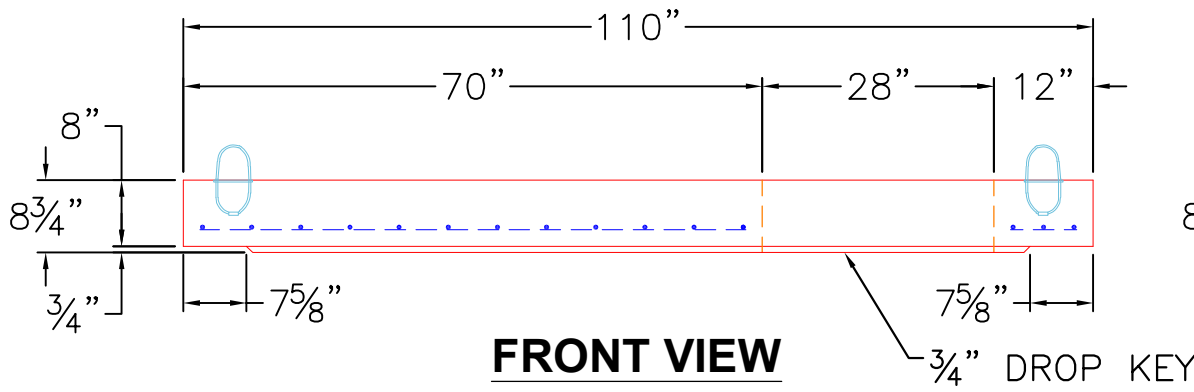


GENERAL NOTES:

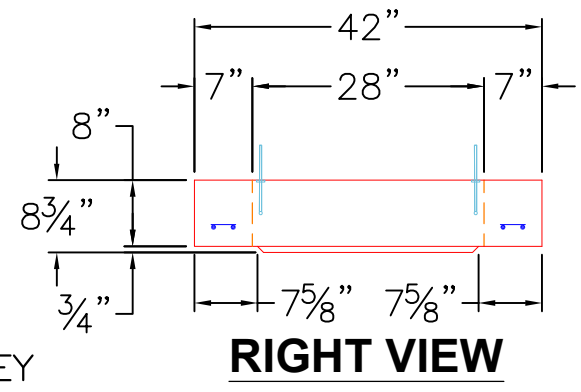
1. PER ASTM C913 SPECIFICATIONS
2. DESIGN LOADING – AASHTO HS-20.
3. CONCRETE: 5,000 PSI AT 28 DAYS.
4. REINFORCING: (AS .62)
#5 BAR @ 6" C-C E.W.
PER ASTM A615 (GRADE 60)
5. WEIGHT: 2,575 LBS.

8" TYP.
6"
4 EA. CONAC WRA016
WIRE ROPE ANCHORS
CAST IN AS SHOWN.

TOP VIEW




FRONT VIEW



RIGHT VIEW

3/4" DROP KEY

PRODUCTION WORK ORDER		PRODUCT I.D.: CTS	DESCRIPTION: 42" X 110" X 8" THICK TOP SLAB W/ 3/4" DROP KEY	
	QUALITY CONTROL CHECKLIST	PRODUCT VIEW: RIGHT SIDE UP	CUSTOMER: HAYES PIPE SUPPLY	
	<input type="checkbox"/> ALL DIMENSIONS CORRECT.	PLANT: BEAVER DAM, KY.	PROJECT: 314 E TRINITY	
	<input type="checkbox"/> LIFTERS INSTALLED.	WEIGHT: 2,575 LBS.	STRUCTURE: SCI A1	
	<input type="checkbox"/> OPENING CORRECT LOCATION.	TOP SECTION JOINT: N/A	ORDER NO: 24-3870	
	<input type="checkbox"/> REINFORCING CORRECT.	BASE SECTION JOINT: 3/4" DROP KEY	PC: E. BRADLEY	DRAWING: J. COPPAGE
<input type="checkbox"/> SURFACE QUALITY ACCEPTABLE.	QC CHECK INITIALS:	DATE: 10/10/25	SCALE: NTS	PG. 1 of 1
<input type="checkbox"/> EDGES CHAMFERED.				
<input type="checkbox"/> ALL PATCHWORK ACCEPTABLE.				

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Plant: Beaver Dam

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Structure ID: SCI A2

P1 BX3098_06BVF

BOX BASE 6inW, 6inF, Variable Ht

- P3) 28" x 28" - CASTING HEIGHT - 6"
- P2) 30" x 98" - BX FLAT LID 6inW w/28"x28" HOLE - 8"
- P1) 30" x 98" - BOX BASE 6inW, 6inF, Variable Ht - 41"
- 1) 28" x 28" - Conseal CS-102 1.00"
- 2) Hole - 22"

- Structure Notes:
1. PER ASTM C913 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. NO INVERT CHANNEL.
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 - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.
 6. TOP SLAB TO HAVE 3/4" DEEP DROP KEY.

Structure Total: 10298 lb

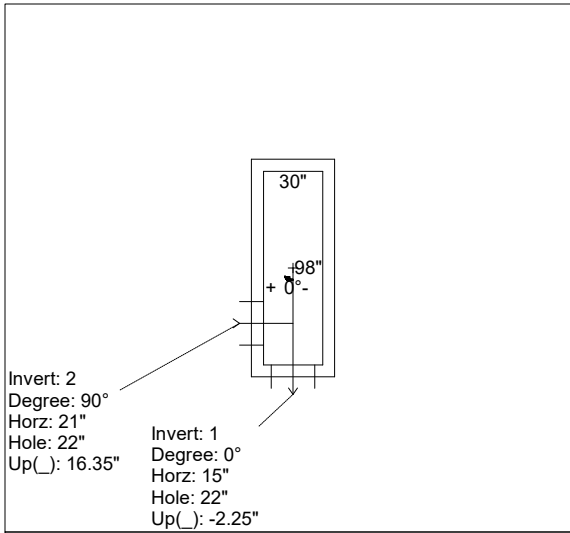
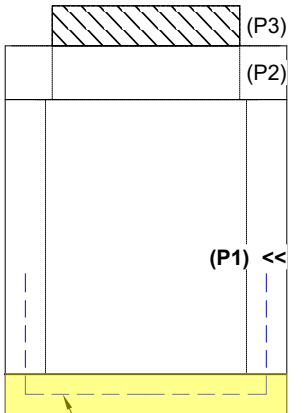
FIRST POUR DRAWING

Rim: 535.75' Rim to Invert: 4.65' Slack: 0.8" Sump: 0" Step Position:

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	531.1'	0°	21"	15" RCP B WALL	19.5"	Hole 22	22"	22"	-2.25"	0"
Invert 2	532.65'	90°	27"	15" RCP B WALL	19.5"	Hole 22	22"	22"	16.35"	-28"
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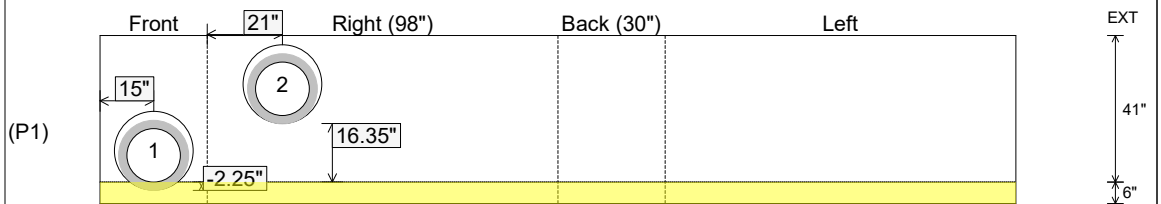
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



FIRST POUR - 2,326 LBS.
SECOND POUR - 5,397 LBS
TOTAL - 7,723 LBS.

INSIDE WALL DIMENSIONS



Coating (Int):
 Coating (Ext):

Seam Up: Flat
 Seam Dn: n/a

Wall Thickness: 6"
 Floor Height: 6"

Height (Int): 41"
 Height (Ext): 47"

Weight (Net): 7723 lb
 Volume (Net): 1.97cu.yd

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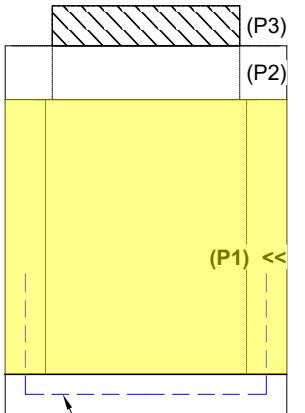
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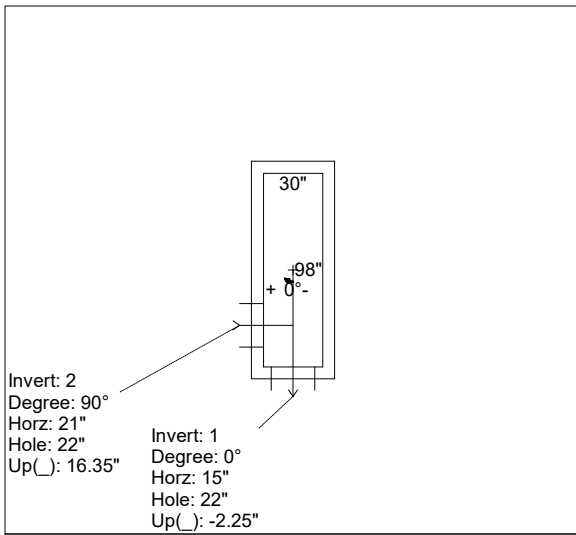
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RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)

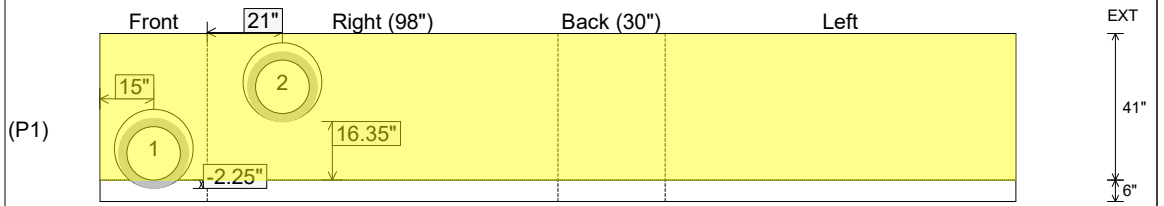


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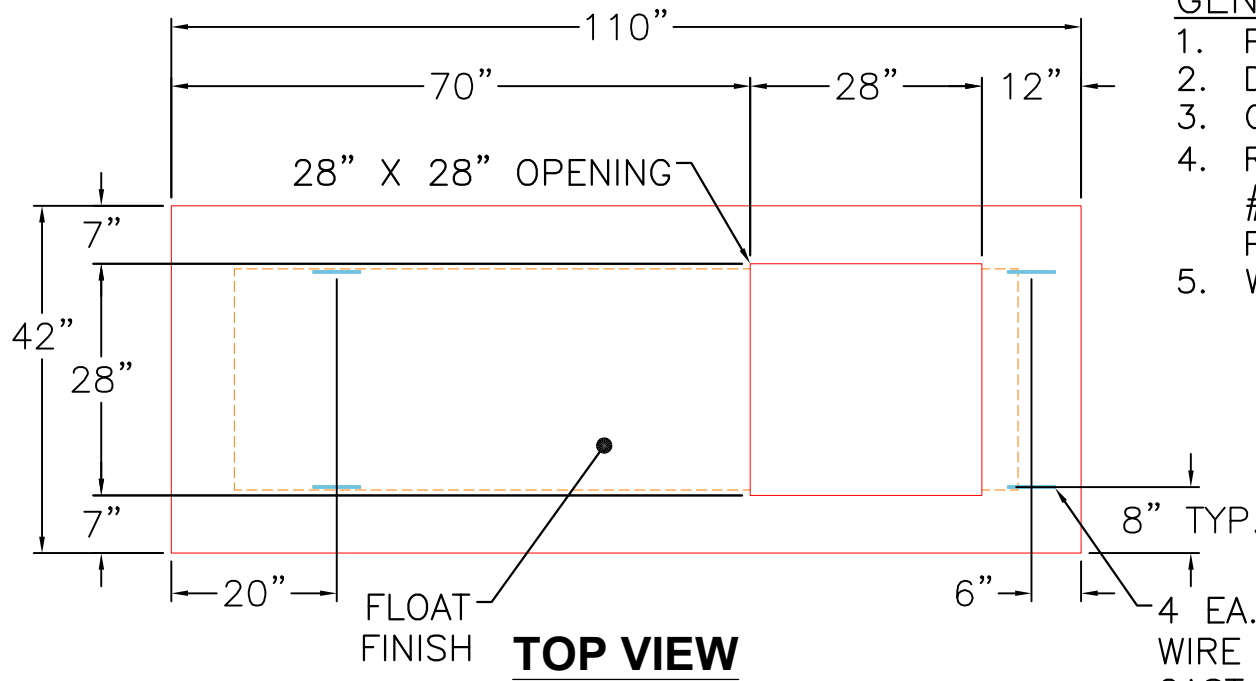
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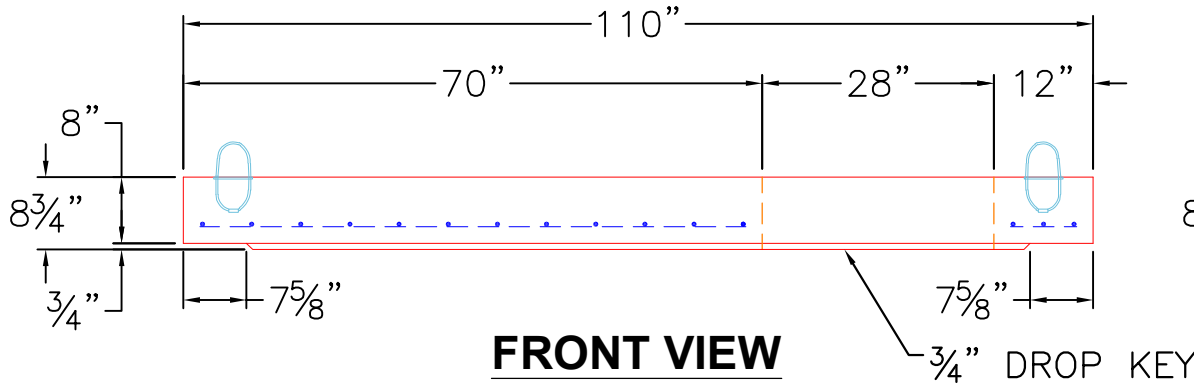


TOP VIEW

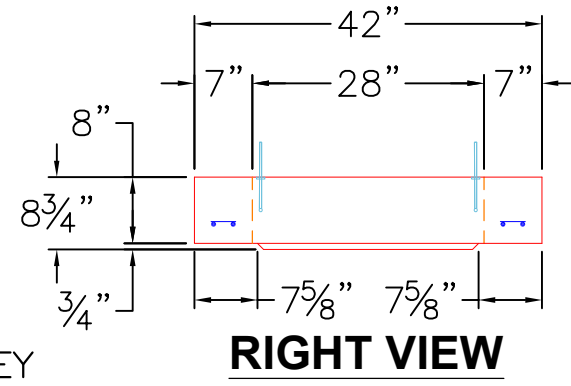
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RIGHT VIEW

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<input type="checkbox"/> ALL PATCHWORK ACCEPTABLE.				